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ORIGINAL ARTICLE

Gut microbiota disturbance during antibiotic therapy: a multi-omic approach

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ABSTRACT

Objective Antibiotic (AB) usage strongly affects microbial intestinal metabolism and thereby impacts human health. Understanding this process and the underlying mechanisms remains a major research goal. Accordingly, we conducted the first comparative omic investigation of gut microbial communities in faecal samples taken at multiple time points from an individual subjected to β-lactam therapy.

Methods The total (16S rDNA) and active (16S rRNA) microbiota, metagenome, metatranscriptome (mRNAs), metametabolome (high-performance liquid chromatography coupled to electrospray ionisation and quadrupole time-of-flight mass spectrometry) and metaproteome (ultra high performing liquid chromatography coupled to an Orbitrap MS^2 instrument [UPLC-LTQ Orbitrap-MS/MS]) of a patient undergoing AB therapy for 14 days were evaluated.

Results Apparently oscillatory population dynamics were observed, with an early reduction in Gram-negative organisms (day 6) and an overall collapse in diversity and possible further colonisation by 'presumptive' naturally resistant bacteria (day 11), followed by the re-growth of Gram-positive species (day 14). During this process, the maximum imbalance in the active microbial fraction occurred later (day 14) than the greatest change in the total microbial fraction, which reached a minimum biodiversity and richness on day 11; additionally, major metabolic changes occurred at day 6. Gut bacteria respond to ABs early by activating systems to avoid the antimicrobial effects of the drugs, while 'presumptively' attenuating their overall energetic metabolic status and the capacity to transport and metabolise bile acid, cholesterol, hormones and vitamins; host–microbial interactions significantly improved after treatment cessation.

Conclusions This proof-of-concept study provides an extensive description of gut microbiota responses to follow-up β-lactam therapy. The results demonstrate that ABs targeting specific pathogenic infections and diseases may alter gut microbial ecology and interactions with host metabolism at a much higher level than previously assumed.

Significance of this study

What is already known on this subject?
- Changes in gut microbiota have been shown to be associated with antibiotic (AB) usage.
- Broad-spectrum ABs result in a significant reduction in Bacteroidetes and a concurrent increase in Firmicutes.
- The understanding of the dynamics and mechanisms underlying functional changes in the microbiome in response to AB treatments remains limited.

What are the new findings?
- AB treatment provoked apparently oscillatory population dynamics with major changes at the level of gut microbiota metabolism and total and active microbial fraction compositions at days 6, 11 and 14, respectively, after the initiation of the therapy.
- ABs have ecological implications related to the energy metabolism of colonic bacteria, which partially improved at day 6 to cope with an intermittent nutrient supply and AB stress but decreased at later stages and after treatment cessation.
- Although no abundant bacteria can be very active at a given moment in the presence of ABs, minor community members play a significant active role in overall gut metabolism and host interactions.

How might it impact on clinical practice in the foreseeable future?
- The treatment of patients with ABs targeting specific pathogenic infections and diseases might influence the global metabolic status of gut microbes in such a way that could affect human biology. Integrative omics approaches represent a promising strategy for preventing metabolic diseases associated with AB uptake during therapeutic and clinical interventions.

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INTRODUCTION

The human colon harbours a vast ensemble of microbes that carry out vital processes for human physiology and nutrition, and the microbes in this complex ecosystem are defined as the microbiota. Accordingly, the human colon can be viewed as an

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anaerobic bioreactor in which trillions of microorganisms add a vast catalogue of genes to the genetic resources of the host to provide complementary metabolic pathways for energy harvest, food digestion, detoxification, the production of bioactive compounds and the assimilation of otherwise inaccessible dietary nutrients.[1–5] Recent studies have shown that each individual harbours a unique and relatively stable gut microbiota, generally dominated (over 90%) by the Bacteroidetes and Firmicutes, in addition to minorities of Actinobacteria, Proteobacteria and Verrucomicrobia, the majority of which have not yet been isolated or characterised.[6] However, this well engaged bacterial machinery can be disrupted by external factors such as antibiotic (AB) treatment.[7–9] AB therapy has been successfully used for many years to treat bacterial infections, but the emergence of AB-resistant bacteria has caused enormous public health problems. Moreover, resistant species can persist in the human gut for years.[7 10–12]

AB therapies affect not only the target microorganism but also the host-associated microbial communities, particularly those in the intestine. In recent years, the effects of distinct ABs on the gut microbiota have been evaluated, primarily by 16S rRNA analysis.[7 10 11 13–16] The patterns of microbial diversity and gene-encoded functions are highly intricate,[11] and contradictory reports on the compositions of microbial communities have complicated the identification of functional and molecular hotspots associated with AB therapy in humans. Recent experiments have revealed that treatment with broad-spectrum ABs affects the microbiota composition, resulting in a significant reduction in Bacteroidetes and a concurrent increase in Firmicutes.[13] Moreover, different studies have reported bacterial resilience following AB treatment.[11 14 15 17]

The understanding of the dynamics and mechanisms underlying functional changes in the microbiome in response to AB treatments remains limited, primarily because most research to date has relied on indirect evidence from DNA-based approaches that fail to provide information on actual gene expression, protein synthesis and metabolite composition and variation. Moreover, no integrated metatranscriptomic, metaproteomic or metametabolomic surveys on AB-treated human microbiota have been performed. Specifically, in the gut ecosystem, few studies have focused on metatranscriptomics. Turnbaugh *et al*[18] focused on gene expression analysis in faecal samples from a monozygotic twin pair, whereas Booijnk *et al*[19] and Gosalbes *et al*[20] studied the faecal metatranscriptomes of healthy volunteers using cDNA amplified fragment length polymorphism and pyrosequencing, respectively. Proteomic platforms have also been used to separate and identify thousands of proteins in faecal samples from healthy individuals,[21–24] but these analyses have not uncovered the effect of ABs on the stability or expression of core proteins or their functions. Finally, metabolic changes in mouse—but not human—gut microbiota following treatment with the broad-spectrum AB enrofloxacin were recently evaluated using nuclear magnetic resonance based metabolomics.[25] However, this study yielded limited information because the faecal samples were only analysed for changes in eight metabolites, including increased levels of amino acids and urea caused by the loss of microbial proteases and ureases, and reduced levels of acetate, butyrate and propionate generated by lactate-using bacteria.

In this study, we provide the first report of AB-treatment related changes in the faecal microbiota, including the total microbiota, active microbiota, metagenome, metatranscriptome, metametabolome and metaproteome. This multi-omics approach yielded a global picture of the microbial community structure and the metabolic status of the gut ecosystem, which is paramount to understanding the total effect of a given AB and to establishing correlations with host physiology. This study of one patient constitutes a proof of concept for this approach.

MATERIALS AND METHODS

Fresh faecal samples were collected from a patient who had not taken ABs within the previous 3 months. The patient (a 68-year-old man) was admitted to the Department for Internal Medicine at the University Hospital Kiel (Germany) due to an infected cardiac pacemaker. A clinical examination identified inflamed skin and subcutaneous tissue around the pacemaker, and laboratory findings revealed an elevated C-reactive protein level (CRP 19.7 mg/litre; normal value <8 mg/litre) and a full blood count within normal ranges. The patient did not present any intestinal disorders. The pacemaker had been placed to treat the patient's sick sinus syndrome, first diagnosed in 1994. His cardiovascular risk factors were arterial hypertension and non-insulin-dependent diabetes mellitus. The patient was regularly taking amlodipine, ramipril, hydrochlorothiazide and glimepiride on a daily basis and Marcumar according to his international normalised ratio values. AB therapy was initiated with a combined intravenous therapy of ampicillin/sulbactam and cefazolin on the day of admission as a single dose and continued with intravenous cefazolin alone for the next 14 days. The patient's CRP level returned to normal within 1 week after the beginning of AB therapy. Faecal samples were collected on the day of admission, prior to AB treatment (day 0, FS-0), on days 3, 6, 11 and 14 of AB treatment (FS-3, FS-6, FS-11 and FS-14, respectively) and 40 days after AB therapy (FS-40). Fresh faeces were collected, frozen immediately and stored at −80°C until further processing. Informed consent was obtained from the patient, and the study was approved by the Ethical Board of the Medical Faculty of the Christian-Albrecht-University, Kiel, Germany. The patient provided written informed consent. Full descriptions of the materials and methods used for the following are available in the Materials and Methods in the online supplement: nucleic acid and RNA extraction; 16S rDNA and 16S rRNA sequencing; metagenome sequencing; mRNA purification, amplification and sequencing; metagenomic and metatranscriptomic analysis; protein extraction, separation and identification and data processing; and metabolite extraction, separation and identification and data processing. All sequences have been entered in the European Bioinformatics Institute database, under accession number ERP001506.

RESULTS

Total and active faecal microbiota

We used 16S rDNA and 16S rRNA analyses to characterise the total bacteria (16S rDNA) and metabolically active bacteria (16S rRNA), respectively, in each faecal sample.[26–28] As shown in figure 1, there were large fluctuations in the relative abundances of the various bacterial taxa in the total and active microbiota throughout the follow-up study. In the first days of treatment, the majority of the total microbiota comprised species from the phylum Firmicutes, with the exception of FS-11 (11 days after AB treatment), which exhibited a remarkable shift towards Bacteroidetes (*Parabacteroides* and *Bacteroides* genera) and a significant increase in Betaproteobacteria (figure 1 and figure 1 in online supplement). The Lachnospiraceae and Ruminococcaceae families constituted the most abundant taxa on days 3 and 6 of AB treatment. Meanwhile, the Firmicutes represented the most abundant active phylum in most samples. However, the shift

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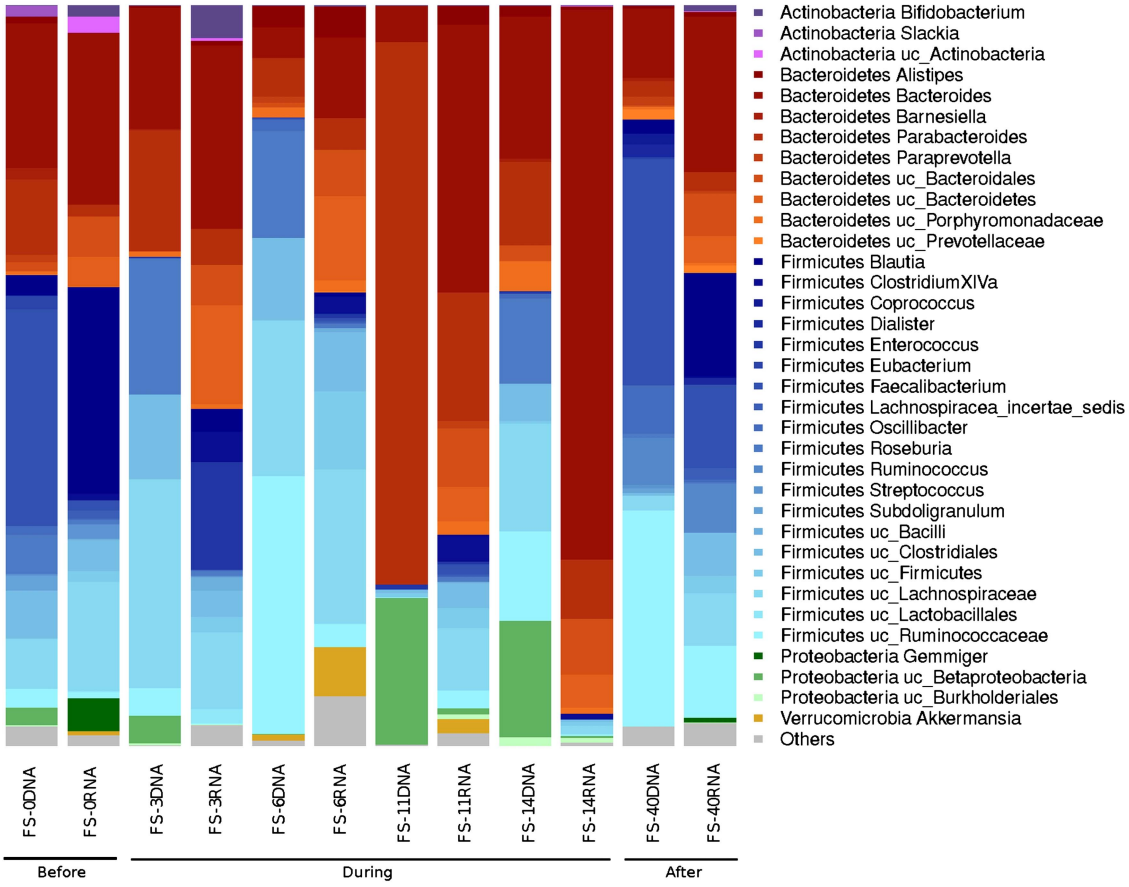

Figure 1 Total and active bacterial composition based on 16S rDNA and 16S rRNA analyses, respectively, in the follow-up study. Samples FS-0, FS-3, FS-6, FS-11 and FS-14 correspond to the materials collected on days 0, 3, 6, 11 and 14 of antibiotic (AB) treatment, respectively. The FS-40 sample corresponds to the materials collected 40 days after cessation of the AB treatment.

towards the Bacteroidetes was even more distinct and occurred later, at the 14th day (FS-14) of AB treatment, among the active bacteria, with the *Parabacteroides* genus (74%) being the predominant taxa.

As shown in figure 1, there was a general tendency towards the restoration of the original (day 0) untreated total and active bacterial composition at 40 days after cessation of the AB treatment. However, certain taxa, such as Actinobacteria (*Slackia* and *Bifidobacterium* genera), Betaproteobacteria (*Gemmiger* genus), Streptococcaceae (*Streptococcus* genus), Lachnospiraceae (*Roseburia* genus), Porphyromonadaceae (*Barnesiella* genus) and Clostridiales (*Eubacterium* and *Subdoligranulum* genera) were lost. The heat map and clustering analysis (see figure 1 in online supplement) results support the restoration of the microbiota because untreated samples clustered together regardless of whether we considered the total bacterial composition or the active bacterial composition. The results of a correspondence analysis of the relative abundance of each taxon in the total and active microbiota fractions are shown in figure 2 in the online supplement. Approximately 55.90% of the total variation can be bundled in two axes (CA1 and CA2), each of which contributed a similar degree of variation. CA1, bundling 23.81% of the variation, indicates how divergent a given sample is from the average abundance of taxa, whereas CA2, bundling 22.09% of the variation, clearly differentiates the composition of the total (DNA) and active (RNA) microbiota. Moreover, the active microbiota clearly behaved in a more homogeneous manner than the total microbiota, and samples FS-40 and FS-11 exhibited the most divergent microbiota among the samples analysed.

As shown using the Chao1 richness estimator (table 1), the diversity of the total bacterial community decreased during AB treatment and reached a minimum value after 11 days of AB treatment (FS-11). At this time point, the microbiota also exhibited a lower Shannon index value, indicating that there were fewer and more heterogeneously distributed bacterial families in the FS-11 sample compared with the other samples (figures 1, and figures 1 and 2 in online supplement). Interestingly, the biodiversity evenness and richness of the active bacteria remained essentially uniform until the 14th day of treatment (FS-14), at which time there was a marked decrease in bacterial taxa and richness.

Table 1 Biodiversity measures of total and active microbiota

Genetic material	Sample	N	Shannon	Chao1	SD
DNA	FS-0	41	3.5	46.9	5.4
	FS-3	17	2.7	21.8	5.6
	FS-6	21	2.8	23.0	3.8
	FS-11	13	1.2	14.5	0.3
	FS-14	21	3.2	21.5	1.4
	FS-40	38	3.1	43.9	6.8
RNA	FS-0	30	3.3	38.3	9.5
	FS-3	31	3.6	38.4	7.6
	FS-6	39	3,9	50.7	1.9
	FS-11	32	3,3	45.1	12.0
	FS-14	18	1.5	26.1	9.0
	FS-40	35	3.7	47.8	13.3

The number of observed taxa (N), the biodiversity index value (Shannon) and the richness estimator (Chao1) are shown, with the SD.

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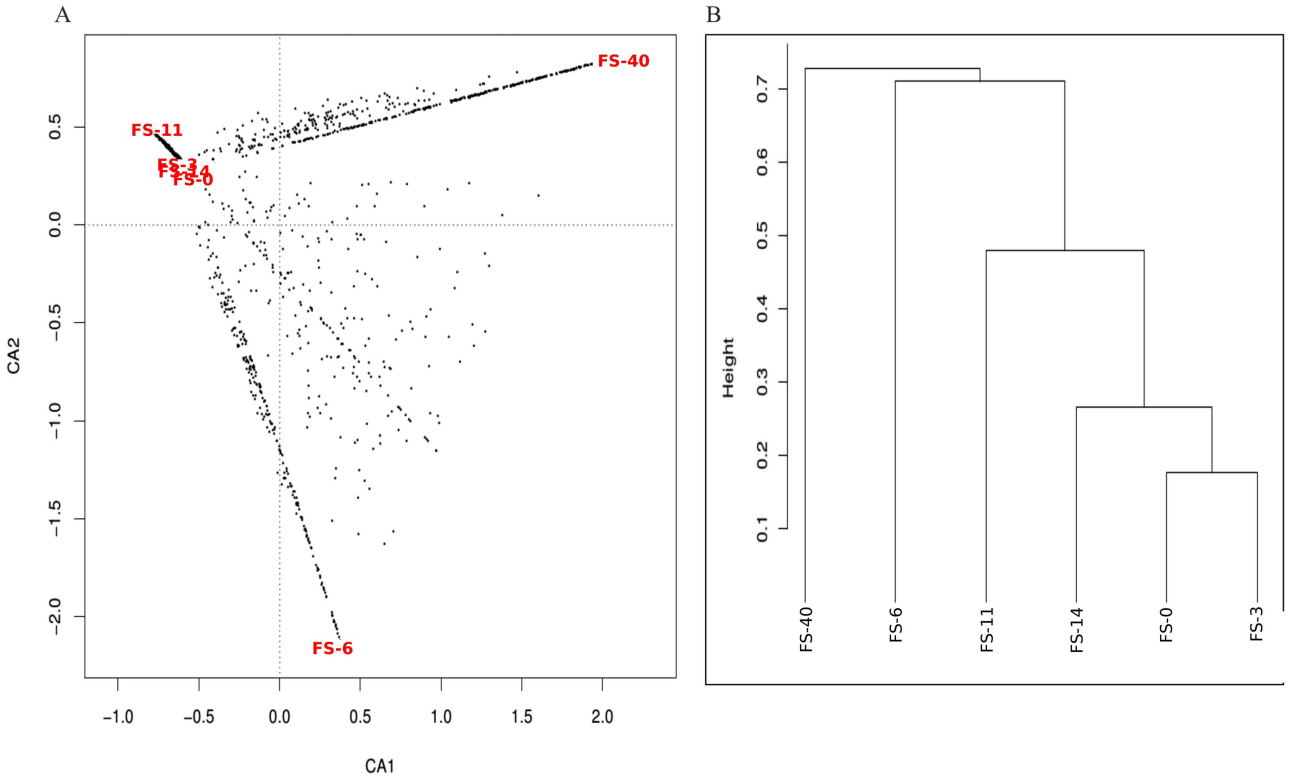

Figure 2 (A) Correspondence analysis of the expressed genes in each sample. (B) Clustering of the samples based on the type and abundance of expressed genes, applying the Bray–Curtis distance.

At the species level, the principal component analysis (PCA) showed that the total bacterial community (16S rDNA) profiles of samples FS-0 and FS-40 differed from those of the other samples (see figure 3 in online supplement). Together, the two axes projected 69% of the total variance in the data. Fourteen operational taxonomic units (OTUs) responsible for the differences between the samples were identified by the lengths of their vectors in the PLS-DA (see figure 4 in online supplement). Before and after AB treatment, OTUs with homology to *Faecalibacterium prausnitzii* and *Blautia wexlerae*, belonging to the phylum of Firmicutes, were highly abundant. However, *Enterococcus durans*, an abundant OTU in FS-3, FS-6 and FS-11, was absent in the FS-0 and FS-40 samples. Furthermore, we observed an increase in OTUs with homology to different species of *Bacteroides* and *Parabacteroides* such as *B fragilis*, *P merdae*, *B dorei*, *P distasonis, B uniformis* and *B ovatus* in the FS-11 and FS-14 samples. Thus, during AB therapy, the relative abundance of Bacteroidetes increased, whereas OTUs with homology to Firmicutes regained their dominance after cessation of the AB.

Abundance and diversity of gene transcripts by metatranscriptome analysis

To identify the major regulated pathways and processes under AB pressure, we evaluated the microbiota-regulated genes (mRNAs) (see table 1 in online supplement).[29 30] Figure 2A shows the correspondence analysis for the expressed genes in each sample, independent of the gene functions. The two axes, CA1 and CA2, bundle 39.91% and 33.12% of the total observed variation, respectively, which represents a substantial percentage (73.03%) of the total variation. The mRNA transcript contents of samples FS-6 and FS-40 were clearly distinct (figure 2B). Moreover, at the expression level, a drastic shift occurred on the 6th day of AB therapy, and the initial profile was recovered on the 14th day.

Using a self-organising map package,[31] the gene expression profiles were analysed and yielded six groups (figure 5 in online supplement). The genes included in clusters 0 and 1 exhibited increased expression only on the 3rd day following AB treatment and returned to basal levels at later stages of the treatment. These genes were functionally categorised to have roles in protein transport and binding (potassium uptake protein, TonB-dependent receptor, nitrile hydratase propeptide microcin bacteriocin system ATP-binding cassette transporter, peptidase/ATP-binding protein), toxin production and resistance (resistance-nodulation-cell division superfamily and hydrophobe/amphiphile efflux-1 transporters), detoxification (heavy metal efflux and CzcA permeases), mobile and extrachromosomal elements (phage lambda tail tape measure protein) and protein fate determination (TolC type I secretion outer membrane protein). Genes belonging to clusters 2, 3 and 4 (DNA metabolism/DNA replication, recombination and repair, protein fate/protein and peptide secretion and trafficking and protein synthesis/tRNA and rRNA base modification) presented a more uniform profile before, during and after AB treatment. The genes in cluster 5 remained constant but exhibited a relatively higher expression level on the 14th day following the beginning of AB treatment, returning to the basal level after the discontinuation of AB treatment; these genes functioned in molecule renewal and transport (proteins, peptides, amino acids, polysaccharides, purines, purine ribonucleotides, pyrimidines and glycopeptides (bio)synthesis, secretion, trafficking, transport, binding and/or degradation) and DNA metabolism/DNA replication, recombination, and repair and cellular processes related to sporulation and germination.

As illustrated in figure 3, the taxonomic assignment of expressed genes showed that the compositions of the FS-6 and

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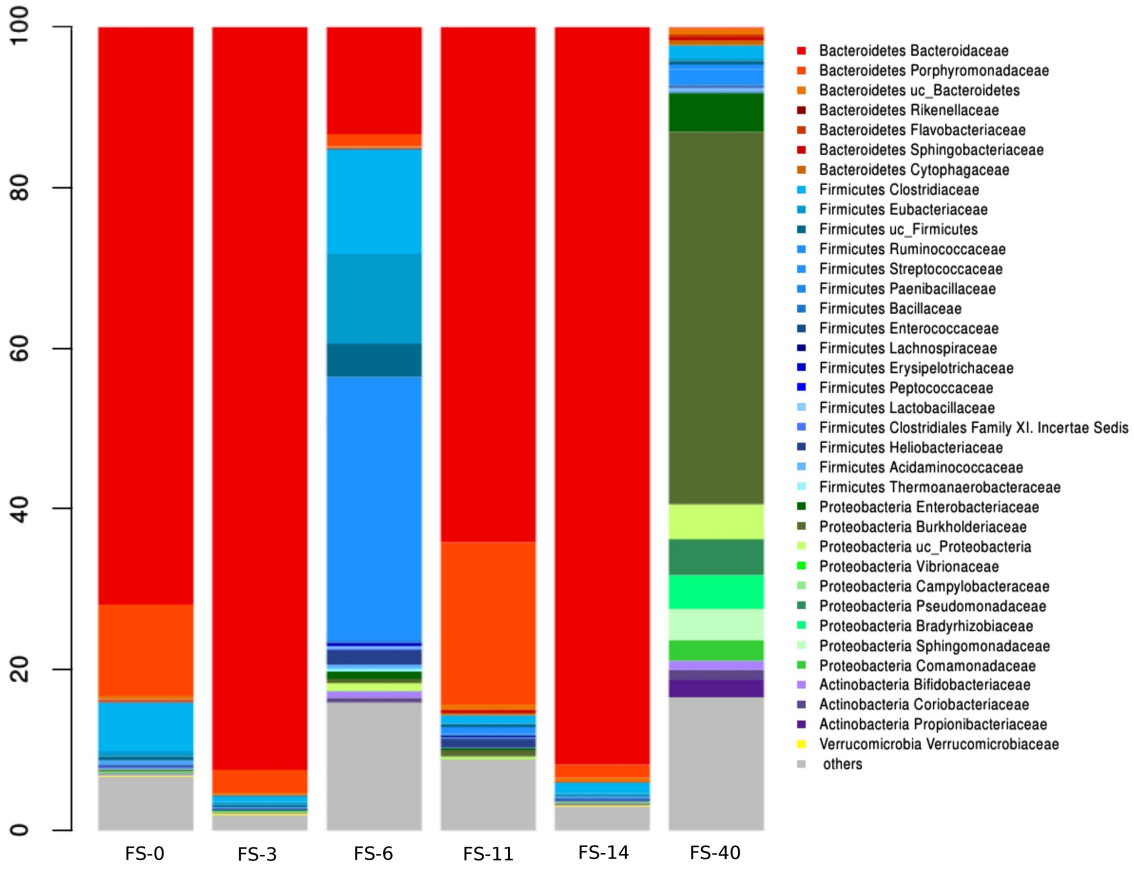

Figure 3 Taxonomic assignments of mRNAs for each sample according to the lowest common ancestor algorithm.

FS-40 samples were clearly different. The FS-6 sample contained primarily Streptococcaceae (27%), Clostridiaceae (13%) and Bacteroidaceae (13%). In the FS-40 sample, Burkholderiaceae (46%) (phylum Proteobacteria) were the most abundant, despite the low abundance of 16S rRNA from these organisms (figure 1). However, in the other samples (FS-0, FS-3, FS-11 and FS-14), the Bacteroidaceae family was the major taxon responsible for the observed gene expression. This family contains genera, such as *Parabacteroides* and *Bacteroides*, that are resistant to ampicillin and cephalosporins, as previously reported.[32] These results account for the three clusters shown in figure 2B.

We statistically evaluated the changes in gene expression following treatment according to various functional categories by applying a regression analysis in the ShotgunFunctionalizeR package.[33] The categories that demonstrated significant changes in expression during treatment are shown in figure 6 in the online supplement. Samples FS-6 and FS-40 exhibited major differences, whereas the rest of the samples were more closely related. This observation was further supported by the correspondence analyses (see figure 7 in online supplement), in which the first two axes, CA1 (56.72%) and CA2 (34.13%), accounted for 90.85% of the total variation.

Abundance and diversity of metabolites by metametabolome analysis

The metabolite contents (type and abundance) of samples FS-6 and FS-40 were clearly different (figure 4), consistent with the correspondence analysis of the observed gene expression (figure 2). Of the 382 different features identified (29 being common), the FS-40 sample revealed the greatest number (280) of associated mass features, followed by the FS-6 sample, with 234 features (see figures 8 and 9 in online supplement); FS-14 (185), FS-11 (121) and FS-0 (139) showed fewer features. According to the probability of match with the isotopic pattern shown in table 2 in the online supplement, 49 distinct common features were tentatively identified. Based on their abundance level, five groups of molecules were established (see figure 12 in online supplement). Most long-chain fatty acids and peptides exhibited increased abundance on the 6th day (sample FS-6) as well as after the discontinuation of AB treatment (FS-40); they included two masses corresponding to putative sphingolipid-related compounds, such as C_{17} sphinganine and dihydroceramide C_2, six unsaturated fatty acyls, two fatty acid amides, a lysophosphatidic acid and a tri-peptide formed by Asp/Ile/Phe, Asp/Leu/Phe or Phe/Glu/Val. Most of the putative glycerol(lyso)phospholipids (including five putative glycerophospholipids and fatty acid carnitines) exhibited increased abundance on the 11th and 14th days, but significantly decreased (from 4 to 20 000 fold) after the discontinuation of AB treatment. Finally, nine putative human-associated derivatives of cholesterol, the cholesterol-precursor vitamin D, bile acids, prostaglandins and sterol lipids appeared only after AB treatment (FS-40), with production levels of up to six orders of magnitude higher than that of samples before and during AB therapy.

Abundance and diversity of proteins by metaproteomic analysis

A total of 3011 proteins (1359 common) were unambiguously quantified (see table 3 and figure 10 in online supplement). Considering a threshold of at least 1.5 and −1.5 $\log_2$ ratios of abundance levels, we observed that AB treatment reduced the number of highly abundant proteins compared with the control

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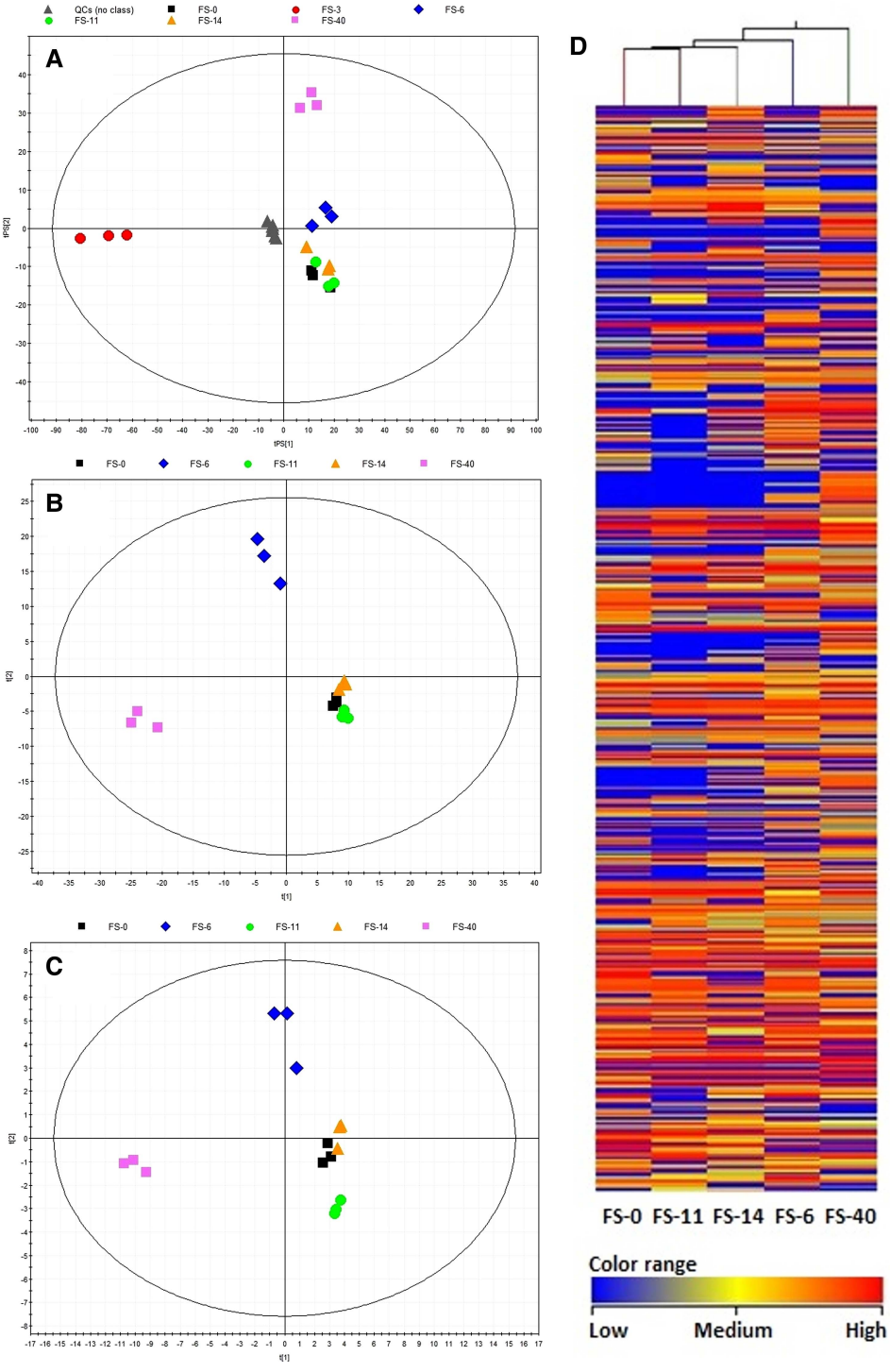

Figure 4 Partial least-squares discriminant analysis score plots and clustering analysis of metabolite profiles after different comparisons. (A) The whole dataset (8600 features) with the prediction for quality control (QC) samples, seven components, R^2=0.989, Q^2=0.670; the robustness of the analytical procedure was demonstrated by the tight clustering of the QC samples. (B) Discriminant variables identified by comparing samples in a pairwise fashion (382 discriminant features from 988 of the 4349 initial variables that were present in all three replicates of samples from any group), four components, R^2=0.978, Q^2=0.928. (C) Statistically significant variables identified in the METLIN database (49 features), four components, R^2=0.968, Q^2=0.915. (D) The effect of antibiotics on the human gut microbiota, as determined by a two-way hierarchical clustering analysis of the metabolite profiles. Hierarchical clustering was performed with a matrix of the total masses that passed the filtering and statistical treatments for each sample. Less abundant masses in a given community are shown in blue, whereas more abundant masses are shown in red. Note: sample FS-3 was discarded from the analysis due to the presence of faecal material in the cell extracts.

sample (FS-0) over time but promoted the number of low-abundance proteins (figure 5), with the FS-40 sample containing the lowest number of high-abundance proteins and the highest number of low-abundance proteins. Samples FS-11 and FS-40 exhibited clearly different protein expression profiles based on the correspondence (figure 6A) and clustering (figure 6B) analysis of differentially expressed proteins (figure 6A), which was corroborated by the corresponding functional analysis (see figure 11 in online supplement). These results suggest the restoration of the microbiota because untreated samples (FS-0 and FS-40) clustered together, indicating that the initial profile was recovered at the end of the treatment despite the drastic shift that occurred on the 11th day (see table 1 in online supplement), consistent with the analysis of the total and active bacterial compositions (figure 1).

According to the lower and over-representation of functional gene categories (clusters of orthologous groups; COGs), we found a rather stable distribution between the samples, with significantly different contributions from only 29 out of 494 COGs. As shown in figure 7, we observed specific differences that clearly indicated drastic shifts on day 6 of AB therapy (FS-6) and after treatment cessation (FS-40) of proteins assigned to 23 distinct COGs within the functional categories of glycolysis, pyruvate and glutamate metabolism, iron uptake and translation

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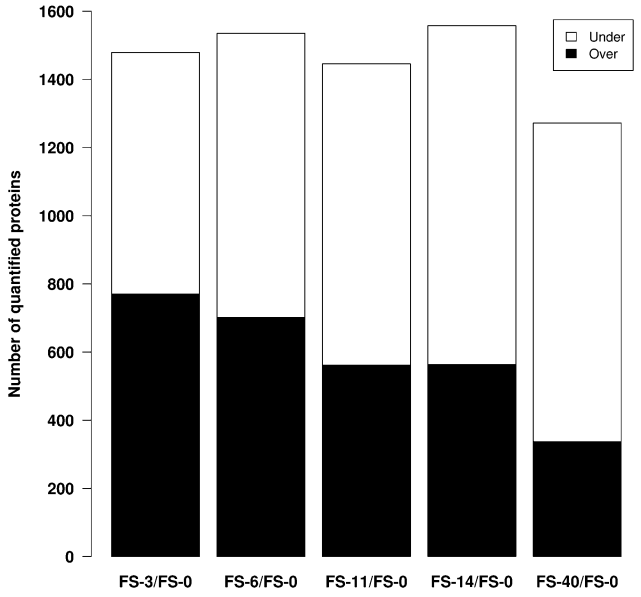

Figure 5 Number of quantified proteins showing either high (black bars) or low (white bars) abundance levels relative to the proteins identified in sample FS-0. Only proteins with values ≥1.5 or ≤-1.5 $\log_2$ ratios were considered.

(figure 7A–C); a transient increase in expression at day 6 was followed by depletion during and after the follow-up period. AB-treated samples were also characterised by a striking depletion of the translation elongation factors required for protein synthesis, such as GTPases, which facilitate the release of nascent polypeptide chains; this depletion was accentuated after treatment cessation (figure 7B). By contrast, samples taken during AB treatment were characterised by an enrichment of antimicrobial peptide transporters and multidrug efflux pumps that peaked on the 3rd day of AB treatment (figure 7D) and were absent in untreated samples (FS-0 and FS-40). Additional key proteins, such as aerobic CobN cobaltochelatases (COG1429) essential for the biosynthesis of vitamin B_{12}, were also found to be depleted (see table 3 in the online supplement) in samples FS-3, FS-11 and FS-14 compared with untreated samples.

DISCUSSION

The effects of ABs and the mechanisms underlying the connection between AB treatment and microbial gut metabolism require clarification, which can only be achieved through an integrated approach that goes well beyond the 16S DNA analysis that has been the cornerstone of previous research in this area. Thus, the aims of this study were as follows: to provide a proof of concept for an integrated workflow to assess the nature of such changes in the intestines of patients undergoing AB treatment at the structural and functional levels; and to evaluate whether there is a relationship between these types of changes. For instance, changes in the total composition at a given time point may also be associated with changes in the AB-resistant bacteria, although not necessarily at the same moment or during the same interval. Two major active factors that modulate changes in the microbiota should be considered. First, it is important to understand how AB treatment determines the emergence of bacterial species that are resistant to β-lactams (such as ampicillin and cephalosporins) and how the microbiota recovers once ABs have been removed. Second, the speed at which such changes are observed according to the different levels under consideration should be carefully evaluated.

In our study, we demonstrated that the greatest change in the active microbial fraction occurred later (day 14) than that in the total microbial fraction, which reached a minimum biodiversity and richness on the 11th day of AB treatment (figure 1). Further, oscillatory population dynamics were observed (at both the DNA and RNA levels). An early reduction in Gram-negative bacteria at day 6 and an overall collapse in diversity was followed by possible colonisation of the upper gut by naturally resistant Bacteroidetes by day 11, a consequent increase in the colonisation of the lower gut with dominance at 11–14 days and eventual re-growth of the Gram-positive bacteria at day 14. Various studies based on 16S rDNA analysis revealed important variability in the recovery of the baseline bacterial composition after AB therapy depending on the individual and the AB used (type and dose).[11 14 15] The large fluctuations in the relative abundances of the various bacterial taxa for the total and active microbiota throughout the follow-up study were most likely associated with an additive effect of ampicillin/sulbactam and

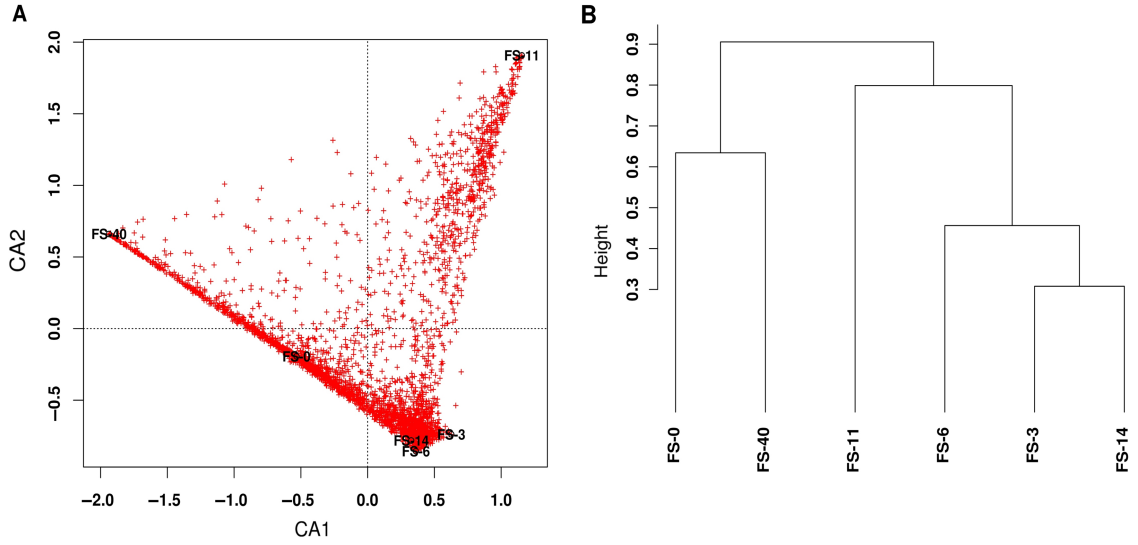

Figure 6 (A) Correspondence analysis of the expressed proteins in each sample. (B) Clustering of the samples based on the type and abundance of expressed proteins, with Pearson's correlation applied to calculate the distances. The two axes, CA1 and CA2, in (A) bundle 33% and 28% of the total observed variation, respectively.

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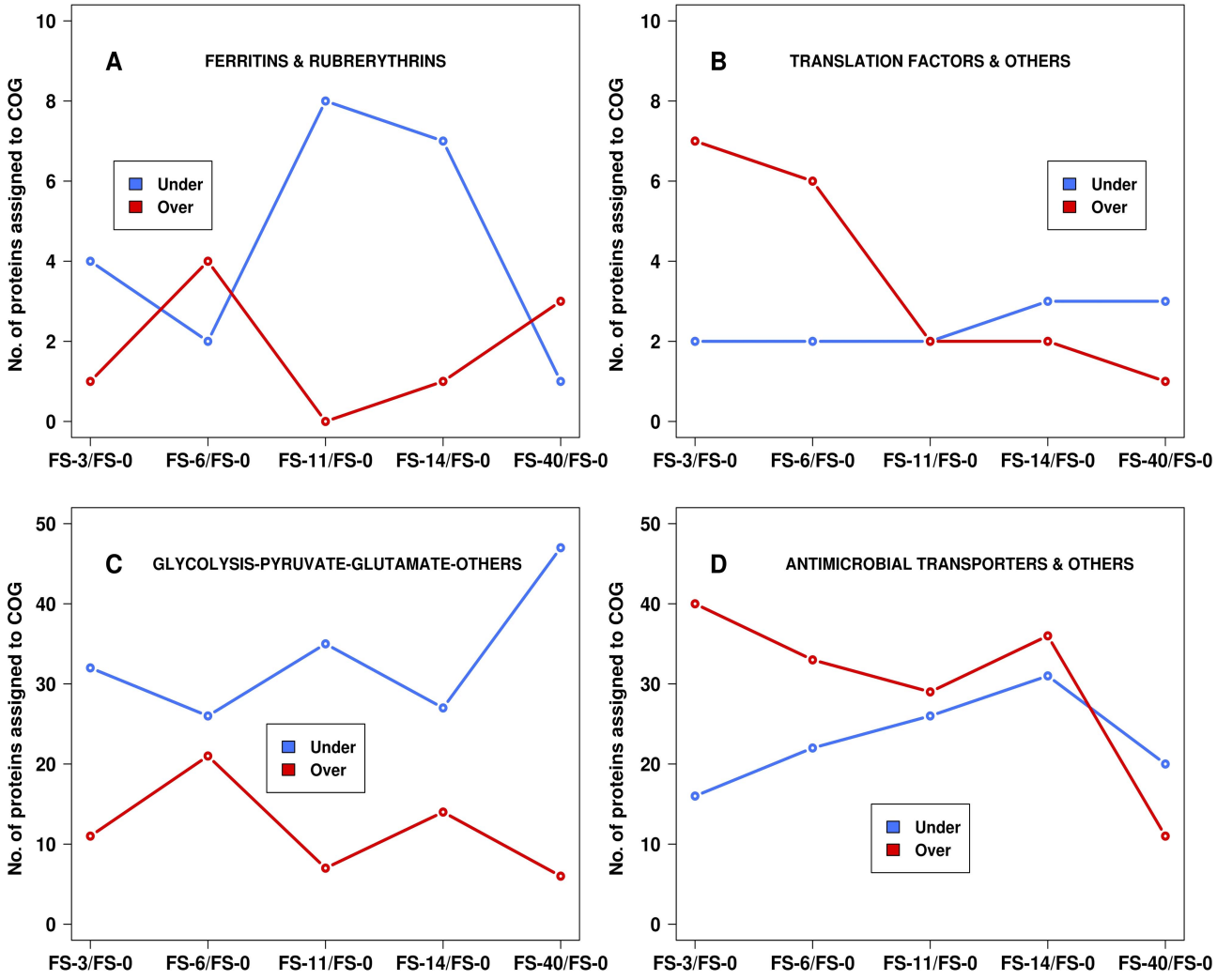

Figure 7 Graphical representation of the high-abundance and low-abundance proteins in different pathways, according to the clusters of orthologous group (COG) number assigned to each protein. (A) Rubrerythrin/ferritin COGs: COG1592 (rubrerythrin) and COG1528 (ferritin-like protein). (B) Translation factor and translation enzyme COGs: COG0193 (peptidyl-tRNA hydrolase), COG0264 (translation elongation factor Ts), COG0050, COG0532 (GTPases—translation elongation factors), COG0216 (protein chain release factor A), COG0480 (translation elongation factors (GTPases)) and COG0231 (translation elongation factor P/translation initiation factor 5A). (C) Glycolysis, pyruvate, glutamate and other related COGs: COG0126 (3-phosphoglycerate kinase), COG0205 (6-phosphofructokinase), COG0148 (enolase), COG0076 (glutamate decarboxylase and related proteolipid protein-dependent proteins), COG1830 (DhnA-type fructose-1,6-bisphosphate aldolase and related enzymes), COG0334 (glutamate dehydrogenase/leucine dehydrogenase), COG1053 (succinate dehydrogenase/fumarate reductase, flavoprotein subunit), COG0588 (phosphoglycerate mutase 1), COG0479 (succinate dehydrogenase/fumarate reductase, Fe-S protein subunit), COG0191 (fructose/tagatose bisphosphate aldolase), COG0149 (triosephosphate isomerase), COG0166 (glucose-6-phosphate isomerase), COG0057 (glyceraldehyde-3-phosphate dehydrogenase/erythrose-4-phosphate dehydrogenase) and COG0469 (pyruvate kinase). (D) Antimicrobial transporters, multidrug efflux pumps and other transporter COGs: COG0841 (cation/multidrug efflux pump), COG2825 (outer membrane protein), COG3292 (predicted periplasmic ligand-binding sensor domain), COG3264 (small-conductance mechanosensitive channel), COG1538 (outer membrane protein) and COG1629 (outer membrane receptor proteins). Only proteins with values ≥1.5 or ≤-1.5 $\log_2$ ratios were considered.

the first-generation cephalosporin cefazolin as well as the widespread development of β-lactamases (for details, see the Discussion in the online supplement).[13]

The apparent oscillations in the population dynamics were shown to further influence the biodiversity and richness of metabolites and active proteins; these changes, some of which may play essential roles in protection against ABs (for details, see the Discussion in the online supplement), may also have important ecological implications. In our study, we observed a drastic shift 6 days after the onset of AB treatment, at which time the predominantly active taxa were mainly members of the Streptococcaceae, Clostridiaceae and Bacteroidaceae, and at 40 days after the end of AB treatment, when the most abundant active bacteria were members of the Burkholderiaceae (Proteobacteria phylum). Thus, these bacteria may have contributed to the distinct functional profiles and metabolic statuses of colonic bacteria during the follow-up therapy.

A notable finding in this study was that protein expression appeared to decrease as a consequence of AB treatment; furthermore, the production of proteins needed for glycolysis, pyruvate decarboxylation, the tricarboxylic acid cycle, glutamate metabolism, iron uptake, GTP hydrolysis and translation termination were enhanced at the initial stages of AB treatment (day 6), most likely to cope with an intermittent nutrient supply and the stress caused by the ABs, but decreased at later stages and after treatment cessation. Together, these results suggest for first time that AB treatment may 'presumptively' negatively affect the

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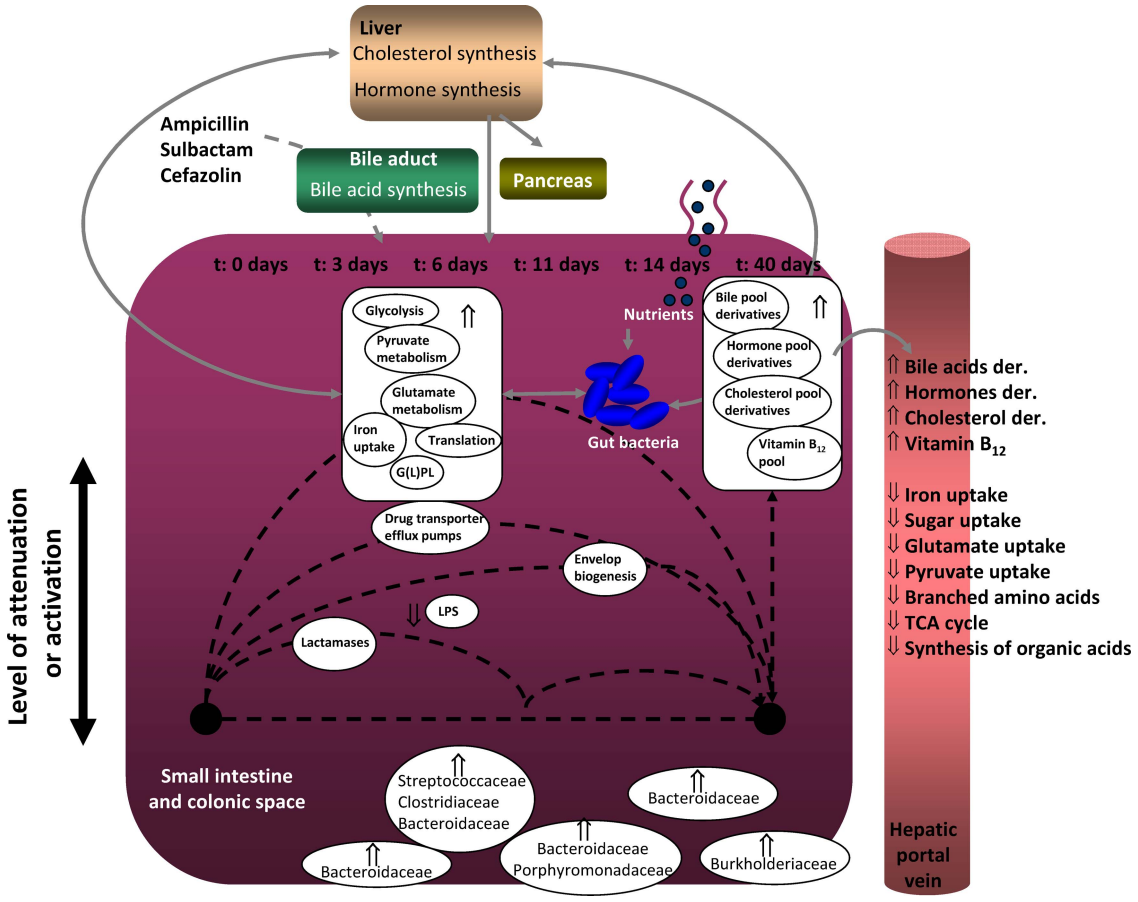

Figure 8 The 'presumptive' model related to the follow-up effect of antibiotics (ABs) on the microbial and metabolic composition of the human gut. The model is based on the combination of experimental multi-omics data. The biliary excretion of ABs triggers a cascade of metabolic events. At the earlier stages of AB therapy, the bacteria respond by promoting systems to avoid the antimicrobial effects of the drugs (expressing beta-lactamases, antimicrobial peptide transporters and multidrug efflux pumps and producing glycero(lyso)phospholipids—G(L)PL) and to cope with an intermittent nutrient supply while decreasing polysaccharides and lipopolysaccharide (LPS) production. Genes involved in cell envelope biosynthesis and the degradation of peptidoglycan-like components are increasingly expressed until the end of AB treatment but with a time delay compared with other drug-detoxifying mechanisms. Finally, the bacterial metabolism of the bile acid, hormones and cholesterol synthesised in the liver and pancreas is attenuated by AB therapy, thus possibly affecting entero-hepatic recirculation and systemic lipid metabolism, that is, the emulsification, absorption and transport of dietary fats; however, after treatment cessation, the metabolism of these factors improved significantly. Similarly, the pool of vitamins that are directly synthesised by gut bacteria was significantly improved after treatment cessation. The nutrient supply mechanisms, such as glycolysis, pyruvate decarboxylation, tricarboxylic acid (TCA) cycle, glutamate metabolism, and iron uptake, that are induced at earlier stages (day 6) become attenuated during the late stages of the therapy and become significantly attenuated after treatment cessation, suggesting that the entero-hepatic recirculation system may contain a lower amount of iron, sugars, branched amino acids, short organic acids and pyruvate produced or transported by colonic bacteria. At the active bacterial structure level, an apparently oscillatory population dynamic was further observed, with the initially predominant active Bacteroidaceae becoming replaced by Burkholderiaceae after treatment cessation. The broken line indicates the overall trend in each of the gut bacteria components during the follow-up treatment.

overall metabolic status of the colonic space (for an example, see the Discussion in the online supplement), although further studies may be required to further confirm this hypothesis. Additionally, the expression levels of all the genes belonging to the 'mobile and extrachromosomal element functions' category were decreased during treatment, and all of them were associated with clustered regularly interspaced short palindromic repeats (CRISPRs). These genes encode a system that functions as a type of bacterial adaptive 'immune' response.[34] Specifically, the genes that belong to the CRISPR/Cas system are involved in protecting cells from invasion by foreign DNA (viruses and plasmids) through an RNA-interference-like process.[35] Thus, the decreases in the expression of these genes may render the bacteria more susceptible to the acquisition of foreign DNA. This could provide an advantage in an AB-containing environment because it increases the likelihood of obtaining resistance genes by horizontal gene transfer.

Of major metabolic significance was the observation that the production of metabolites that are known to be produced by the host and further metabolised by colonic bacteria, such as derivatives of bile acids, cholesterol and hormones, was altered during the AB treatment and was significantly improved after treatment cessation. In essence, this finding suggests that AB treatment altered the continual interplay between the liver/pancreas and bacterial enzymes operating in the colonic space and that AB therapy may have a positive long-term effect in human biology. This result is consistent with the finding that the biological production of host-beneficial molecules such as vitamin B_{12} and the uptake of key metals such as Co^{2+} by colonic bacteria were affected by AB therapy because the expression of genes and proteins associated with those functions was restored after treatment cessation. This is particularly important because it has been demonstrated that the microbiota from the distal guts of different individuals exhibit partial functional redundancy in

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addition to clear differences in community structure in the absence of ABs.[36] By contrast, although further experimental evidence is required, our results suggest that the presence of ABs per se may have additional 'presumptive' collapse effects in key metabolic pathways independent of the community structure and that functional replacement events may be affected under AB stress.

Although, the investigation reported here was for a single patient and should generally be considered qualitative, it constitutes a proof of concept for an integrated, multi-omics approach towards unravelling the dynamics and mechanisms underlying the response of intestinal microbiota to AB treatment. A 'presumptive' model related to the follow-up effects of ABs on bacterial and metabolic composition is summarised in figure 8. These data may help to identify specific strains of gut microbiota with potential benefits in human health or to design specific therapies to decrease intestinal inflammation or normalise dysfunctions of the gut mucosa; for example, minor bacterial taxa such as Proteobacteria have been shown to play a significant, active role in overall gut metabolism and host interaction despite their low number. Further studies investigating different ABs and (un)related individuals are required to better ascertain the link between bacterial producers and the presence of particular proteins and molecules, and the metabolic consequences of AB treatment; this may serve as a promising focus for therapeutic interventions or the treatment of pathogenic infections and diseases.

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Contributors The authors made the following contributions to the study. Conceived and designed the experiments: AEP-C, MJG, AF, HK, DR, CB, JS, VMS, SJO, MF and AM. Performed the experiments: AEP-C, MJG, HK, AA, KE, WO, DR, SCN, CD, F-AH, JS and MF. Analysed the data: MJG, AEP-C, AA, AF, HK, WO, RB, F-AH, AL, CB, JS, MF and AM. Contributed reagents/materials/analysis tools: AEP-C, AA, MJG, AF, HK, WO, DR, RB, MVB, F-AH, CB and JS. Wrote the paper: MJG, MF and AM. MJG, AF, SJO, MF and AM contributed equally.

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Competing interests None.

Patient consent Obtained.

Ethics approval Ethical Board of the Medical Faculty of the Christian-Albrecht-University, Kiel, Germany.

Provenance and peer review Not commissioned; externally peer reviewed.

Data sharing statement There are no unpublished data related to this study. The whole dataset has been included here.

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REFERENCES

1 O'Hara AM, Shanahan F. The gut flora as a forgotten organ. *EMBO Rep* 2006;7:688–93.
2 Hooper LV, Gordon JI. Commensal host–bacterial relationships in the gut. *Science* 2001;292:1115–18.
3 Nicholson JK, Holmes E, Wilson ID. Gut microorganisms, mammalian metabolism and personalized health care. *Nat Rev Microbiol* 2005,3:431–8.
4 Turnbaugh PJ, Gordon JI. The core gut microbiome, energy balance and obesity. *J Physiol* 2006;587:4153–8.
5 Qin J, Li R, Raes J, *et al*. A human gut microbial gene catalogue established by metagenomic sequencing. *Nature* 2010;464:59–65.
6 Arumugam M, Raes J, Pelletier E, *et al*. Enterotypes of the human gut microbiome. *Nature* 2011;473:174–80.
7 Jernberg C, Löfmark S, Edlund C, *et al*. Long-term impacts of antibiotic exposure on the human intestinal microbiota. *Microbiology* 2010;156:3216–3.
8 Willing BP, Rusell SL, Finlay BB. Shifting the balance: antibiotic effects on host–microbiota mutualism. *Nature Rev* 2011;9:233–43.
9 Schmieder R, Edwards R. Insights into antibiotic resistance through metagenomic approaches. *Future Microbiol* 2012;7:73–89.
10 Jernberg C, Löfmark S, Edlund C, *et al*. Long-term ecological impacts of antibiotic administration on the human intestinal microbiota. *ISME J* 2007;1:56–66.
11 Jakobsson HE, Jernberg C, Andersson AF, *et al*. Short-term antibiotic treatment has differing long-term impacts on the human throat and gut microbiome. *PloS One* 2010;5:e9836.
12 Andersson DI, Hughes D. Persistence of antibiotic resistance in bacterial populations. *FEMS Microbiol Rev* 2011;35:901–11.
13 De La Cochetière MF, Durand T, *et al*. Resilience of the dominant human faecal microbiota upon short-course antibiotic challenge. *J Clin Microbiol* 2005;43:5588–92.
14 Dethlefsen L, Huse S, Sogin ML, *et al*. The pervasive effects of an antibiotic on the human gut microbiota, as revealed by deep 16S rRNA sequencing. *PLoS Biol* 2008;6:e280.
15 Antonopoulos DA, Huse SM, Morrison HG, *et al*. Reproducible community dynamics of the gastrointestinal microbiota following antibiotic perturbation. *Infect Immun* 2009;77:2367–75.
16 Ubeda C, Taur Y, Jenq RR, *et al*. Vancomycin-resistant *Enterococcus* domination of intestinal microbiota is enabled by antibiotic treatment in mice and precedes bloodstream invasion in humans. *J Clin Invest* 2010;120:4332–41.
17 Dethlefsen L, Relman DA. Incomplete recovery and individualized responses of the human distal gut microbiota to repeated antibiotic perturbation. *Proc Natl Acad Sci USA* 2011;105:4554–61.
18 Turnbaugh PJ, Quince C, Faith JJ, *et al*. Organismal, genetic, and transcriptional variation in the deeply sequenced gut microbiomes of identical twins. *Proc Natl Acad Sci USA* 2010;107:7503–8.
19 Booijink CC, Boekhorst J, Zoetendal EG, *et al*. Metatranscriptome analysis of the human faecal microbiota reveals subject-specific expression profiles, with genes encoding proteins involved in carbohydrate metabolism being dominantly expressed. *Appl Environ Microbiol* 2010;76:5533–40.
20 Gosalbes MJ, Durbán A, Pignatelli M, *et al*. Metatranscriptomic approach to analyze the functional human gut microbiota. *PloS One* 2011;6:e17447.
21 Klaassens ES, de Vos WM, Vaughan EE. Metaproteomics approach to study the functionality of the microbiota in the human infant gastrointestinal tract. *Appl Environ Microbiol* 2007;73:1388–92.
22 Verberkmoes NC, Russell AL, Shah M, *et al*. Shotgun metaproteomics of the human distal gut microbiota. *ISME J* 2009;3:179–89.

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23 Rooijers K, Kolmeder C, Juste C, *et al*. An iterative workflow for mining the human intestinal metaproteome. *BMC Genomics* 2011;12:6.
24 Kolmeder CA, de Been M, Nikkilä J, *et al*. Comparative metaproteomics and diversity analysis of human intestinal microbiota testifies for its temporal stability and expression of core functions. *PloS One* 2012;7:e29913.
25 Romick-Rosendale LE, Goodpaster AM, Hanwright PJ, *et al*. NMR-based metabonomics analysis of mouse urine and faecal extracts following oral treatment with the broad-spectrum antibiotic enrofloxacin (Baytril). *Magn Reson Chem* 2009;47(Suppl 1):S36–6.
26 Kemp PF, Lee S, Laroche J. Estimating the growth rate of slowly growing marine bacteria from RNA content. *Appl Environ Microbiol* 1993;59:2594–601.
27 Moeseneder MM, Arrieta JM, Herndl GJ. A comparison of DNA- and RNA-based clone libraries from the same marine bacterioplankton community. *FEMS Microbiol Ecol* 2005;51:341–52.
28 Cole JR, Wang Q, Cardenas E, *et al*. The Ribosomal Database Project: improved alignments and new tools for rRNA analysis. *Nucleic Acids Res* 2009;37(Database issue):D141–5.
29 Durbin R, Eddy SR, Krogh A, *et al*. *Biological Sequence Analysis: Probabilistic Models of Proteins and Nucleic Acids*. Cambridge, UK: Cambridge University Press, 1998.
30 Haft DH. The TIGRFAMs database of protein families. *Nucleic Acids Res* 2003;31:371–3.
31 Yan J. Som: Self-Organizing Map. R package version 0.3-5. 2010; http://CRAN.Rproject.org/package=som (accessed 23 November 2012)
32 Nakano V, Silva ADNE, Merino VRC, *et al*. Antimicrobial resistance and prevalence of resistance genes in intestinal *Bacteroidales* strains. *Clinics* 2011;66:543–7.
33 Kristiansson E, Hugenholtz P, Dalevi D. ShotgunFunctionalizeR: an R-package for functional comparisons of metagenomes. *Bioinformatics* 2009;25:2737–8.
34 Barrangou R, Fremaux C, Deveau H, *et al*. CRISPR provides acquired resistance against viruses in prokaryotes. *Science* 2007;315:1709–12.
35 Makarova KS, Grishin NV, Shabalina SA, *et al*. A putative RNA-interference-based immune system in prokaryotes: computational analysis of the predicted enzymatic machinery, functional analogies with eukaryotic RNAi, and hypothetical mechanisms of action. *Biol Direct* 2006;1:7.
36 Ferrer M, Ruiz A, Lanza F, *et al*. Microbiota from the distal guts of lean and obese adolescents exhibit partial functional redundancy besides clear differences in community structure. *Environ Microbiol* Published Online First: 23 Jul 2012. doi:10.1111/j.1462-2920.2012.02845.x.

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SUPPLEMENTAL MATERIALS AND METHODS

DNA and RNA extraction

For nucleic acid extraction, samples were resuspended in phosphate-buffered saline solution (PBS). The samples were then centrifuged at 2000 rpm at 4ºC for 2 minutes to remove faecal debris. The supernatant was then centrifuged at 13000 rpm for 5 min to pellet the cells. Total DNA was extracted from pelleted cells using the QIAamp® DNA Stool kit (Qiagen), according to the manufacturer's instructions. In the analysis of the species-level microbiota composition, the total DNA was purified from faecal samples as previously described.[37]

Total RNA was extracted from pelleted cells using the RiboPure-Bacteria kit (Ambion) and then treated with DNAse I. To verify the removal of total DNA, a polymerase chain reaction (PCR) for each RNA sample was performed with universal 16S primers. The DNA and RNA extractions were verified by standard agarose gel electrophoresis and quantified with a Nanodrop-1000 spectrophotometer (Thermo Scientific). Total DNA was used for 16S rDNA biodiversity and metagenome determinations, whereas total RNA was used for 16S rRNA biodiversity and metatranscriptome determinations.

Amplification of the 16S rDNA gene and metagenome determination

For each sample, a region of the 16S rDNA (*ssu* gene) was amplified by PCR using the universal primers E8F (5'-AGAGTTTGATCMTGGCTCAG 3') and 530R (5'-CCGCGGCKGCTGGCAC 3'). For species-level analysis we used the primers 27F (5'-AGAGTTTGATCCTGGCTCAG 3') and 338R (5'-TGCTGCCTCCCGTAGGAGT 3'). The amplified region comprises the hypervariable regions and V1, V2 and V3 for the first pair of primers and V1, V2 for the second. In both cases we applied the sample-specific Multiplex Identifier (MID) for pyrosequencing. PCR was performed under the following conditions: 95ºC for 2 minutes, followed by 25 cycles of 95ºC for 30 s, 52ºC for 1 minute and 72ºC for 1

minute, and a final extension step at 72ºC for 10 minutes. Amplification was verified by electrophoresis in an agarose gel (1.4%). PCR products were purified using QIAquick gel extraction Kit (QIAGEN) or the NucleoFast® 96 PCR Clean-Up kit (Macherey-Nagel) and quantified with a Nanodrop-1000 spectrophotometer (Thermo Scientific) and with the QuantiT PicoGreen dsDNA Assay Kit (Invitrogen). The pooled PCR products were directly pyrosequenced.

The metagenome was directly obtained by sequencing the total DNA using a Roche 454 GS FLX sequencer. Assembly was performed using Roche's Newbler assembler v. 2.5.3 with default parameters. We sequenced the metagenomes for each time sample, obtaining 17.37 Mb for FS-0; 245.33 Mb for FS-3; 22.74 Mb for FS-6; 12.07 Mb for FS-11; 23.22 Mb for FS-14; and 53.57 Mb for FS-40

16S rRNA sequencing and mRNA extraction and amplification

Total RNA was directly retrotranscribed to obtain the 16S rRNA (as a measure of active bacteria) as well as the rest of the RNA, particularly the mRNA. Prior to mRNA amplification, to remove the maximum amount of rRNA, rRNAs were first depleted with the MICROBExpress kit (Ambion), which captures and removes the rRNA (16S rRNA, 23S rRNA) by hybridization.[38] Second, we used the mRNA-ONLY Prokaryotic mRNA isolation kit (Epicentre), which uses a terminator 5'-phosphate-dependent exonuclease that specifically digests rRNAs due to the presence of 5' monophosphate groups. Finally, mRNA was linearly amplified using the MessageAmp II-Bacteria kit (Ambion), which adds poly(A) tails to the mRNAs.

To retrotranscribe the total RNA and the amplified mRNA into single-stranded cDNA, we used the High-Capacity cDNA Reverse Transcription kit (Ambion). To synthesize double-stranded cDNA (ds-cDNA), we used standard procedures. The products were quantified with

a Nanodrop-1000 spectrophotometer (Thermo Scientific) prior to sequencing.

All sequencing was performed by Life Sequencing (Valencia, Spain) with a Roche GS FLX sequencer and titanium chemistry.

Biodiversity analysis

The 16S rRNA reads were retrieved from the total cDNA by comparing the total reads against the Small Subunit rRNA Reference Database (SSUrdb)[39] with BLASTN[40] and an e-value of 10^{-16}. For 16S DNA reads, we removed the sequences with low-quality scores (<20) and a short length (<200 bp). Sequences were checked for chimeras using MOTHUR software.[41] For species-level analysis sequences were clustered into Operational Taxonomic Units (OTUs) by 3% distance level based on the average neighbour algorithm.

The taxonomic information for the 16S rDNA and the 16S rRNA sequences was obtained by comparison against the Ribosomal Database Project-II (RDP).[28] We considered only annotations with a bootstrap cutoff value above 0.8 and terminated the assignation at the lowest phylogenetic category identified at or above this support level. For species identification, the taxonomical assignment was performed also with RDP and a bootstrap threshold of 60%. An additional web-based matching against type strain sequences was conducted with RDP Seqmatch (http://rdp.cme.msu.edu/seqmatch/seqmatch_intro.jsp). OTU abundances were Hellinger transformed[42] and a Principal Component Analysis (PCA) based on the covariance matrix of transformed OTU abundances was performed. To assess the number of interpretable axes within the PCA, a Kaiser-Guttman and broken-stick-model were computed (data not shown). Additionally, OTUs responsible for differences between the samples were identified in a scree plot based on their vector length in the PCA.

Two biodiversity parameters were calculated: Shannon and Chao1. The Shannon index is a measure of the degree of homogeneity of the microbiota,[43] and Chao1 is a richness estimator

that also permits the assessment of the number of bacterial taxa in the samples.[44,45] To avoid a sequencing effort bias, both indices were calculated after subsampling with the multiple_rarefactions.py script of QIIME.[46]

Microbial communities were compared using heatmaps of taxa abundance and composition. Correspondence analyses and clustering by means of the Bray-Curtis distance were obtained by applying the statistical package R.[47]

Metatranscriptome analysis by mapping the metagenome

We sequenced metatranscriptomes for each time sample, obtaining 7.33 Mb for FS-0; 5.85 Mb for FS-3; 7.27 Mb for FS-6; 5.68 Mb for FS-11; 4.37 Mb for FS-14; and 2.58 Mb for FS-40. Our aim was to identify coding regions in the metagenomes and then map the corresponding transcriptomes to determine the relative expression of the genes. To identify the coding regions, two different strategies were used. First, our dataset was compared against the sequences belonging to the bacterial superkingdom in the NCBI-nr protein database using BLASTX[40] and an e-value of 10^{-3}. Second, we used Glimmer[48] to identify coding regions present in our samples but not in the NCBI-nr protein database. For coding regions identified using BLASTX, we performed taxonomic assignment by applying the Lowest Common Ancestor (LCA) algorithm.[49]

To obtain a relative measure of gene expression for each sample, we followed the methodology described by Turnbaugh *et al.*[18] Briefly, this methodology consists of adjusting the number of transcripts mapping to each coding region by dividing it by its associated copy number. To assign the copy number of each gene, we applied the BLASTX[40] coding regions against themselves with an e-value of 10^{-3}.

To functionally annotate the identified coding regions, we used HMMER against the database of prokaryotic models TIGRFAM with default parameters.[30] We used an integrative

algorithm based on homology that enabled us to obtain a matrix containing the relative expression of the same coding regions in the different samples. To apply the copy number correction to the functional and taxonomical annotation, each taxon or function must have an associated integer frequency to recover abundance matrices for each individual sample. To achieve this goal, we transformed the measure of relative expression to integer values by applying univariate standardization within each sample followed by logarithmic scaling. We performed a clustering analysis to classify the genes identified for each sample according to their expression profile with the SOM package (Self-Organizing Map).[31] This analysis applied a univariate scaling to the expression gene matrix to obtain all expression gene profiles with the same mean of 0 and standard deviation of 1. The scaled expression profiles were clustered by creating a Self-Organizing-Map. Using the information associated with each gene, we performed multivariate analyses, such as correspondence analysis or clustering. For this purpose, we used the package Vegan[50] in R.[47] We used different tools of the ShotgunFunctionalizeR[33] library of R[52] to perform the statistical comparisons. Specifically, we performed regression analyses at different functional levels for general roles and gene families based on a Poisson model to identify the functional levels that change significantly during treatment.

All of the analyses were integrated within a script written in the shell language of Linux that calls other scripts written mainly in R[47] and Perl (http://www.perl.org/).

Protein extraction, separation and identification and data processing

Protein extraction was performed by incubating 1.2 ml BugBuster Protein Extraction Reagent (Novagen) for 30 min at room temperature with the bacterial pellet obtained as described above. Faecal bacteria were further disrupted by mechanical lysis followed by sonication for 2.5 min on ice. The extract was then centrifuged for 10 min at 12000 rpm to separate cell

debris and intact cells. The supernatant was carefully aspirated (to avoid disturbing the pellet) and transferred to a new tube, and protein concentrations were determined with the Bradford assay.[51] For 1-DE analysis, two 75-µg protein samples (technical replicates denoted by a or b) were precipitated with five-fold volumes of ice-cold acetone and separated on a 12% acrylamide separating gel with the Laemmli buffer system.[52] After electrophoresis, protein bands were stained by colloidal Coomassie Brilliant Blue G-250 (Roth, Kassel, Germany). Entire protein lanes were individually cut into six bands prior to performing in-gel tryptic digestion.[53] Tryptic peptides of each band were desalted with a C18 ZipTip prior to MS analysis.

Peptides were analyzed by UPLC-LTQ Orbitrap-MS/MS, as described in Bastida *et al.*[54] The peptides were eluted over 77 min with a gradient of 2 to 60% solvent (acetonitrile, 0.1% formic acid). Continuous scanning of the eluted peptide ions was performed at 300-1,600 *m/z*, automatically switching to MS/MS CID mode on ions exceeding an intensity of 2000. Raw data were searched using MaxQuant™ (version 1.2.18).[55] Each sample was measured with two technical replicates. The raw data obtained from peptide samples originating from the same lane on the 1-DE gel were searched together, and technical replicates were analyzed separately. The database that was searched against contained the metagenomic data obtained from samples FS-0 to FS-40. The settings for MaxQuant were the following: the peptide modifications included methionine oxidation as variable and cysteine carbamidomethylation as fixed; first search ppm of 20; main search ppm of 6; maximum number of modifications per peptide: 5; max. missed cleavages: 2; and a maximum charge for the peptide of 5. The parameters for identification included a minimum peptide length of 5 amino acids and a false discovery rate for peptides and proteins and a level of modification sites of 1%. A minimum of 2 unique peptides was required for protein identification. Apart from unmodified peptides, only peptides with oxidized methionine and carbamidomethylized

cysteine were used for quantification. Only unique or razor peptides were chosen for use in quantification. Miscellaneous settings included “re-quantified”, “keep low scoring versions of identified peptides”, “match between runs” (time window of 2 min), “label-free quantification” and “second peptides”.

To analyze the data, the intensity attributed to each identified protein was divided by the number of peptides assigned to the protein. Normalization was then performed by dividing these corrected intensity values by the median of all corrected intensities from the same sample. The ratio of the normalized intensities was calculated for each protein by dividing the mean of the normalized intensities from samples FS-3, FS-6, FS-11, FS-14 and FS-40, respectively, by the mean of the normalized intensities from sample FS-0. Ratio values were then calculated by taking the logarithms of the ratios to the base of 2. For up regulation of protein expression in the gut environment, a threshold of at least 1.5 for the ratio value was set, and for down regulation, a maximum value of -1.5 was set.

Metabolite extraction, separation and identification and data processing

Metabolite extraction was performed by adding 1.2 ml of cold (-80ºC) HPLC-grade methanol (MeOH) to the bacterial pellet obtained as described above. Samples were then vortex-mixed and stored at -80ºC for 60 min. Then, the samples were again vortex-mixed and sonicated for 30 seconds on liquid nitrogen and stored at -80ºC for 60 min. This protocol was repeated 5 times. The final pellet was removed by centrifugation at 16000 rpm for 10 min at 4ºC, and the supernatant was stored in a 20-ml penicillin vial at -80ºC. The methanolic extract was centrifuged at 13000 rpm and 4ºC for 20 min to precipitate any solid impurity. The supernatant was removed and transferred to analytical vials. Quality control (QC) samples were prepared by pooling equal volumes of the supernatant from each of the 18 samples (6

samples x 3 replicates each). QC samples were analyzed throughout the run to provide a measurement of the system's stability and performance.

The HPLC-ESI-QTOF-MS system consisted of a degasser, two binary pumps and an autosampler (1200 series, Agilent). Ten µl of the sample was injected onto a reversed-phase column (Discovery HS C18 150x2.1 mm, 3 µm; Supelco) with a guard column (Discovery HS C18 20x2.1 mm, 3 µm; Supelco), both of which were maintained at 40ºC. The system was operated in positive ionization mode at a flow rate 0.6 ml/min. Solvent A was composed of water with 0.1% formic acid, and solvent B was composed of acetonitrile with 0.1% formic acid. The gradient was from 25% B to 95% B in 35 min, returning to initial conditions in 1 min, and re-equilibration was performed at 25% B for 9 min. Data were collected in positive ESI mode in separate runs on a QTOF (Agilent 6520) operated in full scan mode from 50 to 1000 *m/z*. The capillary voltage was 3000 V with a scan rate of 0.77 scan per second. The gas temperature was 330ºC, the drying gas flow was 10.5 l/min, and the nebulizer was 52 psi. The MS-TOF parameters were the following: fragmentor at 175 V, skimmer at 65 V and octupole radio frequency voltage (OCT RF Vpp) of 750 V. During the analysis, two reference masses were used: 121.0509 ($C_5H_4N_4$) and 922.0098 ($C_{18}H_{18}O_6N_3P_3F_{24}$). These masses were continuously infused into the system to permit constant mass correction. Samples were analyzed in one randomized run, during which time they were kept in the LC autosampler at 4ºC.

Background noise and unrelated ions were removed from the resulting data file using the Molecular Feature Extraction (MFE) tool in the Mass Hunter Qualitative Analysis software (B.04.00, Agilent). Primary data treatment (filtering and alignment) was performed with MassProfiler Professional software (B.02.01, Agilent). The multivariate analyses were performed using SIMCAP+ software (12.0.1.0, Umetrics) to generate a PLS-DA model with all the variables, and QCs were predicted into this model (figure 4A). Data from samples P-

3.1, P-3.3, P-3.4, P-3.5 and P-3.6 were then aligned and filtered by selecting features present in a minimum of 100 % of 1 of 5 groups. These data were then represented in a hierarchical condition tree (HCA) (figure 4D). Finally, t-tests were performed to compare samples FS-0/FS-6, FS-6/FS-11, FS-11/FS-14 and FS-14/FS-40 ($p \leq 0.01$) (figure 4B). The accurate masses of features representing statistically significant differences were searched against the METLIN database and represented in a PLS-DA model built using SIMCAP+ software (figure 4C).

SUPPLEMENTAL DISCUSSION

Apparent oscillatory dynamics of populations

A remarkable increase in the abundance of Lachnospiraceae (28.25%), *Roseburia* (18.29%) and Clostridiales (11.43%) was found at day 3 of treatment. Regarding this, some members of Bacteroidaceae family, as *Bacteroides,* that had an abundance of 16.37% showed a relative high gene expression (90%), noting that no abundant bacteria can be very active at a given moment in the gut. This result supports what was found in the active bacteria analysis where Bacteroidaceae family was very abundant among the active microbiota. At day 6 an increase in Ruminococcaceae family (34.81%) was detected, showing that the first days of treatment were characterized by a dominance of the phylum Firmicutes. In fact, Streptococcaceae, Clostridiaceae, and Eubacteriaceae, previously described as resistant to penicillin and other β-lactams[56,57], presented a relative gene expression of 22.87%, 11.27% and 11.06%, respectively at day 6 of treatment. At day 11 a significant shift to Bacteroidetes was found, specifically in the genus *Parabacteroides* (73.23%) that reached the highest abundance of all samples. The Bacteroidaceae family showed also a high level of gene expression (63.05%) and *Parabacteroides* genus, Porphyromonadaceae family, with a gene expression of 19.82%. Also, it was found a considerable increase in the abundance of Betaproteobacteria (19.82%).

At day 14 there was homogeneity in abundances and in recovery of some taxa, being the most abundant *Bacteroides* (19.15%), Betaproteobacteria (15.75%), Lachnospiraceae (14.56%), Ruminococcaceae (12.01%), *Roseburia* (11.43%) and *Parabacteroides* (11.24%). The expression of genes was almost dominated by Bacteroidaceae family (89.6%). By temporal temperature gradient gel electrophoresis, De La Cohetière *et al.*[13] identified similar dominant taxa during a 5-day β-lactam (amoxicillin) treatment. After treatment, the microbiota was mainly constituted by *Faecalibacterium* (30.5%), Ruminococcaceae (29.24%) and *Bacteroides* (9.4%), being the abundance of Firmicutes phylum higher than before treatment. Interestingly, the taxon more active at gene level was Burkholderiaceae (circa 46%), a member of Proteobacteria phylum, highlighting the importance of groups that are present in low abundance that can have an essential role in some process or that are growing at that time.

The large fluctuations in the relative abundance of the various bacterial taxa for the total and active microbiota throughout the follow-up study may be most likely due to an additive effect of Ampicillin/Sulbactam and the first-generation cephalosporin Cefazolin. Both, Ampicillin and Cefazolin act on Gram-positives and Gram-negatives by cell wall lysis. Widespread development of beta-lactamases among Gram-negatives, e.g. due to PBP modification, results in a better antibiotic effect of Cefazolin against Gram-positives. Having said that, it should be also taken into consideration that Ampicillin/Sulbactam and Cefazolin act on the microbiota mainly because their biliar excretion, and accordingly their concentrations in the upper intestine (where Firmicutes are more abundant) should be higher than in the colonic space. Ampicillin/Sulbactam may increase the effect of Cefazolin on natural beta-lactamase producer populations of the gut (as many Bacteroidetes), and then, most of the time, the attribution of the observed effects may be only attributed to Cefazolin as a single drug. At the same time, Cefazolin may be probably degraded and extensively bound to proteins in the colonic space, reducing the effect on susceptible Gram-negatives at large. It

is likely possible that once beta-lactamase producing organisms are selected by Cefazolin, the local amount of beta-lactamase could eliminate all locally available Cefazolin, thus allowing residual susceptible populations (including Gram-positives as Streptococci, but also other groups) to re-grow, even under therapy. Under this scenario the apparent oscillatory dynamics of populations (both in DNA and RNA) observed might be due to compartmental changes, with early reduction in Gram-negatives, and overall collapse in diversity, possible colonization of the upper gut by naturally-resistant Bacteroidetes, and consequent increased colonization of the lower gut with dominance at 11th -14th days, and then re-growth of Gram-positives. Having said that, since β-lactams interfere with the synthesis of cell-wall peptidoglycans to prevent bacterial growth, the possibility that active fraction of the microbiota is represented by those microorganisms that were 'presumptively' resistant to the administered antibiotics cannot be ruled out; therefore, additional time of treatment would have been required to disrupt the composition of this group. Recently, Nakano *et al.*[32] demonstrated that intestinal *Bacteroides* and *Parabacteroides* genera carry resistance genes for several antibiotics, including β-lactams. Thus, OTUs belonging to *Bacteroides fragilis, Bacteroides dorei, Parabacteroides distasonis* and *Bacteroides ovatus* recovered in FS-11 and FS-14, when the effect of Ampicillin/Sulbactam stopped and only Cefazolin interacted on Gram-positive bacteria of the microbiota. The observed shift in the composition at the 11th day is compatible with the detection at day 6 of bacteria such as *Clostridium*, *Ruminococcus* and *Burkholderia*, which are 'presumptively' resistant to the applied antibiotics. Other potential facultative pathogenic bacteria, which may be possibly selected due to AB treatment, such as those belonging to the genera *Klebsiella*, *Escherichia* and *Salmonella*, were not found at any time of the treatment.

The identification of 3 beta-lactamases, likely attributed to single or several species of Bacteroides such as *B. fragilis*, which were significantly expressed (up to 27-fold) in FS-3,

FS-6 and FS-14 metaproteomes as compared to FS-11 and FS-40 (table 3 in online supplement) may agree with the oscillatory dynamics of populations. Additionally, functional assignments and analysis of the predicted genes further evidenced the presence of 381 beta-lactamases in the consensus metagenome sequences; among them we found 231 being expressed in the faecal microbiota (mRNAs) at different levels before, during and after AB treatment. As shown in figure 13 in online supplement, an apparent oscillatory dynamics of the number of expressed proteins was also observed with early abundance of beta-lactamases being expressed (day 3), then a decrease with a minimum at day 11 and then re-expression at day 14. Only, 9 beta-lactamases were found to be expressed after treatment cessation. Although, beta-lactamases produced by different bacterial species may have quite a distinct substrate specificity and further studies may be required to ascertain their implication in AB resistance, the decrease of abundance of these expressed genes may be directly related to the decrease of abundance and variety of species during the follow-up treatment, namely at day 11 (table 1 and figure 1). The over-abundance of beta-lactamase sequences in the metagenome after treatment cessation (167 or 0.116% of open reading frames), but their low expression level may indicate these genes not being required in the absence of AB and that their over-abundance might be a side-effect of the treatment. Binning analysis further evidenced that in the FS-0, FS-3, FS-11 and F-14 there are mainly Bacteroidaceae expressed beta-lactamases, whereas in FS-40 Burkholderiaceae are most abundant, in agreement with the contribution of these groups to the active community.

Metaproteomic and metametabolomic changes

Results suggest a “presumptive” lower capacity following AB therapy to feed the tricarboxylic acid cycle with intermediates to meet the demand for carbon skeletons for the synthesis of organic acids and amino acids. In addition, results highlight a ‘presumptive’

decrease in the use of glutamate because the expression of glutamate dehydrogenase (COG0334) and decarboxylase (COG0076) was reduced following AB treatment (figure 5). If the flux through glutamate to α-ketoglutarate and glutamate to gamma-aminobutyric acid decreases, it seems logical to presume that the flux through the entire pathway decreases as a consequence of AB treatment. The production of branched-chain fatty acids in the membrane is linked to the turnover of α-ketoglutarate to glutamate by glutamate dehydrogenase (COG0334), and we would expect them to be altered in concert.

A notable additional finding in this study was that it appears that additional AB treatment time is required to activate membrane permeability systems (day 14) as compared to detoxifying drug transport systems (day 3 and 6),[58,59,60] and that antibiotic differentially affected cell wall components of gut bacteria with (lipo)polysaccharides being altered at earlier stages of the therapy while maintaining or improving the glycero(lyso)phospholipids, murein sacculus and peptidoglycan biosynthesis during the follow-up treatment. This is in agreement with the observed early activation in Gram-positive bacterial families, such as Streptococcaceae and Clostridiaceae, and the reduction in Gram-negatives.

SUPPLEMENTAL REFERENCES

37. **Ott SJ**, Musfeldt M, Wenderoth DF, *et al*. Reduction in diversity of the colonic mucosa associated bacterial microflora in patients with active inflammatory bowel disease. *Gut* 2004;**53:**685-93.

38. **Morrissey DV**, Collins ML. Nucleic acid hybridization assays employing dA-tailed capture probes. Single capture methods. *Mol Cell Probes* 1989;**3:**189-207.

39. **Urich T**, Lanzén A, Qi J, *et al*. Simultaneous assessment of soil microbial community structure and function through analysis of the meta-transcriptome. *PloS One* 2008;**3:**e2527.

40. **Altschul SF**, Gish W, Miller W, *et al*. Basic local alignment search tool. *J Mol Biol* 1990;**215:**403-10.

41. **Schloss PD**, Westcott SL, Ryabin T, *et al*. Introducing mothur: open-source, platform-independent, community-supported software for describing and comparing microbial communities. *Appl Environ Microbiol* 2009;**75:**7537-41.

42. **Legendre P**, Gallagher E. Ecologically meaningful transformations for ordination of species data. *Oecol* 2001;**129:**271-80.

43. **Shanon CE.** A mathematical theory of communication. *Bell Syst Tech J* 1948;**27:**379-423.

44. **Chao A.** Nonparametric estimation of the number of classes in a population. *Scand J Stat* 1984;**11:**256-70.

45. **Chao A**, Hwang WH, Chen YC, *et al*. Estimating the number of shared species in two communities. *Stat Sinica* 2000;**10:**227-46.

46. **Caporaso JG**, Kuczynski J, Stombaugh J, *et al*. QIIME allows analysis of high-throughput community sequencing data. *Nat Methods* 2010;**7:**335-6.

47. **R Development Core Team**. R: A language and environment for statistical computing. R Foundation for Statistical Computing, Vienna, Austria. ISBN 3-900051-07-0. 2011; http://www.R-project.org/.

48. **Salzberg SL**, Delcher AL, Kasif S, *et al*. Microbial gene identification using interpolated Markov models. *Nucleic Acids Res* 1998;**26:**544-8.

49. **Huson DH**, Auch AF, Qi J, *et al*. MEGAN analysis of metagenomic data. *Genome Res* 2007;**17:**377-86.

50. **Oksanen J**, Blanchet FG, Kindt R, *et al*. Vegan: Community Ecology Package. R package version 1.17-9. 2011; http://CRAN.R-project.org/package=vegan

51. **Bradford MM**. A rapid and sensitive method for the quantitation of microgram quantities of protein utilizing the principle of protein-dye binding. *Anal Biochem* 1976;**72:**248-54.

52. **Laemmli UK.** Cleavage of structural proteins during the assembly of the head of bacteriophage T4. *Nature* 1970;**227**:680-5.

53. **Jehmlich N**, Schmidt F, Hartwich M, et al. Incorporation of carbon and nitrogen atoms into proteins measured by protein-based stable isotope probing (Protein-SIP). *Rapid Commun Mass Spectrom* 2008;**22:**2889-97.

54. **Bastida F**, Rosell M, Franchini AG, *et al*. Elucidating MTBE degradation in a mixed consortium using a multidisciplinary approach. *FEMS Microbiol E*col 2010;**73:**370-84.

55. **Cox J**, Mann M. MaxQuant enables high peptide identification rates, individualized p.p.b.-range mass accuracies and proteome-wide protein quantification. *Nat Biotechnol* 2008;**26:**1367-72.

56. **Denève C**, Bouttier S, Dupuy B, *et al*. Effects of subinhibitory concentrations of antibiotics on colonization factor expression by moxifloxacin-susceptible and moxifloxacin-resistant *Clostridium difficile* strains. *Antimicrob Agents Chemother* 2009;**53:**5155-62.

57. **Cornick JE**, Bentley SD. *Streptococcus pneumoniae*: the evolution of antimicrobial resistance to beta-lactams, fluoroquinolones and macrolides. *Microbes Infect* 2012;**14:**573-83.

58. **Baquero F.** Gram-positive resistance: challenge for the development of new antibiotics. *J Antimicrob Chemother* 1997;**39**(Suppl A):1-6.

59. **Schmieder R**, Edwards R. Insights into antibiotic resistance through metagenomic approaches. *Future Microbiol* 2012;**7:**73-89.

60. **Doerrler WT.** Lipid trafficking to the outer membrane of Gram-negative bacteria. *Mol Microbiol* 2006;**60:**542-52

SUPPLEMENTAL FIGURE LEGENDS

Supplemental figure 1 Heat map and hierarchical cluster based on the relative abundance of each bacterial taxon and the composition of the total (16SrDNA) and active (16SrRNA) microbiota. Colors depict the percentage ranges of sequences assigned to the main taxa (abundance >1% in at least one sample).

Supplemental figure 2 Correspondence analysis of total (DNA) and active (RNA) microbiota based on the relative abundance of each taxon per sample.

Supplemental figure 3 PCA of the Hellinger transformed OTU abundances for the samples FS-0 to FS-40.

Supplemental figure 4 Distribution of prominent OTUs and their abundance identified by OTU vector length in the PCA.

Supplemental figure 5 Clusters of genes based on their expression profile during antibiotic treatment. “n” corresponds to the number of genes included in each cluster.

Supplemental figure 6 Relative abundance of functional categories exhibiting a statistically significant change due to AB treatment. These categories were obtained from a regression analysis based on a Poisson model, considering the sampling time during the antibiotic course.

Supplemental figure 7 Correspondence analysis based on the relative proportion of functional categories showing a statistically significant change due to AB treatment.

Supplemental figure 8 Distribution of common and distinct mass features identified in the gut communities of the human gut microbiota during and after AB treatment. Clustering was performed with a matrix of the 382 accurate masses representing significant differences from each sample. The number of mass features identified in the corresponding sample(s) is shown at the bottom. The black color indicates the presence of mass features in a given sample, whereas the white color represents the absence of such features. As shown, only 29 of 382 features were identified in all of the gut samples examined in this study, and 8, 9, 6, 14 and 80 were uniquely obtained in the FS-0, FS-6, FS-11, FS-14 and FS-40 samples, respectively

Supplemental figure 9 Number of mass features that passed the filtering and statistical treatments and were found in microbial cells from faecal samples in this study.

Supplemental figure 10 Distribution of the common and distinct proteins found in the gut communities of the human gut microbiota during AB treatment. Clustering was performed with a matrix of the total protein that has passed the filtering treatment for each sample. The number of proteins identified in the corresponding sample(s) is shown at the bottom. The black color indicates the presence of proteins in a given sample, whereas the white color represents the absence of such proteins. Note: a total of 3,011 proteins (FS-0: 2,802; FS-3: 2,429; FS-6: 2,696; FS-11: 2,044; FS-14; 2,716; and FS-40: 2,289) were unambiguously quantified using GeLC-MS/MS approaches. Only 11 (FS-0), 2 (FS-3), 4 (FS-6), 11 (FS-11), 2 (FS-14) and 16 (FS-40) were community-specific, whereas 1,359 (or 45%) conformed the common set. As shown, 1359 proteins were found to be expressed in all of the gut samples examined in this study.

Supplemental figure 11 Correspondence analysis based on the relative proportion of functional categories exhibiting a statistically significant metaproteome change due to AB treatment. (A) CA for the COG categories where CA1 explains the 33% of the variance and CA2 the 28%. (B) Clustering of the samples based on type and abundance of expressed proteins, applying the Pearson's correlation to calculate the distances. Note: the clustering analysis is based on the type and abundance of the 494 distinct Clusters of Orthologous Groups (COG) identified.

Supplemental figure 12 Metabolomic-based model of the response of the human gut to antibiotic treatment. Schematic representation of distinct mass feature profiles based on the abundance level in bacterial cells from the faecal samples investigated in this study. Features were grouped based on the metabolite class, and the average corrected intensity values were calculated. Group 1: fatty acids (18), sphingolipids (1), glycerolipids (2), glycerophospholipids – LPA (1), sterol lipids – alkaloid (1); Group 2: fatty acid aldehyde/alcohol (1), sphingolipid (1), glycero(lyso)phospholipids – LysoPE/PA/PC/PE, fatty acid carnitine (2), fatty acid ethanolamide (1); Group 3: fatty acid ethanolamide (1), sterol lipid – D3/bile acid/cholesterol (4), prostaglandin derivative (2), unsaturated fatty acid (1); Group 4: sphingolipid (1), sterol lipid – D3/bile acid/cholesterol (1); Group 5: sterol lipid – corticoid (1). The number of metabolites per class is indicated in brackets.

Supplemental figure 13 Number of genes having close sequence similarity to genes that encode beta-lactamases found in metagenomes of microbial cells from faecal samples in this study that were found to be expressed (mRNAs). Functional assignment of predicted genes encoding beta-lactamases was performed via BLASTP analysis against the NCBI-nr database for similar sequences. All hits with an E-value of less than e^{-05} and sequence homology ≥50%

were considered and manually analyzed. As a result, out of 401,555 sequences (FS-0: 83,622; FS-3: 63,159; FS-6: 58,853; FS-11: 19,267; FS-14: 33,288; FS-40: 143,366), 381 distinct beta-lactamase proteins (FS-0: 55 or 0.065% total open reading frames; FS-3: 69 or 0.109%; FS-6: 52 or 0.088%; FS-11: 11 or 0.057%; FS-14: 27 or 0.081%; FS-40: 167 or 0.116%) were identified. Among them 231 distinct genes were found to be expressed in the faecal microbiota (mRNAs) at different levels before, during and after AB treatment. The total number and relative percentage (referred to the total number of expressed beta-lactamases: 231) of expressed genes coding beta-lactamases is shown on the left and right, respectively.

SUPPLEMENTAL TABLES LEGENDS

Supplemental table 1 Summary of the metagenomic and metatranscriptomic data for each sample collection time.

Supplemental table 2 Putative metabolites of microbial gut communities identified and quantified by metabolomic approaches. For differential quantitative metabolomics we compared the metabolomes of bacterial cells from gut samples by evaluating the peak area from the chromatographic peaks.

Supplemental table 3 Proteins of microbial gut communities identified and quantified by metaproteomic approaches. The metaproteomes were investigated via 1-dimensional (1-DE) gel-based pre-separation of proteins and subsequent tryptic digestion and fractionation and identification of the resulting peptides using a nano-UPLC system coupled to an LTQ-Orbitrap mass spectrometer, where the DNA metagenome sequences served as templates. Based on the criteria established in the methods section, proteins were unambiguously identified using the annotation pipeline. Normalized *per protein* intensities were calculated as

the average of *per peptide* intensities in the replicates. These *per peptide* intensities were summed, and the relative concentrations of the individual proteins were calculated by dividing the *per protein* intensities by the averages of the *summed* intensities. Protein descriptions as follows: “>FS-0”, “>FS-3”, “>FS-6”, “>FS-11”, “>FS-14” and “>FS-40” refers to proteins from samples FS-0, FS-3, FS-6, FS-11, FS-14 and FS-40, respectively. For more details, please contact authors directly. Full protein sequences can be obtained in the European Bioinformatics Institute database, under accession number ERP001506.

SUPPLEMENTAL TABLES

Supplemental Table 1 Summary of the metagenomic and metatranscriptomic data for each sample collection time.

	FS-0	FS-3	FS-6	FS-11	FS-16	FS-40
Metatranscriptome (reads)	76374	60253	72691	66093	51349	5751
Metagenome (reads)	44653	519776	53893	29156	54901	126639
mRNA (reads)	40517	37107	50952	40785	28787	4635
TIGRFAM (reads)	29014	26120	13115	27461	19240	1968

Supplemental Table 2 Putative metabolites of microbial gut communities identified and quantified by metabolomic approaches.

Mass	RT	FS-0	FS-6	FS-11	FS-14	FS-40	Formula	% IP	Type of metabolite	Name
184.1462	23.20	20289	362828	3501	61896	256773	C11H20O2	99.6	Fatty acid (unsaturated)	Citronellyl formate / Dimethyl-nonenoic acid / Ethyl-methyl-octenoic acid / Hendecenoic acid / Nonenyl acetate / Undecanolactone / Undecenoic acid
184.1464	31.61	1	5401	1	1	22103	C11H20O2	55.0	Fatty acid (unsaturated)	Citronellyl formate / Dimethyl-nonenoic acid / Ethyl-methyl-octenoic acid / Hendecenoic acid / Nonenyl acetate / Undecanolactone / Undecenoic acid
200.1776	21.87	22290	39301	23294	28811	58374	C12H24O2	86.2	Fatty acid (saturated)	Decyl acetate / Isolauric acid / Lauric acid / Methyl-undecanoic acid
210.162	24.31	1	6516	1	1	27879	C13H22O2	80.9	Fatty acid (unsaturated)	Tridecadienoic acid / Tridecynoic acid
224.1777	24.31	1	4125	1	1	46480	C14H24O2	82.1	Fatty acid	3,4-tetradecadienoic acid / Alepric acid / Dodecadienyl acetate / Myristic acid alkyne / Oxo-tetradecenal / Tetradecadienoic acid / Tetradecynoic acid
236.2138	18.63	1	29516	1	1	48648	C16H28O	92.5	Fatty acid	Hexadecadienal / Hexadecatrienol / Hexadecenynol / Hexadecynal
262.2294	26.27	1	4631	1	1	85210	C18H30O	-	Fatty acid	Ladderane-hexanol / Octadecatrienal
262.2297	28.67	7005	33057	1	15204	276997	C18H30O	-	Fatty acid	(hydroxypropanyl)-isolongifolene / (methoxyethyl)-isolongifolene / Ladderane-hexanol / Octadecatrienal
262.2298	25.68	1	1	27467	1	143620	C18H30O	99.1	Fatty acid	(hydroxypropanyl)-isolongifolene / (methoxyethyl)-isolongifolene / Ladderane-hexanol / Octadecatrienal
264.2452	28.70	1	15738	5211	1	84131	C18H32O	-	Fatty acid	(hydroxypropanyl)-isolongifolane / Octadecadienal / Octadecatrienol
264.2453	23.20	277000	2905113	28579	566782	2079951	C18H32O	99.5	Fatty acid	(hydroxypropanyl)-isolongifolane / Octadecadienal / Octadecatrienol
266.2607	32.05	10797	11314	4565	14001	1	C18H34O	97.8	Fatty acid (aldehyde/alcohol)	Octadecadienol / Octadecenal
268.2403	20.95	1	24350	1	11401	26852	C17H32O2	86.3	Fatty acid	Cyclohexylundecanoic acid / Heptadecenoic acid / Heptadecylenic acid / Hexadecenoic acid methyl ester / Methyl-hexadecenoic acid / Pentadecenyl acetate
280.2401	28.86	13954	52274	16722	1	844063	C18H32O2	75.3	Fatty acid (unsaturated)	Chaulmoogric acid / Conjugated linoleic acid / Hexadecadienyl acetate / Hexadecynyl acetate / Linoelaidic acid / Linoleic acid / Malvalic acid / Methyl-heptadecadienoic acid / Octadecadienoic acid / Octadecynoic acid / Stearolic acid / Trans-octadecadienoic acid
282.256	23.20	823175	8655754	304502	1689218	6242216	C18H34O2	99.3	Fatty acid (unsaturated)	Cycloheptylundecanoic acid / Elaidic acid / Hexadecenyl acetate / Methyl-heptadecenoic acid / Octadecenoic acid / Octadecylenic acid / Oleic acid / Palmitoleic acid ethyl ester / Petroselaidic acid / Petroselinic acid / Vaccenic acid
287.2825	13.52	1	46058	1	30733	5538	C17H37NO2	83.1	Sphingolipid	C17 Sphinganine
294.2195	20.66	1	1	1	1	12406	C18H30O3	88.5	Fatty acid (unsaturated)	(hexylfuranyl)-octanoic acid / Colneleic acid / Dihydro-oxo-phytoenoic acid / EpODE / Epoxy-octadecadienoic acid / HOTE / HOTrE / Hydroxy-linolenic acid / Hydroxy-octadecatrienoic acid / Hydroxy-octadecenynoic acid / Kamlolenic acid / Keto-octadecadienoic acid / Oxo-octadecadienoic acid / Oxo-octadecynoic acid / OxoODE / Oxo-phytoenoic acid
296.2353	22.43	1	9430	1	1	33171	C18H32O3	86.2	Fatty acid (unsaturated)	Artemisic acid / Avenoleic acid / Densipolic acid / Dimorphecolic acid / EpOME / Epoxy-octadecenoic acid / HODE / Hydroxy-linoleic acid / Hydroxy-octadecadienoic acid / Hydroxy-octadecynoic acid / Keto-octadecenoic acid / Methoxy-methyl-hexadecadienoic acid / Oxo-octadecenoic acid / Oxo-pentyl-cyclopentaneoctanoic acid / Vernolic acid
297.303	18.65	1	1	1	17162	4078	C19H39NO	-	Fatty acyl ethanolamide	Palmitoyl N-Isopropylamide
298.251	24.31	31755	741682	15881	65783	2080169	C18H34O3	96.2	Fatty acid	Epoxy-octadecanoic acid / Epoxy-stearic acid / Hydroxy-octadecenoic acid

										/ Hydroxy-oleic acid / Keto-stearic acid / Methyl-oxo-heptadecanoic acid / Oxo-octadecanoic acid / Ricinelaidic acid / Ricinoleic acid / Trimethyl-dodecadienoic acid
299.2825	14.73	330574	188524	73969	139384	3376	C18H37NO2	99.0	Sphingolipid	Amino-octadecanoic acid / Aminooctadecenediol / Hydroxy-sphingosine / Ketosphinganine / Palmitoyl ethanolamide / Sphingosine
299.2827	16.37	120874	102452	78053	593343	24627	C18H37NO2	98.2	Fatty acid carnitine	Amino-octadecanoic acid / Aminooctadecenediol / Hydroxy-sphingosine / Ketosphinganine / Palmitoyl ethanolamide / Sphingosine
300.1111	3.98	1	1	1	17697	1	C16H16N2O4	57.7	Nitro-phenylpropylaminobenzoic acid	Nitro-phenylpropylaminobenzoic acid
300.2663	23.20	86097	2214730	1	230241	1507505	C18H36O3	90.6	Fatty acid (saturated)	Hydroxy-methyl-heptadecanoic acid / Hydroxy-octadecanoic acid / Hydroxy-stearic acid
325.2979	26.40	51360	192919	115476	123459	9127	C20H39NO2	84.5	Fatty acyl ethanolamide	Oleoyl ethanolamide
343.3086	24.32	1	21210	1	1	58112	C20H41NO3	74.3	Sphingolipid	Dihydroceramide C2
354.2768	26.25	1	1	1	1	430139	C21H38O4	-	Glycerolipid/Prostaglandin/Fatty acid	Ceriporic acid B / Linoleoyl glycerol / MG (0:0/18:2/0:0) / MG (18:2/0:0/0:0) / PGF2 Alcohol methyl ether
354.2773	25.68	1	1	116225	1	564843	C21H38O4	98.2	Glycerolipid/Prostaglandin/Fatty acid	Ceriporic acid B / Linoleoyl glycerol / MG (0:0/18:2/0:0) / MG (18:2/0:0/0:0) / PGF2 Alcohol methyl ether
356.2925	28.65	1	1	4042	1	772119	C21H40O4	89.1	Glycerolipid	Heneicosanedioic acid / MG (0:0/18:1/0:0) / MG (18:1/0:0/0:0)
358.2869	21.46	1687	35548	1	1	373172	C24H38O2	98.6	Sterol lipid	Bufanolide skeleton / Cholenoic acid / Hyrtial / Ladderane-dodecanoic acid
358.2873	19.51	1	1	1	1	61030	C24H38O2	-	Sterol lipid	Bufanolide skeleton / Cholenoic acid / Hyrtial / Ladderane-dodecanoic acid
372.2666	23.93	1	1	1	1	17252	C24H36O3	-	Sterol lipid	Cholacalcioic acid / Trinorvitamin D3 carboxylic acid / Trinorcholecalciferol carboxylic acid / Hydroxycholadienoic acid / Oxocholenic acid / Oxocholenoic acid
372.2667	11.56	523082	322577	382758	173663	50527	C24H36O3	99.9	Sterol lipid	Cholacalcioic acid / Trinorvitamin D3 carboxylic acid / Trinorcholecalciferol carboxylic acid / Hydroxycholadienoic acid / Oxocholenic acid / Oxocholenoic acid
393.1896	24.32	1	9517	1	1	54483	C19H27N3O6	60.1	Peptide	Asp Ile Phe / Asp Leu Phe / Asp Phe Ile / Asp Phe Leu / Glu Phe Val / Glu Val Phe / Ile Asp Phe / Leu Asp Phe / Phe Glu Val
394.2152	31.06	125587	230574	133616	153433	147468	C22H31FO5	52.8	Sterol lipid	Dihydrodexamethasone
394.2483	31.37	1	16953	1	1	67334	C19H39O6P	73.9	Glycerophospholipid (plamalogen)	LPA (P-16:0e/0:0)
397.1738	24.31	1	20273	1	1	51258	C19H27NO8	83.4	Fatty acyl glucuronide	Diethylpropion (metabolite V-glucuronide)
397.3345	6.86	2258	3945	1	1	735546	C27H43NO	99.3	Sterol lipid	Solanidine / Verazine
399.3349	18.25	5541	45983	83227	96855	30422	C23H45NO4	82.8	Fatty acid carnitine	Palmitoyl-carnitine
399.3499	7.58	1	1	1	1	29532	C27H45NO	98.8	Sterol lipid	Demissidine / Spirosolane skeleton
409.319	16.22	1	1	1	1	166856	C24H43NO4	98.9	Fatty acid (prostaglandin derivative)	Lumula / PGF2 diethyl amide
439.2701	18.00	17665	60176	61916	167517	42281	C20H42NO7P	91.3	Glycero(lyso)phospholipid	LysoPE (0:0/15:0) / LysoPE (15:0/0:0) / PA (17:1/0:0) / PC (12:0/0:0)
444.3606	29.13	1	1	1	1	136523	C29H48O3	75.1	Sterol lipid	Carboxy-methyl-cholestaenol / Dihydroxy-dihomo-epivitamin D3 / Dihydroxy-dihomo-epicholecalciferol / Dihydroxy-dihomovitamin D3 / Dihydroxy-dihomocholecalciferol / Dihydroxy-dimethylvitamin D3 / Dihydroxy-dimethylcholecalciferol / Ethyl-dihydroxyvitamin D3 / Ethyl-dihydroxycholecalciferol / Hydroxy-methyl-cholestene-carboxylic acid
453.2854	20.01	101857	253926	128077	594140	228176	C21H44NO7P	99.9	Glycero(lyso)phospholipid	Glycerophospho-N-palmitoyl ethanolamine / LysoPE (0:0/16:0) / PE (16:0/0:0)
495.3324	19.41	5972	1	74426	42252	1	C24H50NO7P	99.8	Glycero(lyso)phospholipid	LysoPC (16:0) / PC (16:0/0:0)
495.3327	20.19	262254	109518	2658276	989897	30635	C24H50NO7P	99.8	Glycero(lyso)phospholipid	LysoPC (16:0) / PC (16:0/0:0)

519.3323	18.64	2257	6027	19420	10683	1	C26H50NO7P	77.4	Glycero(lyso)phospholipid	Linoleoylglycerophosphocholine / LysoPC (18:2)
521.3478	21.14	1	3442	46255	20110	1	C26H52NO7P	96.7	Glycero(lyso)phospholipid	LysoPC (18:1) / PC (18:1/0:0) / PC (O-16:1/2:0)
640.5066	32.02	1	37727	64674	1	84188	C41H68O5	78.5	Glycerolipid	DG (16:0/22:6/0:0) / DG (16:1/22:5/0:0) / DG (18:1/20:5/0:0) / DG (18:2/20:4/0:0) / DG (18:3/20:3/0:0) / DG (18:4/20:2/0:0) / DG (20:2/18:4/0:0) / DG (20:3/18:3/0:0) / DG (20:4/18:2/0:0) / DG (20:5/18:1/0:0) / DG (22:5/16:1/0:0) / DG (22:6/16:0/0:0)

Supplemental table 3 Proteins of microbial gut communities identified and quantified by metaproteomic approaches. The metaproteomes were investigated via 1-dimensional (1-DE) gel-based pre-separation of proteins and subsequent tryptic digestion and fractionation and identification of the resulting peptides using a nano-UPLC system coupled to an LTQ-Orbitrap mass spectrometer, where the DNA metagenome sequences served as templates. Based on the criteria established in the methods section, proteins were unambiguously identified using the annotation pipeline. Normalized *per protein* intensities were calculated as the average of *per peptide* intensities in the replicates. These *per peptide* intensities were summed, and the relative concentrations of the individual proteins were calculated by dividing the *per protein* intensities by the averages of the *summed* intensities. Protein descriptions as follows: ">FS-0", ">FS-3", ">FS-6", ">FS-11", ">FS-14" and ">FS-40" refers to proteins from samples FS-0, FS-3, FS-6, FS-11, FS-14 and FS-40, respectively. For more details, please contact authors directly. Full protein sequences can be obtained in the European Bioinformatics Institute database, under accession number ERP001506.

Protein descriptions	Average intensity peptides per protein (FS-0)	Average intensity peptides per protein (FS-3)	Average intensity peptides per protein (FS-6)	Average intensity peptides per protein (FS-11)	Average intensity peptides per protein (FS-14)	Average intensity peptides per protein (FS-40)
>FS-40_63255;>FS-0_21246;>FS-14_30403	300528323.8	5621.255618	47957191.13	0	48952867.72	16730728.6
>FS-40_9471	117378937.9	19864.87882	2045399.413	27086.38923	2844678.495	34876669.8
>FS-6_36664;>FS-3_37726	21061645.03	3856.676397	994432.2644	0	7489355.578	2728771.75
>FS-40_12029;>FS-40_48065;>FS-0_32024	89757977.08	17660.44186	413852.7582	226602.2262	33016.15294	221374.997
>FS-0_37101;>FS-40_59096	61514013.49	16525.48708	5669168.878	2902387.673	32003102.87	3670377.07
>FS-40_11794;>FS-40_31481	73851648.25	20031.28452	3189448.854	136458.2702	18626176.08	23892583.2
>FS-40_87912	257158904.5	99155.83528	0	0	1817843.845	4361686.44
>FS-40_77092	109059837.1	44670.12672	3055022.644	0	13715332.73	1555137.88
>FS-0_38665	17748850.98	8223.104182	15707.20741	147919.9013	162322.228	12326107.4
>FS-40_71178	57319878.73	31969.7703	6362358.941	7019.813178	9693343.445	61576563.5
>FS-40_101786;>FS-6_2689;>FS-0_21551	781758135.3	613508.2914	0	0	10450659.38	11355318.5

>FS-40_29712	17888609.16	15309.57187	0	0	0	1405081.34
>FS-40_68600	505341637.5	439007.2517	32527596.3	3972287.448	9614516.87	49764846.9
>FS-0_24132	115840604.3	109792.0545	39559890.92	235702.6164	12113886.18	67298257.7
>FS-6_623	6163590.555	6469.972471	960019.3552	2035492.892	29684.5558	3854239.71
>FS-40_113893;>FS-40_113763	68305733.62	72877.4689	2241877.703	1974322.456	422864.0228	10246251.3
>FS-40_506;>FS-0_56534	27890900.84	30478.07591	433701.0593	0	218629.5669	0
>FS-40_75771	113534705.2	130433.2191	14253510.97	2143334.091	20615344.38	63600710.8
>FS-14_24867;>FS-40_11606	134131327.3	195283.9268	12003209.8	0	627742.6766	510850.024
>FS-40_1500	403126752.4	635987.4974	35757543.66	0	25397290.65	78361452.4
>FS-40_76920;>FS-40_10442	41754690.22	67272.11653	3987572.35	3262940.054	0	1328101.17
>FS-40_63777;>FS-3_23791	82311980.85	146078.8146	4988992.739	917895.583	29309843.45	8061696.54
>FS-40_75122;>FS-40_107650	245749330.7	442561.7776	60668206.07	41106.56082	59551363.26	4759546.21
>FS-0_26175;>FS-40_72035;>FS-40_13861;>FS-40_93816	331799259.9	605244.5742	1146664.445	2579209.123	24167964.88	18857326.8
>FS-40_62642	716626343.5	1345466.246	162720374.1	0	206863477.6	23124458.3
>FS-40_13499	111748158	210804.5751	9294321.73	0	7407796.801	121941161
>FS-40_61506	15047155.16	28561.35097	969927.7804	0	866827.7403	579227.581
>FS-40_28564	250603573.6	481662.6242	15954702.62	0	4850382.17	115724439
>FS-0_21371;>FS-40_69869;>FS-40_67593;>FS-40_43146	53609260.72	105335.8567	15201209.62	99806.26008	6779788.833	0
>FS-40_15795	61179545.29	125981.7192	8389362.469	0	180196711.8	7051821.11
>FS-0_65035	340346059.6	770280.0218	13158744.91	16153.28223	5235816.431	43921826
>FS-40_1639	337459355.3	764591.2077	33933957.66	0	7252143.523	1819062.28
>FS-14_25740	504567798.3	1160339.082	22356755.26	0	20064595.07	100048553
>FS-40_79812	37022749.46	86590.6384	4019959.208	0	2667412.697	21446269.4
>FS-40_7228	499728594.4	1210823.961	10532083.66	736153.2575	2622306.923	52809868.3
>FS-0_2114	40425249.88	103486.8257	1334126.982	0	12655913.29	5162549.78
>FS-40_104458;>FS-40_6982	91738418.95	237176.9634	2784552.024	187457.8561	73546.32123	13514714.2
>FS-40_126219	642055623.2	1710267.919	115174002.2	564384.2884	252475546.8	42022565.6
>FS-40_69595;>FS-14_12981	92966417.87	253394.15	25132258.83	0	67819456.35	111197800
>FS-40_50287	62238379.58	171801.8601	7282932.332	0	3466784.409	1969681.86
>FS-0_295	70074172.76	194717.1378	7259498.404	0	330044.8821	207033217
>FS-0_493;>FS-40_101444	140145137.1	426462.7958	5247120.775	248299.7279	25896745.61	4398341.77
>FS-14_25127;>FS-40_69746	28343613.6	87145.53125	459673.5274	3574342.324	43386.54215	420757.572
>FS-40_105094;>FS-0_20549;>FS-40_54456	138571414.1	441019.2506	1455106.865	1463769.243	1777962.203	0
>FS-40_58813;>FS-3_52878	35883894.29	117472.4044	10204998.43	0	52907207.01	8336902.73
>FS-40_121363;>FS-40_56238	446392458.9	1462602.642	58390122	0	4156364.354	419688964

>FS-6_56452;>FS-0_68024;>FS-6_20216	345174531.7	1132860.577	3686878.062	0	8847530.408	9414198.47
>FS-40_67942;>FS-14_15517	59615419.66	196464.1394	9332122.639	343208.7559	70724.07262	0
>FS-40_120253	28765994.37	96103.02361	4526545.972	2359716.465	5787824.215	130515283
>FS-40_15610;>FS-40_73572	432090042.4	1472575.259	224387998.9	154192675.4	45692291.84	492452819
>FS-40_58780	107217378.8	366995.8877	1541848.082	0	4624877.78	123784697
>FS-14_10396	200602732.2	706979.6153	14265800.2	0	3890211.519	2620416.96
>FS-40_92808	31964648.18	114322.2552	6610565.188	0	38589996.96	0
>FS-40_62515;>FS-14_9905	61288723.59	224619.7947	3605824.203	6343886.841	18203891.78	0
>FS-40_32658	10499096.98	38954.18938	270747.1011	0	3656528.487	17022792.8
>FS-40_1183	139673653.5	532566.4384	36893969.58	4883253.307	11147536.31	6876725.83
>FS-40_63400	108011246.3	425414.6163	14361839.93	476339.6738	1488011.287	16797173.9
>FS-40_721;>FS-40_6335	37766171.32	149541.9305	17369133.58	282995.9088	22908819.31	6927990.07
>FS-40_1835	60796890.33	243934.5131	2900951.086	586964.7274	2445539.717	755237.908
>FS-40_72821	666577110.3	2957208.223	2273725.863	0	7399087.352	367867284
>FS-40_19446;>FS-40_90630	31526455.02	149230.5257	5241208.813	14328.54101	15790948.26	3893532.29
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>FS-40_63656	49710214.37	241061.108	3201377.174	0	0	7862562.15
>FS-11_8564	7384556.577	36300.54314	25170474.1	30131147.67	463406.1578	1774911.89
>FS-6_27247	59571443.75	301510.2327	59094973.27	0	15245121.7	28784576.8
>FS-40_49032;>FS-40_83778	27633942.32	141962.6925	10372569.1	158719.4101	5225998.048	34343641.3
>FS-40_14399	273339111.6	1453849.698	21723346.86	0	94999900.07	0
>FS-40_12791;>FS-40_41026;>FS-40_33487	148501649.5	791169.1867	6309666.637	563886.0824	5381438.368	42684117.1
>FS-40_32481;>FS-0_26321	60642536.06	327661.4474	3526915.165	0	0	107267592
>FS-40_42628	703891234.3	3833636.026	12028107.38	4203080.812	3709534.027	55525990.5
>FS-40_74894	67668747.83	381406.7724	11723644.18	1264286.791	37849012.76	0
>FS-6_39152	20031705.77	113217.6798	4094719.687	0	0	1465072.37
>FS-40_72447	80581685.6	457448.9575	10927814.96	43886.33567	58665331.87	86718742.6
>FS-14_8613	57896547.15	331344.3803	1216245.472	0	740166.7863	2412980.66
>FS-40_77811;>FS-40_72155	217082600.8	1260968.111	16126849.84	528934.6043	3438053.008	369456551
>FS-40_111054;>FS-14_21442	116961535.2	684021.0729	17066471.46	0	105718604.1	2668688.16
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>FS-40_98445	252719211.5	1540805.177	18933156.98	0	6167797.124	31557805.7
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>FS-0_78546;>FS-0_19977	277024560.1	1773238.923	17390827.81	47603.9724	21917191.15	116062624
>FS-40_62219	35807097.42	229355.8387	6131192.665	1602032.16	1246233.142	56538467.1
>FS-14_5713;>FS-40_85731	282063515.2	1821103.624	22925582.09	0	10610141.52	427575043
>FS-0_65819;>FS-0_65300	31619952.24	208116.0801	2330065.982	2865345.286	6273107.434	17362857.9
>FS-40_663;>FS-0_57243	41044051.07	271772.45	14851523.24	0	19622851.36	12824503.5
>FS-40_2157	99938474.39	667070.3033	2440416.992	32945.62549	6248157.924	1285345.96
>FS-40_98595	502022481.9	3526764.346	20183853.26	4935635.771	24622265.59	2629430509
>FS-40_106506;>FS-40_96079	546953568.7	3916253.673	65152495.68	451647.695	239988256.7	22584272.6
>FS-40_61690;>FS-3_37537	28730803.33	210800.6674	351168.8693	237599.6113	4591644.962	0
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>FS-40_76438	42677603.23	324318.1097	1011537.47	0	14090447.16	107468.488
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>FS-40_111695;>FS-0_59736;>FS-0_33171	107026821.3	918699.3586	69918372.33	0	13012070.33	279288138
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>FS-6_57099;>FS-40_58625;>FS-6_34361	54474091.77	468964.1014	14132396.39	1233987.08	6757117.215	209771641
>FS-40_25188;>FS-40_15400;>FS-40_12836	90275692.54	783532.1497	17134877.71	1380520.675	46253535.49	1301356.7
>FS-0_57368;>FS-40_101502	26045656.91	226148.8173	2464559.603	466042.0694	2096537.298	3155235.96
>FS-40_109711	33117086.79	289460.3057	3626710.94	0	4656275.73	12876121.5
>FS-40_686	80692090.49	707642.1841	1573425.355	0	5774469.696	2948308.25
>FS-40_94318;>FS-40_113308;>FS-0_23797;>FS-0_79124	84275017.99	740269.5018	2559471.909	0	10126659.18	7456439.16
>FS-40_63539	218998303.5	1927246.382	23940978.18	5047111.254	76673271.96	15098882.1
>FS-0_60935	84504475.01	744080.9786	7812670.554	535207.0865	6591615.015	374712342
>FS-40_63891	113289416.8	1008821.506	19032177.74	0	60096945.02	1058459.34
>FS-40_102068;>FS-3_51585	298182243.4	2738041.254	42111888.24	1361577.846	6551116.888	484520985
>FS-40_63677;>FS-0_62528	62776270.37	588396.3522	8320569.172	5097692.846	351276.2822	71810510.2
>FS-40_62401	397667078.2	3827412.11	85049288.12	70065215.09	101680173.9	2203406.98
>FS-40_62085	517864049.4	5107802.107	13371535.24	2212828.416	8701510.357	64892748.3
>FS-40_86981	47674969.52	471403.4466	4967534.403	0	17534859.28	46357699.2
>FS-6_22411	21883975.38	217822.7973	340318.4797	0	684487.676	186014856

>FS-40_33518;>FS-40_86634;>FS-3_5915;>FS-3_4918	98803216.31	984383.3785	3419119.729	4257051.604	47888944.29	4462066.21
>FS-40_78717	36157299.55	363115.6341	35756737.98	55689722.62	22414758.27	25590309.5
>FS-40_27231;>FS-40_83132;>FS-40_93088;>FS-40_112455;>FS-0_21766	14589952.34	148922.2993	620862.6794	0	560904.2161	0
>FS-40_107125	71437884.86	756881.6621	10644426.66	98522.39514	0	0
>FS-40_86607	63409508	673097.8289	4628141.145	0	15100942.71	10745648.3
>FS-40_10018	98517962.9	1047840.263	10668553.57	7464675.793	18125352.69	841818.31
>FS-40_15349;>FS-40_80420;>FS-0_25374	38156484.59	408710.1488	1340741.928	28660.31038	0	0
>FS-40_63664	22019080.56	236598.5413	17761357.64	0	30976330.7	0
>FS-14_28245;>FS-0_66389;>FS-40_92984	160850800.1	1743614.01	14162281.64	1058543.61	97895882.68	102024127
>FS-3_32058;>FS-40_68426;>FS-14_2921;>FS-6_32075	39385824.92	435925.324	2991174.034	0	4228055.68	22413666.3
>FS-40_699	144901892.1	1624380.994	61031236.84	29980.40326	52353816.32	4074891.89
>FS-14_24411;>FS-14_24741	49815074.31	568335.3242	6675666.892	0	3481447.233	9517040.12
>FS-40_17588	49013345.94	559453.044	1585652.886	716986.9895	8141023.924	50087085.4
>FS-0_62480;>FS-3_18966	220753910.5	2596126.517	26789906.37	140124.5678	9041772.219	43662149.7
>FS-40_120738;>FS-40_59784	158438556.5	1866465.069	4787401.984	0	15024091.44	1081180.97
>FS-0_81566;>FS-0_57733	896210418	11001427.44	52320705.92	0	331577518.3	65478562.5
>FS-3_36778;>FS-0_1800	34732869.52	432158.6881	2408335.245	4586217.831	7381919.601	27153542.9
>FS-40_132732;>FS-40_38223	33292480.48	414274.4045	7453341.334	0	0	3316420.27
>FS-3_20898	30198238.61	381488.4676	15721026.63	1917688.361	195894.108	80890181.2
>FS-40_76002	44781980.47	588342.7283	7553667.928	2710179.95	160101.4373	720177.749
>FS-40_62328	226214553.8	3035639.086	45512279.28	2573812.391	19808641.8	117189440
>FS-3_15308	7167149.562	96476.09993	0	0	753016.5093	0
>FS-0_39224	160154010.7	2167188.063	35840734.79	251028.5261	31050308.56	16260508.6
>FS-40_62041;>FS-0_58359;>FS-0_61705	4639671.631	64649.57595	2053155.539	0	8230426.221	29608897.5
>FS-0_20581;>FS-6_15963	69151003.01	965783.3719	2163851.505	67709.48557	1805669.019	20864514.9
>FS-40_116239;>FS-40_129342	7320718.05	104296.3534	0	0	44513001.16	0
>FS-40_667	35390208.63	507883.2652	6503172.922	8080820.352	3007117.827	4277667.22
>FS-0_59648;>FS-14_8603	36181993.39	521442.9707	5937432.036	0	25199737.53	0
>FS-40_13792	27048611.48	391121.305	11612908.59	55174141.87	30944713.94	0
>FS-0_26026	39994602.27	585177.4945	14614725.45	2563173.45	6997206.959	36220215.7
>FS-40_2090;>FS-0_55728	34746174.06	513513.7689	1798709.207	680681.2002	1713846.589	20233206.8
>FS-40_105831	359952104	5468430.635	187666643.6	0	38706922.78	321545484
>FS-40_9009	58714167.58	892441.5907	0	72428.72035	13598.28838	160598842
>FS-14_8447	41902959.06	645780.7507	12934502.79	841472.6126	350902.3164	3225142.28

>FS-6_9146;>FS-40_103559;>FS-0_22460;>FS-0_23131;>FS-40_19600;>FS-40_1251;>FS-6_2944;>FS-6_3776;>FS-40_93041;>FS-6_18295	8527209.467	133854.223	0	0	4888032.763	2952578.97
>FS-40_61443	299720979.2	4736547.269	39645944.02	4968762.023	53046435.94	256266904
>FS-0_57240;>FS-3_22955	207334252.8	3296703.199	15507281.36	51518939.07	21555234.08	89878760.6
>FS-0_71542	664189323.5	10697103.23	17837228.49	0	0	0
>FS-0_19817	397540055.1	6426076.233	117177376.8	4109631.459	2410312.833	16054103.6
>FS-0_20869	51920106.91	842506.761	59233381.33	2400704.689	5474591.028	69687003.5
>FS-40_71304;>FS-0_17562	57880683.33	940816.9187	259796.4444	37546648.07	29266.82796	36843817.8
>FS-40_63380	102484275.7	1685443.995	10505205.52	1452475.027	114192884.5	12132090.5
>FS-14_8790;>FS-14_22856	9111616.964	149871.8694	3023675.864	1000460.903	429077.2669	2515353.94
>FS-40_63813	281747894.1	4649223.643	55330451.43	80006.01295	15753075.2	267115833
>FS-40_61800;>FS-40_111457;>FS-0_105;>FS-40_67555;>FS-40_93755;>FS-40_37512;>FS-0_32627	56367452.86	932547.2945	6523852.346	0	17245962.21	0
>FS-6_2164;>FS-40_54951	55636620.35	927184.3224	8903763.426	0	3846844.748	312388135
>FS-0_20727	90777603.13	1516225.41	1674073.605	2182938.513	10448855.56	3476157.93
>FS-40_61970	15123682.73	256281.9042	438439.3594	0	0	4516125.04
>FS-40_12465	148509400.6	2542964.353	9814355.991	343672.4069	3180930.062	115203157
>FS-40_63138	109946114.2	1929620.346	20589296.55	809843.4128	44493568.58	0
>FS-0_68074	21733097.76	381883.0675	1829793.402	258750.3777	8802898.815	0
>FS-40_18105	57176408.76	1013304.682	3048083.804	0	16086187.69	2353871.96
>FS-40_62230	20002919.56	355997.4604	12973347.18	1740156.646	17410331.37	205271113
>FS-40_1349	156449781	2792683.222	412358416.3	104727625.8	99405432.05	129197652
>FS-40_1310	337426294.1	6033753.295	34757391.5	13740944.17	22414015.57	555321934
>FS-14_8299;>FS-40_36534;>FS-40_100291	46998239.64	843439.4517	9555816.221	1538004.089	77468195.28	3569547.95
>FS-40_62113	152307115.1	2834434.979	11343987.51	48552370.61	7042378.754	88986275.7
>FS-40_88918	38529419.83	717418.5775	41031888.01	0	1887918.338	7910648.96
>FS-3_32705;>FS-6_7231;>FS-40_12418	12488670.65	233076.8973	33643925.98	0	1622086.347	11232674.5
>FS-40_61692	195015162.9	3641270.224	70540588.83	114488.2146	187158180	63745236.3
>FS-40_11335	245997406.1	4614373.818	2587256.645	152304026.2	121811.6028	84740499.9
>FS-40_61503	48377421.07	907814.3531	1028904.562	0	1130063.01	5265718.08
>FS-0_38727;>FS-40_107554;>FS-14_14289	148585191.2	2791507.648	7962720.694	607055.5184	21196393.27	108433430
>FS-11_9557	143577302.7	2710983.875	16918084.17	30245266.31	13033525.18	3802641.01
>FS-40_26527;>FS-40_118813;>FS-40_27966;>FS-40_37995	118289643.1	2239642.405	17536435.34	0	144855801.4	27059640.6
>FS-40_8310;>FS-40_51772	18476335.19	350261.2626	72670.15027	114757.4625	2366469.205	1107373.15

>FS-0_59686	11010380.65	209569.7431	2585526.836	0	0	0
>FS-3_46710;>FS-3_43702;>FS-3_49756	138223376.4	2648095.177	39750525.05	20500866.1	3532719.561	0
>FS-0_57175	382407098	7371557.056	27221882.25	336486.4958	46392738.59	303719418
>FS-14_21265;>FS-14_23518;>FS-40_14894;>FS-40_31198	46882062.63	905158.4708	8863426.8	0	15421393.77	0
>FS-14_26453	10392253.86	208614.2306	5770662.409	106082.0965	29155617.29	18015888.5
>FS-40_92927	57396663.03	1153454.203	4081698.883	0	7731601.964	17994776.2
>FS-40_110898	40371310.8	812301.9286	817905.4251	7805458.815	2895699.49	160941933
>FS-6_219;>FS-14_25876	98211188.12	1978283.912	35981938.33	317712.9608	2368930.716	34063807.6
>FS-40_45714	259057489.6	5352181.028	103171684	0	23421870.32	0
>FS-40_112962	60927460.54	1262498.464	1987506.108	0	4690814.928	144124.196
>FS-40_36176	56553066.08	1180714.789	5326432.448	388717.893	17537477	29903242.1
>FS-6_26514;>FS-0_24109	32743445.92	686420.1071	34922482.56	0	8723711.534	8395659.26
>FS-40_21539;>FS-40_36152	50443016.93	1062268.114	4356532.436	19658912.05	2340440.068	110113.152
>FS-6_1032	105281022.8	2218710.95	273208.7743	84992.13312	0	3046560.17
>FS-6_26758;>FS-0_57031	34116504.33	721321.6274	23109683.16	4753937.537	2372819.727	0
>FS-3_10098;>FS-40_82979;>FS-3_40524;>FS-3_63061;>FS-3_49878	29990632.57	643269.6601	0	6148151.867	1237657.354	0
>FS-3_29259	13024494.24	282889.5532	659225.0281	17923141.32	6172705.13	12822862
>FS-40_80645;>FS-40_96497;>FS-40_26321	30741034.73	673374.196	10764823.59	0	27538554	17044311.7
>FS-40_132939;>FS-40_39749	118669810.3	2608973.317	7684433.901	0	35021506.48	58405500.3
>FS-40_17828;>FS-40_9170;>FS-40_36792;>FS-14_5967;>FS-14_9104	162739877.8	3691464.518	18523357.01	0	68666193.47	25765839.3
>FS-0_39687	43048736.36	982014.0005	869513.0741	774890.2718	1047771.073	13594093.5
>FS-14_9709	76876537.53	1775604.687	9691291.409	3683048.323	13633806.23	114711538
>FS-40_34151	82095798.13	1912665.634	8620303.024	2647989.455	44703254.42	98699273.4
>FS-40_16975	104516063.8	2437551.495	15029398.36	0	88208899.99	4286577
>FS-40_94589	203480427.6	4777977.533	89910644.32	238310.4145	56583991.71	14796853.4
>FS-40_73127	15328829.76	361310.0612	0	0	857633.7229	2963528.58
>FS-40_41335;>FS-0_26073;>FS-14_18736;>FS-14_19231	13050470.62	308839.0299	16236714.47	153394.0541	3526967.975	1949429.96
>FS-0_60727	11175571.94	264720.361	2473069.267	0	7889572.821	0
>FS-14_31856;>FS-14_7499	25426531.96	614571.4821	12095988.04	0	3774934.735	7100847.95
>FS-40_104849;>FS-40_108909;>FS-40_9472	140636036.4	3414556.859	9008990.981	1531068.008	6068980.818	106904422
>FS-3_34061;>FS-40_20369;>FS-6_18818;>FS-0_16017	40760269.12	990123.0141	7377790.806	749041.7052	1732227.131	69932487.8
>FS-40_61862	87268916.91	2135360.547	6339106.604	5210264.054	10047424.24	14247751.8
>FS-6_35173;>FS-0_38289;>FS-40_81675	44226238.37	1105866.353	18164458.9	0	1734436.438	27360810.2

>FS-40_87774;>FS-40_31337	136135249.7	3432078.699	29628662.03	1105522.334	8279628.015	151273177
>FS-0_62010;>FS-40_21895	31037139.72	782828.7644	7937723.974	965429.2555	6005617.283	46801046.2
>FS-14_26150;>FS-14_27131;>FS-40_92201;>FS-0_27918;>FS-40_54731	10831413.01	274006.6164	25023224.79	0	1702237.6	43000376
>FS-40_10188;>FS-0_20113	123316801.2	3150965.243	16483970.95	803072.6653	299612147.3	66264583.4
>FS-40_11539;>FS-0_30043	48067139.21	1237052.9	1368616.484	0	5241301.559	0
>FS-0_71541	412740575.4	10742245.45	44306029.36	0	3707081.34	4760762.97
>FS-40_39754	164084845.1	4303128.319	6985373.743	0	27258022.42	6921438.88
>FS-40_63181	34037803.55	895370.4127	6320348.851	0	89233522.05	923548.07
>FS-14_9587;>FS-40_6666;>FS-0_28108	29949498.29	798849.6577	6634189.702	0	43371468.17	0
>FS-40_63120;>FS-0_30796	111713885	2990501.675	2643031.934	6416757.532	3794213.266	29383779.4
>FS-40_61658;>FS-0_26376	96888033.48	2618341.003	1225788.992	40345.14187	26799766.83	15242031.4
>FS-40_31692;>FS-40_125462	35159146.44	950875.3249	16114101.06	0	144579179.3	91667119.6
>FS-0_49	43195253.52	1175495.308	5670906.771	0	5586785.173	4603059.43
>FS-0_25253;>FS-40_37450;>FS-0_33274	37735171.78	1032422.994	55298791.89	0	2041685.932	65068380.6
>FS-40_161	220265279.8	6042671.538	9705651.805	1156367.304	11947577.59	52244599.2
>FS-14_25729;>FS-40_104816	80418873.71	2212146.775	10829979.17	0	108985836.6	78294284.3
>FS-40_927	49431132.87	1363836.852	16057702.6	54032182.75	461825.8167	1875870.93
>FS-0_61271	103567593.6	2895806.512	9310041.584	0	10360395.43	20561191.1
>FS-40_61601	29708635.48	842393.025	2204738.531	0	2243783.233	2988236.21
>FS-6_28141	26560024.3	754223.9908	11157411.88	0	88344.55011	77269990.9
>FS-14_10828	37400044.42	1087902.601	0	0	3670451.596	0
>FS-14_27421;>FS-40_46067	18206754.77	532566.4384	991295.4314	0	1634947.463	0
>FS-40_63025	21396530.21	625919.22	4073574.778	1137029.946	3996263.733	1691200.34
>FS-40_62723	80561338.77	2363599.514	17388288.65	1286228.194	30787749.49	18038618.5
>FS-6_4762	90655062.32	2669799.137	39566677.65	88873.02181	32764866.85	9159606.89
>FS-40_72951;>FS-14_25699	313334343.3	9228157.772	19643345.46	915245.7108	6453014.828	476932.293
>FS-40_63385;>FS-0_29345	51052461.52	1522294.853	14244173.02	0	37710108.44	0
>FS-6_27316;>FS-0_61953	52795226.8	1581789.763	7174888.045	34342095.72	4661633.017	3549575.05
>FS-40_61492;>FS-14_6402	74089428.95	2250061.51	7775408.477	377519.9233	20024319.81	7549191.72
>FS-40_13468;>FS-40_97989	74496237.31	2278061.287	10123027.48	0	25609083.48	0
>FS-0_28809;>FS-40_27832;>FS-40_70826	25627440.98	786760.5502	11660361.1	5310403.846	42759938.88	15662440.3
>FS-40_69985	46001061.03	1414827.715	1522266.804	742500.8816	367332.9398	1302254.85
>FS-0_28004;>FS-0_31697	53110867.19	1639122.216	1461657.78	0	9915900.21	27340744.4
>FS-0_36301	90756877.92	2803771.969	3066305.943	587260.338	616208.8985	41330852.1

>FS-40_76522	89229838.12	2771807.014	768521.1376	0	12370129.45	18732994.6
>FS-0_27024	49987065.99	1582848.008	15033714.38	0	35929279.6	26438475.5
>FS-40_7807;>FS-40_14219	23043692.86	734490.5633	2838624.932	0	0	29785163.1
>FS-40_63363	96206058.24	3076681.015	4672815.901	2301350.172	283412.2051	3228845.69
>FS-40_63286	69257383.05	2227157.977	31069260.73	1353177.405	7658290.194	0
>FS-6_32187;>FS-0_39588	38329234.11	1249993.836	9111722.543	952342.6653	0	1868844.25
>FS-40_92266;>FS-14_4697;>FS-14_5211;>FS-14_10192	78134784.11	2566889.554	8528141.67	497505.1082	163042736.6	27863310.2
>FS-14_22423;>FS-40_23715;>FS-40_37290;>FS-0_56195	15998883.8	528750.3625	2424358.773	0	394903.4284	21829198.4
>FS-40_50473	180690166.2	5978757.686	19005663.48	594816.0069	586200542.4	77608978.2
>FS-40_68292	110439822.2	3656084.001	20221623.81	0	41516179.65	18816417.6
>FS-14_24369;>FS-14_26607;>FS-40_102442;>FS-14_24403;>FS-14_25940;>FS-14_24404	293411472.2	9921016.737	50760679.25	2795401.68	24711929.28	253420843
>FS-40_62084	356970671.4	12073925.13	6763136.102	111167.8781	10192346.29	50239121.8
>FS-0_68183;>FS-3_31113;>FS-14_15016;>FS-40_20946;>FS-0_4133	31548087.44	1070119.185	2423100.891	0	7357583.882	8142934.85
>FS-40_61756	22226401.29	761231.1293	11643744.35	276275.9366	0	1879086.23
>FS-14_25531;>FS-40_9690	18351954.19	634543.2856	448720.4942	0	13726835.38	28397317.8
>FS-40_21708;>FS-40_7683	19494759.94	677770.3541	730898.545	0	3954565.968	56451693.7
>FS-11_703	266434327.6	9405656.433	40974014.91	40253483.89	33220096.46	0
>FS-0_66391;>FS-0_67904	63287657.9	2253184.678	10107911.27	16814.94814	5556251.456	4394382.77
>FS-40_62227	125370942.1	4471779.244	16395032.72	594295.5224	58841164.87	4182641.1
>FS-40_63628	59163077.05	2162558.112	11665102.74	1213433.184	9989170.67	16895633.3
>FS-6_36310;>FS-0_22135	39940531.07	1482910.267	25736351.27	1242534.689	2866172.804	37432944.5
>FS-40_62135	28119959.61	1050193.333	3665661.903	2807382.485	11840357.2	1040444.34
>FS-0_69380	163413243.8	6199605.622	5561125.691	0	75906.96338	16026569.7
>FS-40_1058	35104577.69	1339052.479	59387.40924	113509.163	0	0
>FS-0_29247	68213465.22	2641110.182	35661547.62	2104722.453	8227497.015	214386424
>FS-0_57163;>FS-0_26602	7977076.327	309126.1172	4443038.946	46597.49841	117848.1959	45296671.1
>FS-0_56652;>FS-0_25237	25412223.9	984773.1354	36121322.92	0	9273559.061	10028502.3
>FS-40_1490	481160879.7	18810212.13	63822822.36	3028952.84	112024005	3873584556
>FS-6_47916;>FS-11_152;>FS-3_46287	85707480.92	3365062.218	85029709.8	175909097	3690754.252	131609.25
>FS-40_19958	62929075.2	2474986.568	2017897.791	1575655.257	363835014.4	16848788.8
>FS-40_2086;>FS-0_36222	83304703.16	3288383.149	3649356.743	1365916.676	0	52030154.8
>FS-0_64416;>FS-6_37453	39470865.64	1564768.156	10306261.84	114075.9197	4033646.594	13767588.6
>FS-40_48980;>FS-40_28077	371519578.2	14830394.49	41162132.15	305540.3203	128944374.9	9750590.79

>FS-40_117039	12095730.07	486562.1337	10650585.68	64405.31003	2996187.247	36069916.4
>FS-0_61218	20292451.95	817032.8105	24750475.88	0	1428953.252	71882273.5
>FS-40_104805	285811901.3	11561794.86	46284670.01	4187694.973	40984682.32	2445320325
>FS-40_95757	131865500	5338557.253	38132853.32	2392463.415	195362943.2	2529938402
>FS-40_106768	59838619.59	2448383.307	9330088.355	1651282.033	28676031.36	47126036.1
>FS-40_17719;>FS-40_11163	99133230.04	4065259.199	4727561.194	533999.5498	11627395.74	5862022.66
>FS-3_16206;>FS-11_13563	151127746.7	6256907.803	22038071.2	67565264.26	13254049.02	0
>FS-40_8156;>FS-40_9586;>FS-40_11052	37224111.74	1542906.673	6702704.983	4207568.368	6860736.364	25428587.9
>FS-40_62612;>FS-0_83257	41681498.44	1748006.023	16258022.12	0	20761470.07	0
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>FS-40_55888;>FS-40_120857;>FS-40_125607	10998341.77	462006.9127	865382.2472	0	3806283.671	0
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>FS-40_92731	861664061.1	37126429.62	124327057.6	1263852980	230165823.7	3244310225
>FS-14_9695;>FS-40_111157	57667601.97	2499814.372	1331030.916	0	2289332.339	26006538.9
>FS-40_97341	27251877.29	1181790.97	19747010.7	0	0	11441591.3
>FS-0_64766;>FS-14_3482	20110992.29	872510.3904	22795475.62	0	420978.1967	0
>FS-40_98748;>FS-40_139921;>FS-40_95551	30340641.59	1324513.601	242469.1707	17506650.19	3449413.874	49594944.2
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>FS-40_133212;>FS-40_39769;>FS-40_41394	74435029.94	3278450.918	5796782.008	8399066.958	37717255.38	8086210.72
>FS-14_23026	124711257.4	5494251.235	7728965.344	2641107.696	124297614.8	3115191.24
>FS-0_22266;>FS-0_31945;>FS-0_80407	34487517.44	1531179.275	10944100.01	0	88542266.64	6825014.2
>FS-40_134178;>FS-40_47665	56956559.98	2556971.788	0	1373344.652	954111.5321	9959528.21
>FS-40_72738;>FS-40_76784;>FS-40_68786	57165460.76	2578297.902	2038099.438	0	1963259.276	25696409.3
>FS-0_57986;>FS-0_30763	96577425.77	4363724.159	98284667.82	3217582.086	12961716.74	135923091
>FS-0_36493	14964051.54	677061.7647	2706258.511	214363.152	19530286.03	100868426
>FS-0_74984	64101952.36	2926669.012	7843659.202	317367.4711	14840794.2	8467937.85
>FS-40_63080	257240244.3	11849353.48	31690482.23	302202.8231	31466077.2	45102175.5
>FS-40_71852;>FS-40_75407;>FS-40_86378;>FS-0_21709	46965682.8	2166174.349	8681355.611	1307661.586	11950826.54	77268148.5
>FS-0_63483	39162909.53	1813053.77	2349955.533	42076.30143	7236132.241	751985.461
>FS-14_25808;>FS-40_38727	26337157.78	1236066.4	4219495.316	0	11818832.98	18950202.9
>FS-6_1077	18538462.72	877981.165	0	0	1635162.447	6167566.22
>FS-40_93650	55158060.97	2622298.561	7245459.207	231233.2096	20322295.49	59393132.7
>FS-40_62256	37184182.86	1802143.086	2611422.314	0	1491268.518	322389.395
>FS-40_67911	90063924.65	4388168.83	26137028.69	199351.5196	444769068.7	226816347

>FS-40_62344	117537211	5798431.044	25852625.38	12330797.81	40812745.39	12010038
>FS-40_1882	17091886.33	843710.67	1865592.334	0	1446993.821	2665392.4
>FS-3_42850	39750759.06	1967233.574	0	6839678.109	259223.261	80476327.3
>FS-40_37235;>FS-14_31676;>FS-40_136048	48988160.85	2437279.517	10079303.09	31176929.54	171979550.5	94887376.5
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>FS-40_1471	80302178.88	4016848.103	19803173.81	41237.3773	23535330.6	5041369.05
>FS-40_62296	100811744.4	5046574.603	7910821.012	503744.0477	24166205.57	0
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>FS-40_879;>FS-14_9452	130724018.7	6643986.937	15175870.31	1306194.749	7269165.231	18868268.3
>FS-3_30395	36817307.08	1873428.721	47407855.49	0	2983098.811	15428627.5
>FS-40_61782	44146998.35	2249506.683	0	0	5725485.668	178814663
>FS-40_16725;>FS-40_47584;>FS-0_27640	17399879.39	893302.536	2835772.258	0	18798.72604	66020707.4
>FS-40_103054;>FS-40_116105	14860234.23	765087.824	3160881.342	0	944346.4469	0
>FS-40_11904;>FS-40_13132	36376705.31	1881309.06	2209641.94	991219.893	31596069.89	8154237.53
>FS-11_8321	6669935.178	345664.6197	6115675.832	132360273.9	1007416.272	8846240.42
>FS-40_76137;>FS-0_17671	89492596.97	4672317.885	47108197.09	0	29164664.6	73270767.2
>FS-40_75613	11789448.27	616176.7864	944849.8894	2224699.245	0	22678681.6
>FS-0_62198;>FS-14_27903	53175730.07	2802113.634	4592239.609	11731175.11	1525558.269	119697004
>FS-40_88164	48439299.24	2560343.824	2722583.811	0	3074661.724	13249657.9
>FS-40_94287;>FS-40_46169	13963562.7	738565.2961	17426635.22	0	25211578.85	0
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>FS-40_23895;>FS-40_80530;>FS-40_24216	21871564.48	1187207.752	0	1362928.918	1966447.727	0
>FS-40_10452	29751383.49	1619088.76	8504040.24	0	1914183.563	0
>FS-3_40085;>FS-40_95725	208807641.9	11382217.77	27770573.87	26402513.95	19421626.02	0
>FS-6_43670;>FS-14_5341;>FS-14_5343;>FS-14_5349;>FS-14_5352;>FS-14_5373;>FS-14_5404;>FS-14_5441	41421322.13	2277917.88	84205127.21	0	15017902.37	98226636.3
>FS-40_9857;>FS-0_19857;>FS-40_136880	80662665.74	4443554.138	1427662.28	61124.8354	10354357.7	0
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>FS-40_14421;>FS-6_44761	3552477.952	196797.7557	2817324.709	0	2741926.264	0
>FS-40_31288;>FS-6_36241;>FS-40_90754	38812244	2162868.157	1142608.647	0	370185.0712	10267512.9
>FS-0_40422	124009202.1	6956558.225	4379116.76	0	8343025.973	281750.998
>FS-40_547	25501516.42	1431947.332	1716150.735	61724.4635	1772828.002	0
>FS-0_66522;>FS-40_19136;>FS-40_104954	9816638.772	556744.6534	0	53018.29204	0	0
>FS-0_32496	32271084.7	1830405.666	1572545.928	337942.5543	0	1079874.29
>FS-40_21228;>FS-40_13823;>FS-0_55307	7650215.38	436642.7784	14780357.9	0	241981.498	0

>FS-0_69108	62398633.31	3568568.395	11679810.93	0	1664092.76	30692354.2
>FS-6_26997	42558589.55	2438972.468	74360585.03	0	5663982.37	60174140.8
>FS-40_99301	34846812.19	2011796.938	183568770.5	0	5651575.151	35100693.6
>FS-40_14809;>FS-40_68120;>FS-14_26663	30304917.28	1757201.929	927020.6107	0	3354900.159	453784.741
>FS-40_68019;>FS-6_34950;>FS-14_26507	64902638.99	3818483.421	6302452.911	0	1366170.478	31875693.8
>FS-3_29614;>FS-11_3758;>FS-11_12086	9998187.811	589944.8837	0	17202450.19	0	0
>FS-40_118464	34957758.77	2063492.534	2098353.28	0	4492034.809	1124493.07
>FS-40_92369	21848189.51	1296815.66	2931066.189	0	3066796.364	14599302.5
>FS-6_27027	51385132.5	3108508.423	40541786.4	281966.5211	3954211.903	4034236.59
>FS-40_54719	639255695.8	38759089.31	96199635.35	94906.63113	121471452	5212364956
>FS-40_14793;>FS-0_63828;>FS-0_64645;>FS-0_67325	54929474.85	3331625.019	0	73780833.88	5638140.461	9401360.15
>FS-40_100297;>FS-40_101432;>FS-40_88015	39172584.88	2378295.227	4066877.573	0	18222311.42	0
>FS-0_20935	29979906.28	1832163.43	1811624.518	0	132610.4407	0
>FS-6_32879	27332255.95	1678547.48	7370087.207	8772116.657	4224777.524	4789129.23
>FS-40_13920	63939758.66	3940618.568	7396170.368	0	29339585.57	9940290.51
>FS-40_99960;>FS-40_112516	20518317.67	1283708.128	2411547.915	0	113472.0814	58410325.8
>FS-40_129243;>FS-40_15794	39425802.14	2471082.516	7887537.443	4048227.048	351751020	88841670.9
>FS-40_68109;>FS-40_70748;>FS-40_67853;>FS-40_46756	154484315.7	9686248.491	56101411.06	0	50061924.32	28776194.3
>FS-6_1612;>FS-40_11472	20959502.9	1315813.438	15367592.73	108465.7462	3881982.436	186107075
>FS-40_121595;>FS-40_124631;>FS-40_120902	48847199.52	3068086.338	11449446.86	167559.1301	0	0
>FS-40_73930	60136375.95	3785027.589	89812667.37	8717928.699	20012562.29	4905739.05
>FS-14_5913;>FS-14_23602;>FS-40_83531	19159972.03	1214865.621	977597.7219	0	2461266.154	3555622.18
>FS-40_26579;>FS-0_32965	35463180.55	2255947.258	6298979.435	3032943.477	77158241.45	599716009
>FS-40_102062	12336454.29	789164.0226	13306493.01	49016.55957	3672027.615	14604638.4
>FS-40_15860;>FS-0_60441;>FS-40_18011;>FS-40_13155;>FS-40_109233	42646704.17	2729376.092	6639171.584	83336.8016	33153753.13	25720139.3
>FS-40_100823;>FS-14_21751	73531544.35	4856042.111	4428845.117	90457.91369	2579660.891	28864681
>FS-14_20440	59722936.38	3959963.069	606603.0021	0	27297439.01	1495429.52
>FS-6_5105	27244232.46	1822783.934	58514737.38	0	8218916.355	36147373
>FS-40_93142;>FS-40_27080;>FS-40_50064;>FS-3_9306	8980962.147	603020.4655	0	0	357213.9823	4717031.03
>FS-0_58255	83359459.43	5618802.379	14991869.02	29675238.09	66910191.86	0
>FS-14_10821	63489288.62	4305035.532	2979009.161	1242990.62	43018450.18	44671341.9
>FS-11_8707	31014108.56	2131622.01	6268642.852	74031388.49	3683725.599	10697209.8
>FS-6_27312;>FS-40_8720	7987835.024	552045.3268	17653154.29	0	2719176.816	11993127.6
>FS-40_110789;>FS-6_47866;>FS-40_69285	111251878.4	7699086.512	161492.5124	0	14258286.87	0

>FS-3_30968;>FS-14_15721	23826144.48	1660994.428	5995087.044	0	75995.19643	4344535.04
>FS-0_1179;>FS-6_27193	31292882.58	2182402.396	587076.8741	0	128125.1129	221530584
>FS-0_58622;>FS-14_32664;>FS-14_22761	91861754.47	6468569.324	3127621.058	64512.64662	41306703.17	10514977.5
>FS-40_50187	17063571.07	1205250.715	4234041.949	0	11938121.5	0
>FS-40_6521	146615271.4	10449927.25	27581729.09	878550.0131	5030023.668	5906061.76
>FS-11_263;>FS-0_28813	24732158.69	1765741.078	0	8810972.718	507283.0206	0
>FS-14_17718;>FS-3_3082	20943386.04	1496358.874	3472654.655	749501.3817	21042195.65	3848770.84
>FS-0_38806	25415421.35	1832006.687	2428063.06	280471.6633	1282369.431	3477763.87
>FS-40_118540	60822144.48	4406967.887	36529561.41	5546053.532	88442879.47	15357341
>FS-11_8820	119696602.7	8705419.303	8015450.28	104188407.2	34742003.68	961409.532
>FS-6_41792;>FS-40_14120	53337526.97	3885048.911	43583630.01	348863.8339	9318201.888	108406318
>FS-3_35909	16772232.18	1225109.087	912329.4044	0	682817.1123	4474315.31
>FS-0_56569	13108937.3	961962.9269	0	161231.5087	4395885.424	112071338
>FS-0_59956	11607596.24	854057.7776	10793862.21	15519008.34	29985233.45	166940.337
>FS-40_57048;>FS-40_125790	7981584.312	593263.0849	88211420.94	0	0	135763454
>FS-6_36518;>FS-6_38385	41438892.41	3082781.472	43760151.49	64000039	4405974.38	6408748.41
>FS-0_64771;>FS-6_9582	27120475.41	2035750.607	3416190.352	0	1414760.523	32197211.9
>FS-40_68931	37566945.36	2820770.447	0	0	0	1988834.77
>FS-40_62404	6594310.156	501608.2789	5962879.187	805942.3192	6050843.972	87708283.5
>FS-0_55662;>FS-0_26276	6717880.542	511867.8775	874212.4066	0	1984551.987	301421.066
>FS-0_60429	74764261.75	5760276.34	29415176.68	5466451.422	39880799.04	23369056.2
>FS-14_8042;>FS-6_26390;>FS-0_21318;>FS-0_67179	23924645.39	1862352.415	29069424.49	0	48189001.09	437104.713
>FS-40_93655;>FS-0_64148	59191396.97	4610690.656	0	0	19550775.55	29080708.6
>FS-40_1332	12781559.55	1025722.281	2628375.285	0	11832039.52	196261.99
>FS-0_68846;>FS-3_44990;>FS-6_55975;>FS-6_15727;>FS-0_74962	24167606.61	1950213.904	81985003.51	0	0	58313545.4
>FS-40_63003	92807504.74	7515638.822	29889222.73	12946715.89	214283886	38390627.5
>FS-40_74570;>FS-6_39857	1210957828	99504294.46	302522702.8	449556946.3	533897626.6	226062386
>FS-11_8669;>FS-3_41308;>FS-3_41571;>FS-40_39011;>FS-3_48890;>FS-3_59710;>FS-3_14162	1176722.983	96852.76351	0	2243337.712	0	0
>FS-40_1587	70585341.57	5837209.407	16030515.12	29744285.31	8201867.666	75283399.8
>FS-14_22766	48854369.06	4090500.292	37039028.32	0	12281453.41	119433288
>FS-3_28300	74843804.88	6288840.469	17591945.05	2493962.946	3189934.862	3388149.71
>FS-40_42589;>FS-40_44169	87102612.47	7330414.111	39238703.74	289711.5271	166973487.6	2500693810
>FS-0_28210	22906061.73	1934120.679	13531171.19	646714.8934	46321461.61	593437158

>FS-11_9009	4121336.69	353158.0371	1579658.519	12485621.93	551522.4754	1150226.44
>FS-40_118079;>FS-40_116371;>FS-40_99903	15766010.12	1351379.012	559587.5712	0	2462369.25	0
>FS-3_29883	24333937.11	2105025.936	17466816.66	2583650.924	1972172.076	0
>FS-11_8931	49427177.25	4285553.527	6046332.913	134267494.6	12839564.46	7769638.49
>FS-3_4477;>FS-14_17258	22152598.98	1925514.262	15329973.93	39136.34093	0	0
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>FS-6_495	35625564.25	3176567.104	26712744.67	0	2885218.749	6200774.41
>FS-40_27400	36347366.91	3257050.894	7309772.046	8273821.802	16311827.22	1993756.74
>FS-40_64104	6384892.946	572164.8664	4681615.473	0	1379679.448	200852.446
>FS-6_16227	31412107.92	2816223.954	127148.2275	0	3611145.946	0
>FS-40_104754	15249231.31	1368083.079	9336856.861	2412409.2	2997387.797	15899078
>FS-40_103808;>FS-40_111279;>FS-40_97695;>FS-40_114215	64742332.27	5850841.042	9014915.231	0	1355764.538	88941534.4
>FS-0_64225;>FS-0_67418;>FS-6_32418	34716292.4	3160903.912	15491663.48	501597.3158	2964919.042	0
>FS-14_25635;>FS-0_58253	81916862.4	7469852.053	50524904.06	0	123324077.2	57983331.1
>FS-3_30499	121738233.5	11168071.99	10123840.88	9139371.845	47598026.15	366473.175
>FS-40_22510;>FS-0_69646	128873365.3	11927698.88	15036908.99	0	41129.82201	2379430.38
>FS-40_89487	71747986	6641117.119	230430902.7	2482866.763	74695750.09	26964981.5
>FS-0_19604;>FS-40_85858;>FS-40_134212;>FS-40_47847	21322243.19	1980891.737	5946637.489	0	10419759.63	13605866.5
>FS-40_71536;>FS-40_70464	333959886.4	31460667.82	43173080.88	20276314.15	64065107.64	99856269.8
>FS-6_11889;>FS-3_32458	54400039.53	5131135.078	20604943.68	10644515.1	832259.1751	9479382.85
>FS-40_129126	101245756	9614234.488	11491854.05	71687.427	420847532.3	951342802
>FS-40_84684;>FS-14_11284;>FS-40_10443;>FS-6_29401	58808076.97	5625479.035	12727845.91	6116508.663	21882691.57	99366210
>FS-6_25910;>FS-6_56321	174826716.2	16794011.08	0	0	0	25607095.2
>FS-6_1104;>FS-0_17585;>FS-0_17638;>FS-0_18056;>FS-0_18757	29390786.33	2824287.848	48906875.54	42528.27193	5554187.612	98498208.8
>FS-40_126287	14661773.65	1417654.121	1423820.614	0	24946097.84	26439.9251
>FS-6_24924;>FS-0_40570;>FS-6_53613;>FS-6_25270	19836690.44	1923495.381	18482098.18	0	5290311.428	89204698.7
>FS-0_25830	32433574.32	3148196.305	3945385.111	72911.73502	1621391.758	1627171.23
>FS-40_62519	16866383.7	1643795.764	0	0	146119.7465	501849.86
>FS-40_63053	12271386.83	1197265.067	1327734.825	0	936650.4619	1906335.78
>FS-3_16;>FS-14_173	49848920.11	4884096.914	18274485.32	4772232.384	3431814.7	32221722.7
>FS-40_99376	72577513.45	7133961.797	3488146.01	484121.5768	6884933.381	103112058
>FS-3_30967;>FS-14_17557	77647986.02	7655226.964	27541297.84	41100005.02	17976540.44	17911700
>FS-0_68129	41951741.96	4173108.525	112152.9551	2217102.324	356622.7019	0

>FS-40_93259	47455917.61	4733969.537	13941972.77	0	19386153.93	4222913.18
>FS-3_2789;>FS-14_15248;>FS-3_31302;>FS-3_499;>FS-0_39921;>FS-40_63091;>FS-40_109283;>FS-40_89038;>FS-0_61801;>FS-6_34285;>FS-40_66958;>FS-14_11283;>FS-40_23556;>FS-40_84801;>FS-40_20293;>FS-40_95806;>FS-40_110817;>FS-0_63036;>FS-40_28850;>FS-6_37818;>FS-40_43319;>FS-11_5815;>FS-6_39752;>FS-0_31129;>FS-11_7697;>FS-14_28006	4540715.263	453794.7384	58231.80276	216931.4923	1676396.795	8129278.05
>FS-40_386	16925706.85	1712999.675	1700767.349	10862844.87	4638405.148	11144767.5
>FS-3_16125	5465001.172	558930.829	1780775.129	30488933.02	21001.41829	3580202.18
>FS-14_5661;>FS-40_51331	26935100.01	2760790.649	0	1110168.356	1448603	16598627.6
>FS-0_25556	89008438.7	9143502.328	20139788.13	4236776.579	17766683.18	7895134.04
>FS-40_112584	31808439.97	3290887.374	865959.5762	4516193.877	6310751.07	10898232.1
>FS-6_26476	24792410.2	2579499.858	18824486.94	685214.2037	1636480.067	47468048.2
>FS-11_9036	82959557.39	8672872.92	0	17949040.62	7050585.679	67292455.6
>FS-40_76550;>FS-14_27511;>FS-40_118996	70913814.42	7426582.491	5756114.707	9981332.164	6325032.05	57796104.1
>FS-3_33429	46732742.38	4915427.571	258259.3642	662890.0685	20693201.05	1566151.2
>FS-0_38192	44099685.13	4696263.778	30372266.53	0	6132634.573	159021389
>FS-40_7682	56035839.95	5988733.898	2743642.931	4298216.023	4515634.299	70136166
>FS-40_71731;>FS-14_8717;>FS-40_98062	50519183.42	5445374.548	0	0	16100695.74	0
>FS-40_37459	61845383.75	6679220.465	6167229.578	2935001.861	8854.774968	7420064.98
>FS-6_6	20304254.34	2206493.847	12590895.93	0	335750.0434	133484487
>FS-40_21637	52948980.95	5763864.893	18099989.55	5273993.56	229094.2732	8156346
>FS-6_18935;>FS-6_34027	14723669.78	1608801.682	102273.726	498708.9224	1685248.22	8184301.41
>FS-40_109352;>FS-6_39776;>FS-40_39136	74661070.56	8173157.161	30689578.68	23643692.28	94831535.59	1161531678
>FS-6_12403	24309258.74	2675351.772	8400885.795	65106.47992	152219.9344	131084876
>FS-40_32680	20702633.43	2279749.918	2144591.242	4874409.332	900203.4445	22600567.1
>FS-0_68486	57199587.94	6312492.318	34917279.84	0	762697.9453	613883519
>FS-40_74409	35860948.37	3974657.253	8618224.494	0	31620419.43	0
>FS-40_102409	40387686.56	4489471.223	4260841.946	0	4463703.636	7050040.76
>FS-3_30363;>FS-6_18033	18272638.19	2035211.211	11815777.18	0	6309275.076	0
>FS-3_32135	22700025.24	2530497.719	174534.541	0	2728754.825	0
>FS-40_56299;>FS-40_120082	47362311.44	5296147.988	43016911.08	3481834.999	5264662.306	16955774.6
>FS-6_53710	82639440.88	9246676.127	26532189.51	0	5492152.726	103150444
>FS-40_74458	17372001.7	1944938.515	1174371.53	27972315.14	0	4262171.07
>FS-0_38175;>FS-6_18882	97185080.7	11043052.84	14853698.9	2969159.228	58342982.18	10599849.1

>FS-40_100529;>FS-40_92178;>FS-40_92757;>FS-40_100530;>FS-40_92179	22707635.97	2586486.958	35008000.12	10892.48908	210033.336	14482752.4
>FS-3_41114	69321982.11	7991172.917	8471566.005	658040.4	399171815.1	195474808
>FS-0_22252	35640873.77	4132666.166	5562326.773	0	0	20881793.7
>FS-3_4478	50264945.37	5889965.033	1857189.686	474479.7122	695550.5187	82443.7163
>FS-14_9361	29604133.12	3483851.192	1936268.383	1410219.705	45490514.85	38291605.7
>FS-40_61776	43143140.7	5186293.806	24465498.95	62297353.31	2368242.997	94205921.7
>FS-6_10264;>FS-40_94408	20741127.24	2501276.637	10302370.8	19145469.61	3452942.83	80936145
>FS-40_88165;>FS-40_88166	39872106.42	4819500.27	6499388.493	1068108.417	3273310.345	18732553.1
>FS-0_531	28014704.92	3404199.098	4001908.956	0	53286.0661	1540753.33
>FS-14_22373;>FS-6_15186;>FS-40_64110	29480827.86	3583868.079	1085001.282	13616817.4	7480645.826	9138586.9
>FS-40_60025	1418695.046	174404.3857	3462983.467	3911362.238	64524.81595	80695446.2
>FS-11_8276	198479965.1	24529732.62	36229024.34	139151051.7	27871150.35	184570511
>FS-3_32870;>FS-14_2019	40919263.12	5096568.499	2684474.185	230052.9851	26595523.39	0
>FS-0_27583	13202398.23	1665479.626	822456.1362	0	31940445.32	0
>FS-0_18822;>FS-0_71492;>FS-40_99072;>FS-0_29452	51603111.31	6532858.69	3635613.4	0	5298792.363	174202.163
>FS-40_61665	27033021.21	3434992.544	6510370.077	0	0	8794201.17
>FS-3_28631	36785756.33	4710526.282	1024771.871	669880.9679	11892355.74	0
>FS-40_20270	64292136.89	8235381.383	48410499.06	380501.769	139743662.8	1172901840
>FS-14_8364;>FS-0_63028	29013751.2	3732026.589	2722413.4	0	4255030.761	100645816
>FS-11_8739	9048654.842	1164105.718	2202713.089	29461680.34	0	0
>FS-0_18613;>FS-0_22808;>FS-0_71563	27558423.14	3561981.982	16163401.64	0	21408013.63	149521494
>FS-3_1756	105639262.8	13696933.7	14640727.65	7993222.28	17278522.85	0
>FS-11_2570	1038687.389	134921.0241	0	18968128.52	305700.9184	2867894.94
>FS-11_9316;>FS-3_50369	4134295.167	537481.0014	436186.1378	47107862.77	476625.7439	0
>FS-0_67368	19005645.95	2478690.728	23254132.81	617185.4093	2566156.75	110734537
>FS-40_9218	26910509.07	3563287.332	0	656800.2656	7146816.062	1468197.31
>FS-14_22435	16746512.62	2230433.545	0	0	1338712.547	0
>FS-3_32277;>FS-14_17563;>FS-6_26741	377784343.6	50584620.68	4505692.02	52635181.76	7248621.935	21827173.8
>FS-40_1831	36860878.97	4974314.493	11621665.68	0	5103707.701	14976319
>FS-40_61856	21415685.83	3045702.285	2513937.242	23762095.79	29370563.92	63356700.2
>FS-3_42074	17044848.75	2450106.948	41117812.26	101257299.9	1812533.229	0
>FS-40_17770	25748312.28	3714260.704	12015699.38	22875737.54	8832194.576	17488388.2
>FS-6_27116	38520203.52	5573193.772	61899967.73	2095302.318	3783856.718	30781410.1
>FS-40_1385;>FS-0_21807	27267193.5	3977307.944	1577891.165	3844479.32	18346115.38	18143556.7

>FS-40_106989	30018104.45	4494296.918	12805826.8	0	55610972.13	736643482
>FS-40_16610;>FS-0_11092;>FS-3_29105;>FS-6_32120;>FS-40_107344;>FS-11_1698	37774762.41	5677979.976	48248805.34	1634085.355	399777.2113	0
>FS-40_47690;>FS-0_18447	5265243.77	802758.0146	0	6986070.997	23731146.2	0
>FS-0_55635	34837671.14	5313934.761	5575648.214	0	5203758.387	9991074.79
>FS-3_28422;>FS-14_236	92540138.14	14316624.2	6588132.067	1653285.987	6063773.77	42969040.4
>FS-14_8998	29694355.43	4607288.938	7763850.378	0	663174.7057	0
>FS-0_36492;>FS-0_75550	13773218.35	2141974.77	3642239.946	2998309.308	11198545.37	150725555
>FS-3_12534;>FS-3_8895;>FS-3_16661;>FS-40_62723;>FS-40_86886;>FS-40_44622;>FS-3_36622;>FS-40_5365	389580.6694	60780.76261	77730.80284	28469.35414	54348.96737	0
>FS-11_9013;>FS-14_26341	28851623.67	4530464.989	126889958.9	5690160.44	43345631.54	5932745.13
>FS-3_30612	40407066.47	6357326.306	117660137.6	4407011.635	13165689.95	23575633.1
>FS-40_62207	19870947.89	3127007.716	0	154680.7498	2314375.775	2365582.31
>FS-0_26032;>FS-0_66309	22702426.68	3603286.595	2774164.902	0	3256878.539	3732376.58
>FS-6_36055	16388663.84	2622690.616	16264764.35	0	0	25246217.9
>FS-40_63431	221811489.5	35565727.13	29419715.43	215400738.4	24647924.75	451766041
>FS-40_63514	7381022.19	1184357.567	1058294.087	2305858.358	3722118.554	0
>FS-40_81367;>FS-6_36109	63402061.47	10181728.35	0	1872609.335	3839367.411	14311717.1
>FS-14_26457	217988204	35336712.17	210367836.9	0	529126619.3	5585009.63
>FS-6_1275;>FS-0_70594;>FS-0_24544	65578656.12	10634521.12	5338181.853	0	6479731.042	41538204.5
>FS-40_71906	19747905.85	3210330.421	2346336.581	0	415268.5045	2408843.34
>FS-11_550	19126941.17	3213079.381	4676557.894	46049903.98	4296342.383	0
>FS-6_27348;>FS-40_66862	15142231.2	2546252.167	11931392.4	0	4051.805189	284646663
>FS-40_29162	165941815.6	28108187.87	141936932.4	3552831.996	18705334.16	646174973
>FS-0_68779	38543095.45	6534295.502	3307853.043	0	18479463.29	14755108.1
>FS-11_8233;>FS-6_5941;>FS-14_11541	28557911.37	4876434.83	4464856.212	41846136.5	18610269.43	0
>FS-40_88367	10456936.32	1790882.923	18794536.7	0	228941.9737	79144845.9
>FS-11_424	240821649.2	41279706.41	137439724.4	75375003.28	91319845.79	16296751.2
>FS-11_9986	4070183.536	698656.9899	1296360.923	10278439.3	1412917.2	2618455.3
>FS-11_5282	8953522.147	1547310.098	26397401.46	79818204.71	1034671.89	11108302.2
>FS-11_4028	2005476539	347637383.6	560574149.2	841451174.1	1890636881	320540079
>FS-3_4584	191672944.5	33376640.86	39952512.34	448242.0844	75246825.53	87086760.6
>FS-11_9964	13274614.96	2319297.355	7991892.035	16704005.04	4151935.95	70667337.6
>FS-40_69729	69906908.34	12357395.14	6680114.007	0	1153388.535	72427244.5
>FS-3_1834	510177271.2	91087862.75	137369998.7	300030080.7	306657731.1	36093273.7

>FS-11_10045;>FS-14_10832;>FS-40_97366	3714961.419	666622.1593	1274519.829	22065343.36	988271.2297	2389687.03
>FS-6_57583;>FS-6_41202;>FS-6_38605	15702960.75	2817890.145	33301114.3	2499612.096	24366.12718	7268046.09
>FS-6_5805;>FS-40_99335	25237887.53	4569283.594	46949650.24	6154461.659	41753.31477	28410497.8
>FS-3_11229;>FS-3_11263	13989441.69	2534551.336	6382325.14	26834531.43	7802778.908	0
>FS-40_114493	92739829.25	16802424	115694912	0	5733659.982	652540828
>FS-40_71966	9640221.24	1758450.487	256912.3208	33140442.41	884611.1017	13687609.7
>FS-0_62875;>FS-6_20392	108106445	19776216.92	210005896.9	0	60360914.41	329138524
>FS-40_61861	36706351.32	6734417.959	13972385.22	4261863.818	9101407.025	22900867.4
>FS-40_63760	30793323.35	5669324.356	18023933.69	2164042.337	3059075.17	414177.105
>FS-3_50730	7233331.034	1334859.877	30314842.7	0	0	0
>FS-40_61983;>FS-14_26999	31152764.47	5761676.629	4187683.008	0	279021.6307	8816194.98
>FS-3_4259;>FS-14_15316;>FS-6_27209;>FS-40_105253;>FS-6_27382;>FS-0_22179	20629548.05	3843054.225	3707757.16	6183458.647	708730.1719	845471.033
>FS-40_818	59969881.43	11317305.86	69545740.86	8795573.9	20783875.55	48499073.3
>FS-40_61444;>FS-0_71861	97125651.11	18391632.54	30353556.32	0	3625802.998	107684967
>FS-40_84249;>FS-6_14773;>FS-14_8472	58844935.48	11169138.58	15345351.51	15435141.7	21592668.01	9969193.69
>FS-6_32522	56296689.91	10686408.41	54108663.53	0	2684571.782	51178516.7
>FS-0_70999;>FS-0_26244;>FS-14_22968;>FS-14_22969	13127332.46	2542802.063	2030002.399	714924.0692	7157566.139	10297301.2
>FS-40_92332	35610762.37	6947919.573	1765879.683	0	8276389.535	0
>FS-40_70005	98414251.73	19272185.77	246376187.6	4416651.758	21983458.18	1089150074
>FS-14_22720;>FS-14_22714	45198572.76	8852999.612	85595945.31	0	6905665.838	0
>FS-40_105208	34645567.45	6796605.983	9455778.876	1542993.179	7026646.613	15216621.1
>FS-40_69107	11731613.96	2302490.695	69593480.12	0	179140.0394	10801169.7
>FS-3_45178;>FS-3_48019;>FS-3_43372;>FS-40_40575;>FS-3_45147	20599110.04	4050369.09	4794547.746	2809917.594	134014.0008	0
>FS-6_31887	9968036.534	1960479.546	54684099.92	51330.9355	372203.3538	4902429.62
>FS-40_38281	3273210.354	644035.7178	3669180.808	0	53295.86389	17672150.9
>FS-40_15668	17414379.93	3467385.613	3130336.219	0	11936506.1	10435516
>FS-40_108670;>FS-40_107567	20755033.58	4145451.814	3447679.325	672950.1236	1641370.462	8247786.24
>FS-40_62922;>FS-0_39296	14823736.32	2962677.144	9296511.088	125069654.1	3411264.6	37957652.8
>FS-40_64004;>FS-3_11751	19105760.44	3833020.05	3019604.789	32310435.07	4021333.741	0
>FS-0_39006;>FS-6_291;>FS-40_17370	32796652.19	6586618.015	7282393.375	17859987.04	16133720.97	6949155.69
>FS-0_18422	13583816.96	2744962.305	1510712.685	9491050.876	3870805.087	7985046.56
>FS-40_62574	4998000.574	1011155.449	509723.046	0	19965903.36	5472620.18
>FS-40_52337;>FS-6_26693	33558908.61	6869985.089	29678383.34	411529.9026	3589307.599	37703331.9

>FS-40_812;>FS-0_64208;>FS-0_60741	10324217.82	2114445.239	0	0	10337515.96	961464.25
>FS-11_415	4091861.25	839314.0886	9827290.688	38158811.7	1094824.319	147858.538
>FS-3_29648	63312214.33	13042968.14	85376306.64	0	16134657.08	73986670.5
>FS-40_7037	96769986.88	19991150.8	30532504.31	21999978.79	5405006.023	5552376.46
>FS-14_28127	16046488.97	3316397.324	0	0	2313651.515	606223.316
>FS-11_8784	1745389.916	362565.6064	0	11037228.6	0	0
>FS-11_1648;>FS-40_85042;>FS-40_130210;>FS-40_21943	18027338.2	3766368.095	6217357.23	73638923.94	456536.0331	8244669
>FS-40_70004;>FS-6_4988;>FS-40_53850	115268807.1	24167736.51	167106761.5	4517482.743	18707239.3	619924091
>FS-40_142120;>FS-6_58687;>FS-40_109914;>FS-11_18977	13897917.4	2915675.391	0	0	3114880.246	0
>FS-40_26258;>FS-0_5080	48780823.11	10296059.73	12768457.26	65094337.96	27433074.58	10743055.5
>FS-6_32285	45403851.37	9607018.601	72453441.39	0	2783406.699	312935795
>FS-11_23;>FS-40_30538	50129254.38	10756715.1	70045.14716	28737312.75	383060.638	6513770.91
>FS-40_62928	8925579.69	1917584.642	7968067.117	0	3807683.643	0
>FS-14_18922	59299284.51	12775945.35	39863514.28	0	5016377.38	0
>FS-40_61997;>FS-3_35397	10823040.88	2373160.134	1694006.108	0	41148.63547	0
>FS-3_28428;>FS-14_17293;>FS-6_34346	23919111.91	5283768.042	6088669.245	17610245.2	10507343.61	246348.441
>FS-11_9252	14193147.82	3148929.587	33067083.72	74183371.89	7486092.56	12342815.8
>FS-40_1687	42007310.52	9338239.012	16052492.21	0	40228501.64	1057664.41
>FS-11_1086;>FS-40_91526	4202957.478	944385.2929	6593927.679	19414450.51	28031.61764	975193.146
>FS-11_8557	13899211.58	3147284.056	27902738.59	12483919.49	2782997.024	0
>FS-3_28879;>FS-14_18386;>FS-0_16442;>FS-6_4364;>FS-0_41894;>FS-0_9835	22743254.86	5158800.36	4876966.31	0	2853554.978	3575208.87
>FS-40_62210	218726857.1	49930225.01	33694921.93	1142998.464	2073029.202	783630373
>FS-40_126687	14182836.93	3238918.762	1860833.328	417572.8892	0	19799573.2
>FS-3_32645;>FS-14_16704	116310525.5	26581693.2	19807295.21	15100176.56	61589881.24	6591043.47
>FS-11_648	434305687.8	99822720.41	176114736.7	217446939.9	212296023	43325672.5
>FS-3_10331;>FS-0_54716	9292486.676	2135840.988	208228802.1	615698.6089	36375703.13	5133121.12
>FS-0_47469;>FS-0_48933	21702449.37	4997310.311	76931040.64	93529.19722	927799.3859	343330.846
>FS-40_85553;>FS-3_18815;>FS-6_7887;>FS-40_96231;>FS-3_19398;>FS-3_34617	7046998.327	1635800.674	22137261.75	0	5847039.223	0
>FS-3_31179;>FS-14_16533	42005386.88	9808013.667	156345617.3	4088901.307	74766828.47	3615945.32
>FS-0_17319	133866538.1	31693105.61	104003627.2	1225658.514	53831075.59	41699858.3
>FS-3_29235	12936319.49	3071444.827	9581310.61	34033610.53	9347453.889	0
>FS-11_8996;>FS-3_16446;>FS-3_21573	18351192.43	4387982.361	2444701.805	46218144.2	4885714.242	310173.623
>FS-6_7249	75830682.1	18267041.92	154250187.6	350741.8784	3804875.155	477065201

>FS-3_33716	140341392.7	33896011.73	35812260.05	6017205.942	209435242.1	35907528.6
>FS-6_53739	12780541.6	3108699.442	29826459.7	0	0	6646219.5
>FS-3_38010	15324003.19	3744099.231	13749478.61	0	4702668.625	4252026.94
>FS-3_32457	40386518.99	9884146.434	17195939.58	586527.395	16875596.67	8942316.05
>FS-3_43748;>FS-3_47328;>FS-11_11488;>FS-3_47178;>FS-3_62669;>FS-3_47180	6802737.185	1670173.377	1393767.742	18677282.72	1669249.349	0
>FS-3_59923;>FS-3_15463;>FS-3_59817;>FS-3_59395;>FS-3_14786;>FS-3_17822;>FS-3_12511	80633244.15	19853957.74	67113440.5	51223.03471	41588649.56	0
>FS-40_1888	4320817.642	1068576.658	0	0	10224909.9	971733.497
>FS-3_45326	42186529.04	10502444.28	72489040.27	0	28118673.26	0
>FS-40_7391;>FS-40_21300	16113405.92	4025278.193	2793458.135	0	36346759.37	8024960.06
>FS-3_12860	8663651.811	2166798.532	225133920.8	3924058.595	847382.4361	9827039.93
>FS-6_27345;>FS-0_55396	50394883.58	12609112.41	4344782.966	4263206.662	3250160.326	0
>FS-40_28784;>FS-40_36599	4776502.749	1197539.096	11411208.39	0	620958.3955	25457198.8
>FS-14_24055	29180289.63	7385265.09	52292442.57	0	5324513.753	29913962.8
>FS-40_351	22485140.74	5727565.163	4404874.033	0	7641646.958	13284247.8
>FS-0_63183;>FS-14_8337;>FS-40_76273	15434931.03	3938169.072	728368.4855	25057249.79	4932420.779	1226427.9
>FS-0_2069	82899505.6	21157364.47	203225123.5	0	12785710.86	147576617
>FS-0_57563	53026699.71	13535342.88	83197292.33	0	20462654.83	2846594.53
>FS-11_13583;>FS-11_13251;>FS-14_26000	26566510.81	6783431.99	2233920.821	7894667.823	946977.6328	434310.838
>FS-3_57918;>FS-6_24758;>FS-14_30161;>FS-14_30163;>FS-6_54324	18787689.52	4826578.275	7060216.515	0	2165788.384	21921795.3
>FS-3_46241	50326138.81	13111025.42	36944364.3	0	57262949.11	20134908.2
>FS-6_5798;>FS-3_46296	2564100.035	668124.1668	1368437.586	0	964076.9329	35933.9878
>FS-0_58115	17374120.12	4527509.062	379232.52	5748196.886	5909265.532	5462021.24
>FS-3_30902	15109304.09	3939542.386	30643976.57	0	7356337.476	0
>FS-11_8622	110363780.4	28824363.73	7963372.782	95037956.17	7607077.802	133203163
>FS-40_121343	18756522.68	4901807.272	41366151.55	86677.65306	432731.4663	15448351.2
>FS-0_70745	187109572.2	48998192.1	29705673.66	325321.5526	238415923.9	145420504
>FS-11_10226;>FS-40_132783;>FS-40_38552	8630045.746	2263650.21	0	12476388.58	10680955.7	6944265.44
>FS-40_1239	45341280.97	11970635.79	14051454.94	0	31796264.3	17635750.6
>FS-40_6505;>FS-40_9942	7221268.589	1911013.336	39106783.45	0	348506.0348	2757439.98
>FS-11_13318	23387853.2	6192524.339	14876661.71	37581133.35	7883318.06	0
>FS-3_32525	52394932.67	13906361.79	30455199.21	18365810.19	21536109.15	24157139
>FS-3_2445;>FS-14_15125;>FS-11_12994;>FS-6_55839;>FS-6_14427;>FS-6_21002;>FS-6_15344;>FS-0_47900	28914617.66	7719981.777	18740094.12	0	12426468.07	1639053.51

>FS-0_29722	62577042.8	16744310.69	13774519.97	0	32461237.53	22590594.6
>FS-11_9523;>FS-40_63242;>FS-40_112598;>FS-6_5212	44550467.91	12013491.47	27397162.46	757695.718	3274973.643	14303073
>FS-6_42558	367631323.1	99463612.08	45492241.79	1704553.01	1559119682	152353873
>FS-3_9723;>FS-0_68384	50274524.59	13708527.29	14521968.35	52285815.36	18119346.12	5830757.65
>FS-11_18448;>FS-3_57133;>FS-11_4446;>FS-3_29728	20740580.65	5657942.825	5223553.363	135932889.3	6979195.482	8759024.06
>FS-40_79867	46179956	12754533.47	131164015.9	55561638.71	20368260.68	1260296.99
>FS-40_1272	37659026.5	10448788.66	7306442.138	164703.79	10024733.85	0
>FS-11_1158;>FS-40_44445	31000888.07	8601675.601	130529006.2	43495817.06	17040654.54	6673913.45
>FS-3_54538;>FS-11_17386;>FS-0_33762	61058965.39	16972194.04	39730032.73	93642385.64	19905817.41	35170420.4
>FS-6_27501;>FS-0_18347;>FS-40_96658	64314785.27	18001995.51	74889041.38	0	3791960.547	96639781.7
>FS-3_46581	58435423.26	16440184.28	31372425.16	173054720.4	9425483.691	0
>FS-40_104205	27858015.26	7860789.684	15498976.26	0	7005064.025	13362479.5
>FS-6_28522	22783932.66	6485786.795	18876856.83	15765192.86	6203609.994	47899152.5
>FS-11_12318;>FS-40_9765	193686388.2	55183618.98	154740534.7	403163689.7	65780183.68	11902380.1
>FS-11_19084;>FS-3_19507;>FS-11_13632;>FS-11_11233	23987145.81	6838647.004	22515976.48	258356695	11633294.42	1195826.05
>FS-40_12959;>FS-40_75140	8757962.271	2503104.827	14934928.04	0	167876.799	990386.04
>FS-11_8868	33338428.72	9562609.983	23853136.99	126104492.2	15533419.12	22288269.8
>FS-0_19074;>FS-3_6959;>FS-3_23281	24527733.21	7068811.273	90090223.95	502335.2549	96871.43659	11681567.5
>FS-40_47649	8916300.288	2579274.826	464457.3449	0	74945.978	68939.7569
>FS-6_32312;>FS-40_21314	15055134.02	4365108.874	12227108.5	397493.7021	3803266.072	161847282
>FS-40_14114;>FS-40_103703	82586522.11	24007243.16	4654285.691	0	5575420.934	14427886.3
>FS-6_26805	48565866.43	14125601.94	65969528.37	79137.88253	15638948.14	35217730.5
>FS-3_50170	4495510.592	1307739.583	0	48181084.05	140226.054	0
>FS-3_30242	4409516.798	1282862.366	809432.2871	0	66114349.13	3652842.93
>FS-0_79054;>FS-0_23436;>FS-40_34747	83895072.42	24451438.99	13645414.16	0	33783746.76	2157965.26
>FS-6_39005;>FS-6_41428;>FS-0_69674;>FS-0_71077	22711655.78	6624079.802	50509160.37	22208171.32	609782.0506	41525078.3
>FS-40_28660	15870372.41	4631008.855	63575259.31	1880374.163	2036846.014	0
>FS-3_31809	15605500.64	4574025.165	7726871.824	594336.4365	3475923.912	920908.75
>FS-40_29597;>FS-14_23475	6989016.708	2054320.071	109091.1528	1454075.407	0	8040274.86
>FS-40_76527;>FS-40_71162	16961943.83	4992644.573	4660888.417	0	2040198.115	4222414.7
>FS-11_9216	11640315.47	3430916.582	2893073.38	80967121.91	1877789.528	1447560.13
>FS-40_31422	39468660.91	11815757.34	0	0	0	17535339.6
>FS-11_9337	34579426.27	10397281.93	744788.4021	42597654.94	14524419.63	12198643.7
>FS-3_18808;>FS-11_12154	10479361.94	3188289.267	27485347.36	43886136.84	4972069.427	0
>FS-11_4788;>FS-3_61954	7955934.083	2430556.314	481798.0512	101832072	2104138.076	0

>FS-40_118974	8954048.484	2736950.365	335827.6501	46926.01665	11082923.72	0
>FS-11_8851;>FS-40_67722;>FS-40_135078;>FS-3_6948	17755301.01	5428625.912	5216260.761	66021828.38	25208827.63	32968609.1
>FS-40_118505	6145026.157	1883078.78	134202562.3	4424459.699	48497961.7	10447381.1
>FS-3_21848;>FS-3_16580	1647523.322	519826.4997	28709366.82	0	4746.242557	0
>FS-3_58858;>FS-3_9784	15511378.75	4897682.294	923069.7605	42380424.89	0	293840.516
>FS-40_76975;>FS-40_83596	15491532.89	4899125.204	35853304.59	161518.4741	0	124603022
>FS-40_63872;>FS-0_61710	38978314.16	12383268.21	6195130.491	0	9687240.581	267159.837
>FS-3_500	18211298.83	5809893.697	26789242.12	0	34813277.3	0
>FS-40_6827	7341923.86	2353550.661	482474.8192	16106006.27	61642.851	5848234.22
>FS-6_10028	29973709.98	9678171.029	75454407.28	10682076.29	607575.5133	287591828
>FS-40_19048	88095677.46	28472652.81	26658976.99	281624383.9	86049270.16	780143655
>FS-11_18720;>FS-11_11232;>FS-11_13631	18734744.88	6105349.086	15794075.84	168948423.2	19867952.56	4066020.08
>FS-40_97571	12061476.6	3934305.333	6964815.1	0	4186118.314	1073133.33
>FS-6_1422	20604364.79	6731041.307	13441088.69	0	8032750.112	292891273
>FS-0_61350;>FS-0_29930	27266586.78	8960109.396	4657151.058	0	10983477.54	21927011.1
>FS-6_11625	69690565.6	22912578.06	76586969.14	0	11389140.34	115878836
>FS-11_10269	31645971.77	10415032.49	15512915.08	47603039.85	9046123.827	0
>FS-11_6027	44281501.46	14593497.92	22013580.78	108918210.1	35386085.34	1430047.88
>FS-40_1373	177347962.6	58491344.42	39812714.96	4498805.526	56312655.77	14798383
>FS-0_24855	30153027.54	10019301.82	71466585.34	0	7430146.167	3822579.37
>FS-3_33783;>FS-14_18238;>FS-6_12936;>FS-0_50238;>FS-0_51845;>FS-40_12145;>FS-0_71085;>FS-3_18753;>FS-40_37232;>FS-40_62719;>FS-0_54111;>FS-6_38770;>FS-14_8457;>FS-0_54112	9944924.445	3330395.715	8018088.876	0	5141272.875	318680.081
>FS-6_56260;>FS-6_18574	9231402.311	3101980.951	22178982.84	0	2723831.645	0
>FS-40_62443	47217729.67	15897755.23	4427342.674	15346424.66	8073026.09	702043.726
>FS-3_56872;>FS-40_63568;>FS-0_5060;>FS-14_28548	43103078.06	14661918.05	26600223.83	85895.91764	4858334.132	6881451.2
>FS-3_1219;>FS-40_62796;>FS-11_493;>FS-40_115676;>FS-40_110053	8056915.537	2756046.956	9102362.1	41853662.67	0	0
>FS-6_31362	53014633.28	18212307.98	72133771.53	2342621.141	14956655.65	77299597.4
>FS-0_71587;>FS-40_38506;>FS-40_113871	29661152.49	10232776.43	2021670.402	7543110.815	11575041.03	2354202.28
>FS-40_77591;>FS-6_35400;>FS-6_10482;>FS-6_46256	66685637.27	23102797.03	362044140.7	516760.1139	102754033.5	2024947.22
>FS-40_1400	99072714.82	34325050.11	29085517.43	1717499.885	347003161.9	35451756.2
>FS-6_13606;>FS-6_45651	22461562.11	7800901.399	24361536.44	0	0	0
>FS-6_8775	2848637.84	989608.8384	7104338.918	0	5038571.346	157542.449
>FS-11_4450	15209246.08	5395231.794	3072841.8	49410920.26	8283895.425	33014228.3

>FS-40_896	148485928.7	52968256.03	279427270.5	14741564.23	33548773.79	717504555
>FS-3_31180	33220772.56	11895935.47	81291086.72	201576069.6	53400135.4	11352121.5
>FS-3_56173;>FS-14_2471;>FS-0_38950	53336874.51	19140150.17	13859899.3	1135306.854	8956152.412	1602519.09
>FS-0_234;>FS-14_4966	31044252.19	11152224.25	20347956.54	0	9254834.753	3436216.56
>FS-3_571	42148631.41	15278893.06	20800972.74	318920.4975	12346320.29	41364111.8
>FS-40_107263	49180426.58	17846212.64	19991327.5	0	34116792.37	38249954.2
>FS-11_8777	27132506.57	9860317.035	6494670.758	82486037.96	10215661.03	175045.928
>FS-11_80	8953684.731	3282073.974	10139949.81	110501955.2	3454927.975	2138741.02
>FS-3_1489	156765005.6	57521020.18	26303184.67	88475.54099	613019268.4	74316350.3
>FS-11_8351;>FS-3_10113;>FS-3_9779	8453600.486	3123872.374	3134836.245	22079416.29	2264085.45	9807196.33
>FS-3_17746;>FS-3_45019;>FS-11_11750	33433007.24	12405142.03	11321857.33	174830322.9	151394.6552	0
>FS-40_33454;>FS-11_8282;>FS-11_3979	13246014.34	4960121.342	22409033.88	9142623.187	112818.0894	4466730.81
>FS-3_29920	5870003.384	2198576.14	6263740.564	354795.2972	172661812.1	3533595.85
>FS-6_27998	15860211.3	5961687.755	4482924.656	5766824.325	300693.6595	1942111.67
>FS-14_1099;>FS-6_38321;>FS-3_3356;>FS-0_68398	43550619.02	16387108.18	13941749.86	14101195.12	241899.233	2735964.72
>FS-40_48136	37459896.22	14126258.8	48379093.64	64238894.8	11846378.48	0
>FS-0_38185;>FS-14_22266;>FS-3_57068	46228169.19	17495097.7	13098904.54	0	43362154.94	18003136.3
>FS-11_9211	82677523.44	31349665.9	46879012.9	226063504.5	74383748	23559668.9
>FS-6_5169	7359441.381	2805517.454	2212170.251	783687.8689	736868.1265	46496799.1
>FS-40_13579;>FS-3_40568	7969055.61	3047934.292	241522.8176	57145228.18	355207.2125	0
>FS-40_62025	95785141.34	36785842.27	5941227.783	7114716.972	2486590.057	160170.254
>FS-40_61527	34996092.8	13454201.15	15207446.57	35370015.83	6412778.386	1212760
>FS-3_42746	1348667.613	518668.5065	189736.2757	17945162.64	0	3614442.01
>FS-3_2653;>FS-14_169	109205507.9	42009477.36	277400171	2333377.578	72617453.7	2315163.76
>FS-40_95220;>FS-40_94033	36270463.56	13957118.24	46513408.93	695013.6766	0	74179043.7
>FS-0_20348;>FS-40_18331;>FS-40_41995	29495262.11	11475351.53	3611023.246	596801.9374	62818830.76	3005896.63
>FS-40_63848	55785679.71	21927785.55	10407512.97	199862383.2	78358089.35	223615600
>FS-6_15112	8662770.733	3412554.474	10933565.46	537208.398	4213663.916	3793844.45
>FS-40_14653	37928088.13	14985095.37	1174006.977	84814.35689	3081724.207	0
>FS-11_18072;>FS-40_18055;>FS-11_10190	7415593.74	2958725.206	5890441.117	21977082.05	3126680.619	0
>FS-11_11169	17553169.56	7010764.154	4351965.196	118716506.1	11864666.28	16606601.6
>FS-40_111991	2348775.082	962393.3996	6595550.387	0	4504134.721	68471413.2
>FS-14_23857;>FS-40_28387;>FS-40_74871	18024009.7	7433904.286	14005416.05	0	6493993.823	2973777.15
>FS-40_61954	37941577.48	15656797.26	869217.7655	49597608.42	9933897.718	0
>FS-6_884	27882364.23	11583702.52	23424364.28	29372.65865	3137116.666	56755746.2

>FS-6_35841;>FS-3_46947;>FS-11_8952	27014856.76	11281269.91	40372868.85	6472791.509	6527543.528	33960397.3
>FS-3_29730;>FS-6_44253	13578193.77	5704227.468	4742790.381	125473.1229	8641957.244	0
>FS-11_709	22078457.72	9314622.323	2849207.777	18431727.22	10561689.47	4814897.42
>FS-3_575	15065850.1	6357314.422	29907661.57	7227286.77	20427996.53	10289719.3
>FS-3_47586;>FS-3_48036;>FS-3_46300;>FS-3_48369;>FS-3_48871;>FS-40_81506;>FS-0_20979	95125041.96	40204084.98	52201215.81	348348471.8	47568001.91	76727370.6
>FS-3_32064;>FS-0_39121;>FS-6_10272	1069463022	458409313.5	220632314.5	1131172007	966636769.9	1342084347
>FS-14_1876;>FS-3_56157;>FS-0_29187	41533355.26	17843853.97	89531318.93	894337.437	17705559.47	11177929
>FS-40_76147;>FS-40_47513;>FS-11_12342;>FS-11_13914	11345300.07	4876801.595	12603262.64	93067173.76	1317711.202	20621888.5
>FS-3_10692	117346.5033	50451.15624	3753494.481	0	409297.4228	0
>FS-11_8444	18639360.45	8114423.405	26806681.27	32992975.36	19803976.53	25126521.1
>FS-40_33798	66683815.99	29043632.7	2200453.768	152324.0424	248428.5335	121665.528
>FS-11_12735;>FS-3_42236	4984809.562	2188096.781	2699014.684	27455334.68	6491298.342	2824710.71
>FS-0_81238;>FS-6_33480;>FS-6_14249;>FS-6_18415	1094323.185	482057.6451	258452.0222	0	1180715.653	50835303.1
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>FS-40_82938;>FS-40_123445;>FS-40_122480;>FS-40_124271	24186486.85	10893875.25	19574505.52	0	21348660.45	0
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>FS-3_55798;>FS-11_8219;>FS-3_42606;>FS-40_98053;>FS-40_53673;>FS-40_95460;>FS-14_355;>FS-0_1648	19969481.86	9131674.512	26474992.38	167030.5735	59156802.11	43564031.1
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>FS-6_29954	27009662.77	12406119.8	20564142.42	0	79542.62281	3705490.83
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>FS-11_9862	9511248.625	4387032.288	10710150.57	2323995.568	11591913.19	0
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>FS-14_24059;>FS-11_13238;>FS-40_5963	246027.0042	113700.8224	1071037.923	525862.6929	128036.9652	0
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>FS-11_10425	74930409.04	34952752.86	44916185.54	991620954.8	50629791.94	43048066.5
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>FS-11_13430;>FS-40_27237	1653463.817	795872.2217	950776.002	30330811	2658701.215	1466356.37
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>FS-11_5973	15965122.19	7882313.318	8132063.278	93671827.36	4125191.183	159472.006
>FS-0_32617	22493538	11173691.61	42217918.74	337244722.4	3287280.045	40960613.9
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>FS-40_47214	17448556.93	9152755.127	46750666.18	5709740.438	53868250.48	138722480
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>FS-3_12839	42322184.55	22297642.65	109849871.6	0	37505959.41	0
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>FS-3_33552;>FS-40_80741;>FS-14_23573;>FS-0_65391	28886252.64	15644331.49	21352063.82	7895468.26	28424271.34	21906023.6
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>FS-40_63328;>FS-0_27867	11203487.51	6107338.271	1490694.78	0	540547.8996	1387951.26
>FS-3_423;>FS-14_18317;>FS-6_28755	68594078.13	37540340.1	138497521.4	3347945.875	33383489	924297.066
>FS-11_14726	991466.3841	544368.5641	0	55430357.87	6439794.715	0
>FS-11_1101	9624930.238	5289514.365	7352123.397	15647526.11	1693882.686	4432504.67
>FS-3_4311;>FS-14_56;>FS-0_42070	23786613.47	13072379.4	0	0	680629.195	4633727.62
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>FS-40_46671	16137418.6	9149530.715	9537135.879	44079663.3	496944.2881	3973980.14
>FS-3_4496	276064874	157427868.6	202673921.3	47410731.37	378156630.4	13779145.5
>FS-40_13894	40659432.6	23215146.18	44333297.5	8193.639449	15231925.47	1917286.09
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>FS-40_37483	12565795.65	7184778.275	5480813.43	0	9988164.131	6536865.97
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>FS-3_56275	45888218.03	27282124.26	87077186.2	907350.4438	9769837.905	12963554.4
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>FS-6_13051	23776536.31	14167226.63	17291341.86	106645590.6	27690713.25	87818.0296
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>FS-3_192;>FS-14_16099;>FS-40_67616;>FS-0_66577	228858613.1	137906989.2	185237902.9	22805182.09	57926988.69	80955579.7
>FS-11_9837	16145275.79	9779921.073	8497718.145	114876291.3	3410478.901	2122356.59
>FS-6_34368	290657804.8	176639811.8	102658503.1	7850818.695	1186376389	269367023
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>FS-3_32205;>FS-14_2326;>FS-6_27603;>FS-14_17493;>FS-0_54641	3540019.688	2156086.979	22848.41756	365809.1406	1168606.563	359952.116
>FS-11_9795	44815879.54	27409360	13259183.88	81168231.25	6370450.635	1600000
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>FS-3_30127;>FS-11_12033;>FS-40_27537;>FS-11_13891;>FS-11_12233	4954859.506	3052790.529	11854553.65	28679638.18	5108023.263	364887.69
>FS-3_1325	7005627.607	4322494.493	9734110.584	7806452.402	1100512.618	884243.599
>FS-3_9484	3384664.548	2097765.067	3532185.277	28282650.05	0	0
>FS-40_1341	114755592.5	71411670.4	43473565.15	29237637.17	1287976.347	85112971.2
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>FS-3_13965;>FS-11_2678	5934947.334	3699419.194	0	17316119.43	3321735.248	0
>FS-11_8970	4866500.29	3037842.966	6636214.941	10340986.24	553323.2586	374569.469
>FS-11_13715;>FS-40_24796	4414446.418	2785372.777	0	24010827.31	4528694.66	0
>FS-3_20742	12388182.27	7828311.969	14647996.39	54481194.74	18610301.35	2190859.71
>FS-0_64878	9267900.418	5856910.829	0	1252173.513	1551879.685	5092248.86
>FS-3_292;>FS-14_15135	74555681.89	47526636.38	7155952.827	3601778.084	12782927.28	3107799.53
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>FS-40_64566	40715453.37	26286191.34	31267254.78	107835174.3	116947254.5	41375682.1
>FS-11_1060;>FS-40_21797;>FS-3_29069	18300654.08	11838338.34	10154092.94	67593452.86	30789005.01	0
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6_17980						
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>FS-3_4464;>FS-3_990;>FS-14_15167;>FS-0_61068;>FS-40_13490;>FS-14_22593;>FS-6_33434;>FS-11_2342	27378226.2	18004555.46	28874813	12229862.38	9042170.724	1390850.41
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>FS-11_12199	13432191.12	8978755.224	5797402.222	224232176.8	604697.2609	12478239.3
>FS-3_2016	83659967.39	55989716.05	55268873.17	363806908.1	24585931.72	313866293
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>FS-3_42964	12475470.51	8445255.407	3268929.165	121235408.1	2335915.877	39355917.7
>FS-14_17936	7635700.977	5194603.973	12855604.96	60689.59453	1117792.376	5068632.68
>FS-11_2516	17077003.12	11660098.65	20193914.85	69917424.47	9560618.115	40686158.1
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>FS-0_18434;>FS-0_20698;>FS-3_34842	16544133.46	11407042.11	2845383.077	4237443.661	6607319.894	7135688.2
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>FS-40_128323;>FS-40_9788;>FS-11_4796;>FS-40_100051	5770215.264	4022002.74	26983292.86	44802341.55	33161.05753	119884746
>FS-3_32271;>FS-14_95;>FS-6_28656	16436395.42	11461425.4	7928949.07	1422210.479	20231819.63	1164296.87
>FS-40_111332	12147766.62	8492349.085	37511382.3	0	1850057.169	788202.714
>FS-3_30390;>FS-11_14282;>FS-11_2358	5051858.97	3533729.604	0	29045747.65	1906307.575	0
>FS-3_28767	19026622.46	13356816.47	4789520.068	81842677.9	10584084.99	672646.427
>FS-6_36697;>FS-0_55540;>FS-40_42043	27524181.2	19386513.2	12276968.33	0	5173928.128	53927965.1
>FS-11_14254;>FS-6_57981;>FS-6_41764	26057060.41	18549340.25	27271080.35	294836021.1	7968109.597	606365.982
>FS-40_63546	8836167.515	6299250.073	2557030.919	0	5305509.514	23154223.8
>FS-6_39978;>FS-11_533;>FS-40_89070	174275185.4	124290632.1	219831209.7	307993148.4	75593062.46	66036472.9
>FS-3_10450;>FS-40_73883;>FS-40_72876	13246664.85	9536164.736	24204330.09	253746157.9	2576365.709	0
>FS-11_1703	6865005.659	4951038.326	5452149.838	74553669.81	4563275.211	0
>FS-6_14177;>FS-6_6395	29382946.06	21208280.64	377676359.3	423157.0174	7175993.776	0
>FS-3_29592	59481115.9	42998277.19	73287509.09	88528047.9	56328198.38	858872.14
>FS-11_601;>FS-40_94461	24606759.49	17797119.58	18865197.88	224353725.2	2983091.678	11989647

>FS-11_9819	18635300.64	13520976.71	53725183.68	1627113.206	12168063.09	10545373.6
>FS-6_38491	3308349.278	2402607.543	8894576.142	23988970.14	274315.351	0
>FS-3_31761;>FS-0_16611	10770270.97	7822236.597	3172898.056	4972993.157	8727409.963	6536597.47
>FS-11_11272;>FS-11_14703	17986374.71	13066264.03	17426415.63	3216269.252	2725493.949	22642530
>FS-3_4366;>FS-6_35386;>FS-14_832	40399892.47	29349620.48	55879062.66	4457343.575	43506221.9	3626568.62
>FS-0_22206	25815852.54	18864116.87	8877171.733	0	40023010.94	14740165.5
>FS-3_32976	18185287.5	13331130.7	21695004.79	2398354.28	157603195.1	11038980.7
>FS-3_31896;>FS-14_16508;>FS-11_11912	123140169.3	90362971.7	67035354.52	8426927.307	31757425.56	248710645
>FS-11_9319	2526321.367	1855662.694	3609759.975	14907776.26	3267.392686	83316.027
>FS-40_53175	5567346.09	4091370.085	119534123.2	3153701.745	37913070.39	15051208
>FS-6_5573;>FS-6_34735;>FS-11_9194;>FS-3_30492;>FS-14_7563;>FS-14_2983	18656442.69	13712105.7	5059143.549	0	3320314.411	1321562.31
>FS-11_8570	5233699.916	3857073.35	6909635.114	23248017.66	785630.1989	28503967.2
>FS-0_22205	120052263.9	88530853.51	64320572.38	0	100355707.4	53658774
>FS-3_973	53076644.06	39336822.24	151346360.6	40265.54977	13578430.58	612607.618
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>FS-3_1172	72357812.47	53709749.41	22793683.65	81640906.28	27916325.34	1841088.21
>FS-40_931	59146860.93	44197167.25	22980092.49	533353253.6	5989548.304	25639466.9
>FS-3_422;>FS-14_18318;>FS-40_94404;>FS-0_57781;>FS-11_11193;>FS-0_76641;>FS-6_54531	80996783.12	60582247.32	61273581.29	0	14872941.41	31810358
>FS-6_1881	48898135.27	36724916.35	160280670	6433860.52	35679478.08	915854895
>FS-14_15402	6557928.884	4926998.861	18801533.78	131484492.2	20442434.21	7386309.01
>FS-11_10230	3768805.817	2842314.276	1317698.439	33667257.25	230050.5849	1795451.06
>FS-3_32070	148957609.1	112543184.6	122987593.9	3680552.293	18104726.7	39029283.3
>FS-3_2941;>FS-14_14984	225492738.1	170416529.1	220905983.3	69195357.43	351397534.3	15512008.7
>FS-3_674;>FS-6_27347	9223392.794	6980065.676	3749234.214	495940.164	19652422.46	0
>FS-6_26696;>FS-3_28697	10418882.93	7889713.756	2797799.675	292941.452	6913351.872	0
>FS-3_2031;>FS-0_59181	28495721.73	21606655.27	74020276.36	4845312.87	60034413.49	2881909.81
>FS-11_10302	12569056.07	9548826.511	11579907.89	283089315.8	19568963.85	35165237.5
>FS-40_113541;>FS-40_114662;>FS-14_21842;>FS-14_6060	20797308.93	15969363.53	12646332.27	75815676	26857763.14	2223377.6
>FS-11_385	12263775.18	9417319.624	12589538.68	87350637.2	3957210.568	769584.753
>FS-11_9058	2446360.756	1880383.375	3523961.287	34162565.43	2128805.042	25869617.9
>FS-3_262;>FS-14_15405;>FS-40_781;>FS-6_5326;>FS-6_7435;>FS-0_3800;>FS-0_5468;>FS-0_5423	33668488.01	26001538.33	32985017.46	0	31520262.26	2068931.53
>FS-11_17536;>FS-11_549	24844392.12	19186964.45	10155544.2	76560558.85	22625159.03	0
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>FS-11_9162	3499580.639	2704919.182	3960357.722	14640242.76	1249942.783	0
>FS-0_19291;>FS-0_33245	1321500.347	1021977.992	250821.1119	1939886.088	457176.2028	23626642.8
>FS-3_29584	26589570.23	20622338.67	123913972.6	2398501.279	84810543.09	53877227.4
>FS-11_14356	8739626.05	6780876.981	5450103.32	148453391.1	2548098.242	0
>FS-40_25126	96705341.61	75433587.06	70143542.57	30731.12443	137822.0827	9742954.73
>FS-11_1465	12590355.93	9838546.47	15108903.57	59590624.55	1480095.869	3235803.73
>FS-11_203	8928114.844	6984499.97	18901860.15	46074040.46	4109619.992	6890225.6
>FS-3_59229;>FS-3_11621;>FS-3_11622	856171.407	670560.6548	0	8139042.252	411295.1027	0
>FS-3_3030	59122028.65	46430255.74	89261096.68	11343122.94	23405257.14	26771285.6
>FS-3_32012;>FS-14_18249	30830244	24483193.79	51981534.74	56564651.22	9778251.635	3907808.72
>FS-3_3577;>FS-14_1621	43727744.88	35203335.2	142385197.8	208795905.3	84919181.89	10798832.7
>FS-14_15874;>FS-3_3389	42491167.83	34445871.76	72167937.41	7063540.428	66296699.34	11886046.3
>FS-40_14113	25520300.51	20690620.58	123303967.1	0	689674.8176	268451242
>FS-3_2961;>FS-3_31485;>FS-14_16849;>FS-6_34757;>FS-40_38917;>FS-6_35829;>FS-6_8685;>FS-0_1538;>FS-40_44693;>FS-6_39041;>FS-14_7942;>FS-14_32196;>FS-0_19213;>FS-14_10769;>FS-14_19447;>FS-40_96140;>FS-14_16850;>FS-6_56394;>FS-14_13671;>FS-14_23445;>FS-6_19718	58042812.34	47108808.77	102452642.2	14348773.22	46906675.73	0
>FS-0_61547;>FS-0_68830;>FS-6_20361	17947133.81	14577777.62	129482169.5	0	0	14600355.7
>FS-11_14964	3395598.293	2768612.517	0	33061167.45	0	0
>FS-40_114141;>FS-0_22930	30682287.95	25094404.31	1226171.078	12365359.05	25181968.37	39691651.3
>FS-11_8404	33326725.15	27269959.01	27089730.56	58690550.05	10949052.17	11406988.5
>FS-11_5336	9139610.885	7496635.126	6384946.162	100977927.9	134404.787	1245224.14
>FS-11_9827;>FS-40_114310	9130576.304	7489692.854	2522603.82	94293404.38	3132573.592	11871978.6
>FS-6_27300	16623916.29	13646400.31	16063807.72	0	15637278.09	9811794.54
>FS-6_42467;>FS-14_18432;>FS-40_70977;>FS-3_56883;>FS-0_54315;>FS-3_30950;>FS-6_40514	3400825.84	2797757.977	37842.10481	0	4162.882682	2163885.85
>FS-3_33189	50404988.18	41774426.45	76960507.92	7966535.832	62533692.14	10036915.6
>FS-11_8674	24298779.48	20267915.18	6659924.268	73734907.37	9378977.768	8456190.87
>FS-11_175;>FS-3_15137	24304381.3	20292678.96	16906747.08	60208270.78	19533624.87	9189321.99
>FS-14_5190	16757687.17	14014602.66	55128129.73	0	4304519.526	19710137.6
>FS-11_8969	13349060.22	11170689.28	6171338.777	131912112.5	4771905.714	138803.938
>FS-3_4346	18154214.2	15334447.4	2088355.503	0	7919794.558	621238.908
>FS-3_28780;>FS-6_6691	31063212.35	26244568.15	28204703.66	132307286.5	31936857.48	13238937.8
>FS-3_56393;>FS-14_31010;>FS-40_61777;>FS-6_26915	23392575.23	19789420.63	63324611.63	594594.4108	3982889.25	26175072.5

>FS-3_2062;>FS-14_610	30257221.67	25661751.72	15385310.29	36677740.01	47964300.14	636329534
>FS-40_29765;>FS-0_20617	38136024.27	32499790.64	2663125.549	22411357.37	5189534.675	6475950.58
>FS-6_8339;>FS-0_39194;>FS-6_35832;>FS-40_34037	88093756.89	75089426.77	6817503.955	0	18713.16041	10467248.6
>FS-11_10301	27219084.49	23235854.08	40047956.84	405963135.4	27014755.22	29263108.8
>FS-11_202	1780634.474	1521218.671	11805484.53	84755959.93	161023.4864	264925706
>FS-11_9180	9755722.204	8349642.425	18641668.12	258188438.1	8028896.861	13715191.7
>FS-11_586	26302182.51	22534922.55	36473047.15	393303543.3	54542093.34	889750.783
>FS-3_1270;>FS-40_30920	20796113.82	17888096.33	10354960.68	1605118.119	16833919.59	0
>FS-40_78799	5740074.108	4958475.611	22727385.74	0	21631.72075	16840477.3
>FS-3_3587;>FS-14_30791;>FS-40_61648;>FS-0_21066;>FS-40_68610	121833127.4	105722266.5	139423398.6	9059629.617	36787705.5	3167897.57
>FS-11_9159	22508732.79	19746120.51	16924390.19	30594134.77	718602.295	12592245.3
>FS-3_31642;>FS-14_16506;>FS-6_11603;>FS-6_33107;>FS-6_36216;>FS-0_16037;>FS-0_77685	26967084.8	23727235.43	20062802.25	0	7446672.796	25872827.9
>FS-3_1760	14579437.02	12900980.13	9942323.107	7903778.539	23135354.64	259191.818
>FS-6_9404;>FS-3_42142;>FS-6_21327	28975681.48	25693036.17	106230896.1	1387654.523	12146436.77	14502929.6
>FS-40_61505;>FS-3_2622	56449665.45	50175003.63	36282222.93	54423836.54	31929774.22	4154075.99
>FS-3_32226	14909523.01	13273186.43	64628669.7	13831160.89	28427864.61	4036556.69
>FS-3_33131;>FS-0_64558;>FS-11_645;>FS-40_90752	13203110.75	11758252.95	137226813	36022021.65	50385452.37	0
>FS-3_2654;>FS-14_1479	51359670.32	45755079.85	98900021.97	6556066.364	76617767.36	44790912.4
>FS-11_11487;>FS-11_12317	4344531.455	3872579.971	3553884.201	7786975.24	18508.86784	0
>FS-40_73253;>FS-40_33097;>FS-3_3586;>FS-40_92039;>FS-40_102710;>FS-6_47780	30606612.17	27339182.55	0	0	11497707.43	0
>FS-3_17139	19710188.6	17616021.87	19529359.44	131565243.5	8312112.012	17567543.8
>FS-11_9694	13848392	12451233.34	9894840.325	156033140.9	10948599.18	305468.14
>FS-3_42963;>FS-40_96350;>FS-6_44127;>FS-3_31810;>FS-6_586;>FS-40_83;>FS-14_15971;>FS-40_20413;>FS-40_72243;>FS-0_44276;>FS-0_16211;>FS-3_7243	3679181.792	3317339.141	914732.8408	20538176.96	0	0
>FS-11_10	3249466.093	2946001.876	1145488.706	20928815.58	157666.0692	3719013.65
>FS-3_28598;>FS-14_2023;>FS-40_15204;>FS-0_27658;>FS-40_110021;>FS-0_61102;>FS-40_103817;>FS-40_28116;>FS-14_24596;>FS-40_25595;>FS-11_9811;>FS-0_44534;>FS-0_54078;>FS-40_113065;>FS-6_44708;>FS-40_95619;>FS-0_52278;>FS-14_24597	7754186.818	7046464.817	32102754.12	19430327.28	253059.0464	11972396.6
>FS-3_5919	6521043.085	5931120.255	56036475.8	32080.55964	15050432.16	0
>FS-6_8042;>FS-3_4800;>FS-3_8331	39462734.35	35968267.19	84346543.71	67524.39289	47232477.1	0
>FS-11_2751	11978910.46	10934319.91	2226248.64	196217525.7	30248567.83	7697660.87

>FS-3_29808;>FS-0_38243;>FS-6_44649	88100947.94	80475786.13	177171320.2	12988692.77	100737102.2	8063295.43
>FS-3_59285	2990203.292	2734300.939	2896152.075	92083538.9	3297596.607	0
>FS-0_37581	35768556.07	32724610.42	3888009.214	196287583.7	0	22040209.1
>FS-3_43087	16129997.48	14767370.73	13386829.6	5967.206306	18816025.18	0
>FS-40_10469	1096637.228	1012913.912	3248018.86	27587506.17	0	51970178
>FS-14_21339;>FS-3_39093;>FS-3_43722	12051430.36	11221538.94	18111920.64	0	512353.4133	10543014.2
>FS-40_42194	9025613.292	8405986.16	6353268.601	118466346	3347097.72	277556.619
>FS-40_104083;>FS-11_1503;>FS-14_10501	907052.5673	845508.2102	4074425.416	14987467.74	0	6233432.31
>FS-3_19382	16717623.08	15626157.58	7587886.854	65134329.02	6121718.467	7052530.6
>FS-40_117520;>FS-11_13704	144675126.6	135300676.6	40905532.76	488268063.8	74046313.61	6536262.69
>FS-40_9782;>FS-40_17555	1810164.983	1694560.119	236260.0171	0	0	18560282.7
>FS-3_31545;>FS-14_17387;>FS-0_27824	5040318.723	4730001.969	5150566.045	1995959.495	18139363.95	788871.407
>FS-11_1102;>FS-40_23922;>FS-0_66940	3990844.412	3747982.048	106574.9379	11582811.45	19233.97219	3290304.96
>FS-3_44524	100917842.4	94902541.18	92970293.35	241732232.7	205722535.4	20312692.1
>FS-6_33335	14311536.02	13473133.47	11016347.58	120491961.8	8470778.628	588364.131
>FS-3_31590	588769014.5	554982645.7	277598426.2	113799858.3	350278557.8	166713713
>FS-40_83205	26677911.19	25324801.81	19905653.89	0	6397645.468	0
>FS-3_28292;>FS-14_18467	26211589.73	24906856.37	76945588.54	13263495.82	14660316.44	29006108
>FS-3_31292;>FS-3_30041;>FS-14_6705;>FS-0_59357;>FS-40_80628;>FS-0_27016;>FS-40_131460	35592131.57	33851974.97	49721385.23	12577201.76	4954866.614	29319278.2
>FS-3_38938;>FS-3_39601;>FS-3_42761;>FS-3_43479	92806586.19	88784606.81	456481981.2	122853194.8	98541617.65	3888003.98
>FS-11_2485;>FS-11_2620;>FS-11_3983	20001283.56	19208685.88	9521798.559	82384163.14	2426688.57	7641643.37
>FS-40_76927;>FS-40_79980;>FS-3_42119;>FS-3_42619;>FS-3_41970;>FS-3_43184;>FS-3_43936;>FS-0_64879	19770266.74	19007353.87	32971495.91	321010581.8	53522160.28	4693694.3
>FS-3_30726;>FS-6_43240	5444558.802	5235359.056	1886847.094	3863759.958	13723183.85	59689841.7
>FS-14_14299	474752.3228	456782.0289	13576275.13	160169055.8	2405610.153	199161.675
>FS-14_1481;>FS-3_31671	223108891.6	215457616.6	176828516.2	71819724	188588409.6	153032188
>FS-11_9527;>FS-3_11928	5900500.605	5700788.712	3703269.912	102002801.1	7553482.905	1404046.32
>FS-11_1508	12681497.19	12268511.19	14532517.16	368895521.6	0	5966290.3
>FS-3_46188	25980464.97	25157276.44	97375005.4	0	61082299.26	0
>FS-11_1639	20129735.13	19545438.72	12863890.57	238906491.6	4403873.278	10707836.1
>FS-11_8892;>FS-40_42850	32228898.62	31310008.94	9103098.827	102075019.7	9561216.866	2952045.38
>FS-3_31527;>FS-14_17118;>FS-3_32365;>FS-3_17665;>FS-40_36119;>FS-0_4144;>FS-0_52627;>FS-0_4511	26948775.99	26234475.42	30597540.33	7475464.888	41998409.46	0
>FS-40_79829;>FS-40_82933;>FS-40_30285	3178894.918	3096863.494	45862.8479	255874.7843	3513972.201	241616.686

>FS-11_9163;>FS-6_36252	10399158.66	10150849.57	7305613.924	0	566013.4019	1211590.64
>FS-11_3980	4337978.729	4256111.655	41901783.51	290693481.7	1547519.582	32228977.1
>FS-3_18068;>FS-11_3981	1159076.699	1137221.536	2077765.188	53403528.22	6626898.956	0
>FS-11_8694;>FS-40_803;>FS-40_61513;>FS-40_16487;>FS-6_34745;>FS-6_6309;>FS-0_25234;>FS-6_6310	100992.4006	99446.36135	5652779.334	257902.977	0	0
>FS-3_29989	43381661.38	42719529.87	61817684.51	270115204	78405831.03	15038257.6
>FS-40_2063;>FS-6_48774	465347.8255	458327.8392	13722062.34	0	0	568737.836
>FS-3_966	32090328.15	31957164.27	53150211.5	10244621.91	12014223.52	3977742.89
>FS-3_56133;>FS-6_27586;>FS-14_27197;>FS-0_1425	68327364.09	68094382.02	50208081.46	1022376.365	79066891.89	1479445.97
>FS-11_4101	26797736.27	26784838.46	23248341.32	44541369.48	22163383.62	746374.785
>FS-3_4261	40010555.02	40022336.49	20722069.37	0	155787558.5	108472981
>FS-3_28649;>FS-14_16771	46204842.93	46294939.38	17544210.43	722295.8306	76365647.72	3395949.1
>FS-40_92921;>FS-40_45360	17849264.32	17920860.4	4787748.634	1667948.648	16167979.88	23623979.6
>FS-40_93196;>FS-0_7718	3039648.345	3053040.161	3497805.089	14118780.5	0	9156050.9
>FS-14_32426;>FS-14_19757	11287821.64	11346466.49	83706009.38	206995.3154	2895930.073	193467365
>FS-3_39990	34317140.96	34529908.36	176988005.9	547938.9044	41452359.4	20825482.9
>FS-3_44093;>FS-3_45087;>FS-11_4135	1547978.854	1560284.066	833992.402	34954587.5	2793929.4	0
>FS-3_15734	40963007.52	41379998.86	172498099.1	308223.7351	36913228.19	0
>FS-3_3031;>FS-14_15793;>FS-0_38548;>FS-3_10614;>FS-14_23371;>FS-40_42669;>FS-40_22032	17833670.42	18137136.52	7315894.544	0	10014776.19	0
>FS-11_8788	9794513.018	9974311.448	11528167.62	65482914.66	3392861.975	0
>FS-3_43117	6911455.332	7040675.919	1701084.806	57294642.18	260348.1511	10743645.2
>FS-6_41353;>FS-6_38401;>FS-6_58716;>FS-6_47918	1894181.042	1937044.968	0	0	35198881.27	0
>FS-3_49636	12066523.58	12371181.36	88655541.79	1346467.529	1257868.163	0
>FS-3_28553;>FS-14_1922	350017625.1	360359976.3	348653992.3	26019674.42	514678161.3	45054088.5
>FS-11_8469	11391430.23	11756300.39	21326403.6	73881962.18	4550280.438	3202624.49
>FS-11_9957;>FS-14_22675;>FS-3_33830	7536626.291	7889365.702	8607410.6	81157356.3	11555684.76	2908661.81
>FS-11_3653	22092611.12	23185071.33	37077792.99	181424244	5354554.723	18278899
>FS-0_65626;>FS-40_118082	70813283.49	74378525.84	3565897.344	565764.4728	27903120.24	4244703.35
>FS-40_121256	13922897.81	14734551.43	10556804.68	61812727.27	2319827.07	2623832.19
>FS-11_8283	8624522.154	9143400.384	10592383.32	133239471.6	4892687.98	4313006.86
>FS-0_17490	2887119.268	3061188.69	2319093.033	81636010.3	582162.7267	2216672.3
>FS-40_79850;>FS-40_71057	1351470.285	1433198.232	23663395.67	16597545.81	0	0
>FS-6_42137;>FS-40_22187;>FS-40_33349;>FS-40_41877;>FS-40_105696;>FS-40_100636;>FS-11_3428;>FS-0_51598	15282025.11	16209846.16	77801719.64	4962569.356	1874224.442	2452548.93

>FS-3_1716;>FS-40_41061;>FS-11_14248;>FS-11_5254	6995707.452	7427032.949	10850180.09	41470775.15	1702436.893	0
>FS-3_3798;>FS-40_1216	28722962.7	30631341.96	35805972.78	12593907.56	12546401	16822406.1
>FS-3_420;>FS-14_1264;>FS-6_711;>FS-0_16885;>FS-11_2913;>FS-0_13791;>FS-0_28727;>FS-0_82710;>FS-40_47090;>FS-0_43264;>FS-0_65113;>FS-0_44878	86375040.41	92403264.33	33173564.83	6158255.398	51301147.63	90367906.5
>FS-3_46406;>FS-11_10158	28773317.45	30783239.24	12304545.7	129258963	13012784.61	241637.462
>FS-3_2731;>FS-14_693	75834561.96	81359933.1	98104116.4	7764503.951	123380458.3	33748202.5
>FS-3_28685;>FS-14_15492;>FS-6_26851	29701144.22	31896074.41	6113842.589	211835129.7	9643860.179	3616318.75
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>FS-40_73157	11196445.76	12063033.97	3906171.907	770844.4507	0	23182303.2
>FS-6_33181;>FS-3_11891	21888360.66	23800162.27	67543382.99	3406595.118	7233806.796	2983751.48
>FS-3_14608	11075335.63	12084539.26	43960659.15	0	8829026.847	174176.759
>FS-3_39521;>FS-3_43918;>FS-3_49092	19320306.17	21137883.36	23895024.83	105714815.4	5754001.596	17444436.9
>FS-3_38659	38814640.35	42494005.36	96779122.62	309471658.1	16980699.45	77086436.2
>FS-3_29282;>FS-6_5342	47956105.61	52653272.39	6567453.668	240978227.7	8648541.073	6432451.32
>FS-3_32733	6685896.719	7428971.785	15948800.44	0	10121661.27	1485223.94
>FS-11_694	4425170.462	4918465.355	10402343.92	76532018.69	2980320.247	3096876.47
>FS-14_6571;>FS-40_27517	5596284.431	6225226.79	13918530.04	0	711740.5201	8471448.58
>FS-3_29079;>FS-6_43825	33128657.98	36859891.43	99153115.35	392846134.8	71528420.52	10679312.3
>FS-40_23099	6612310.908	7378581.18	0	1079915.115	3364922.924	9118411.94
>FS-6_34236;>FS-40_11614;>FS-11_1751;>FS-40_61635;>FS-3_57820;>FS-3_15955;>FS-40_128118;>FS-40_9229;>FS-40_8466;>FS-40_100832;>FS-0_40602	36931880.92	41346284.84	281709274.9	1095059.957	10881798.8	9874763.48
>FS-11_8510	117128935.2	131453788.8	160196820.1	434254693.9	17039982.99	18054404.8
>FS-3_16647	2657865.275	2983376.257	0	81879988.35	654914.7609	0
>FS-6_52393;>FS-14_14497;>FS-6_52805;>FS-14_14690	3364772.5	3786734.227	3440541.381	0	0	0
>FS-11_9338	10454261.18	11783610.72	9482829.392	168337181	524072.5385	1666463.86
>FS-3_31511;>FS-14_2155	204740914.4	231318495.7	200642585.4	72338820.28	466734514.2	4323515.43
>FS-14_8133;>FS-40_10280;>FS-11_4356;>FS-3_2345;>FS-3_30837	19910999.35	22507384.86	26850203.33	31483065.28	16983216.89	6697488.93
>FS-11_3161	4867617.559	5519463.081	2487642.845	43344492.96	1419350.184	4664820.12
>FS-3_32772;>FS-14_1490	16434170.12	18662208.6	25486209.11	0	76848637.06	0
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>FS-14_11632	11514458.16	13137287.1	13781420.83	95234902.4	3030848.133	2741397.69
>FS-3_30197;>FS-14_25514	1902703.857	2177356.647	36368789.1	0	4606231.197	0
>FS-3_3070	31190682.1	35750528.69	12288913.99	9492827.22	20928263.69	1635976.11

>FS-11_1094	2453680.214	2813736.886	0	9760238.81	0	0
>FS-3_28539;>FS-14_1591;>FS-6_13322;>FS-0_11	80882510.02	92761582.22	29018206.61	6464143.803	98156110.87	20338889.9
>FS-6_8741	63785876.93	73650228.78	0	0	0	0
>FS-11_1276;>FS-6_5156;>FS-40_68430;>FS-40_93602;>FS-40_28019;>FS-3_3930;>FS-40_27426	6174897.349	7180072.089	17041834.29	72305642.32	1881615.447	0
>FS-11_13018	13652557.87	15897667	24184522.62	227947658	18887146.57	249790.837
>FS-3_46675;>FS-3_44618	302548020.3	353197984.7	59383033.35	2054553228	369533365.6	186420960
>FS-11_411	17665093.44	20648291.72	14704084.67	39911255.15	2411594.853	4645618.7
>FS-40_61442	38260274.38	44740031.24	7307246.025	129161564.7	7596127.489	11825050.8
>FS-14_17185;>FS-3_55801;>FS-40_49279;>FS-0_69157;>FS-3_33412;>FS-6_31786;>FS-6_8044;>FS-40_98513;>FS-40_101342;>FS-40_111737;>FS-11_11219;>FS-14_11556;>FS-0_39998;>FS-11_11113	9267874.556	10865891.94	24669003.48	1004356.531	924816.2766	258061.316
>FS-3_32043	3602338.949	4226551.671	16210688.54	0	700040.1419	970118.56
>FS-40_15215;>FS-40_41713	2503436.165	2937275.343	12910568.34	0	830088.3024	0
>FS-0_56570;>FS-0_56610;>FS-40_102825	8786758.177	10309528.41	928922.4004	648178.8505	3858711.929	369504.828
>FS-3_32429;>FS-6_724	16298927.99	19145141.98	25701444.07	38368745.47	2282301.357	16520976.4
>FS-11_13312	21627441.17	25445375.39	11268949.8	128693289.7	2633078.446	0
>FS-11_564;>FS-3_39362;>FS-0_81726	576950.9907	679130.4251	4986640.604	73310126.59	265785.0129	7015646.64
>FS-3_31313;>FS-6_28184	3792275.153	4471298.659	22444335.59	4713167.518	7218792.942	34661564.1
>FS-3_3159	7354988.274	8672249.282	8676644.112	83495196.99	9056700.238	876608.697
>FS-3_46101	14472097.47	17065645.65	8849825.935	34590348.74	4857261.493	11442045.5
>FS-3_42726	20324988.37	23995380.85	19221672.76	52768143.9	39695014.34	8436024.44
>FS-3_15531;>FS-3_13502	37332832.75	44281490.55	31686939.7	496736502.2	15814518.37	12703955.3
>FS-3_28337;>FS-14_291	13109368.52	15558038.91	33747133.57	22959241.58	4131322.789	1319802.76
>FS-11_3587	17154584.39	20413016.63	37924478.55	267368807.6	14081380.36	42607460.7
>FS-14_111;>FS-3_33865;>FS-40_2133;>FS-40_31029;>FS-6_27435;>FS-0_12579	91365536.68	109192020.1	115980541.7	696780.0423	19715154.86	3290114.98
>FS-6_33235;>FS-6_33628;>FS-3_43624;>FS-3_40108;>FS-11_17525;>FS-11_471	28221667.33	33766963.11	17040587.73	34898045.05	18334812.19	15104723.9
>FS-11_1777	12447194.33	14917682.73	14623540.56	56054030.55	6883121.697	4108634.34
>FS-11_13975	2446594.385	2944491.877	353868.7315	14044742.51	1574814.387	0
>FS-11_165;>FS-40_37100	11553199.39	13924497.61	687972.434	68165290.31	18620117.88	0
>FS-11_18132;>FS-11_2469	9738929.352	11769601.22	50445188.59	135031464.6	535124.859	0
>FS-6_9713	42459856.82	51438963.88	26740944.17	100621445.3	19947692.25	17848427.4
>FS-11_1074	25133116.66	30460683.33	17736979.31	334901238.2	15310722.53	12459707.8

>FS-14_14954;>FS-3_4674	31103217.06	37756151.47	19701522.47	192540523.4	20925114.86	10058392.2
>FS-3_19697;>FS-11_4937;>FS-3_21759	10237191.56	12429425.68	20402652.81	212746362.4	2039868.753	5835540.22
>FS-3_39019;>FS-14_7360	10258324.47	12518841.37	11482307.34	0	6584498.953	0
>FS-3_28801	45515129.94	55629595.9	34379792.97	139804387.4	20823567.06	1333405.86
>FS-6_26916;>FS-14_6324;>FS-3_40057	21847547.82	26730061.65	9625256.029	0	3516626.1	5330438.44
>FS-3_32136	19877303.49	24484449.71	23112781.32	0	9625647.766	15174915.7
>FS-40_111058	69604639.67	86151782.23	49203701.31	937685.7673	292083833.8	30480283.4
>FS-11_10229	11065678.47	13701921.24	10881248.68	51033536.27	391585.8867	3772650.19
>FS-6_2807	21460867.04	26941246.53	89676050.71	2132204.902	1584408.398	9654104.24
>FS-14_692;>FS-3_2730	317261091.2	399078909.5	363669108.6	47202814.96	780487629.5	43697509.9
>FS-3_15400	9439062.533	11880612.15	28887342.44	0	4791133.204	2986423.16
>FS-3_32068;>FS-14_2824;>FS-6_1652;>FS-14_2825	54727953.82	68909647.71	47142622.54	273592.8101	35552252.98	4172388.04
>FS-11_17;>FS-40_32537	11482976.71	14532358.24	14656425.44	152210124.4	7687739.141	48561511
>FS-40_8207;>FS-40_71791	20990578.38	26603495.89	28648904.56	355368953.6	21810589.54	0
>FS-14_3229;>FS-6_34360	799155.7806	1017837.609	40750808.56	2762680.033	5751968.838	556789.562
>FS-0_68469;>FS-11_5880;>FS-40_21774	6865938.75	8755365.764	9494500.118	42410111.78	10911050.78	5138806.15
>FS-3_27;>FS-14_15271;>FS-0_1026;>FS-14_27992;>FS-40_29761;>FS-0_25726;>FS-40_63485;>FS-6_987;>FS-40_53615	29481063.25	37676102.24	53996894.27	131286.6694	114066568.2	617369.094
>FS-14_15981;>FS-3_29022	188509184.5	241199354.3	237462833.1	7023439.428	256151460.9	20062423.7
>FS-11_8353	64637729.17	82944062.55	118493215.5	743487688.9	129395900.4	2340215.01
>FS-40_90234;>FS-11_11128	26299884.91	33776847.73	9135282.934	26267244.92	30237937.18	2390883.71
>FS-3_29643	6309539.897	8111731.746	9345410.614	0	31599057.44	188101.497
>FS-11_5705	35683024.46	45930013.99	12257163.24	25101590.7	8706937.49	21488885.4
>FS-11_1246	5150078.363	6639252.815	0	19227756.06	69239.52358	1150211.34
>FS-6_41095;>FS-6_46662;>FS-6_42926	110038251.5	141903189.4	80047297.37	115214158.4	165754371.3	13120400
>FS-14_26584;>FS-3_11492	49613185.74	64288968.63	44893085.6	520658581.7	22791285.99	19386758.1
>FS-3_128	44388507.49	57724756.9	15693970.38	26490834.54	17855682.01	9566474.33
>FS-3_58103;>FS-6_568;>FS-0_40940;>FS-11_14995;>FS-14_18105;>FS-40_64015	19762616.1	25722850.97	76051636.35	1176127.682	11596193.94	122364081
>FS-11_8552	11149527.05	14525403.9	4577839.477	15884799.01	4817433.223	8829941.95
>FS-40_61521	589324880.4	768864552.9	537555033.6	145015097.5	1267502941	244118814
>FS-3_4672	70869688.1	92612536.68	63199088.46	2059456.615	72041362.33	4079048.83
>FS-40_44508	37693692.83	49567023.7	24049963.89	104165349.3	32034240.59	63578389.7
>FS-3_56871;>FS-14_459;>FS-6_27313	95208250.95	125682682.4	213681898.2	126150316.2	40665950.42	46863777.7

>FS-3_4136	11151096.83	14758237.71	2058321.895	43833424.58	5108176.063	76066109.9
>FS-11_10387;>FS-3_30292	8024147.94	10633421.48	1827902.068	26312391.24	4761455.154	0
>FS-40_13783	3444179.46	4571646.752	2373279.186	52432479.72	3425842.72	774034.147
>FS-11_10084	51986006.91	69234446.55	57610027.8	799715637.1	23533869.25	31577631.9
>FS-3_33879;>FS-14_1242;>FS-6_10321;>FS-40_63772;>FS-40_83591;>FS-0_24719	10529768.48	14042661.04	69849897	7614860.415	3634851.918	0
>FS-40_111204;>FS-40_10061	2430727.726	3256408.398	14063230.9	53376.4751	2117768.562	27690746.9
>FS-3_3773;>FS-11_1630	47480901.78	63880385.4	43479336.09	47057911.27	46145949.63	2186919.63
>FS-11_9320	3340277.944	4502408.501	44502251.87	57368497.79	2914272.013	9174966.18
>FS-11_79	4145282.168	5596710.594	10372066.08	56268365.9	1139348.671	7966864.88
>FS-3_45614;>FS-3_19780;>FS-3_21839	4943555.945	6687631.989	0	28647952	622719.8707	0
>FS-3_31731;>FS-14_1150	53667448.71	72696825.78	34237619.77	5762982.641	69085028.61	8290266.82
>FS-3_11375;>FS-40_119349	17746474.69	24126655.61	9348743.669	84722929.74	11674232.63	5137477.62
>FS-11_8401	15912154.74	21651533.64	18412021.14	247526230.5	2286642.511	15860216
>FS-3_978	12619044.83	17201464.81	137791295.8	9279422.89	21771038.72	5131217.95
>FS-3_1431	14569369.19	19879383.07	109267528.9	103149.7122	166025403.7	0
>FS-40_72263	12596943.18	17198484.8	6235393.528	10084698.78	8519835.867	8531134.16
>FS-11_8826;>FS-40_107364;>FS-3_44112	3652123.631	4997943.342	0	14883175.79	17578945.05	0
>FS-3_41413;>FS-3_38870	22112560.01	30337653.42	98907467.25	0	11637393.27	0
>FS-6_2078	25040934.85	34433454.58	73427237.85	7554586.583	952915.8726	20392810.7
>FS-3_396;>FS-0_13966	18897682.72	26005332.16	20024106.05	18780932.59	9876575.135	0
>FS-11_8284	8789712.97	12122917.98	28939421.13	289410729.4	8818945.197	4809849.71
>FS-40_62182;>FS-6_27830	65224121.85	90029591.22	52668616.66	151809430.8	28114347.97	0
>FS-3_31365;>FS-14_16299	35100805.13	48485462.64	28252204.09	1810226.745	51158425.69	4108466.99
>FS-11_8229	10062008.23	13912094.2	15771163.76	78972468.47	7026891.381	12659083.7
>FS-40_46828	494719664.6	684534707	267905603.3	4273038353	584019519.4	717967892
>FS-40_37095;>FS-40_47583;>FS-40_39817	7133400.856	9921113.223	1978778.251	68622.75295	16923881.72	0
>FS-3_15801;>FS-6_13088	2431506.066	3390238.268	0	14406628.61	66707.1781	0
>FS-3_43094	19822856.33	27643057.37	79333076.04	2249741.445	23334218.28	1054123.09
>FS-3_31907;>FS-14_15535	169323781.2	236395855	97676903.35	45219330.75	216796236.2	15144302.9
>FS-3_43195;>FS-11_8315;>FS-3_13521	1788749.007	2502907.932	525946.7413	24403276.8	151439.5125	5685515.08
>FS-3_31310;>FS-6_38001;>FS-14_1945;>FS-40_20997;>FS-0_1024;>FS-40_100913	17787418.85	24986295.61	4758423.359	0	20424190.75	0
>FS-11_895	737559574.8	1037287665	480800746.6	4695896321	1004727240	576186649
>FS-6_17378;>FS-3_1852	13105525.19	18480400.28	5579935.362	1641162.354	7652588.767	0

>FS-11_12404;>FS-11_3321	29165537.65	41251996.77	61059172.43	138823640.9	14140597.45	16146435.7
>FS-0_34526;>FS-0_1971	48736806.13	69424483.17	261696497.6	0	33779171.82	0
>FS-6_36534	2526953.238	3600045.757	1499819.369	55725975.24	2176263.228	0
>FS-3_28898	8203421.94	11702009.32	22750029.71	0	3254595.38	4523852.5
>FS-3_10322;>FS-3_11000;>FS-3_11926	39294941.37	56087855.36	132569470.6	0	154791919.3	0
>FS-0_56272	28694840.26	40987121.83	42738907.94	935161.5099	47310809.47	17640302.5
>FS-3_31372;>FS-6_10204	3425098.763	4912796.38	3279740.856	19982035.87	10892753.94	8292576.52
>FS-11_15034	3878354.945	5570441.666	24736775.99	33195293.05	7953746.564	2963506.88
>FS-3_32975	10459347.92	15026913.54	24270975.77	1301032.917	123212108	3336522.46
>FS-11_295	19693693.83	28364801.26	26797852.04	98470105.04	29033868.93	511386.121
>FS-3_44703;>FS-0_68366;>FS-3_61393;>FS-3_38861	2878734.868	4149986.124	3320792.983	0	8139314.478	644564.792
>FS-3_21160;>FS-3_59798;>FS-3_59451;>FS-3_14682;>FS-3_12808	44555523.68	64499499.1	143813273.8	5667707.533	17206001.85	12508022.8
>FS-3_3805	17993583.34	26217751.32	174082090.4	0	2679957.808	47711062.5
>FS-3_2687;>FS-14_16942;>FS-14_7832	45463138.39	66313095.11	71457432.27	1202866.515	32475684.13	4976635.81
>FS-6_43403	81612290.72	119298036.6	12983513.41	7188678.639	397856521	54605343.1
>FS-3_42295	10369797.45	15167292.02	19369518.82	99383600.98	5545613.087	12683780.5
>FS-3_33765	220953398.4	323656112.1	506573776.7	305101571.7	677867582.9	8909387.69
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>FS-3_32852;>FS-0_55696	32018455	47013098.82	49823546.39	17035464.26	12005890.45	2961478.23
>FS-11_9951;>FS-3_38971	10486999.58	15434150.77	8788289.339	114347783.7	14684361.78	0
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>FS-3_2702	56678082	83610650.76	10102758.31	5580557.052	10744524.87	5619740.03
>FS-11_9532	9476873.021	13983656.3	10952911.59	113190737.8	9708129.428	3782609.17
>FS-11_9119;>FS-14_26706	55772280.02	82356274.5	140203801.5	160514233.3	40628380.07	30218228.4
>FS-40_27725;>FS-40_130817;>FS-40_25952	14468889.09	21382440.11	110943207.2	0	241770.9663	0
>FS-6_17886;>FS-14_24167;>FS-3_40287	11066111.46	16376763.68	27284023	0	2365695.932	853339.423
>FS-3_40428;>FS-3_42109;>FS-14_5543;>FS-11_10350;>FS-3_47707;>FS-6_9732	7499618.039	11134781.12	3278827.711	19401926.41	2850483.166	3835982.96
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>FS-3_47250	52469578.58	78567517.02	241952900.1	1287357.733	38906091.78	27898452.8
>FS-3_2566;>FS-40_61484;>FS-14_289;>FS-6_1778	3271328.803	4902591.189	3874141.5	0	11043124.92	0
>FS-6_9278;>FS-6_9856;>FS-3_30804	19253058.78	28949439.89	33786489.77	0	1419457.306	5769223.08
>FS-3_30393;>FS-11_9432	6958101.94	10480586.26	8671159.106	57835361.68	465212.5171	458457.051
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>FS-0_1974	19560089.28	29614726.07	5113824.138	1783498.12	0	14206471.8
>FS-40_127091;>FS-40_62904;>FS-14_7544	261604174	396409068.9	212599469.8	465495673.6	186631289.2	173302914
>FS-0_67331;>FS-0_70701	4313689.697	6540833.739	10471004.56	2602.704415	11190813.29	637469.264
>FS-6_6276;>FS-3_55889;>FS-3_894	25157669.4	38275410.36	40951546.13	0	5750584.604	18696036.7
>FS-3_175;>FS-14_2893;>FS-40_2049	17889005.39	27240360.58	37738046.21	1167156.632	29147823.21	2127827.08
>FS-3_29321	2196311.31	3354265.322	6160379.609	0	239608162.7	24550850.1
>FS-11_8720	55544808.8	84968620.3	66145235.87	922199887.4	32320998.78	18351766.7
>FS-11_602	45008893.28	69030229.21	45246103.6	284372009.5	18242550.89	31072300.5
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>FS-3_4529;>FS-14_16416;>FS-6_409;>FS-0_1679;>FS-40_17889;>FS-40_32260	7630081.343	11747979.77	11306066	7356083.727	1009118.526	2944141.4
>FS-3_31371;>FS-6_37140;>FS-0_6284	3350008.365	5173551.035	5098511.018	143723.6979	2154850.837	0
>FS-3_11738	47114059.47	72950868.12	174816903.8	412139.7041	13317076.66	90970117.2
>FS-11_1187;>FS-3_30272;>FS-6_6078;>FS-0_24744;>FS-6_13711	2391048.774	3702533.709	932683.5058	17412959.42	6007669.761	5398836.46
>FS-14_17769;>FS-3_2516;>FS-6_28204;>FS-40_14465	37211152.13	57640637.55	24575603.7	15791839.99	152952774.7	20330691.4
>FS-14_7872;>FS-14_11377;>FS-14_23745	35630680.1	55194247.91	5283890.769	0	33658677.89	875826.307
>FS-11_367	4298094.133	6712371.021	0	45167538.71	3875132.296	13784384.7
>FS-11_324;>FS-40_64047;>FS-3_30896	6357252.568	10007047.02	6323638.195	23201932.82	3913798.893	464960.241
>FS-6_19584;>FS-3_17165	17305944.22	27357644.35	167279842.9	0	18031701.29	57231333.7
>FS-14_7660;>FS-14_7661;>FS-11_3497	3737841.197	5910921.429	4728337.485	21635934.73	2565169.741	0
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>FS-11_763	3213858.024	5099441.632	0	49504728.23	0	0
>FS-3_29547	144251879.2	228950002.8	132564523	272972891.3	149197496	15519497.7
>FS-11_9721;>FS-40_36292;>FS-40_84478	24049964.49	38358176.22	25517181.49	266996984.8	13910022.31	50215605.6
>FS-3_4641;>FS-6_6860	88433307.43	141113199.3	51538663.66	3854047.172	127850518	19685431.8
>FS-11_9120	6737341.239	10796784.77	37439333.26	124523754.3	5765806.992	2340078.35
>FS-3_44581	14976332.44	24069214.4	2105213.556	149351.1412	7271206.738	37843305.8
>FS-3_20919;>FS-3_21223;>FS-3_19474;>FS-3_19654;>FS-3_20917;>FS-0_60168	2164045.627	3483885.717	5151989.989	28924888.88	0	0
>FS-3_28686	16577081.96	26786988.83	65592139.69	2607213.017	57775954.07	3852330.11
>FS-14_26202	12626401.6	20425389.31	20108695.6	87002528.37	3306063.65	0
>FS-6_29228;>FS-6_29295;>FS-6_29462;>FS-6_29627	2721908.167	4412703.596	72102600.61	1101014.489	0	192666290
>FS-3_28743	45084127.44	73177336.74	84584416.79	959363855.3	23634280.67	39488279.7
>FS-3_580	33428700.4	54334071.94	546384172.2	27081648.41	38117695.6	3995823.36
>FS-3_14495	2835234.963	4620736.922	50801743.71	0	4309864.345	0

>FS-40_44034;>FS-40_1952;>FS-0_27589	5404385.475	8808051.456	33970115.14	0	382540.4922	0
>FS-40_16490;>FS-0_30744	10786781.83	17692616.85	61487499.16	0	0	2105250.19
>FS-3_2365	22882559.39	37547371.67	59002058.68	5034259.839	19025232.43	6795001.18
>FS-11_12754;>FS-11_3888	7195766.997	11815639.52	5047744.809	27395875.63	1401811.34	811432.441
>FS-11_8228	3002831.392	4932655.738	3688582.146	50499526.04	93413.34221	5874270.76
>FS-11_9569	5322562.98	8749223.125	0	19361802.91	8660465.897	0
>FS-40_13945;>FS-40_72020;>FS-11_14689;>FS-11_4307;>FS-0_51757	5263336.022	8658803.974	2872435.832	12776740.48	3059497.447	0
>FS-11_14861	13025580.46	21451130.55	4424209.694	130257466.5	8532745.528	0
>FS-3_2610	46006381.89	75965218.16	47879415.07	13623.32355	39342617.93	0
>FS-11_9467	12563651.91	20849309.77	13838449.97	340540849.6	4079721.966	2786205.22
>FS-6_12093;>FS-3_12059	15883840.05	26381257.55	25076935.01	6869007.965	3698882.256	4870032.45
>FS-11_559;>FS-14_22241	2056937.024	3426084.152	3679684.485	145894343.3	7934623.007	1884656.93
>FS-3_14312;>FS-3_16479	12076631.51	20173569.68	14613010.69	161382211.1	5459584.795	1516610.45
>FS-3_31082	48180979.74	80537213.37	69954069.61	1875136.736	7431055.563	11560374.4
>FS-0_39367	60330630.92	100857510.7	102904662.1	8948677.545	3947986.841	443259603
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>FS-11_313	301318.0178	505195.5512	0	12322208.53	46325.10715	0
>FS-3_41061	14094879.19	23637071.76	28105226.9	0	4718596.657	0
>FS-11_9844;>FS-40_82764	7257526.93	12174539.38	3373177.909	32825550.05	11845993.13	0
>FS-3_1253	9109016.954	15281788.91	20658943.69	0	7243169.938	0
>FS-0_53783	13519175.83	22724985.44	184339165.3	1262848.049	923651.6334	1751652.61
>FS-3_10937	5084278.895	8547319.054	3047121.998	54274110.17	5795319.743	719991.843
>FS-11_8763	2271732.241	3830792.664	439716.1849	24389872.68	124168.8811	81583.5273
>FS-3_3762	50623698.22	85409446.3	134265266.3	92080.02196	156733433.8	8788339
>FS-3_3486;>FS-14_2557	16875435.54	28558803.22	30061148.7	4218391.345	73703895.94	3194555.06
>FS-3_31684;>FS-40_106582;>FS-6_35627	6675964.522	11299676.41	8745197.277	25493449.48	5671479.452	994060.719
>FS-11_12334	12012808.11	20444186.86	8535493.847	128058776	19392737.93	704785.031
>FS-40_24909	12756200.85	21869499.51	24753655.81	189671417.6	2939371.419	0
>FS-3_2645;>FS-0_62633;>FS-40_30453;>FS-6_1531;>FS-14_26605;>FS-0_53027;>FS-14_11551;>FS-14_10554;>FS-40_80249;>FS-3_15474;>FS-3_21725	7101037.835	12190333.31	38341541.83	781041.9332	7726511.651	94207324.8
>FS-6_13085;>FS-3_46204	9099526.239	15623581.92	58315296.3	32696701.06	2846358.081	3383537.16
>FS-3_12841	9523049.268	16410568.91	11261511.48	28419579.94	1503398.953	929254.708

>FS-11_824	9280109.075	16041008.85	14523617.26	155766837.1	13398349.41	755237.908
>FS-11_8498	11698909.44	20230318.68	5918657.719	65059280.83	4060850.074	0
>FS-6_27258;>FS-3_29280	7865048.908	13617766.79	36862175.3	948097.8031	1424176.44	0
>FS-3_31582;>FS-14_27323	25307117.99	43951104.34	221382327	6834331.564	11029618.9	21093519.9
>FS-3_13174	38535711.82	67046100.74	178408908.2	0	48410017.13	1455210.59
>FS-3_12571;>FS-3_14633;>FS-0_1892;>FS-0_26520;>FS-40_19198;>FS-40_11062	6268286.074	10935103.24	1337662.525	0	11590417.63	0
>FS-11_585;>FS-3_1165	65280168.29	114177896.2	142173634.6	658807379.5	89790485.95	31727090.1
>FS-11_40;>FS-40_38770	5932923.303	10411868.82	11740063.26	39514483.77	2196325.505	28446.8784
>FS-11_1471	1669634.502	2940140.958	2927284.656	73424167.03	3375955.238	8738837.93
>FS-11_185;>FS-40_18000	4072554.611	7226601.495	10040293.77	22923145.15	2116877.004	2051179.79
>FS-11_4593	10160262.5	18054147.99	8264389.887	62425467.81	8589218.394	4223284.35
>FS-3_33499;>FS-14_1935	44639013.16	79472075.6	35413471.03	13057416.52	49837595.13	18918071.8
>FS-3_40331;>FS-11_13068	462003848.6	822862173.7	339351997.5	3030373880	790934820.6	638984273
>FS-3_2895;>FS-40_95986;>FS-14_11823;>FS-11_3644;>FS-14_12390	20133012.41	35946876.03	24052986.6	34878943.59	12030203.87	0
>FS-3_42936;>FS-40_49049;>FS-6_12462;>FS-0_14062	8338128.372	14908590.9	78505016.75	0	666605.9237	7973600.31
>FS-11_11247;>FS-11_12921;>FS-3_13248	1593111.04	2851980.6	3120903.771	61709897.15	3812550.17	0
>FS-14_16129;>FS-3_31541	9817494.955	17578196.71	18418275.6	54553.50568	66776442.12	1088094.4
>FS-0_36728	18136416.72	32525425.82	888203.7239	0	0	0
>FS-11_8852;>FS-3_41766;>FS-3_43913	8765304.869	15752240.44	22391900.2	98801255.3	2584122.171	0
>FS-3_886;>FS-11_4490	122917678	221468295.4	267324034.6	621357959.2	305401765.2	50862971.1
>FS-6_7716;>FS-40_47236	4890490.538	8824568.61	9746378.136	68876693.41	2670302.687	190364.352
>FS-40_46386	6601560.424	11913410.48	6510728.173	17331817.54	976407.8527	5919515.97
>FS-3_16806;>FS-3_16130;>FS-3_17293	3757303.765	6787340.825	12227028.24	90641662.52	3954349.599	3325161.33
>FS-3_1234	9070728.008	16456645.44	43885714.08	20837748.02	11238145.98	1208499.54
>FS-3_763;>FS-6_27592	11964632.07	21708916.88	8560934.019	18857201.26	12926729.08	4137669.15
>FS-40_49798	37481143.38	68028386.67	83575775.55	258885155.2	12921686.76	137768405
>FS-40_34980	9755389.803	17794103.32	7418160.767	38213704.33	769409.5329	3232470.82
>FS-3_4367;>FS-14_2317;>FS-0_5591	11853938.81	21691161.37	31213110.92	14087186.69	3979048.234	0
>FS-3_33381;>FS-14_1567	43043701.71	78805810.47	46287868.79	5576610.53	80649189.34	26478382
>FS-3_1182	6337721.67	11675315.06	27396860.87	84836467.37	5667527.336	1894389.9
>FS-3_33760;>FS-14_15556;>FS-6_95;>FS-40_19255	13407457.22	24749963.07	14267332.09	2027498.845	26881596.33	25026491.2
>FS-11_8744;>FS-40_134246;>FS-40_48030;>FS-3_60500;>FS-3_18705	5552336.753	10266984.82	1412064.478	28882496.84	50349.47079	29392430.2
>FS-40_37842;>FS-40_44106	2670795.613	4939408.013	882073.8481	14726189.77	7661617.166	2045206.46

>FS-3_2846;>FS-14_1998	69783677.74	129403703.2	29725909.26	33289965.59	144287516.6	721283.41
>FS-11_2577;>FS-11_13206;>FS-3_4667	21153967.96	39369241.88	60653595.45	36955742.59	22714341.92	1474026.65
>FS-3_33806;>FS-6_8375	18920816.87	35229757.46	14185011.05	16347250.57	18906857.68	2209182.34
>FS-3_21996	40497845.54	75431789.82	50701254.92	493048422.8	40813395.85	131527158
>FS-3_3827;>FS-3_44983;>FS-3_41846;>FS-14_2103	8622853.603	16061442.24	56368796.76	3888238.367	23422233.07	0
>FS-3_3265;>FS-14_16453	9034742.038	16864390.79	8812402.217	1195688.158	14346070.3	14731097.1
>FS-11_12586;>FS-11_7655	6659476.52	12461496.53	9956558.731	24113603.13	1047193.399	3764459.15
>FS-3_1158	20656827.18	38764484.49	57578833.5	625067.9404	17595032.22	23359467.7
>FS-3_56805;>FS-14_16504;>FS-6_5023;>FS-0_41082;>FS-40_87953;>FS-40_30014	5052815.65	9497718.863	6016180.26	1011010.077	3180067.229	0
>FS-11_13149;>FS-3_21784	11372979.41	21405188.39	30544240.28	98023590.18	4157976.685	0
>FS-3_4463;>FS-40_335;>FS-14_2342;>FS-40_73235;>FS-0_38741;>FS-40_34689;>FS-40_9179;>FS-40_16511;>FS-40_26042;>FS-40_8314;>FS-40_19516;>FS-0_3100	34386177.66	64834393.53	10624347.35	916117.8206	90030767.93	1505767.84
>FS-3_32066;>FS-14_2826	82891900.79	156688054	531483946.2	4460434.979	421089549.9	22572538.1
>FS-14_171;>FS-3_56540	20960841.1	39724654.28	40752560.82	5557899.098	40839716.45	1113650.46
>FS-40_31239;>FS-3_56394;>FS-14_31009;>FS-11_17528;>FS-40_78115;>FS-0_68535;>FS-40_25262;>FS-40_128933;>FS-0_57200	15030451.12	28558237.89	97760251.26	3723266.718	593116.9388	8649787.57
>FS-11_8791;>FS-6_40820;>FS-6_48402;>FS-40_43903	33322256.37	63371746.46	65609390.17	249874859.7	61601480.03	584326.947
>FS-3_3209;>FS-0_6143	6868204.048	13079021.11	18365405.69	4354167.842	2958552.041	15324872.3
>FS-3_55600	21912959.45	41729784.89	6694323.533	9980530.329	11436796.07	0
>FS-11_9462;>FS-3_3955;>FS-14_17388;>FS-40_21805;>FS-40_11084;>FS-40_73489;>FS-40_12516;>FS-3_45817;>FS-0_77766;>FS-0_12625	2926266.982	5573545.732	0	8173085.168	4140957.25	1603458.35
>FS-11_13608	10646743.53	20308641.55	11979757.38	162603901.9	201805.7875	0
>FS-3_20687	13312995.57	25397985.19	15500688.03	16408.41079	1879784.738	2201885.42
>FS-3_29818	33895316.54	64719931.68	25269639.67	128275356.5	7950660.894	4481368.72
>FS-3_2298;>FS-14_2611	212451786.8	407180024.6	193995021.3	80549631.93	532671647.2	51620060.7
>FS-3_2621;>FS-14_624	56985864.21	109413986.1	52592130.22	6646821.489	61549974.35	83738675.2
>FS-40_95270;>FS-11_4950	27702434.8	53219197.4	22607067.28	13226989.91	55513192.54	0
>FS-3_822	3877993.127	7473509.823	15652404.64	43956.64219	4628154.086	3160932.17
>FS-3_28581;>FS-14_15562	5740731.701	11064574.08	42480705.8	0	0	8126966.22
>FS-3_31943;>FS-14_17036	11113481.55	21446298.21	8659800.418	620777.8964	13290635.36	25441937.2
>FS-3_3071	25312300.64	49128080.44	20060881.62	4190367.917	31419225.85	24156983.5
>FS-11_10398;>FS-40_32048	6861616.998	13322357.76	27855286.11	83871311.66	3342891.783	18121786

>FS-11_8713	1604990.59	3155954.504	5383026.349	55888771.29	3872678.172	9564305.04
>FS-3_31300;>FS-6_2041;>FS-14_15664	7802774.299	15349896.76	5442212.064	1193785.455	13638857.33	2330969.84
>FS-3_43305	11303207.56	22296378.86	50233371.01	171767491.1	2955761.145	1336387.68
>FS-3_20268;>FS-11_10318	641168.0312	1268937.771	1724855.362	7950790.479	0	0
>FS-3_42773	13623956.9	27031776.49	35194908.95	72998317.5	12799628.17	7120208.21
>FS-11_11	4973605.548	9908538.779	13347114.09	16684121.82	0	968095.515
>FS-11_2317	5664881.874	11302893.3	12108908.21	264603.619	1949836.37	3833847.48
>FS-3_3234	24043791.9	48016927.5	49643172.27	4001278.301	66558338.73	7057951.1
>FS-3_105;>FS-40_86518;>FS-6_10043	19043798.14	38051566.41	62271944.59	0	17762025.95	2460199.1
>FS-3_28585;>FS-6_2175;>FS-40_23601;>FS-14_1079;>FS-40_106049	66172577.68	132659646.2	98202546.16	34719913.37	48809544.33	1079684.07
>FS-3_13320	2404401.466	4835378.374	28405631.89	0	1549114.517	0
>FS-14_1253;>FS-40_24263;>FS-0_21528;>FS-3_31249	10330051.3	20878116.15	73246442.47	4701020.413	89745343.15	7750028.64
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>FS-3_30529	11156798.14	22664556.21	12950938.56	19493123.99	21552992.01	0
>FS-11_8322	1344027.383	2734006.783	718163.4032	11517122.85	5963064.222	1499428
>FS-14_16445;>FS-3_1289	20540999.21	41855540.15	32061600.33	3064429	38028327.21	654890.24
>FS-14_16916;>FS-3_28503;>FS-6_28927	37605637.48	76690912.01	21774920.75	1858352.807	76400036.42	1346377.66
>FS-40_14689;>FS-3_36132;>FS-40_83437	101514718.1	207165736.3	49595450.61	0	46628707.24	60391598.6
>FS-3_43026;>FS-40_103394	5422790.504	11066857.85	78333182.98	0	14228366.9	0
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>FS-40_83371;>FS-3_8950	13973781.6	28691573.7	38127843.47	276885.738	20051362.88	0
>FS-3_30930;>FS-14_3329;>FS-14_3393;>FS-14_3715;>FS-14_19198	10908759.16	22417423.36	64594862.07	377011042	12078823.76	1138260.33
>FS-11_777;>FS-3_28983;>FS-40_40849	4024356.26	8275756.057	7454118.35	35848691.87	2007307.323	5167360.95
>FS-3_10008;>FS-40_15970	4081550.952	8404453.958	0	48307218.95	0	0
>FS-11_8754	9468927.472	19570551.61	0	122304177	618709.4151	224581.182
>FS-40_117647	20498619.75	42460544.03	31331494.68	157317060.7	10140100.46	21432254.9
>FS-11_8630;>FS-0_68956;>FS-0_69629	15750223.25	32680444.01	40868240.81	465047824	73451909.64	4200590.54
>FS-40_22974;>FS-3_56071;>FS-40_12827;>FS-11_8536	4258700.282	8864202.172	30609127.8	28068864.86	3230208.899	0
>FS-40_91765;>FS-11_3319	34412505.85	71788905.73	50189352.16	423611504.9	12557788.09	111244253
>FS-3_13906;>FS-11_4986	21170979.69	44333455.41	10905909.59	325889307.1	4324372.93	9460748.47
>FS-40_10375;>FS-3_47853;>FS-40_25990	3908569.35	8192368.683	1189025.01	70302209.14	1585840.87	157784.981

>FS-3_41079;>FS-3_41286;>FS-3_42986	13385176.53	28091090.21	15185576.71	1545952.22	2396855.042	11264641.9
>FS-11_9077	26319712.77	55247755.38	50408677.63	787530651.7	27019207.05	17244533.3
>FS-40_6733;>FS-3_31867;>FS-11_14542	21517652.03	45236051.6	12761106.45	241932396.4	4463666.447	0
>FS-11_12382;>FS-11_13649;>FS-3_36789	7471826.087	15734455.2	14044471.14	120875657.9	2764462.955	3630313.6
>FS-3_32025;>FS-14_16349;>FS-40_112752	416374389.2	879110680.5	204330386.8	125932628.7	1278589403	29081405.9
>FS-3_3304;>FS-14_2494;>FS-40_189;>FS-40_12159;>FS-40_91613	15401639.59	32719319.99	7764545.791	0	33563043.93	0
>FS-14_15219;>FS-3_57861;>FS-0_47084;>FS-0_53756	27552812.66	58692063.31	226456012.9	10551350.01	9383888.491	9674891.85
>FS-3_11159;>FS-0_23185	9613921.749	20534492.83	60197905.48	2234278.267	5023055.805	1448191.38
>FS-6_42027;>FS-6_44786;>FS-3_11244	61743915.6	132106323.9	218476445.5	560443.4216	281800036.9	2517932.71
>FS-40_89206	3482004.696	7560304.097	18065495.73	25862670.19	1039104.392	4083071.81
>FS-11_11535	3641592.128	7910640.385	857120.3932	153774051.2	26360042.61	14983734.8
>FS-11_8446	3221229.743	7005752.704	2554734.028	32556438.42	1964110.154	110579475
>FS-11_10374;>FS-14_21310;>FS-14_25151;>FS-14_21638	11388536.08	24787037.61	12957303.2	228917467.1	47772547.01	3179786.4
>FS-3_106	20304367.44	44627331.05	44146256.61	757964.0595	8433155.644	10713748.9
>FS-14_10220;>FS-14_7740;>FS-11_10112	3242322.839	7138335.928	3984221.447	16145955.43	0	0
>FS-14_16529	20684466.43	45546520.96	15601396.93	17284565.1	12321235.43	76918611.8
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>FS-6_15993;>FS-3_9673	14523067.94	32184513.91	65440112.57	1007320.287	22717126.44	0
>FS-3_3688	37220820.68	82988295.03	40604933.85	7295715.151	39035251.99	35725223.8
>FS-3_47483;>FS-11_13541	1908831.575	4258416.839	2518766.125	17849649.15	1275619.249	1587777.1
>FS-11_9040	17167857.24	38321180.31	40840295.4	182147674.3	6941469.614	6593079
>FS-14_2088;>FS-3_28291	4238558.885	9461453.064	5039598.229	6834472.995	1303278.379	0
>FS-3_9988;>FS-11_4540;>FS-11_11677	15540847.25	34706687.09	8922055.457	137260521.6	64667612.44	19236806.6
>FS-3_3033;>FS-6_27095	20076485.41	44930621.63	24949543.21	33181054.88	24403333.18	23333801.7
>FS-3_29291;>FS-14_26639	11005110.91	24646752.33	9854551.439	1348104.286	52843186.08	61569.4674
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>FS-40_63402;>FS-6_29846	24969124.73	56055645.09	244120455.9	0	14513598.83	47549270.3
>FS-11_153;>FS-3_47228;>FS-3_44649;>FS-3_48770;>FS-3_48242	58305920.23	131037515.1	77965652.25	131175123.9	129699563	21755796.9
>FS-3_32503;>FS-40_62485;>FS-14_402;>FS-14_5843;>FS-14_6104;>FS-3_14237;>FS-0_765	76263869.66	171775946.9	46552905.49	11469020.14	338754536.8	28083916.1
>FS-6_34953;>FS-3_3327;>FS-6_47297	3876037.659	8777623.735	913368.4773	45377.66237	2042333.34	162044.683
>FS-0_21613	354445879.6	803660490.9	402501840.4	2336283786	818219962.8	605802932
>FS-3_28761	22721695.75	51551839.28	26610511.24	37914204.39	27600181.58	8631611.02
>FS-11_8595;>FS-3_11531	6916301.137	15722370.86	0	15968000.64	4363059.692	1249991.56

>FS-3_8347;>FS-0_7287	8138098.097	18516087.15	4882852.79	117835584.9	2378673.183	5307351.92
>FS-11_2554;>FS-11_5736	20215458.33	46212814.92	9509721.702	156170236.7	39154806.32	0
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>FS-11_1436	6248573.32	14330838.87	11594066.4	364488798.9	328526.9382	10505198.8
>FS-3_46807	1458089.081	3345228.397	0	929199.4679	12993327.97	69187055.1
>FS-3_31518;>FS-14_537;>FS-0_7063	11212245.83	25735511.59	13830960.87	2630921.789	45478505.21	42309219.1
>FS-0_26193	11929184.65	27405912.02	35065048.02	114023263	8987320.087	16857578
>FS-3_57735;>FS-40_36347;>FS-6_39230	16963840.07	39016214.1	119865657.7	1488792.087	315844431.3	16316347.9
>FS-3_14775	7649488.348	17598837.99	394587.408	25922124.06	13320273.15	11350552.1
>FS-11_8562;>FS-3_2146	17104299.22	39475270.12	7678579.365	22510739.24	1333122.208	9651663.49
>FS-3_20545	10046916.92	23302935.92	3394750.726	104230921.5	3999886.163	2978021.43
>FS-3_1882;>FS-14_16279	8202919.385	19177154.2	9730049.587	5650860.08	1964108.065	5779520.51
>FS-3_30923;>FS-14_18233	14254319.04	33407848.46	41872470.82	0	9321904.248	0
>FS-14_16848	297869432.4	698444438.3	615847284	388869829.3	950724061.7	119377481
>FS-0_56054;>FS-3_6788;>FS-3_8866	60952922.94	143116045	57464400.27	470810349.9	42201924.3	987854392
>FS-3_29566;>FS-14_18301;>FS-6_26887	21178920.83	49740091.72	17351971.8	4972445.053	41645738.08	40848822.3
>FS-14_25302;>FS-40_101445	18831815.1	44275725.45	177618563.3	28291356.3	13255431.2	607257.644
>FS-6_33334;>FS-3_46805;>FS-6_38760	4424778.234	10411175.57	5608585.898	1895727.832	5718568.027	3795449.44
>FS-3_57498;>FS-14_30691;>FS-0_33587	31630956.63	74608979.65	78140085.59	5128980.53	145362246.8	7005255.13
>FS-3_2570;>FS-0_39690	15576901.98	36871224.93	26111861.01	1089105.425	125053371.2	9378503.32
>FS-11_9149	264319.3093	625979.0079	4177033.464	27170979.64	0	0
>FS-0_42801	56905081.69	135175228.6	375974570.2	3684328.552	97475122.45	33869265.6
>FS-3_31171	16911628.23	40179517.86	20230302.1	6004979.316	17980011.34	6323054.56
>FS-3_32318;>FS-3_3200;>FS-14_337;>FS-14_509;>FS-6_4909;>FS-6_6595;>FS-40_88131	6974026.752	16680553.5	2851659.85	0	4282737.571	5912346.99
>FS-3_32827;>FS-14_1942	58048843.44	139466215.6	118142002.4	7522044.622	60563832.28	15194265.7
>FS-0_5281;>FS-14_19520;>FS-3_62956;>FS-3_49139	1036874.16	2496903.575	36568876.28	0	0	0
>FS-3_3949	9094131.381	22012592.57	15066262.98	1304521.257	9804894.862	4898778.62
>FS-11_15155	2340039.092	5668139.766	570327.9273	8549864.13	0	7397559.86
>FS-3_2337;>FS-14_15787;>FS-6_28227	6553049.423	15876160.27	20108819.72	915983.6499	11739933.32	0
>FS-14_325;>FS-3_1287	21481679.4	52053387.26	16355429.91	19436842	9914042.522	0
>FS-6_9668;>FS-6_7697	344682386.4	835804420.6	364016368.4	15005061.32	998243725.9	611566512
>FS-11_8802;>FS-6_660	14510410.06	35223026.37	9607239.649	16110768.86	18029190.32	943384.106
>FS-3_29733	2705769.431	6584034.796	11074118.49	2891009.171	4148098.949	0
>FS-3_505;>FS-14_119	29607551.12	72480551.1	23270107.52	584595.1879	46476916.17	342915.46

>FS-3_28418	71330158.68	175093362.6	38168783.21	52950847.11	217213006.2	15378780.9
>FS-3_2147;>FS-3_42227	1362473.543	3353267.863	27460497.31	3268668.808	14558039.81	0
>FS-3_4245;>FS-14_1132;>FS-14_22571;>FS-6_1229;>FS-40_89031;>FS-0_19841;>FS-0_53472;>FS-0_70184;>FS-6_46632;>FS-0_3650;>FS-0_47437;>FS-0_23416	5837155.038	14399105.08	7665824.571	0	20921726.45	0
>FS-14_17296;>FS-3_2946	21116260.48	52123181.87	70790383.14	36909909.01	16724090.38	2074398.68
>FS-11_9289	7329448.139	18118278.65	58275.81995	62680406.36	1926254.561	847162.478
>FS-0_41530	5198966.41	12860055.56	9068768.034	65852235.17	7227555.623	1254512.21
>FS-14_17847;>FS-3_56392;>FS-40_61778;>FS-14_25835;>FS-3_48285;>FS-3_2366;>FS-0_30917;>FS-0_68842;>FS-0_67581;>FS-40_21070;>FS-11_2414;>FS-40_25493;>FS-6_54364	4215574.796	10429406.74	65517301.93	0	0	4863125.79
>FS-11_961	4894223.315	12133799.91	9180037.708	120755210.2	5100758.75	0
>FS-11_11707	20651738.96	51842918.61	23498975.88	140402165.5	12069463.12	1274470.66
>FS-11_8580;>FS-0_55777	26454004.97	66430832.9	10132274.3	342506197.1	9901068.054	48369221.5
>FS-3_32476;>FS-6_10490;>FS-6_6137;>FS-6_26963;>FS-40_130440;>FS-40_23635;>FS-40_141187;>FS-0_76563;>FS-40_103402;>FS-0_1098;>FS-14_16497	3719129.616	9348527.632	4988083.131	0	965310.0242	0
>FS-11_1020;>FS-6_11669;>FS-6_41901;>FS-6_45466	7966625.231	20035631.87	5277383.588	81922049.1	10449840.33	0
>FS-11_1114;>FS-3_911;>FS-3_42932;>FS-3_62410;>FS-3_47254;>FS-3_47047;>FS-3_50383;>FS-3_45552;>FS-3_49711	4540536.629	11432402.17	17831711.73	11892116.26	318606.0608	0
>FS-3_360	3954839.294	9960857.263	12702357.25	0	27088320.2	0
>FS-3_2978;>FS-14_3958;>FS-6_6090	15433698.1	38909536.25	118399.2816	1621676.776	53373318.3	0
>FS-11_707	4425566.342	11206841.1	14367604.41	31077053.7	13920671.24	0
>FS-11_9269;>FS-3_48611;>FS-40_96600;>FS-40_96601	270350.2538	685599.4727	0	47756543.62	0	0
>FS-3_2117;>FS-14_1399;>FS-6_977;>FS-40_86289;>FS-40_41607;>FS-14_26678	12635942.12	32056955.55	16109300.47	10826762.31	7913528.059	0
>FS-11_446;>FS-3_23038	1230461.578	3122398.164	1804178.943	54614087.98	311012.3431	746713.617
>FS-0_21352;>FS-40_109294;>FS-3_49437	12693730.7	32325505.03	49094374.83	0	19290837.65	2102973.72
>FS-6_11863;>FS-6_16838;>FS-6_18665	17770520.07	45275550.78	28161659.28	9088661.106	32802389.76	3155314.95
>FS-11_8361	5161814.54	13184572.55	0	32032269.05	822220.1708	0
>FS-0_38827;>FS-14_5696;>FS-14_5478	36846596.74	94209722.65	29709948.11	1701284.106	216589146	40517312.9
>FS-6_32573	14697986.19	37618790.19	12544435.43	0	0	85134817.4
>FS-3_2362	210090293.8	537981663	478085455.8	27271981.18	787746386.1	88257400
>FS-3_3245;>FS-14_17427;>FS-14_65;>FS-0_10141;>FS-0_11211;>FS-0_11358;>FS-0_12344;>FS-0_14757	6013267.155	15409870.76	3871160.912	0	6212654.687	0

>FS-14_15490;>FS-3_363;>FS-40_77	19814863.81	50785183.78	135220825.4	5010507.183	76940950.38	2318388.09
>FS-6_45884;>FS-0_28427	5990843.238	15409279.89	34772340.22	3797396.668	2193739.82	139679086
>FS-3_7864	40358029.67	103849897.3	155330836.4	3953659.357	22345052.58	2083101.3
>FS-11_702	114148179.8	293770862.4	257053649.1	9637543.327	393102039.6	99898807.1
>FS-3_82;>FS-14_304	11914403.18	30670077.42	132704931.9	369003.0809	18589572.07	1763516.97
>FS-3_33696;>FS-14_1551	11559981.03	29767985.48	33438925.09	150520.5252	42161305.68	198459.046
>FS-3_15243;>FS-11_13180	4532163.449	11714055.42	0	44014753.01	1788696.207	3626169.57
>FS-3_31384;>FS-14_15062;>FS-6_14214	6463169.146	16717172.23	13160986.57	2334182.759	5518262.864	0
>FS-40_121486	12900056.02	33439138.14	19260876.09	119843073.5	7102243.199	24803248.7
>FS-3_32326	40744349.29	106208470.1	132146205.9	45156.87497	138555241.7	3426131.46
>FS-11_1869;>FS-3_20622	9827242.156	25628668.88	3145739.007	47324055.3	6665279.846	1484192.34
>FS-3_947	5820466.904	15288165.12	19450818.26	22397537.57	8232386.457	10719375.5
>FS-0_52601;>FS-6_45257;>FS-6_36965;>FS-3_16850	12579446.88	33061947.38	21812548.82	0	55687670.01	2378241.5
>FS-3_33825;>FS-14_2912	17356259.6	45641988.31	16803228.41	4861128.535	24859485.14	13828644.9
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>FS-11_11921;>FS-11_12627	6179133.66	16299316.67	9550644.287	12119662.81	17234306	0
>FS-11_9984	1156151.684	3056531.222	0	36760295.19	56116171.87	3194861.43
>FS-3_33872	27055155.94	71544221.57	15642312.82	9245238.093	99607288.24	23656750.8
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>FS-6_1342	22873693.17	60600776.67	145150897	49852.81601	11620643.33	66310463.3
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>FS-3_1845;>FS-14_8703;>FS-0_7566	15785514.94	41973568.56	139052199.8	81215085.68	28965713.8	7525314.98
>FS-3_1705;>FS-14_9187;>FS-0_41673	4363944.335	11613948.72	14762309.16	37311119.72	12419954.3	889272.574
>FS-3_28625;>FS-14_15862	8832690.985	23555908.94	8701875.575	5303120.548	19497815.86	226888.804
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>FS-11_274;>FS-3_14536	2594161.568	6968852.398	2450804.875	38094556.28	4703402.839	257802.071
>FS-14_9433;>FS-14_10618;>FS-14_21261;>FS-14_10619;>FS-14_21262	247359884.1	665500326.4	217165347.8	4078099.366	1393550594	256860952
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>FS-3_38967;>FS-3_6548	11642283.22	31621342.65	248642578.3	50463534.99	42962057.32	16298085.6
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>FS-3_11939;>FS-3_40439;>FS-3_41151;>FS-3_43484;>FS-0_27479	53117747.52	144718170.7	112140461.3	121320847.1	121125792.5	10353273.1
>FS-3_38982;>FS-3_39206;>FS-6_36089	8738432.728	23859114.58	31752545.01	5437752.118	14324218.25	47656711.6
>FS-3_1228;>FS-11_395	37167447.73	101504578	142194605.2	6657076.688	14873941.57	42146223
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>FS-3_3672	12408439.82	34001682.35	63088515.47	3066827.732	63619691.77	5829178.11
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>FS-3_1458;>FS-6_10268;>FS-0_20436	15074963.61	41431896.38	89880300.95	0	42509177.37	7636335.79
>FS-3_28985;>FS-6_7345	11428460.18	31437286.89	50033481.87	0	37196609.25	867721.968
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>FS-3_32200	25943341.01	71818130.95	61239073.48	2841451.086	52113052.41	111965354
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>FS-40_104450	3273843.84	9119111.342	101387603	13413289.3	103895.1309	1956839.02
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>FS-40_95498;>FS-3_3020;>FS-0_27277	7010418.405	19649745.96	15420125.25	194129631.5	7291597.149	1345098.09
>FS-3_205;>FS-14_770	11216760.44	31456866.13	4112542.531	4518149.741	5149418.73	7826001.09
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>FS-11_569	19787950.52	55591800.09	41257954.62	217315562	13048831.17	3656225.66
>FS-3_30119	5807378.711	16317541.63	18672542.9	7895974.348	8031153.919	819259.256
>FS-3_31062;>FS-14_466;>FS-6_9256;>FS-0_40721;>FS-40_50345;>FS-0_56448;>FS-6_46943;>FS-40_37219;>FS-14_828;>FS-40_47443	17365007.33	48909323.89	0	18418257.31	11457661.75	0
>FS-40_53671	4795477.755	13528581.29	0	83181648.71	0	0
>FS-11_3942;>FS-11_12662;>FS-40_82148	335776499.2	947595948.8	93236687.5	3953796543	362938639.7	329935779
>FS-11_9900	81193964.76	229468306.6	11318900.75	1018586914	55750353.79	7922259.09
>FS-3_4428	8332939.022	23614287.84	44065842.14	583927.8369	20853384.16	0
>FS-40_51333	7409104.492	21007663.9	22577376.83	276659605	9589696.581	4953362.01
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>FS-14_15059;>FS-3_56276;>FS-6_39423;>FS-6_4466	13654007.42	39267527.51	7525350.676	2522991.65	37220382.95	4929866.94
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>FS-14_16156;>FS-3_31025	13554234.4	39144673.51	15322676.59	3859038.926	52071438.32	0
>FS-11_10300	19585014.58	56580471.98	80654076.92	603974134.3	41895193.62	35341593.8
>FS-0_25738	13723498.27	39859552.6	27253347.03	307754760.2	14663679.83	9813528.9
>FS-11_3060	17225374.04	50042952.04	35827970.46	279334280	8760032.761	4939121.67
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>FS-3_28938;>FS-14_15262	21992149.88	64336148.74	23456120.94	3905751.829	40467277.42	6728563.98
>FS-3_31669;>FS-14_17701	23805098.21	69835603.66	45013945.08	4580664.252	48520803.52	7246626.49
>FS-14_10249	45756285.27	134316738.4	88814989.46	0	22010702.49	0
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>FS-3_33613;>FS-14_1;>FS-0_1639	8676737.829	25684142.4	132369738.6	49643.57896	2111856.446	23733346.6
>FS-11_3843	18369364.66	54658110.74	43130754.3	227769520.6	9889022.586	11458843
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>FS-3_33611;>FS-6_43168;>FS-6_40736;>FS-40_72996;>FS-0_26810;>FS-14_2430;>FS-40_98805	4142511.643	12348080.02	38001926.14	0	2846596.739	92874272.6
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>FS-3_3285	9299399.306	27772428.01	26714125.46	1177132.061	47049412.51	25078374.1
>FS-11_1460	11103163.63	33177884.38	39598877.28	275866816.9	2113760.189	18155596
>FS-14_10872	7417628.82	22179212.6	39327161.01	248497.6297	19025677.35	8498879.64
>FS-3_29428;>FS-14_1845;>FS-6_28396;>FS-6_10822;>FS-40_114237;>FS-40_80887;>FS-40_101062	44370503.15	132671433.7	194685209.8	21829302.23	19436238.74	21810770.4
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>FS-40_71707	10963238.59	33285714.01	132996441.5	0	8044806.632	18070070.5
>FS-14_16287;>FS-3_2713;>FS-3_2643;>FS-3_15951;>FS-40_2045;>FS-0_22531;>FS-0_40537;>FS-6_7109;>FS-40_43407;>FS-3_2640;>FS-0_1717	4790239.445	14554960.7	15255386.2	0	1948284.42	0
>FS-6_21228	6973421.477	21268310.51	24855527.35	0	6328547.173	749281.604
>FS-14_6431	16099195.37	49170772.83	8934634.772	221956645.8	74524387.28	42926147.5
>FS-3_12863	11686929.84	35759509.2	31034701.05	228431681.9	3747741.231	1098895.44
>FS-3_29322;>FS-6_11458;>FS-14_7880	14628223.27	44923568.13	36186807.64	219204.8026	34087083.58	1396129.05
>FS-11_10049	3590048.616	11040579.88	3913422.59	49983587.36	3942297.405	1824055.59
>FS-3_31406;>FS-6_1350;>FS-14_882;>FS-40_15823	4346626.625	13375158.57	43145719.95	0	6126620.404	8325695.89

>FS-0_5346;>FS-0_72453	3975013.269	12284097.79	20286314.3	124665.5419	726916.5231	203556.124
>FS-3_41153;>FS-3_47202;>FS-3_61927;>FS-3_62672;>FS-3_42556;>FS-3_47206;>FS-11_11948	5786909.566	17959656.34	18130909.66	72774676.86	1824175.437	3343070.55
>FS-3_46125;>FS-3_44109	10658199.96	33107535.99	74921084.27	0	50982151.38	0
>FS-3_3232	31359994.17	97850469.39	25839001.95	2850093.464	61536073.44	9096733.2
>FS-3_39791;>FS-3_19435	240129122	749753366	309895041.6	3789688.887	847300713.1	236217948
>FS-3_753;>FS-6_33562;>FS-6_14870	17081352.7	53407277.43	72514273.56	0	14933022.45	20318639
>FS-3_31754	8316097.842	26007692.93	71386376.62	4766926.042	13295598.76	10355276.5
>FS-3_31940;>FS-14_17067;>FS-6_27479	26754948.72	83744365.55	105253069.4	18917464.02	34518567.22	2774853.45
>FS-11_3785;>FS-0_27138;>FS-40_6534;>FS-40_99142	6137534.211	19263635.98	6155320.906	14342760.42	855359.6352	1309709.15
>FS-14_22494	38864068.54	122008127.2	423274870.8	190388.2817	11007848.57	0
>FS-6_28698	100201782.1	314767132	661991039.9	0	149182977.1	49517490.8
>FS-40_93856	20091982.29	63234581.58	10250646.63	404604.6288	2066354.972	4374316.56
>FS-3_30935	7060439.941	22236196.09	166595512.5	0	2825964.708	0
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>FS-40_29404;>FS-40_11255;>FS-40_51492	13119005.29	41497425.12	176246.9894	0	8645402.719	7016178.39
>FS-3_33593;>FS-14_1306	7251837.274	23138182.89	11173891.13	327846.206	1342188.883	1614336.63
>FS-3_31291;>FS-40_6395;>FS-6_28492;>FS-14_1574;>FS-40_2228;>FS-0_13880	6621139.076	21150760.71	50620182.59	2272439.79	6096485.78	44462906.2
>FS-3_33386;>FS-0_457;>FS-40_82436	3824705.896	12264068.74	127780.1939	0	10199529.13	0
>FS-3_32225;>FS-14_17896	1011566.488	3246315.193	62075048.15	2566872.338	1266997.284	5026377.01
>FS-40_15809;>FS-11_3510	3142376.603	10160273.71	7542132.777	51449293.39	260403.1714	2278125.66
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>FS-0_38293;>FS-40_32873;>FS-6_26751	407179.325	1320618.407	1778000.041	0	17784.10143	60496751
>FS-3_33705	10919954.64	35477679.92	21526695.51	2075230.849	104530837.3	1555127.27
>FS-3_29858;>FS-6_45363	12245130.42	39844992.43	79377588.6	88686.85991	70770394.63	1215781.39
>FS-3_30495	8993283.661	29329045.81	58091882.12	3720032.639	53456859.81	998483.364
>FS-3_33578;>FS-14_17697	17434596.56	56926898.09	32987731.66	1269117.228	67803190.75	173259250
>FS-40_131630;>FS-40_31257	960648.5992	3138075.372	0	5001730.438	0	122586680
>FS-3_2506;>FS-14_2202;>FS-40_79722	96608973.31	316260700.1	134709816.2	10140966.46	448992802.5	4174422.19
>FS-3_28699	26905318.2	88352649.68	124429080.7	305959287.1	123730997.9	4863820.5
>FS-3_28523	6357510.396	20952964.57	38139645.55	0	4163266.773	2369788.54
>FS-3_13976;>FS-3_15131;>FS-3_12532	45411636.45	149732641.1	24343067.34	0	95879003.4	23167950.4
>FS-3_2706	46309122.39	153343459.5	32264154.35	5782931.845	32398363.86	31998017.6
>FS-40_31147	69274567.41	229515962.3	427388016.7	240514803.7	48320797.95	43058293.6

>FS-3_28508;>FS-6_16210;>FS-14_15212	5854451.305	19399305.76	14791539.76	4441541.723	47063003.47	2838874.2
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>FS-3_34005;>FS-14_17373	126170848.8	419047937.6	224575829.6	66997323.01	167149245.7	16746954.7
>FS-11_90;>FS-40_99841	2164069.094	7199415.733	5443322.16	49271914.39	1168801.032	915609.91
>FS-6_7102;>FS-6_8056	5385707.799	17921936.68	41426871.12	0	22057738.43	6939561.79
>FS-3_29023;>FS-14_15983;>FS-6_5255	3548247.112	11808231.63	9841740.298	0	11703690.56	0
>FS-40_30481	3518890.707	11726903.55	0	23796659.82	790107.0975	623164.898
>FS-6_7936	19872479.45	66375025.11	56645777.86	1216575.666	61197547.54	6341963.84
>FS-11_867	460516.263	1542778.177	6660257.997	27852543.34	119131.7919	3670565.82
>FS-3_23329	61084136.11	205005940	237422615.7	1656428.291	114852441.8	0
>FS-3_30530;>FS-14_15123;>FS-40_79063;>FS-6_35702	11554229.99	38845865.1	12466209.97	2066031.01	59058025.53	1265001.2
>FS-3_35182	29023058.7	97655342.27	460637109.4	261361.2495	12529768.91	18912587.4
>FS-3_11650;>FS-3_12968;>FS-3_13722	14097911.64	47926543.97	85035433.26	1401681.733	22143360.63	9068726.66
>FS-3_33421;>FS-14_18380	30801665.17	105090980.2	63249808.5	19696396.56	76432247.35	2810108.21
>FS-3_2468;>FS-14_15803;>FS-11_4928;>FS-0_5223;>FS-0_52099;>FS-0_10302	5163760.541	17620455.62	17297249.84	1255330.132	13709965.68	0
>FS-14_15944;>FS-6_27574;>FS-3_1727	27254199.17	93097168.28	40515882.26	3209241.393	113270256.4	314137028
>FS-11_8728	31564143.97	107973006.9	141917921.3	730125430.7	42346463.59	47344959.4
>FS-3_4246	7213878.418	24683676.55	22725529.54	475454.3543	15907144.6	1182832.01
>FS-3_3993;>FS-14_15387	11798938.04	40395062.94	16535226.18	13145995.51	57793621.04	2143912.66
>FS-3_33003	13638574.56	46738982.41	67593880.89	503968.2674	25475146.99	6813527.72
>FS-14_15323;>FS-3_33655	10904398.49	37372498.16	45589398.75	3172891.69	15740603.8	5697670.09
>FS-3_32194;>FS-3_20045	8112740.774	27828808.44	9554442.76	25214739.78	4579323.884	0
>FS-3_4673;>FS-6_26775	18569586.99	63704310.13	20165799.53	13987642.05	36860434.1	11738361.9
>FS-3_28796;>FS-0_502	20166607.67	69252610.76	38113433.49	29205532.12	50777901.68	355597.198
>FS-6_35739	9132442.45	31409884.8	187998585.4	668557.6351	21916180.75	0
>FS-6_27302;>FS-0_60679;>FS-3_57491	19497687.43	67082817.08	14376908.85	186617.5975	42198633.36	1058777.56
>FS-3_42489	4681612.674	16118592.27	2985697.886	19196638.52	28004952.43	53002280
>FS-3_32278;>FS-14_17564;>FS-6_1495	17529815.64	60495388.01	30770720.49	4802413.791	132640767.5	69952193.5
>FS-14_16447;>FS-3_55930;>FS-6_1332;>FS-40_61766;>FS-6_10239;>FS-6_5200	14296242.35	49397527.57	32310430.92	231111.17	4069087.998	4989112.01
>FS-11_8995;>FS-40_11939;>FS-40_11940	1193625.535	4127768.8	5112756.177	29460446.84	0	331716.182
>FS-3_32218;>FS-14_16019;>FS-14_15636;>FS-0_43375	6551399.124	22683513.25	7223141.637	0	8858783.695	0
>FS-3_2430;>FS-6_16168	9670703.773	33543497.93	12118499.15	12435306.48	35713611.2	1726453.16
>FS-14_24330;>FS-0_1603	11629280.53	40572935.09	51386156.42	0	11380299.91	34699664.3

>FS-11_3018;>FS-3_42157	5587458.142	19512090.31	5234184.395	117302573	3459402.48	5356220.91
>FS-11_4145	5222622.045	18269889.65	25302293.51	75095333.98	3302076.692	3690740.64
>FS-3_56377;>FS-0_53358;>FS-0_51893;>FS-14_16221;>FS-0_51945;>FS-0_49491;>FS-0_52391	12910573.19	45222317.36	53491434	34833529.19	39647633.53	28943954.4
>FS-40_7859	18094501.09	63415456.1	7576041.372	138403364.6	9654269.78	0
>FS-0_4576;>FS-3_43529	11438355.82	40184991.76	38026263.57	11788479.37	28215526.29	75368902.5
>FS-3_4331;>FS-14_885;>FS-3_3759;>FS-6_27137;>FS-6_531;>FS-3_39867;>FS-3_47068;>FS-0_22191;>FS-0_65293;>FS-40_72370;>FS-0_39268;>FS-6_32100;>FS-40_43790;>FS-40_49731	1409235.882	4977722.089	8051738.897	1498787.807	226061.7215	0
>FS-3_32203;>FS-6_26918	9715430.551	34358383	16175221.31	1689164.356	22668118.94	555077.571
>FS-3_10273;>FS-3_10777	28594844.47	101370579.7	3761070.801	332103363.8	23391852.8	10604936.1
>FS-0_17719;>FS-3_44366	28673828.82	101980734.7	96862453.8	256372453	61478932.39	271329.535
>FS-3_9818	18515049.66	66126643.07	14837534.49	847523.0292	60661330.24	5866114.11
>FS-0_16370	8988097.587	32226492.52	20751573.05	0	24159091.81	93453.3349
>FS-0_14676	31554139.48	114079435.9	99137839.24	35729.66837	25098638.76	5186264.19
>FS-3_29130	2054817.044	7450542.993	3744640.034	0	6783497.849	951082.6
>FS-3_2655	11534542.72	41994179.87	128582814.7	6928712.088	17044078.17	2510599.84
>FS-3_10899	2813884.401	10244722.18	102587688.5	0	536183.8046	0
>FS-11_8344;>FS-3_46695	1258187.999	4612414.793	371548.7224	13816387.59	79080.16812	8742921.19
>FS-3_1001	2899554.976	10643357.41	33590760.32	0	3853221.573	36636855.8
>FS-3_30184	28665055.5	105275694.9	30515573.16	9355894.189	32456181.42	227961.81
>FS-3_28448;>FS-14_237	3869110.967	14248657.45	7061653.993	920259.6743	22180584.66	1163970.66
>FS-0_19222	2556488.536	9488984.177	5636816.856	0	24517294.85	0
>FS-3_31753;>FS-14_15584	5902425.547	21951525.17	73112962.47	3165402.1	19795848.53	1770420.02
>FS-40_17321	2349240.862	8743061.773	0	18750997.54	46828.22432	0
>FS-3_41990;>FS-0_20250	21496038.41	80182434.96	75954778.15	18661580.69	122692733.4	4269452.71
>FS-6_34138;>FS-11_11961	13164669.62	49273288.28	94997023.21	55312756.13	24707493.63	5359633.84
>FS-3_5649	279711.9413	1050766.218	181498536.3	0	55697718.13	0
>FS-3_33838	5822620.156	21910087.07	4363127.095	0	16344499.19	1603850.68
>FS-3_46160;>FS-3_49984;>FS-3_48214;>FS-0_45144	6831690.913	25734665.36	45630938.94	1924389.956	202199.9745	0
>FS-3_56939;>FS-14_16034;>FS-0_47266	892031.6186	3370960.165	0	1792252.76	5085907.2	0
>FS-40_5452;>FS-11_19250;>FS-40_46867;>FS-11_14841	1098477.564	4151591.612	502310.6795	28527672.46	624435.326	0
>FS-6_19158	2350486.932	8901881.552	45228.63499	33681974.27	1415994.882	0
>FS-3_4530;>FS-14_17321;>FS-6_19349;>FS-0_11897	12737597.02	48548708.32	27139736.75	1831782.705	114370746	0
>FS-3_32281	9192902.544	35151932.18	4413455.076	136612.6487	8450934.246	762941.869

>FS-3_30554;>FS-14_17641	203276987.4	779663217.4	395049160	69571533.49	164979948.6	224956653
>FS-14_23;>FS-3_31248;>FS-6_1595;>FS-6_41758	10781712.69	41362883.94	14320655.43	5869638.217	44402182.78	7757038.03
>FS-40_13596	4207562.917	16160253.7	21766615.47	0	14488533.1	0
>FS-3_33376;>FS-14_554	67535493.36	259403963.7	213119369.9	5091010.883	237785630.8	31845216
>FS-3_1281;>FS-11_14872	106874958.4	410804417.2	114638293.5	101732478.1	199224312.6	1478554.31
>FS-3_12350	7184407.968	27627715.72	37348379.82	0	4689533.202	1873771.64
>FS-3_13323	53247679.1	204844103.5	581984193.5	991825236.5	358141714.3	139574795
>FS-40_18724	995699.2913	3864747.891	195669.7592	28937450.41	12153897.28	5251675.65
>FS-3_32089;>FS-14_1146;>FS-6_26868	5611423.457	21826516.58	7060858.6	0	4672509.047	17512610.1
>FS-3_28855	15548912.96	60710650.97	7083641.972	19110322.81	38776238.22	29767555
>FS-11_496;>FS-40_72869	3893411.855	15206805.8	6720624.831	30410314.73	8295.300304	0
>FS-3_16578;>FS-11_4245	7751464.238	30353015.56	28304105.44	107289765.1	11623673.73	3117510.46
>FS-0_12268	26514665.05	104198626.3	113439712.9	1499139.928	11242589.87	73826301.4
>FS-3_3025;>FS-14_2499	14725891.76	57939711.64	31268144.88	5713714.154	22256499.24	12341072.5
>FS-11_10314	14797717.93	58896875.87	6992424.505	136990188.8	8016737.474	6893879.51
>FS-3_29485	16537756.29	65924523.35	62435801.79	124823489	17491680.23	3423576.57
>FS-3_32917;>FS-14_423	2400657.14	9593856.919	2156650.42	3996186.03	175585.1065	0
>FS-3_7947	42920244.14	171688877.8	517677452.1	0	37844364.99	0
>FS-3_1778;>FS-6_9788;>FS-11_2462;>FS-14_21738;>FS-0_11331	3633394.01	14567523.54	14862261.86	3342360.876	4602137.414	639749.816
>FS-3_3153;>FS-14_15559;>FS-6_38299	7167672.109	28776479.58	13144110.12	2422518.52	57414317.21	2909232.86
>FS-3_33377;>FS-14_642	23445379.48	94266048.61	24451759.61	53796143.61	63308028.01	8559244.06
>FS-0_26793	59910931.58	241086049.1	53445405.4	2317296.413	275647646.3	24123767
>FS-3_33350;>FS-14_32231;>FS-14_11173;>FS-14_11111	7419496.094	29896673.35	12425142.01	2275501.171	3264826.965	6435553.39
>FS-3_31367;>FS-14_15726	7923798.037	32147426.63	23691568.68	3469754.636	1453139.595	5975563.59
>FS-3_1482;>FS-14_16023	1906809.382	7760365.955	7532983.563	13031520.45	12210839.7	718073.426
>FS-3_30599	8495297.952	34682767.66	37372687.61	0	66531936.98	36625142.8
>FS-40_62062;>FS-3_33610;>FS-0_40051;>FS-40_54145	16535719.61	67822636.8	84431283.78	4219099.323	7494494.552	32006224.3
>FS-3_31755;>FS-6_6532	13366876.99	54839479.26	35645589.28	4961088.013	33778139.77	4682023.24
>FS-11_1030	7572521.811	31076245.85	9460388.217	264582514.7	4068317.858	313472.773
>FS-11_9613	1227613.452	5052340.048	4865621.321	7422163.797	6577248.93	0
>FS-14_15048;>FS-3_57165	41193205.06	170674655.5	200569570.8	11806027.6	16770367.02	2832517.34
>FS-3_3055	31137979.25	129086990.5	30010405.55	25645715.26	56737193.03	15233292.6
>FS-3_97;>FS-6_28386	7216500.77	29924612.65	28357012.23	461598.1903	19112695.17	623079042
>FS-3_57909;>FS-14_18501;>FS-6_4675	15470757.72	64197484.99	111320180.8	5000161.594	19522003.43	6631298.93

>FS-3_3367;>FS-14_15187;>FS-6_39462	64679325.61	268443423.2	84157831.16	165405750.9	97326832.92	9542679.97
>FS-3_31509;>FS-14_506;>FS-40_8615	17416166.25	72343445.15	19414304.54	6352905.657	41575465.38	1403287.26
>FS-3_28576;>FS-6_26961;>FS-14_1973	4303791.163	17919699.93	93646.16383	165835.0361	6427226.795	0
>FS-14_33;>FS-3_3777;>FS-6_20630	10196508.02	42612330.34	23736385.96	2846257.447	12007667.18	0
>FS-3_33080;>FS-14_15145	5100118.635	21377984.68	967104.8097	0	10034411.55	0
>FS-3_12694;>FS-3_14062;>FS-3_12976;>FS-3_11607;>FS-3_14133;>FS-3_19219;>FS-3_14655;>FS-3_12066;>FS-3_16670	14708316.84	61912730.87	39702527.05	2571855.635	19152535.08	26218804.5
>FS-0_38205	16706351.52	70423275.51	40555989.37	22904.62265	15122767.16	9410955.44
>FS-3_42213	18126587.08	76569637.96	70606248.81	0	6988797.811	0
>FS-3_32284;>FS-3_20266;>FS-14_23224;>FS-0_1644	42722722.37	180828925.2	18111866.63	0	38193311.5	666678.015
>FS-3_32569;>FS-14_1822;>FS-6_29024;>FS-0_58918;>FS-40_105038;>FS-0_1563	33661611.38	142819450.8	53484645.52	19268016.74	277545876.7	0
>FS-14_796	5758924.294	24438711.1	12542363.22	0	11594309.02	0
>FS-11_200	224906.7533	956330.4723	0	10424011.31	394231.4503	269587.568
>FS-3_33220;>FS-14_15662	7359485.637	31345180.4	13851707.03	1619309.868	8489154.239	2231619.65
>FS-3_1330;>FS-14_25888;>FS-0_53217;>FS-14_24789;>FS-0_81611;>FS-0_58086;>FS-40_740	6001434.4	25699397.63	26185863.93	1140687.456	16173839.59	769695.17
>FS-3_4560	4579779.723	19704965.05	10105805.02	4172141.088	7334391.932	5800992.02
>FS-3_29127	15463971.6	66623596.39	99200855.85	67231009.78	123056925.7	122857025
>FS-3_58608;>FS-3_7999	16704749.43	71979143.45	197671910.9	2253238.421	2921354.466	0
>FS-3_29249;>FS-11_5913	2719607.97	11749117.92	7657930.775	16096188.11	166131.8709	0
>FS-3_2426;>FS-0_70259;>FS-14_7911;>FS-14_7424;>FS-14_21059	10478659.67	45288233.13	47188031.83	1641964.759	58715875.88	32466569.6
>FS-11_728	5764817.158	24934908.12	1724134.972	54274076.61	5940910.035	0
>FS-11_752	7273613.431	31791715.07	67084704.43	162571124.8	1032366.595	0
>FS-6_40356	20148397.76	88345731.47	177495516	0	36512557.08	8671208.35
>FS-3_29645;>FS-14_6815	2361341.02	10358607.35	114787301.9	0	18782813.43	0
>FS-40_75591	1493072.913	6559646.982	392244.1313	0	3339565.002	358080708
>FS-14_22232;>FS-3_29620;>FS-0_20415	1166596.399	5149404.053	772120.5122	0	8941694.033	0
>FS-11_1105;>FS-0_18823	99135301.78	440236005.2	51391087.95	1374819652	144491915.1	89567445.7
>FS-3_32161;>FS-14_15967	18372557.44	81759943.71	53523164.62	20720444.4	84429347.58	6786433
>FS-3_4097;>FS-0_14632	41838698.63	186234354.2	41276540.15	500152176.4	41552011.01	6088974.96
>FS-40_25274	1373764.587	6115063.707	5090797.411	49350292.49	7511071.17	1091814.23
>FS-11_610;>FS-6_26421;>FS-3_49431;>FS-0_22835;>FS-40_79358;>FS-40_46740	3574113.593	15931382.69	193529.1987	10894893.54	0	0

>FS-3_30443	2600701.464	11699587.4	7699684.372	20014004.92	4767815.796	1805476.69
>FS-3_3649	9053978.376	40922956.29	118583418.4	4629793.018	21342637.55	5776146.19
>FS-3_56459;>FS-40_93584;>FS-40_53804;>FS-11_3418	1767656.673	8003933.13	36383420.95	10732650.35	3592341.903	0
>FS-3_28878	1882593.995	8534100.4	3176279.935	0	2327009.762	30468.0984
>FS-0_868;>FS-6_31890;>FS-3_2242	46409844.65	210529522.3	20081409.24	0	103197093.2	2367232.4
>FS-3_12900;>FS-3_13522;>FS-3_22030;>FS-3_21767;>FS-3_19239	8460802.386	38461328.36	82477687.38	218273.0556	3489276.482	0
>FS-3_3826;>FS-0_39840;>FS-14_8504;>FS-40_76320	2371943.268	10782716.85	2570127.3	0	5060499.042	1853924.87
>FS-3_182;>FS-40_84254;>FS-6_19887;>FS-6_16383;>FS-14_1898;>FS-6_46346	7458176.463	34019396.26	10807623.8	3404360.923	43760262.92	0
>FS-3_3035;>FS-14_15369	15119402.27	69535925.04	36246973.5	26268340.66	86587692.1	5763512.02
>FS-3_10213;>FS-3_18838;>FS-14_24771	25106486.33	116285065.9	46616506.55	0	21133958.05	0
>FS-3_2656;>FS-6_713;>FS-0_4600	20513455.88	95348568.51	29654822.62	15034880.21	152555641.2	99911337.6
>FS-40_62528	438115.1063	2038358.867	0	0	50370.91407	45612283.4
>FS-3_32067;>FS-14_18228;>FS-11_3279	20600599.18	95927925.3	34565284.48	5785857.584	56998895.79	22690427.4
>FS-3_28647;>FS-14_1825;>FS-6_10493;>FS-0_350	9555860.587	44517334.7	69824216	1814734.282	21869922.74	9971993.7
>FS-14_21939	7465575.306	34986319.52	160187199.9	1528704.887	91923459.99	22434933.7
>FS-3_32821	15643854.65	73622855.04	28401786.06	26417397.79	13777083.4	45238835.7
>FS-3_4191;>FS-14_2293	4177853.221	19666283.31	20245967.83	0	38102099.41	611073.959
>FS-40_68921;>FS-11_9136	8375817.246	39448057.09	65024301.66	11104743.41	42717720.9	0
>FS-40_76905	8088.985656	38225.97311	12762105.33	0	2294884.601	0
>FS-3_29492;>FS-40_9949	432736.9578	2052637.182	4463602.373	71463865.72	2104268.035	0
>FS-0_26822	19639781.46	93441308.52	56597803.96	0	103521688.6	58393555.7
>FS-3_1393;>FS-11_3957	1847885.799	8836149.829	2750162.67	19211601.81	3885266.452	0
>FS-3_14841;>FS-3_35156	10095322.05	48455525.21	78810802.93	1359278.717	44899730.57	4050607.3
>FS-3_2743	11787066.46	56609085.36	13048547.35	8450234.673	32724820.72	11171825.8
>FS-3_32260	94860004.55	455710937.1	107344669.6	51046365.83	623924327.3	28765351.7
>FS-3_4262;>FS-14_7550;>FS-6_10916	15532354.76	74863003.58	61027370.09	12022911.75	35941258.47	7618602.44
>FS-3_3946	11760440.17	56705774.72	49846226.16	17489505.41	20679608.36	10955359.6
>FS-3_33692;>FS-14_17386	14110116.47	68115927.62	21529740.69	5208713.839	13201059.39	3017063.98
>FS-14_15822;>FS-3_32257;>FS-40_541;>FS-6_39456;>FS-6_12649	3107021.771	15057596.68	12176360.87	10053306.3	2830418.956	84361.9468
>FS-3_4710	7123941.952	34527283.19	64327661.35	5242504.977	19789807.36	86819099.5
>FS-14_23653	26940180.65	130853222.1	93127584.62	63403979.04	22300245.13	45149381.4
>FS-3_33234	569761.1733	2785548.531	373392.501	8791139.715	1161945.05	13257082.8
>FS-3_13874	975188.1455	4777650.668	0	6947100.637	0	0

>FS-3_28800;>FS-14_15348	8809384.608	43196102.93	27539975.68	95186.42239	31283970.58	0
>FS-3_288;>FS-0_46041	28704449.7	140968073	290007901.6	44839531.08	62075505.94	0
>FS-14_8753;>FS-6_42156	26254803.42	129132432	151355095.5	128272.26	85157800.82	2039885.4
>FS-3_33668	13247834.05	65200037.8	31133926.92	4946457.925	47969101.52	6581199.91
>FS-3_4407;>FS-14_1729	40043098.94	197649599.3	112317797.1	10888000.58	108354633.5	4835353.97
>FS-6_5279;>FS-3_30289	13435924.33	66321863.68	81120521.94	1522101.295	60153090.81	51481391.9
>FS-40_33665;>FS-6_17221	3059838.666	15114391.94	18698266.98	6104963.888	0	0
>FS-0_62564	2316874.79	11449076.48	40287155.83	0	12409302	0
>FS-40_19187;>FS-40_98142;>FS-40_50733	21362751.7	105990514.6	221206213.1	9582043.168	7705568.5	621092024
>FS-3_33222;>FS-14_16112	24984115.93	124036447.4	36247211.22	37921886.97	132904149.7	19679540.7
>FS-3_4615;>FS-14_737	2431817.796	12087308.93	4046268.967	522517.9448	7999307.283	649094.436
>FS-40_94533	80912527.88	405640898.2	56190007	1104601100	94728735.29	181473487
>FS-14_22493	14724898.38	73823355.49	119799974.1	0	27477291.1	9273643.84
>FS-6_28500;>FS-3_135;>FS-14_23709	4406128.788	22289604.99	25133291.09	34487231.88	11847172.04	1272706.63
>FS-3_2292;>FS-6_384;>FS-14_17319;>FS-0_19578;>FS-40_102944	2089599.848	10629506.48	15727003.86	0	2681814.903	97829.6131
>FS-14_2605;>FS-0_1306	4412180.79	22449422.2	5276459.886	1029344.733	27436068.45	2404954.85
>FS-3_1209;>FS-14_26057	11950587.87	60987382.74	48765508.46	383426.4356	52312243.39	20051501.5
>FS-11_9059;>FS-40_88834;>FS-40_82562;>FS-3_14802;>FS-3_14803	1230067.862	6280679.826	576824.7161	61269168.5	2032955.702	2451357.8
>FS-3_1684	24065610.11	123491758.7	106849686.6	0	69243333.39	134895118
>FS-3_32;>FS-14_15305	4742356.657	24338069.69	14028632.62	837265.04	28268760.95	114938.828
>FS-3_29742;>FS-0_53047	1964402.043	10098480.93	102075243.2	2681727.05	10842676.27	0
>FS-3_40080;>FS-3_40591	19333361.37	99966072.53	29608814.84	60088.36643	1031277.287	289896168
>FS-14_18118;>FS-3_58157	122272442.1	633262741.7	457345206.6	51900700.18	806054078.4	20804715.9
>FS-3_33751	15465978.97	80194594.87	14376924.75	1071093.503	60112045.3	6960146.23
>FS-3_61715	28175266.88	146232668.3	477333038.6	52960440.82	17806869.87	860187.027
>FS-3_31472;>FS-14_18310	15291780.85	79666040.78	51071165.56	7084955.966	86423560.59	3817073.57
>FS-3_3238;>FS-14_15961	12968381.66	67571713.52	37646027.97	6641295.24	24239346.9	5515200.81
>FS-3_28417;>FS-14_16975	10376514.82	54167880.86	28276366.58	14108555.73	52568781.37	24860159.1
>FS-3_28583	16670974.23	87154764.42	45073950.09	976499.0005	75368141.56	26296215.3
>FS-3_4018	10516011.98	55015025.89	49966761.1	4133505.396	39820590.79	2119439.73
>FS-3_30645	21140379.28	110633585.9	135471644	75141.88937	16451812.58	2004064.36
>FS-40_35725	31168286.11	163276697.3	547466968.1	33236181.68	36019142.55	2323493.44
>FS-3_3236;>FS-14_15583;>FS-0_44984	6112797.646	32111592.92	48636957.3	107024.858	33729657.16	0

>FS-3_33112;>FS-6_38560	1653172.428	8688244.701	8650582.135	773091.8106	3174045.428	610427.222
>FS-11_10041;>FS-14_9036	1065284.211	5612350.346	941861.3627	14577121.48	338738.8413	0
>FS-40_23613	21969271.24	115796105.7	96396157.06	5275593.542	23815159.66	39942007.5
>FS-3_28534;>FS-6_14535;>FS-14_28184	2570202.032	13597416.4	24107003.53	36518014.01	15901381.95	219409.541
>FS-11_13758;>FS-14_6231;>FS-6_20402;>FS-14_9367	9966562.803	52897392.26	3783480.514	12581502.7	3030433.119	2420969.95
>FS-6_36822	13479642.07	71580219.35	61835733.5	1033886.189	82846453.53	50884672
>FS-3_28835	1070264.333	5705705.029	108248055.6	0	407973.5263	0
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>FS-0_28855;>FS-6_21320	31691261.29	169239570.1	104360187.3	448633.4158	10868630.07	92692761.5
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>FS-3_29381;>FS-14_15520	16774454.71	89796944.11	24828533.32	4653776.231	69662957.55	6170733.35
>FS-3_2248;>FS-14_1971;>FS-6_28207	8349333.375	44855666.14	18363606.01	1548936.955	25397411.68	1270404.68
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>FS-3_2804	6167587.495	33724724.28	34302418.57	2357062.035	48786456.71	0
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>FS-3_2966;>FS-14_1439	58027434.63	320545579	207479747.5	20420843.24	183728526.5	24365251.1
>FS-3_28449	90632868.54	501157488.7	108457916.3	53971309.49	575192006.6	32753438.4
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>FS-3_41420	34753973.61	193332785.7	81741240.79	13745000.42	147555403.7	180276331
>FS-14_8;>FS-3_2815	4154147.509	23184640.58	7928846.126	1155565.575	22022300.18	2446456.79
>FS-3_3056;>FS-14_374	33822140.91	189561030.6	89240018	10673656.6	178351234.9	3174509.07
>FS-3_4504;>FS-14_2891	2287233.842	12829168.02	6239265.197	163565.6032	15687181.83	13705784.4
>FS-3_2324;>FS-14_7176;>FS-0_31491;>FS-14_31012	11142491.08	62706710.61	20413469.85	9251197.57	16247102.75	3832509.27
>FS-14_25671;>FS-14_28427	9727183.072	54991633.89	40959332.76	159998.6088	12760318.27	21408206
>FS-3_19104;>FS-3_38501;>FS-3_20118	130529178.8	739001133.3	558568479.4	4174977.313	876358312.5	258253135
>FS-3_32588;>FS-14_2723	4571388.611	25934623.53	150798143.7	42743.49598	31116775.98	810859.797
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>FS-3_2723	47533584.67	270728636.5	173375149.8	40734494.81	161385144.7	4026774.39
>FS-14_307;>FS-3_31971	65948983.94	376332135.3	94454900.82	43631613.7	430809706	11898790.1
>FS-3_3243;>FS-0_12974;>FS-0_14962	8445953.963	48324577.33	82362008.64	10014627.64	25917225.8	1219199.49
>FS-3_32190	9235813.32	52946002	10031099.29	1943106.384	3120197.985	1339116.17
>FS-3_33896;>FS-14_16448	18275690.58	104774838.6	26463767.49	14329181.66	19592869.94	9967440.78
>FS-3_2551	3103588.408	17801442.52	2075329.869	1071121.397	6756503.868	5386370.81
>FS-3_60835;>FS-3_20490	6045102.008	34723576.8	1707052.476	0	50410393.71	1565338.18
>FS-40_38864;>FS-40_53472	6807010.755	39109725.71	20290737.97	0	8547713.747	99618355.4

>FS-3_29128;>FS-14_21488;>FS-0_60077;>FS-0_60715	3638787.474	20971303.41	6832604.809	0	9183146.219	0
>FS-3_46185;>FS-6_6904;>FS-40_115930;>FS-6_20546;>FS-6_49343	1972293.915	11389930.66	2036239.469	0	3072479.642	568496.458
>FS-3_2971;>FS-14_15081	10192126.1	58883202.35	78005963.14	1045386.989	77206603.48	148018.218
>FS-3_31698;>FS-14_17167	4406428.145	25500270.73	18492308.59	8482800.573	97508246.83	0
>FS-11_12143;>FS-3_16406	4616987.878	26725704.04	6893376.647	39636246.3	1646908.869	0
>FS-3_3673;>FS-14_1313	7526247.688	43570854.44	86960528.81	3627842.494	132312162.3	9705100.38
>FS-3_2549;>FS-6_661;>FS-14_15112	36358447.43	210995419.2	231715913.6	11240261.66	162216050	47585345.3
>FS-3_32093;>FS-6_1263;>FS-0_49606;>FS-0_48146;>FS-0_8593	9469232.233	55036107.44	49278887.61	9465592.433	62667521.29	503039.449
>FS-3_2536;>FS-14_17499	4256309.337	24755995.31	15066777.38	4476045.056	46194499.14	6260738.95
>FS-3_3942;>FS-11_10404	7062653.463	41102171.35	115018389.1	125410104.5	75898139.43	0
>FS-3_29963;>FS-14_15049;>FS-6_41175	94769597.49	554563647.3	483613342	134339484.1	860315057.4	12841733.6
>FS-11_4840;>FS-11_11208	1422179.846	8324057.535	2409452.479	8324276.353	100369.8455	0
>FS-3_45929	3357971.94	19667974.68	2587898.721	65915263.72	6984980.535	350273.457
>FS-3_2652;>FS-6_32884;>FS-11_4344	5386752.989	31580564.84	3976323.381	235218.0806	10301472.33	135379265
>FS-40_86009	5393001.278	31656631.59	13551941.16	0	3938493.54	13291572.6
>FS-3_31756	11887800.26	69891299.8	34242117.46	681654.4505	35901255.19	4364902.03
>FS-3_43068;>FS-3_42589;>FS-3_47907	4179661.399	24589218.27	24700700.88	12615296.83	1226414.067	0
>FS-14_24848	5812583.499	34543574.9	4991273.271	0	570981.2466	1741114.35
>FS-3_3341	13943379.73	83155399.23	34935745.11	13671987.47	3218068.78	17598243.4
>FS-3_32616	12148485.85	72703670.72	79059709.88	14601514.79	80000011.87	5201655.37
>FS-14_16747;>FS-3_2798	5044775.724	30261648	3748235.224	12812231.38	12099463.84	15513324.1
>FS-0_28052;>FS-40_13805;>FS-40_6578;>FS-0_78811;>FS-6_15737	10357746.52	62353813.7	20226.41876	0	570163.8142	0
>FS-3_2408;>FS-14_2553;>FS-11_3915	1062359.461	6396452.205	4831323.464	1317816.847	306352.4407	0
>FS-3_452;>FS-14_586	8059112.295	48729256.38	21802565.29	440675.433	25081494.59	943200.305
>FS-3_32549	14158849.65	86057974.71	23257721.78	2503771.888	40697948.12	1183538.94
>FS-6_18426	1363358.014	8298678.744	175205932.9	0	13374774.84	0
>FS-3_3382	3537296.626	21614568.06	9631551.104	173052.0917	11527550.45	3644045.2
>FS-3_45964	12329208.84	75477528.6	12750640.73	2494333.921	22997386.56	8389917.88
>FS-3_33766;>FS-6_45801;>FS-40_27975;>FS-0_4391;>FS-40_15675	10279650.83	62945098.85	52144639.97	21442983.76	34894063.01	1257814.41
>FS-3_4483;>FS-14_15075;>FS-0_55374	3671275.597	22572065.35	29352405.9	3173446.286	2750428.406	0
>FS-3_31380	4585842.239	28225439.07	7881849.222	81565105.77	7261794.146	3024583.66
>FS-3_33577;>FS-14_1594	6709363.42	41702865.41	11697118.86	2747213.395	42491234.72	11311248.4

>FS-11_1442	1808374.046	11258102.35	2234133.681	42698095.11	157038.2712	1446882.47
>FS-0_75435;>FS-40_8923	11037981.06	68785258.73	76322641.63	13529.77754	21106456.31	4602294.11
>FS-3_2753	23946750.59	149449276.9	48104371.33	4506057.049	96773540.7	21267228.4
>FS-3_32609;>FS-14_619	8789345.456	54953652.61	38525861.26	2568421.826	74490257.06	3020809.04
>FS-3_32369	1993454.009	12483511.38	47782276.78	1123646.415	4392679.605	655705.483
>FS-6_52434	115510079.5	730741958.3	24065146.42	1739101.412	525399741.5	15838471.9
>FS-3_33309	13245320.32	84003258.08	74187817.63	3894980.679	23826632.7	21168797
>FS-3_28368	3606664.716	22917330.37	28615396.72	0	4823115.917	162492.958
>FS-3_55696;>FS-6_366;>FS-14_30840;>FS-14_2432	8812304.299	56069205.46	16385923.8	0	7445308.63	6179029.46
>FS-14_23114	49215333.6	318200337	211002132.2	3879015.786	67169554.08	5980681.41
>FS-6_35918	17590959.04	113896193.8	91280602.49	2420027.402	75489119.31	1890695.98
>FS-3_32966;>FS-14_15006	12900928.38	83845014.3	35945405.62	16892894.94	30591151.88	5935021.56
>FS-3_31699;>FS-14_15898;>FS-6_14912;>FS-0_7238;>FS-0_77133;>FS-0_4587	1733437.159	11274420.11	0	0	0	0
>FS-3_31215;>FS-14_16080;>FS-6_35212	9357546.482	60936298.98	16265197.03	1402473.822	37401865.87	37944263.7
>FS-14_18229;>FS-3_32069	7259056.706	47282010.86	123883674.8	3787124.232	28217328.19	2088986.27
>FS-3_2968;>FS-14_16868;>FS-6_19037	4440393.622	28951450.63	6201501.52	3813266.918	47859286.69	7557415.78
>FS-3_29405;>FS-14_25349	7890833.846	51512043.51	60258110	221880038.4	9993500.736	15528583.9
>FS-3_893	15496745.03	101802977.4	53565717.27	7175784.255	98192367.22	11937385.2
>FS-3_31650;>FS-14_15146;>FS-0_5509	980974.2915	6516096	19194972.39	0	7634994.978	0
>FS-3_222;>FS-6_26957	9844945.069	65506574.72	29175828.59	5372990.852	23205156.45	163898.218
>FS-3_28375;>FS-14_17685;>FS-40_131654;>FS-40_31376	16229058.97	108073363.6	37655472.05	7536287.243	125386373.7	0
>FS-11_6097;>FS-40_56211	727311.1344	4846368.899	13468256.26	11775249.68	0	5593146.96
>FS-3_12227;>FS-3_14448	4620222.71	31037289.56	28429906.43	0	6420665.776	0
>FS-3_32510;>FS-14_2278;>FS-40_14792;>FS-0_21429;>FS-0_48669;>FS-40_13556	9353270.271	63057777.53	54006629.74	1973290.246	137961727.6	789656.07
>FS-3_45521	12523379.9	84769832.44	424525015.2	55521.34772	14804892.56	0
>FS-3_2456;>FS-14_17817	4507294.5	30539122.13	34597042.67	1085664.212	25772928.6	934914.337
>FS-3_32220	65206942.45	442292394.5	372807055	16321531.38	227276969.4	5305674.29
>FS-3_4705	70051068.58	477469002.6	416560644.7	27838948.26	546425346.4	823404.615
>FS-3_1302	4709022.168	32113291.34	18031653.71	623977.5606	36577429.54	998536.863
>FS-40_76531;>FS-40_20974	302622.8541	2064582.799	0	19973724.56	0	5057499.95
>FS-11_155;>FS-0_65458	1533873.165	10547754.98	31526930.64	2141365.029	1541360.461	8871268.74
>FS-3_28370	15143645.11	104227053.7	51645425.46	7770976.118	69128449.98	5471134.87
>FS-11_160	1225467.077	8442826.971	2603127.312	21367829.95	16320.28532	4554336.26

>FS-0_65333;>FS-40_95264	2432605.505	17083490.72	3210489.208	34089283.35	603417.0508	0
>FS-40_58824	5867167.623	41694915.95	5799429.919	1132266.885	7740.218605	961853.879
>FS-3_2276;>FS-14_15031	11725818.26	83686559.24	43400677.49	13504972.52	23700927.85	8222307.61
>FS-6_1290;>FS-3_29659;>FS-14_23186;>FS-11_501;>FS-0_49202	10989909.63	78614865.14	95642207.05	19919831.99	15072979.04	0
>FS-3_32123;>FS-14_2567;>FS-40_93679	6972708.659	50026275.61	20576412.1	5505619.869	4675176.272	595131.038
>FS-3_35044	7599643.012	54649685.32	188219904	0	41289605.69	8674855.24
>FS-3_50370	823845.5316	5924617.509	11843811.05	0	9127262.267	0
>FS-3_28741;>FS-14_16190;>FS-6_37813	2601173.461	18789686.07	8924306.382	5428686.488	5269416.933	0
>FS-6_38496	14169107.65	102599994.4	93851905.63	388646.8035	61655069.49	103653086
>FS-11_468	2612036.923	18978598.66	11611489.95	11024955.02	12269623.44	0
>FS-3_30278	15960151.07	116033126	2986737.216	0	51267663.2	20123802
>FS-6_28299;>FS-14_16203;>FS-3_28345	3296332.419	24037416.92	10992845.81	6404939.516	33322365.58	6971203.48
>FS-11_8319;>FS-3_1299	3976933.973	29001360.31	1702271.609	48339589.74	7874075.424	224442.083
>FS-6_27158;>FS-3_30408	21391763.78	156257029.3	208277244.9	43322166.66	211918796.1	4936825.24
>FS-3_39828;>FS-3_43044	1984462.626	14589765.36	156878162.7	0	9244455.925	0
>FS-3_32375;>FS-14_18288;>FS-6_821	2827179.705	20828776.27	21479015.19	0	11260905.09	0
>FS-3_33730	19366654.73	142711264	101284786	81886169.94	158382375.1	9187072.27
>FS-3_663	7598963.649	56037385.3	4635097.235	10808211.39	11333209.52	4200658.75
>FS-3_32445;>FS-6_1132	7872630.598	58055903.53	39322509.16	1130956.533	56406967.09	0
>FS-3_2505	17823575.05	132764747	33086768.92	1931919.257	132359155.3	50265402.2
>FS-40_6244;>FS-40_9667;>FS-40_39887	8180115.631	61171083.13	0	3279225.34	40668.80465	3129726.86
>FS-3_56846;>FS-14_30907;>FS-14_2955;>FS-6_14238;>FS-40_26345	18334147.01	138859290.4	152908069.1	1425786.339	31791000.08	0
>FS-11_171;>FS-3_16840	980391.1076	7456274.973	757382.8694	51000940.23	127680.7282	0
>FS-3_32312	10891994.84	83356722.68	25750725.02	16239594.7	107509396.2	11740273.9
>FS-14_26296	1907797.167	14616719.46	13021019.92	361472.748	8571253.271	0
>FS-3_2637	3313516.466	25436615.12	4573697.676	1746654.302	2055182.659	9624391.11
>FS-3_4427;>FS-40_42093	9728896.387	74813739.9	26926940.11	30686368	10086261.25	15631723.2
>FS-3_3134;>FS-14_635;>FS-11_11361;>FS-11_3928	60251949.14	463994125.2	72849165.77	45930673.55	216322617.9	23165784.5
>FS-3_58072;>FS-40_19548;>FS-40_20552;>FS-40_70320;>FS-6_45800;>FS-40_1994;>FS-11_11632;>FS-40_72178;>FS-0_29891;>FS-11_11943;>FS-40_14605;>FS-40_83595;>FS-40_118569;>FS-14_30786;>FS-0_76716;>FS-0_38134	5809500.984	45098469.53	18576652.35	970524.0562	12970541.56	4282634.69
>FS-3_31859;>FS-14_1147	10395603.53	80880974.51	47817577.46	2826464.906	12903466.72	0

>FS-3_33667;>FS-14_1007	10801092.45	84053196.04	204074279.1	4972949.687	103104208.2	12836726.1
>FS-3_33443	3265061.734	25416288.19	15870558.88	1446038.469	48554002.37	1845598.15
>FS-3_33703;>FS-6_28763;>FS-14_15206;>FS-14_15207	6211342.285	48425613.73	23810794.9	0	18049404.38	42342101.5
>FS-3_32397;>FS-14_16134;>FS-6_26688	11263577.76	87926189.71	39637827.05	4736791.4	60344923.15	7016668.41
>FS-6_11183;>FS-3_13596	2195844.269	17209659.54	33005907.78	161903.8334	21992304.68	3812034.36
>FS-3_32871	8429083.044	66164755.45	21846900.74	2086423.41	97599883.29	0
>FS-40_61783;>FS-0_59455	49912830.05	392622216.3	14092461.11	11656331.07	6772781.764	56211801.7
>FS-3_32624	2039843.498	16055347.5	3531168.131	75385.80996	2207640.549	7961473.71
>FS-3_30879;>FS-14_427;>FS-6_27015;>FS-40_110287;>FS-40_92074;>FS-6_46786;>FS-6_46926;>FS-0_53195;>FS-0_42410;>FS-0_70248	1589990.73	12537516.46	398324.5051	0	5632170.872	0
>FS-3_45660;>FS-0_55737;>FS-6_26886;>FS-3_13740	3268082.907	25791790.76	10601610.43	0	18589201.39	492483.207
>FS-3_31695;>FS-6_1217;>FS-14_1607	2131147.746	16884216.88	11888816.3	5122.974324	4189295.523	667257.417
>FS-3_5939	934380.1519	7409018.094	20366399.95	0	4951492.931	1293480.9
>FS-3_601;>FS-14_7541;>FS-0_40128	7838776.439	62213924.17	15658328.42	637131.2335	19091188.81	3171801.93
>FS-3_30159	6716592.821	53382912.08	56433130.34	3848708.172	8913313.391	489964.563
>FS-3_30268;>FS-6_47769;>FS-40_84042	928639.3427	7403443.02	18028655.71	0	4239957.149	2097875.82
>FS-3_21345;>FS-3_50228	9230580.296	73613719.28	77717172.86	0	57054924.75	7186703.38
>FS-3_57754;>FS-40_62471;>FS-6_47452;>FS-40_109897;>FS-11_11049;>FS-14_2926	2906816.285	23404368.3	6815778.017	1292856.925	12784217.69	0
>FS-3_821	299888.9962	2415248.311	9092136.734	0	5213372.843	3437060.87
>FS-3_3677;>FS-14_15311	19598016.16	159011501.4	14725861.43	15402235.3	55870689.37	6745426.16
>FS-3_32833	49237020.02	401184020	66682541.21	664553915.6	116945968.6	33560255.9
>FS-3_31952;>FS-14_1149;>FS-6_26308	4994213.306	40918427.82	67479569.86	0	18174566.12	1072399.55
>FS-3_47982;>FS-11_9747;>FS-3_2546	3315393.992	27190707.89	576093.5679	20144056.36	9236293.036	1378491.45
>FS-14_15060;>FS-3_32293	9914473.163	82448478.63	62384891.59	6146023.402	98448401.97	18346704.5
>FS-3_32571;>FS-14_1151	23577576.36	196375471.5	70608946.75	11710142.51	199639252.7	2810250.1
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>FS-11_279;>FS-40_20580	9442133.592	79369198.3	34980070.76	87231834.63	19563169.01	1068853.35
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>FS-3_17731	1197673.232	10112984.09	37404054.6	0	18039692.72	1749560.18
>FS-14_7451;>FS-40_26299;>FS-6_10052	1482264.26	12603273.17	7002499.88	73129.76247	13895381.11	9114512.52
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>FS-3_3062	52012540.12	446704969.5	403442950	17968203.71	135697024.8	8619138.63
>FS-6_35738;>FS-6_9704	1872977.009	16092061.19	19499224.78	0	7468324.729	0

>FS-3_3594;>FS-6_27757	955121.8563	8208994.953	6443956.129	1019563.462	3707690.39	0
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>FS-6_9667;>FS-6_7696	190873946.8	1642058997	1459219799	1816580.491	1007438776	599562928
>FS-3_2646	10289521.16	88526199.55	45690725.37	3425347.357	56079414.82	10964902.4
>FS-3_33715	3808479.307	33008006.53	4228615.62	10081404.54	32627479.37	6385155.58
>FS-3_2704;>FS-0_1311	7896078.442	68915945.74	31492779.99	5130167.742	101702372	3926802.75
>FS-3_29662;>FS-11_1314;>FS-14_19463	4388727.17	38367845.11	44986078.86	59584685.37	3536394.236	7990891.88
>FS-11_8937;>FS-3_33492;>FS-40_118190;>FS-3_50570	2593843.823	22679675.72	5339305.644	12339792.83	8278554.573	0
>FS-3_32157;>FS-14_17392;>FS-40_34830	2111943.291	18471156.4	5301050.781	0	1075263.193	768898.173
>FS-6_13934	4047373.535	35482941.65	150420893.1	0	7454965.16	530717.358
>FS-14_2451;>FS-3_32707;>FS-3_31608	83599082.11	734458162.4	574730791.6	33725660.22	186911378.7	152722424
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>FS-3_31039;>FS-14_16183;>FS-0_41983	25454781.93	224416565.1	167654011.7	22675772.21	295547465.7	1885954.78
>FS-3_32024	10351603.23	91723631.99	9619951.983	2806933.875	11140121.76	22609680.8
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>FS-3_32918	59769289.15	531286139.6	242117145.4	2127143.365	421009573.2	7100753.04
>FS-14_18087;>FS-3_32575	1640662.12	14613684.51	3965910.793	0	11290.53662	0
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>FS-14_697;>FS-3_3378	7621377.082	68267941.04	51299725.6	19774920.82	112512781	40300146.2
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>FS-14_15460;>FS-0_2207;>FS-3_3016	7081218.104	64174500.66	9362661.001	2980948.537	75792777.82	3884994.5
>FS-14_27861	11945880.61	108566043.4	392102010.9	0	3316590.232	3053826.53
>FS-3_31341;>FS-6_27225;>FS-0_80859;>FS-0_48098	20353709.71	185218058	60501780.97	0	1215111.056	0
>FS-3_10694;>FS-0_4393	2126440.719	19403369.87	2730560.25	0	3158195.547	1317127.78
>FS-3_45837	1909020.183	17454817.97	0	0	24405736.53	17308296.3
>FS-40_113715	52137697.32	477034770.4	437568411.6	2437780.408	656724174.7	240188813
>FS-3_32437	9714213.492	89538005.08	34452045.74	2154491.292	50467564.25	5992492.21
>FS-3_60219;>FS-3_58949	14687999.55	135740484.8	9654106.165	0	51833943.8	0
>FS-6_15979	3330039.834	30848781.75	51488541.81	0	22710199.5	0
>FS-3_20430	45990930.9	426806140.5	360935715.6	1930679.281	289326907.9	192898599
>FS-3_33719	23843560.58	222056609	53578276.52	32803804.4	175067566.4	4789019.87
>FS-3_10210;>FS-3_48832	3802010.353	35538431.93	21441820.48	0	173381.4858	0

>FS-3_4280;>FS-14_18495	92188656.77	861895546.3	556113919.4	20616380.94	276697529.4	20574709.9
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>FS-11_729	2247082.072	21209232.76	0	31408877.13	0	553080.247
>FS-3_664;>FS-14_1178	25930550.89	245535632.3	154065089.7	25519590.59	412061553.5	3597944.49
>FS-3_79;>FS-14_15499	51958500.38	493489471.4	111602333.8	73692011.69	238719768.1	243665676
>FS-3_33084;>FS-14_527;>FS-0_30150;>FS-6_12198;>FS-40_9492;>FS-6_19257	855986.0233	8154642.534	613293.2267	0	4984067.32	0
>FS-3_32669;>FS-14_561;>FS-0_819;>FS-6_9816	2829895.523	26966537.81	40982654.32	0	35325701.69	683548.264
>FS-6_9453;>FS-3_758	2949095.778	28129929.06	16168852.03	0	17160922.15	0
>FS-40_106421;>FS-40_7341;>FS-6_30363	1574328.958	15023653.33	27747590.49	0	759027.1256	1125349.07
>FS-11_8467;>FS-3_28270;>FS-6_34711;>FS-3_13628;>FS-6_21564	1125510.738	10745226.77	3959157.157	8991215.96	4917398.918	0
>FS-14_2729;>FS-3_4320	18884821.92	180511476.9	17193921.54	1332342.389	47567898.14	4505995.22
>FS-3_1423	1652612.316	15996306.14	1913032.356	8223167.687	1675771.457	874756.313
>FS-3_2685;>FS-14_15025;>FS-6_6921;>FS-0_2890	5102706.294	49497880.04	16087706.29	434159.7471	26899610.18	4521797.49
>FS-3_32224;>FS-14_15285	5904791.918	57650553.06	8509816.499	1613056.414	17681816.53	6020116.75
>FS-3_33820;>FS-14_15550;>FS-11_10173;>FS-40_61952;>FS-0_1040;>FS-6_43089	1886802.33	18423192.04	4486450.143	394426.7649	0	0
>FS-6_8671	4604166.537	45157279.76	5192395.365	0	6733635.96	0
>FS-3_29327	2170845.718	21329145.7	15784124.64	0	4504240.181	157453.283
>FS-3_56593;>FS-0_45741	2020746.136	19880731.94	9468004.337	367284.1378	67523280.16	832366.69
>FS-14_19871;>FS-3_34319	26292116.36	259346607.6	442352803.1	91728.48935	42304523.52	465595.168
>FS-3_4230	5182079.335	51359130.34	9212679.122	15437103.31	2580926.911	4101552.39
>FS-3_2385;>FS-14_18245	3374004.045	33463039.97	4307304.366	3181315.803	5958934.361	39562242.4
>FS-14_15424;>FS-3_58127;>FS-6_5569;>FS-40_13426;>FS-0_39353;>FS-6_43430;>FS-6_44445	5007415.629	49663095.56	7219946.592	7252247.876	25065985.99	1842140.57
>FS-3_31888;>FS-14_15592;>FS-6_40374	3136630.383	31329914.2	37383862.94	801135.6488	9439936.745	1803297.69
>FS-3_41672;>FS-3_49073;>FS-0_81962	14404840.48	145207907.8	86077831.39	401975.5405	12579657.27	6458534.78
>FS-3_4279;>FS-6_103	69636786.12	706728336.1	410612547.9	87512706.23	189338560	31047295.6
>FS-3_3336	1704956.695	17330418.33	9399318.212	199277.0933	10158433.94	1471956.01
>FS-40_18566;>FS-0_65866	41835719.19	427739941.3	75361164.4	640459346.1	174814916.8	10329730.4
>FS-3_32443	2438571.411	24936425.98	9832570.053	1348286.485	3333694.012	3136939.82
>FS-3_28552	1320796.183	13532183.56	0	0	534069.7692	6081552.22
>FS-3_45642	3294963.39	33783633.71	3949100.33	0	3087180.973	0
>FS-3_2663;>FS-14_15668	7799906.457	79982294.02	7770462.59	2428264.689	87911901.28	225947.661
>FS-3_3679;>FS-14_1169	2220659.488	22823540.32	15438236.53	29695.67471	20209156.22	0

>FS-3_15698;>FS-3_13183	114718924.3	1179068324	536534382	996213228	773275514.6	341565626
>FS-3_4281	26931090.36	277369044.3	152312976.5	5360081.455	111742590.7	3830188.51
>FS-3_31520;>FS-6_27883;>FS-0_42754;>FS-0_54301;>FS-0_15705	14906774.97	153920427.9	145758591.8	4789158.762	346685975.6	3669011.74
>FS-3_56225	16048676.44	165788556.9	113416970.4	21811041.61	25396449.55	1318732.77
>FS-3_87;>FS-6_16087;>FS-6_20515	4738988.398	49321196.13	22559668.88	11469442.54	97484413.3	0
>FS-3_3713	15452103.39	161133096.8	51533484.05	7889288.125	83662029.08	3905368.7
>FS-3_198;>FS-14_17902	4970595.552	51955228.23	5712307.347	1762232.053	72383230.9	34917804.9
>FS-3_32607;>FS-14_14964	4309897.24	45083102.79	24072024.35	1988525.23	17109960.28	5595715.48
>FS-3_3468	3792199.017	39698800.32	5253738.578	4942882.628	12545878.46	3645471.86
>FS-3_28646;>FS-6_56297;>FS-0_1375;>FS-6_18990;>FS-14_26842;>FS-14_32466;>FS-14_20597	199067.3254	2096222.54	20255418.75	77268.92983	9673938.184	75780.5895
>FS-3_29479	8484632.851	89726530.56	17778349.67	0	61473405.31	0
>FS-40_114158	7505676.777	79422933.86	367620563.7	953370.7923	18468825.26	64215411.9
>FS-3_36700	2546464.301	27167163.83	59305461.29	0	5258407.83	387732.863
>FS-3_31468;>FS-14_15234	30803242.03	328871552.1	239787911.5	29448656.83	238591122.9	11861534.7
>FS-3_33708;>FS-14_17102	5602871.621	59953152.14	22242290.97	10510057.55	44534631.44	82254.0573
>FS-11_9605	571344.8271	6118297.397	4552069.555	110456197.2	3911982.115	1757644.59
>FS-40_86865;>FS-40_98198	2618607.254	28082627.06	2049136.659	138489.5009	1045939.168	117733926
>FS-3_2599;>FS-14_10268;>FS-14_12277;>FS-40_92964	1067462.47	11466786.72	0	0	0	0
>FS-40_27598	3585257.479	38765861.09	124678514.2	0	20202953.81	68985615.8
>FS-3_29868	22810820.66	248919814	146385940.9	11641200.82	188576010.3	21307071.6
>FS-11_8285	2036222.54	22314722.66	16953852.45	272706031.2	12449849.47	2369468
>FS-3_4211;>FS-6_40000	5989150.78	65639945.91	49685523.92	13243714.45	18934191.88	0
>FS-3_32581;>FS-6_1059;>FS-14_5974	2622282.953	28740677.18	5353350.747	1118753.176	5600177.022	2144126.66
>FS-6_33688	3447904.935	37827150.18	16294340.17	2670930.438	56369534.45	0
>FS-3_34008;>FS-14_15201	2459462.264	27040689.15	33374686.18	33098865.65	12183484.42	318725.559
>FS-3_40079	4190366.627	46258366.29	0	3608733.358	8577497.427	3458090.74
>FS-3_150	6854726.283	75866650.73	13931391.16	39445485.43	8817076.234	6393976.87
>FS-3_2270;>FS-14_315	5985721.848	66347747.38	923332.6363	25652150.63	42697733.77	1048594.78
>FS-3_29359	6612222.328	74128598.52	46191326.39	2562144.624	12748512.25	9050911.04
>FS-3_29732;>FS-6_27234	2816373.135	31605024.44	7091217.922	63475.31113	4506271.872	0
>FS-6_27364	1693257.525	19006308.05	18225047.58	6013750.97	3865089.49	737934.263
>FS-3_31370	5429475.332	61133439.57	17933177.1	2282323.498	112356754.5	0
>FS-3_28559;>FS-0_41896	3987245.724	44936565.16	2821754.402	0	4404763.639	0

>FS-3_852	46320089.02	531743371.2	80763048.88	4916282.501	101424759.6	4146952.54
>FS-3_716	1422156.103	16367692.08	13876057.96	2118566.538	14807928.1	0
>FS-3_3385	5631907.884	65081149.39	14474426.91	9368798.88	54214071.87	0
>FS-14_17749;>FS-3_4019	16281122.45	188729472.4	228620836.3	38843855.42	196768393.2	6396433.81
>FS-3_3368;>FS-14_395;>FS-6_18427	90317846.46	1064467943	770240378.2	839167961	895617425.8	21823849.2
>FS-3_32545	22095892.36	261303314.1	101495396.8	36074928.97	208655840.3	2541462.04
>FS-3_31705;>FS-14_16235	7515454.257	89007172.94	99467024.82	1707980.062	359223131.5	3130569.77
>FS-3_19972	1226544.85	14535253.74	6377225.91	53915051.74	12537730.4	0
>FS-3_31704	7098262.598	84481389.2	95372301.35	5909464.401	325597577.8	12892851.1
>FS-3_33666	2131389.844	25384135.17	8841002.195	1205575.98	14545574.06	10670116.3
>FS-0_1692;>FS-3_55719;>FS-11_4899;>FS-40_62087;>FS-40_70410;>FS-14_413;>FS-6_37551;>FS-11_4900;>FS-11_3687;>FS-14_32686;>FS-40_29142;>FS-14_2231;>FS-14_22982	5469416.742	65228763.2	30701484.8	2133005.976	57573037	13712961.6
>FS-3_12786	2946093.49	35436032.48	199169484.2	0	6118139.413	0
>FS-3_2756;>FS-14_17124;>FS-0_58468;>FS-0_48598;>FS-0_52487	388309.3151	4672047.639	24484787.08	0	18965766.32	5287931.1
>FS-3_32251;>FS-14_1110;>FS-40_28311	6253366.507	75332996.04	12616050.08	4153255.293	38222140.05	375354.132
>FS-3_31466	21356679.08	257786120.5	148774420.4	18363858.96	254351276	34659640.7
>FS-3_33885	19572256.56	237302440.2	145939622.6	10292041.64	374028173.6	9876395.25
>FS-3_30397	8617193.021	104627215	47484621.69	1858773.628	33682327.5	7507051.43
>FS-3_51759;>FS-3_52563	54054024.52	659010960.9	33087550.18	4311226.168	292283977.7	22189278.6
>FS-3_28899;>FS-14_318;>FS-6_5966;>FS-0_3244	4606417.831	56487416.01	19699287.05	273839.1284	36550415.62	1513389.95
>FS-3_32444;>FS-14_16827	7720452.397	94778907.55	53418935.37	8765362.158	34457849.47	9147870.74
>FS-3_19088;>FS-6_20126	2202135.406	27037491.66	1424786.177	144637.7345	14874320.66	2163957.23
>FS-3_32829;>FS-14_14956;>FS-40_48867	12268047.02	151275295.7	57047231.69	12978701.85	84524074.7	21550298.5
>FS-3_31580;>FS-14_815;>FS-6_26501	1638806.552	20367263.11	30239105.83	993771.7238	12278962.45	0
>FS-3_55839;>FS-3_561	55685922.06	692846307.4	790076214.7	8984666.826	97330223.32	4475404.46
>FS-3_32931	3077547.048	38655555.16	129855959.5	27780717.61	2402989.432	6995138.46
>FS-3_4071	4296510.263	54189541.3	7304627.384	10061997.3	63904845.97	0
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>FS-3_28288;>FS-6_1574;>FS-0_39350	3349062.391	42929936.74	28508841.7	636475.6665	14132694.31	2641132.11
>FS-3_31289;>FS-6_27474;>FS-14_15986	3533287.862	45526443.65	10135812.66	533648.0276	17706772.19	0
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>FS-3_33922;>FS-14_2134	1157080.838	15100573.6	10569292.02	399107.6409	10641264.32	0
>FS-3_32208;>FS-14_18315	2111033.616	28037204.62	5796284.59	108700323.8	32358324.5	0
>FS-14_15727;>FS-3_57460;>FS-6_33178;>FS-40_18997;>FS-40_45196;>FS-0_67429	813509.9849	10859293.55	9591865.452	23835767.59	262197.016	634756.507
>FS-6_35035	274877.6688	3671766.03	10997843.81	22090853.38	1119849.216	0
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>FS-3_28707;>FS-3_11795;>FS-40_10026	1556617.686	21129405.19	5029853.121	0	6636192.602	0
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>FS-3_4307;>FS-14_16888	169991421.4	2339689462	110788786.1	155442777.7	720343335.2	125878357
>FS-3_4587;>FS-14_731;>FS-0_15122;>FS-0_15242	10637338.1	147318504.3	201224845	25265816.87	60069759.3	5051120.57
>FS-14_15177;>FS-3_3218;>FS-6_46975;>FS-0_24883;>FS-11_11670;>FS-14_27236;>FS-0_7331	6759034.526	94417079.85	12244634.03	0	102348179.8	100536.91
>FS-11_1140;>FS-0_70299;>FS-40_38038	1150326.87	16275472.83	2535016.517	9224300.456	5100637.889	0
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>FS-14_17765;>FS-3_28369;>FS-0_58572	511473.6053	7322948.999	6109395.134	1734229.965	2517958.565	0
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>FS-3_32292	5150276.955	74793653.46	62000867.31	3916131.044	56003025.89	6964394.51
>FS-3_20371	5470640.383	79769054.61	118753875	7926016.953	21091768.74	1250815.73
>FS-3_37884	2217816.162	32508655.3	40206912.28	36757470.98	2200603.254	4681173.91
>FS-3_31690	4234471.211	62521523.94	10960127.67	0	24447960.73	0
>FS-0_11689	15211963.34	225267560.9	448348087.2	2279292.551	54953830.62	0
>FS-3_1266;>FS-14_16210;>FS-6_122;>FS-0_15806	5423621.297	80748324.95	8523600.408	422234.5461	8201943.146	312581.111
>FS-3_1832	3104791.96	46457678.97	976443.5904	0	4501906.397	2993051.58
>FS-3_3544	10898183.13	163080732.5	18264458.87	3342914.322	91755334.9	6537967.11
>FS-3_29568;>FS-6_8090	3632763.89	54367894.54	28819072.05	5642522.605	18010731.95	3637279.41
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>FS-3_33720	3792686.335	58622813.19	18223644.04	0	31125285.96	0
>FS-3_31791	6694557.738	103529524.7	3742656.439	4322240.377	8278543.579	4451280.32
>FS-3_28354	10963797.92	171048127.7	66004754.21	9432694.811	113826048.5	5376842.13

>FS-0_29687;>FS-3_40312	8672914.033	136940308.9	549342092	0	14507495.82	22158449.8
>FS-3_31739;>FS-14_14990;>FS-6_44374;>FS-0_1361;>FS-11_11485;>FS-0_2194	820253.3167	12958191.69	3655694.364	11442938.56	5016539.214	21350710.4
>FS-3_32820;>FS-14_17806	5517390.872	87512660.44	20395892.25	5392310.885	32097157	10817309.2
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>FS-3_14527;>FS-3_21853	3531451.681	56503592.52	162972143.6	0	7256170.704	3375357.64
>FS-3_3199;>FS-6_36197	2787260.524	45122312.71	10846259.78	921911.6002	20768582.54	1270065.45
>FS-11_13005	1328390.016	21546808.92	3291624.453	43411347.51	363485.3125	0
>FS-14_19712	1386762.705	23003032.42	78890113.35	29516.8922	361971.1018	0
>FS-3_31687;>FS-0_65413;>FS-14_25492;>FS-6_17949;>FS-6_16387	2136386.049	35568328.83	60217404.69	193271.1953	8890930.866	3301785.02
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>FS-3_31216;>FS-40_149;>FS-14_975;>FS-11_14911;>FS-0_76880;>FS-0_39664	1403122.816	23457897.84	3435510.333	0	1010596.727	0
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>FS-3_2277;>FS-14_1888;>FS-14_2311	853104.1739	14522981.3	11514549.42	564318.2337	28591815.24	34964547.7
>FS-3_32978;>FS-14_2443	3996224.952	68102780.87	17233765.22	10985469.98	29431980.43	9986355.99
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>FS-3_33569	1631752.79	28935566.71	54583625.42	2084174.751	16599120.15	1723842.93
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>FS-6_26923	2876923.165	52960004.85	5904040.828	4460278.902	18033705.56	308999.576
>FS-3_3259;>FS-6_174	1754270.279	32338417.21	7409621.524	9720689.532	7479542.628	1335026.52
>FS-3_28301;>FS-14_15572;>FS-6_26626	672826.9359	12594327.44	0	0	2093206.66	8610068.88
>FS-11_880	970697.3754	18226273.87	8994729.601	191701497.3	19053446.63	34102982.7
>FS-3_3634	775884.2812	14583817.47	17118494.88	623659.1476	27654315.72	0
>FS-14_18033;>FS-3_2432	2990206.164	56395506.52	36026620.78	375314.8694	12948039.03	10844890.2
>FS-3_28529;>FS-14_15858;>FS-6_26833;>FS-0_2791;>FS-	436057.2022	8362646.689	1051180.311	0	25952634.49	733695.348

0_2883;>FS-14_7894;>FS-40_63933;>FS-40_40278						
>FS-14_15691;>FS-3_31561;>FS-6_1478	20753559.51	398644731.9	464411301.4	2218999.808	20261133.84	3866096
>FS-3_28303	6028154.015	118021050.5	59818827.06	1539699.709	36108488.61	28525028.9
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>FS-3_57582	3174818.461	63479978.62	94341435.24	1177203.802	2783397.719	7115821.25
>FS-3_31738;>FS-6_27366;>FS-14_16745	5023422.151	100521477.2	6064497.665	18203196.69	70850911.5	25278484.3
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>FS-14_19812;>FS-14_19304	10997296.69	222063055.7	419205320	5032329.972	75169812.53	0
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>FS-3_30553	30679415.57	623732202.7	643586853	14785631.69	412728887.7	9543379.29
>FS-3_2214;>FS-14_440	2664744.031	55165854.71	15260643.86	2291624	15267000.17	0
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>FS-40_71297;>FS-3_15006	156900.9924	3285786.285	17264605.87	0	0	0
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>FS-3_2290;>FS-6_383	2764240.75	58155575.44	22927519.12	235885.5568	0	902580.172
>FS-3_16589;>FS-11_13603;>FS-11_4339	3362302.279	71219094.77	19920599.2	116546034.7	26384624.95	1265521.02
>FS-3_56141;>FS-14_1559;>FS-0_55050;>FS-40_98669	3169908.633	67708970.55	143449110.8	8697950.73	19498130.29	0
>FS-3_3165	2312769.091	49822647.04	26236462.41	135723.7675	75494292.05	3822020.98
>FS-3_2600	6745829.095	149447392.4	37528800.14	2050281.914	77516326.72	967762.628
>FS-3_3784	53250029.97	1198871065	870968599.7	35189158.51	453566720.8	18172537.1
>FS-3_81;>FS-14_16393	3384874.896	76228662.56	99273643.35	3785507.41	270227651.9	10608526.8
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>FS-3_31320	2958768.44	67440341.47	15125176.14	113193133.5	16514717.41	2887913.94
>FS-6_3749	4196894.759	95958924.11	255257933.7	0	1203165.998	70638141.4
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>FS-0_45396;>FS-6_35496	1896281.55	43969225.85	20350639.91	3379607.303	3036204.597	0
>FS-3_2517;>FS-6_32137;>FS-40_87863;>FS-14_31143	1118172.715	26551743.74	42128444.5	6747204.878	6280054.427	17624571
>FS-3_33221;>FS-14_15663	8067276.619	191899169.4	59496986.95	35050828.88	112401940.5	19595848.8
>FS-3_31697;>FS-14_17168;>FS-6_206;>FS-0_4917	2291722.365	55632283.11	40258909.64	4377043.539	88649713.92	513064.609
>FS-3_32243;>FS-14_607	6201891.394	150954524.7	42626601.33	17277075.28	75149814.83	19438228.3
>FS-3_28735;>FS-0_16856;>FS-14_23980;>FS-0_52549	766271.903	18892338.25	8905239.859	9605400.096	1235446.692	3632275.25
>FS-3_670	569970.4155	14205703.45	0	0	848636.6672	0

>FS-3_32137	31363385.83	784516192.8	749062601.1	87636091.85	515657387.1	49900433.3
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>FS-40_101470;>FS-3_34115	311242.728	7833024.858	139993133.7	0	172134.2627	0
>FS-3_2755	1774573.223	44882217.79	8753343.741	257040.9516	72336790.07	926513.401
>FS-3_2881;>FS-14_16145;>FS-6_44900;>FS-6_40065	7034176.835	178490482.9	42450176.96	39847387.93	130650330.2	15827982.1
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>FS-3_248	929367.95	23745096.09	277870960.8	0	1105963.086	841522.884
>FS-3_28263;>FS-11_18358;>FS-11_3900	724317.2563	18618501.17	66247366.13	68807303.28	13570844.71	2527577.09
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>FS-14_15785;>FS-3_1587;>FS-0_49295;>FS-6_19107;>FS-14_23507;>FS-40_46364;>FS-40_21085;>FS-40_27137;>FS-0_71126;>FS-14_23553;>FS-6_41276	1141694.337	29415611.55	127194.3563	0	24299710.02	0
>FS-3_32138	16942911.35	438967772.8	322271710.6	77892547.6	192270549.8	25264106.9
>FS-3_28420;>FS-14_313	1254569.073	32539165.38	5316067.193	502939.0232	2851032.179	0
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>FS-6_44513;>FS-3_227;>FS-14_14951	1317706.395	34948736.46	2892685.027	0	5381167.908	1624700.49
>FS-14_1148;>FS-6_26310	9374860.925	255512206.4	197002651	7697749.132	330004237.5	4818918.5
>FS-0_39670;>FS-3_1844;>FS-14_17730	197955.9025	5420781.898	3637744.669	1022298.514	11679383.12	11489035.7
>FS-3_44473;>FS-40_133495;>FS-40_43313	602393.4552	16496340.4	970243.2091	104381186.7	13264433.75	66747321.1
>FS-3_12417	142910.6625	3928899.811	10398068.43	0	132259.5507	0
>FS-3_30022;>FS-14_707;>FS-3_191;>FS-40_68429;>FS-40_71473;>FS-6_40770;>FS-6_14033;>FS-40_84839	882403.1993	24460633.59	54289965.82	0	27107650.67	0
>FS-3_32096;>FS-14_923;>FS-0_53254;>FS-6_28537	720152.6332	20081844.59	9811056.892	2725253.727	1320078.256	448429.533
>FS-0_18824	4751298.356	133351582.1	24546864.2	348955573.3	26209678.86	2094529.79
>FS-3_33513;>FS-14_15605	3641755.788	102546720.9	68366718.8	995201.2952	136669165.4	0
>FS-3_28530;>FS-14_16550	713263.7536	20406817.11	8014186.494	0	27589256.06	0
>FS-3_31651;>FS-14_16495	578800.0537	16670784.51	76084519.28	513498.0951	82559514.53	14932905.1
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>FS-3_30396	3510315.899	103449962.8	42026061.82	5651988.447	23331696.97	7520993.74
>FS-3_28340;>FS-14_1838;>FS-6_33324;>FS-0_49602	332699.6861	9886297.201	1909573.246	0	8173748.037	0
>FS-3_351;>FS-0_44360	9313439.356	278409599.2	96070036.44	4276773.486	60380334.6	5701109.96
>FS-3_228;>FS-6_31895;>FS-14_21285;>FS-6_37783	881576.697	26407531.24	14636314.04	691837.703	18275843.71	0
>FS-3_1042	233758.6207	7054235.084	75032481.86	137097.7187	47396481.55	13284772
>FS-3_31177;>FS-14_18125	492170.5284	14857665.77	11236122.47	1198573.158	26091349.76	0
>FS-3_31648	883870.8926	26702582.89	118136163.6	0	65280154.14	3124653.64

>FS-3_28504;>FS-14_15137	3975918.999	120204608.7	41766593.11	8729300.422	36028785.21	13861639.7
>FS-3_2688;>FS-14_1139	1239349.605	37862818.06	10499693.71	5971894.944	32687813.91	8485685.04
>FS-3_3783	27708608.99	848420717.2	449902485	41175846.15	131363029.1	17960577.2
>FS-3_2836	1279436.231	39429670.97	23280816.11	4147239.246	18238654.77	1817492.95
>FS-3_32219	956294.6522	29515316.61	2997978.536	42565.66763	1712253.153	316572.191
>FS-3_18820	1612744.397	50191596.09	29078186.77	9009.278658	4599396.837	8374081.51
>FS-14_15604;>FS-11_10837;>FS-6_14838;>FS-3_57058;>FS-6_36989	740144.5095	23125382.96	14806378.1	3050370.435	3341242.409	1723965.66
>FS-3_39998	788946.6458	25181131.88	21273996.48	0	48596892.62	0
>FS-3_46423;>FS-0_58293	308154.0415	9996343.339	28686765.89	0	7325963.983	0
>FS-3_33895;>FS-14_15073	2155204.335	70886864.14	19287859.46	3815974.407	36294716.32	46564906.7
>FS-3_2884;>FS-14_1077;>FS-14_1658;>FS-6_21737;>FS-0_57111	1162689.282	38286137.98	25315456.31	0	47736733.53	6216306.68
>FS-3_55692;>FS-14_15733	827826.8758	27394325.48	0	2547935.917	16473681.45	2979852.62
>FS-3_585;>FS-3_32819;>FS-14_2436;>FS-6_27805;>FS-0_19223;>FS-6_35969;>FS-0_22056;>FS-0_43253	606436.4013	20359624.9	22990458.15	0	1178080.797	0
>FS-3_31066;>FS-14_571;>FS-40_338;>FS-40_92213;>FS-40_86342;>FS-6_38875;>FS-6_48677	1635246.888	56586431.44	6545030.159	0	30690405.1	0
>FS-3_3951	6944293.339	241905513.1	83712665.46	2258780.889	112062144	1012688.78
>FS-3_28359;>FS-14_16490;>FS-40_93151	374380.0621	13303185.79	3147427.558	0	17887218.58	0
>FS-3_31474;>FS-14_2470;>FS-6_1894	12352275.12	443209601.1	142767364.1	119298493	253467465.5	35223479.6
>FS-3_57549	1187699.431	43110481.82	27725628.87	724300.6636	37048300.76	2981838.64
>FS-3_34009	764522.3444	28115768.78	24775492.2	1912566.625	21225107.32	1334283.36
>FS-40_5744	395201.1901	14642200.93	4912058.973	0	0	353590237
>FS-6_48251	752773.6529	27964246.92	258008816.1	155578.2903	25935485.59	0
>FS-3_29076;>FS-11_5715;>FS-14_26598;>FS-11_5904;>FS-11_5382	344598.3761	12980984.7	29829559.08	7076146.598	9514297.974	0
>FS-3_28520;>FS-11_12384;>FS-6_36284;>FS-0_48403;>FS-0_53788;>FS-0_12392	424390.0541	16205148.51	21788.65236	0	4813054.061	0
>FS-3_28507	1313192.691	51558057.86	18360701.97	0	22991001.4	769786.188
>FS-3_57761;>FS-14_17486;>FS-0_9127;>FS-0_47622	1067740.545	42411704.29	36191747.95	4432995.495	7871016.994	0
>FS-3_33723;>FS-14_15958	1310147.459	53065970.77	19967039.41	1056522.2	18816394.03	0
>FS-40_80894	1778015.903	74883694.7	73333474.72	1529781.248	10745036.3	106987312
>FS-3_31045;>FS-14_15102	398681.9274	17267115.93	4025700.004	0	3959880.955	1182614.27
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>FS-3_2689;>FS-14_18577;>FS-0_2227	1945677.507	90350319.87	28688791.14	723122.6508	88932622.92	275059.964

>FS-3_30304	805237.2377	38136977.77	30601801.48	133416.0307	125753968.4	20136929.6
>FS-3_4507;>FS-14_16931;>FS-6_26960	3110291.336	147899945.6	19920011.09	4428478.195	86380078.79	3654161.77
>FS-3_2371	1507005.301	72371082.71	18374801.54	1938623.86	18357901.69	6145248.51
>FS-3_283;>FS-14_2095	103796.329	4985202.61	929116.4239	166075.5717	7058275.769	0
>FS-3_28505;>FS-14_15832	2715052.381	134329838.8	19469541.4	4156526.098	89598571.36	9113570.44
>FS-3_2361;>FS-14_17661	682142.4664	34357557.19	7585022.155	79512.93548	5113969.235	212821.941
>FS-3_4536;>FS-0_1232;>FS-14_17778	494209.749	25069698.7	15096955.1	0	8085461.625	3574726.46
>FS-3_39207;>FS-40_46565	82562.94438	4200346.14	0	9923566.331	1142483.963	0
>FS-3_15977	3335399.296	171326954.4	508108298	711589.4305	41912436.81	33691345.1
>FS-3_562;>FS-6_32674;>FS-40_52436	784686.6954	40381624.46	5745909.073	21326946	67854369.99	0
>FS-3_33550;>FS-6_28346;>FS-14_7597	917973.6952	48680952.56	15098330.87	3056792.772	54505640.38	5260631.33
>FS-3_678;>FS-14_476	5148837.928	276136989.6	82633259.28	7110135.432	402376594.8	5889509.11
>FS-3_40433	2072890.921	113328698.1	196142798.1	0	49615788.09	0
>FS-0_26487;>FS-6_9589	231196.6365	13013070.11	58213631.31	615907.7474	9311971.726	0
>FS-3_2964;>FS-14_1397;>FS-0_48895	1044213.665	59350665.72	63715261.92	6930761.707	24151145.85	362621.195
>FS-14_6481;>FS-14_7272;>FS-3_10333;>FS-3_11438;>FS-3_11470;>FS-3_13257;>FS-3_15715;>FS-3_16676	974562.067	57025507.43	53524407.64	2815200.761	38669257.85	839553.488
>FS-0_21931;>FS-3_32199;>FS-0_22199;>FS-3_11445;>FS-40_81219;>FS-40_82619;>FS-6_36634;>FS-0_32418;>FS-40_94267;>FS-6_17125;>FS-3_21586	2266256.33	132906492.1	9639017.472	0	313481983.8	2609426.32
>FS-3_38734;>FS-3_38768;>FS-3_39040;>FS-3_39242;>FS-3_39525;>FS-3_40199;>FS-3_42987	402619.326	24117250.67	45876077.5	0	40653695.97	0
>FS-3_57357;>FS-14_1426;>FS-40_86702	391555.8368	23671437.01	7142924.567	0	21166118.64	0
>FS-3_2525;>FS-14_836;>FS-40_68541	1218248.841	75286980.6	33777273.96	1065214.431	73738155.2	0
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>FS-14_16813;>FS-3_30725	1185356.299	77484260.1	14535978.49	7260077.917	43107716.79	3953749.16
>FS-3_2933;>FS-14_16953;>FS-14_15879;>FS-0_39533;>FS-6_26580;>FS-6_38639;>FS-11_14037;>FS-3_20334	90045.49363	5926152.572	2856221.97	0	2199463.202	33300416.8
>FS-3_28502;>FS-6_49382	2179525.74	145226945	23524368.65	20790495.68	90399955.48	17572472
>FS-3_4429;>FS-14_16076;>FS-0_53291	392345.2078	26364846.18	17000126.32	169055.1339	1064439.077	510708.458
>FS-3_26466;>FS-3_44998	244173.4949	17080885.43	0	0	0	0
>FS-3_32803;>FS-14_1707	659343.2717	47440809.17	17821817.73	4344673.067	22832788.93	1523468.87
>FS-3_31800	1616697.39	116481554.4	55585710.71	1107338.102	18160219.41	5243711.4
>FS-3_147	262720.7011	19046098.12	9249962.654	32164.51659	5189301.417	1486828.93
>FS-3_3100;>FS-14_18455;>FS-6_7434	407913.6405	31632821.85	20141415.98	0	17661523.65	0
>FS-3_56779;>FS-40_12518;>FS-40_24866;>FS-14_31017	360910.8569	29124738.73	46937710.46	0	49278345.68	0

>FS-3_27682	746283.1027	62227798.71	2711545.797	462390.7814	5321378.296	0
>FS-3_33970;>FS-14_2582;>FS-0_28603;>FS-0_42630	384618.272	33337172.64	13378954.85	0	11638083.12	0
>FS-3_2313;>FS-14_2143;>FS-6_10331;>FS-6_19806	78834.41488	6913481.635	14246437.53	6717238.099	7822953.265	0
>FS-40_109001	361868.9661	32258045.55	9937837.155	647608.6249	233762856.8	38652743
>FS-3_2736;>FS-14_1359	207118.0706	18942036.82	7130273.438	3360395.147	16736434.22	4156929.31
>FS-14_16996;>FS-3_33305;>FS-6_38800;>FS-3_32301;>FS-6_38569;>FS-40_28885;>FS-6_55522	165161.0868	15535000.44	1035015.099	3979759.965	39032029.64	479000.949
>FS-3_2309;>FS-14_15676	469135.2779	46475896.23	17754980.36	2234244.724	10916184.95	271611.015
>FS-3_30977;>FS-6_1814	201824.9078	20919770.29	0	0	2365339.239	1714113.86
>FS-14_17434;>FS-3_33790;>FS-0_829;>FS-0_3383;>FS-6_40887	554552.1406	60722765.64	9331905.974	0	15686499.6	13411929.3
>FS-3_9661	4101226.525	481859088.1	606962974.9	10040250.93	279167.3449	372732.645
>FS-3_2648;>FS-14_1637;>FS-40_78184	50413.65158	9638941.494	22064641.06	0	33282065.48	3408165.18
>FS-11_4553	15361.35615	3894942.718	0	65847860.33	0	0
>FS-3_34007;>FS-14_15591;>FS-40_434;>FS-40_32016;>FS-0_42547;>FS-0_52545;>FS-0_53505;>FS-0_10786	107844.6453	31044747.63	12962262.69	0	6786451.142	0
>FS-0_10060;>FS-3_34107	93320.14963	31199490.72	51061557.61	1185554.666	6500102.587	0
>FS-3_665;>FS-14_716;>FS-40_103761;>FS-40_95910;>FS-6_18187;>FS-3_2019;>FS-6_16830;>FS-0_52859;>FS-6_16334;>FS-14_12311;>FS-0_4206	145516.9288	54822476.31	9400885.21	1997741.518	5415641.939	0
>FS-6_27082;>FS-40_6283;>FS-0_59374;>FS-0_58994	727515.1331	279159451.1	17101284.49	1068013.469	1019433401	17373339.3
>FS-3_57448;>FS-14_15457	147977.8973	68215306.27	241954961.1	0	13864091.65	5196964.13
>FS-3_4332;>FS-6_15445;>FS-0_47532;>FS-0_52706;>FS-14_16309;>FS-6_46293;>FS-0_40984	12055.7332	5812775.053	5243386.011	0	11227397.44	0
>FS-3_28619	29572.76968	22118418.38	19558408.39	16473966.06	5823011.486	8378940.68
>FS-0_17422;>FS-0_17519;>FS-40_16637;>FS-40_24278	108787479.8	0	6741796.422	0	12427541.23	34665638.5
>FS-0_17827	31186158.97	0	0	0	13851558.96	0
>FS-0_17945;>FS-40_12240	71386696.99	0	6827826.216	423058.7374	0	0
>FS-0_18654;>FS-40_48810;>FS-40_54459	43241989.48	0	31137953.47	0	34021018.5	2931153.69
>FS-0_19314	11085320.93	0	0	179059.234	667230.226	0
>FS-0_19340	93355051.38	0	2564414.155	0	5396319.59	17992769.2
>FS-0_19540	47414715.49	0	0	294354.7566	648776.1776	20680692
>FS-0_19664;>FS-0_20000	42565115.79	0	0	20590009.34	849293.6455	9447420.68
>FS-0_19726;>FS-40_84894	23860214.7	0	4357998.325	0	8460204.174	14141124.4
>FS-0_19755	70014679.82	0	5849954.124	0	10791795.67	8653469.15
>FS-0_20	23300698.62	0	132541.1598	0	287985.3428	24129019.4

>FS-0_20491	11489927.13	0	26264141.24	0	474842.944	141848195
>FS-0_2084;>FS-6_8641;>FS-6_44266	11293229.99	0	0	0	0	1062272.88
>FS-0_21273;>FS-40_117319;>FS-40_11032	3256190.754	0	3316371.82	0	17552326.67	7887831.89
>FS-0_2148;>FS-40_50050	13004545.18	0	3918064.833	6458299.756	1452414.13	57824519.1
>FS-40_71987;>FS-40_27927;>FS-0_21910;>FS-40_14490	7733240.06	0	2634963.628	365581.727	1144718.708	789263.738
>FS-0_22269;>FS-6_647;>FS-0_26994;>FS-40_54229	11674732.28	0	39546483.51	3118496.994	4430022.459	36027798.9
>FS-0_79015;>FS-0_23194;>FS-40_108477;>FS-40_11421;>FS-40_116420;>FS-40_11422	10356497.88	0	1377743.935	0	32510256.72	2769585.35
>FS-0_233	16462501.17	0	5222721.552	0	4114181.738	15027924.4
>FS-0_79110;>FS-40_94701;>FS-0_23756;>FS-40_13828	54914154.93	0	20314949.65	0	25178087.07	42540269
>FS-0_23866;>FS-6_1538;>FS-40_97349	10745621.93	0	0	0	0	0
>FS-0_24034;>FS-0_59509;>FS-3_8244	273354012.7	0	28911588.19	893342.3373	154815735.3	0
>FS-14_6224;>FS-0_25664;>FS-3_34165	20556468.23	0	916827.3856	0	5405243.654	0
>FS-40_92543;>FS-0_26550	42227739.27	0	14100883.88	0	151110.4123	1772890.58
>FS-0_26737;>FS-40_81931;>FS-40_53322	46401638.07	0	5645706.308	0	169168.902	978489.339
>FS-0_28474	45494094.17	0	93733234.81	0	286412.6355	29133748.7
>FS-0_30331;>FS-0_28673;>FS-40_69518	27105257.53	0	0	0	255119.569	0
>FS-0_28685	20023924.92	0	0	199696.3769	43313.08004	5574125.38
>FS-0_29242;>FS-40_14381	12448049.78	0	1622861.741	0	4174218.072	3253711.14
>FS-40_51933;>FS-0_29304;>FS-40_80238	16703309.58	0	3533089.731	0	7052889.353	5784908.74
>FS-0_29741;>FS-14_21221;>FS-40_82850	95403552.64	0	47158130.56	1291091.5	652416.9139	0
>FS-14_28329;>FS-0_29889	30297231.54	0	0	0	0	0
>FS-0_30972	41941695.2	0	10280344.75	210230.8503	98921653.47	0
>FS-40_75285;>FS-0_313;>FS-40_10257	2603889.337	0	136395.011	613224.3674	0	10747937.2
>FS-0_32790	60691552.65	0	3094959.019	0	128079.3773	14289510.3
>FS-0_33288	90128184.48	0	21203133.26	37992.78382	278513452.5	28463442.5
>FS-0_33598	17641880.5	0	3780605.073	103861.5707	0	30025813.6
>FS-0_338;>FS-6_28758	131415.9866	0	8733531.997	0	3521636.341	65407285.1
>FS-0_38419;>FS-40_20710;>FS-6_32718;>FS-3_24765;>FS-3_24071;>FS-3_23429	2348599.345	0	0	159089.6021	6287281.439	10494719.1
>FS-0_38585	19394510.08	0	36129343.22	0	1569388.163	17687061
>FS-0_38925	2588122.255	0	2144631.885	0	589608.0779	45087519.2
>FS-0_39197	12447121.44	0	417833.3913	0	6303830.613	12608307.9
>FS-0_40079;>FS-40_96528;>FS-0_62130;>FS-0_66917;>FS-3_6023	19549376.49	0	568465.3259	0	1193180.097	1693195.24
>FS-0_40380	6648355.902	0	138197.5882	0	0	0

>FS-0_519;>FS-40_42378;>FS-14_9437;>FS-40_47387	52246683.94	0	1279123.395	0	13068714.25	0
>FS-0_55657	19753407.9	0	5774845.015	0	17098880.59	0
>FS-0_56235	21646369.1	0	0	0	78683.49784	2215517.91
>FS-0_56319;>FS-14_21525	58034651.66	0	18373220.54	6245264.218	28400802.66	57947215
>FS-0_57008;>FS-40_97064	18849559.48	0	20625169.28	22679.59279	4112482.816	8296732.25
>FS-0_57151;>FS-40_19998	16411078.34	0	83596634.07	179016.1892	738751.1413	8476033.27
>FS-0_57318;>FS-0_59410	12868355.06	0	0	0	10789523.31	5941018.55
>FS-0_57393	5016713.419	0	2454103.751	0	1022377.54	0
>FS-0_57481	33210166.4	0	1492619.65	0	8507688.109	1047399.95
>FS-14_8713;>FS-0_57611;>FS-40_41401	33592714.15	0	7268315.31	0	22926987.99	2095922.1
>FS-0_57648	7559770.766	0	0	0	522859.0134	1500013.65
>FS-0_81586;>FS-0_57912	171691375.5	0	8019304.619	1077625.85	106719327.2	8318439.22
>FS-0_58451	5521219.588	0	7069469.671	0	8489.589415	0
>FS-0_58540	22652352.97	0	0	0	0	7162690.75
>FS-0_58957	26998163.2	0	0	0	3716965.126	83414508.2
>FS-0_59379;>FS-14_23748;>FS-40_113221	8083452.467	0	265391.9446	9208518.203	0	0
>FS-0_81912;>FS-0_60043;>FS-0_60044;>FS-3_7985	17238631.74	0	2652967.638	0	1603679.812	0
>FS-0_60242	275151.0241	0	2714230.676	14817571.9	0	0
>FS-0_60285	18988040.32	0	3043859.99	0	29224205.3	1305631.28
>FS-0_60448;>FS-14_21043	31383185.73	0	0	0	14728739.62	859098.703
>FS-0_60594	11408020.53	0	0	1561445.543	0	10776405.9
>FS-0_60781;>FS-6_45660	27499668.37	0	212536.3223	0	17136.67927	92910360.4
>FS-40_71184;>FS-6_41403;>FS-0_60876;>FS-6_47941;>FS-6_31869;>FS-0_66824	10886802.78	0	1428761.434	0	0	905666.324
>FS-0_61224	226529462.2	0	0	0	273870.3243	241525960
>FS-40_77410;>FS-40_39240;>FS-0_61399;>FS-40_76365	28339464.43	0	0	294706.033	3658950.535	1730716.98
>FS-14_23125;>FS-0_61879	38108945.95	0	396794.8425	3604595.581	1975705.826	0
>FS-0_62222	61500083.37	0	0	44024.77444	0	18571699.4
>FS-0_62677	27136309.08	0	5977158.552	0	25062708.89	97249801.9
>FS-0_62826;>FS-40_111775;>FS-0_47506	5670261.016	0	358833.0421	0	5924241.615	0
>FS-0_63669	22792957.68	0	4235696.769	0	14749348.71	20374755.8
>FS-0_64155;>FS-14_9196	17500110.42	0	0	0	2351817.736	8145478.02
>FS-0_64417;>FS-0_67941;>FS-40_1305	32673011.4	0	11479980.04	0	0	5274801.24
>FS-0_64736;>FS-40_37173	8745398.115	0	0	0	654574.2638	0
>FS-40_93563;>FS-0_64827	145547909.1	0	3984012.653	155384.5887	87041540.55	5234335.46

>FS-0_65261	26031620.19	0	0	0	1216980.12	3785284.49
>FS-0_65439;>FS-40_15963	22181716.32	0	0	0	7823236.578	11575772.3
>FS-0_65476	16570578.42	0	876759.025	0	131427.8113	504930.487
>FS-0_65598	11797773.83	0	3421183.878	0	1121730.563	6417024.77
>FS-40_82081;>FS-0_66035	17786067.86	0	12776861.27	0	1965200.992	0
>FS-0_66648;>FS-40_36485;>FS-40_87427;>FS-6_2666;>FS-0_63250;>FS-0_21594	9048322.938	0	0	0	1323472.732	0
>FS-0_66696	4787774.191	0	5746984.859	67548.78495	5974011.115	91756151
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>FS-0_67384;>FS-40_37694	51140823.13	0	0	0	23101580.44	45433882.7
>FS-0_68015;>FS-3_988	48270570.75	0	657475.8773	0	2031328.394	16308003.7
>FS-0_68343	47482804.09	0	0	0	700285.7013	0
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>FS-0_68752	94241869.07	0	788325.8027	0	17229389.65	5783232.9
>FS-6_38604;>FS-6_41201;>FS-0_69037	7140657.086	0	29185968.1	0	2327999.113	77075342.6
>FS-40_35541;>FS-40_109841;>FS-0_69707;>FS-40_38290;>FS-3_25525	19031466.21	0	6705233.99	4904428.822	1787134.923	0
>FS-0_69838;>FS-40_20865	28834357.84	0	131054.8759	0	2321629.669	5207307.42
>FS-0_70841	39670265.48	0	802962.7915	0	4955734.152	8949792.12
>FS-40_22046;>FS-0_71112;>FS-40_92684	7955188.243	0	599083.9232	0	12399302.19	0
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>FS-0_76068;>FS-40_33697	16118514.36	0	25436085.78	0	0	22227467.9
>FS-0_76140	20067353.31	0	5490926.392	0	6609728.552	9601418.88
>FS-0_79819;>FS-0_28285	73330612.95	0	4683496.81	3198593.883	0	2767683.47
>FS-0_82827;>FS-40_50076	24108566.18	0	1331862.084	0	10901546.6	195898.727
>FS-0_890;>FS-6_26540	43857133.67	0	27386118.63	1285858.841	19224104.67	10178321.3
>FS-3_11701;>FS-11_11856;>FS-40_104434;>FS-40_75036	6819573.919	0	0	30400254.73	0	411557.894
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>FS-3_17844	293601.4217	0	46998029.5	31989221.53	718238.0592	27210602.7

>FS-3_25270	725196.9657	0	0	0	3405077.725	2318321.79
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>FS-3_32513;>FS-14_16891;>FS-6_1292;>FS-0_42776;>FS-0_45047;>FS-0_46886;>FS-0_48575	25333318.77	0	48028681.12	0	3326937.639	60682.9646
>FS-11_8466;>FS-3_3520;>FS-14_23196	3463069.526	0	12697360.71	17392084.11	0	0
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>FS-3_36961;>FS-0_58686	11417216.29	0	0	253569.7995	2155794.227	7918317.25
>FS-3_38908;>FS-40_17058;>FS-6_12631	56706905.25	0	70501169.58	0	670977.8151	10341640
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>FS-3_5632	14773521.99	0	15665910.78	14225.1174	12116659.19	60013543.5
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>FS-6_13179	1604032.198	0	61947128.76	230038.6369	0	114863.928
>FS-6_13635;>FS-6_20890	24582880.57	0	0	24425.05982	0	579839.182
>FS-6_13702	17611269.52	0	27911818.89	0	295381.1694	369693127
>FS-6_13884;>FS-40_40396	32981546.74	0	3051159.741	0	2216022.5	29900673.4
>FS-6_1427;>FS-40_21577;>FS-40_20073;>FS-11_8893;>FS-3_42512;>FS-40_40263	15067845.06	0	1284500.466	96599.57937	0	0
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>FS-6_14757;>FS-6_8841	11997310.89	0	22202907.57	0	1237397.736	0
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>FS-6_15161	15783621.31	0	63817013.89	0	3453104.643	11243586.4
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>FS-6_172	3376068.755	0	1593366.852	0	0	33017729.6

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>FS-6_21329;>FS-0_61440	9664560.214	0	529057.743	30958.78043	0	0
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>FS-6_27368;>FS-40_86854;>FS-40_85869	12604282.68	0	1458472.754	0	12670569.09	3728046.2
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>FS-6_28526	12662154.2	0	0	0	0	0
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>FS-6_31702;>FS-40_52642	105534142.1	0	7139343.195	0	1450466.726	4318786.14
>FS-6_34117;>FS-0_38171	18622279.59	0	11279609.2	0	6112563.771	27847092.5
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>FS-6_49715;>FS-6_22228	41981265.25	0	0	0	2116425.43	80522044.2
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>FS-6_9266	6784146.3	0	31227582.97	0	0	1680961.63
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>FS-11_10171;>FS-40_85337	1543576.346	0	0	7096008.397	0	0
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>FS-11_4838;>FS-11_11526	606088.8069	0	0	25008168.82	0	0

>FS-11_11540	2358613.254	0	0	6895136.707	0	3047543.91
>FS-11_11735	6236321.11	0	1297971.489	23899987.04	6130178.84	2136450.18
>FS-11_1296	2462622.823	0	467618.5784	9128291.81	0	0
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>FS-40_60209;>FS-11_16968	256385.6456	0	60403.61216	13035209.34	433381.6809	0
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>FS-11_2429;>FS-11_3872	11544960.18	0	0	7508910.189	0	0
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>FS-11_3436	351672.8631	0	0	12455355.64	0	647489.444
>FS-11_436;>FS-14_6837;>FS-0_69084;>FS-6_17960;>FS-0_56488	2647718.156	0	0	3389488.349	2042115.014	0
>FS-40_21490;>FS-11_47	1405143.302	0	0	7143645.929	0	0
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>FS-11_7844	51912.11503	0	0	12881334.9	0	0
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>FS-11_8432;>FS-3_29532;>FS-40_109636	155877.5598	0	18913.54167	8253356.794	2389310.287	17121341.4
>FS-11_8929	1099672.886	0	0	23044092.58	0	0
>FS-11_9201	1708693.423	0	2051783.541	36728963.54	7547938.938	3258668.78
>FS-11_9512	301271.6719	0	0	35177769.72	42970.85412	0
>FS-11_9565	96916.09101	0	692039.4445	20954438.67	0	0
>FS-11_9855	1886900.848	0	1035558.467	18085282.53	0	0
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>FS-14_10614;>FS-40_11585;>FS-0_32068	23692922.72	0	4553597.779	0	0	0
>FS-14_10649	18115986.88	0	0	0	42407.6597	4934102.11
>FS-14_11529;>FS-14_11581;>FS-40_50642	113350641.1	0	9135402.818	0	13185646.5	55438402
>FS-14_12243;>FS-40_22528	5218386.47	0	771352.843	0	7766036.901	13759817.4
>FS-14_12459;>FS-0_70754;>FS-6_18264	26519482.04	0	989624.3025	0	463564.7217	57936121.8
>FS-14_12499;>FS-14_12502	859167643.1	0	124516865.3	2710579.589	4478548.967	1284513675
>FS-14_17802	54615105.71	0	7408150.2	0	28174668.71	3102059.79
>FS-14_18832	142537180.9	0	18891153.85	0	7209624.064	12654019.7
>FS-14_21370;>FS-40_95550	10728202.86	0	109273.7343	4986.791022	0	0
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>FS-14_21787;>FS-40_50119	6897314.944	0	4690420.315	804292.2682	450588.889	16249047.3
>FS-14_22291;>FS-40_103439	28322957.88	0	2424749.037	0	57360076.11	16498641.4

>FS-14_23978;>FS-14_22928;>FS-40_85429;>FS-40_22826;>FS-6_32693;>FS-0_39536;>FS-14_9971	17069619.43	0	0	159101.342	7287569.39	1207774.32
>FS-14_23030;>FS-3_6645;>FS-3_6646	4010392.484	0	1456948.025	968880.4646	0	0
>FS-14_23882	40374438.78	0	0	0	15571644.05	71275.4908
>FS-14_23902	207310.935	0	0	0	11773065.03	3079277.28
>FS-14_23986;>FS-40_72017;>FS-40_27884	24735710.24	0	355193.1922	0	10469088.45	2627511.41
>FS-14_24011;>FS-14_24827;>FS-0_26898	24269952.42	0	0	0	14084336.06	36166000.1
>FS-14_24339	32750157.59	0	0	0	19524991.45	1087703.09
>FS-40_61837;>FS-14_24370	24784373.66	0	7439.611797	1084930.467	3490910.747	13797040.8
>FS-14_24593	310164.6256	0	1371191.562	27722126.05	760847.5021	0
>FS-14_25516	20064398.98	0	2544837.228	0	3782585.573	36443887.7
>FS-14_25601;>FS-40_85870	17908472.85	0	2311671.843	0	19919049.5	0
>FS-40_88527;>FS-14_26354	27313312.47	0	0	2699555.237	6172119.156	3124215.68
>FS-14_26733;>FS-40_86082	32899365.41	0	31274308.28	1623168.622	10761353.31	13335130.7
>FS-14_28534	36999437.96	0	1151320.459	0	0	19679578.5
>FS-14_31750;>FS-14_6610;>FS-14_23493	36136970.87	0	0	0	103698.1515	316711.41
>FS-14_3470;>FS-14_3857	9612401.712	0	0	0	874037.8337	14565938.3
>FS-14_4483;>FS-0_63042	17630880.4	0	0	60019.53033	6127814.91	1508264.49
>FS-14_4498	32797144.72	0	2145354.655	49558.20676	3794646.174	54906363.2
>FS-14_5458	89299797.75	0	16903691.75	0	5876677.53	5179855.5
>FS-14_5531	16660354.2	0	0	0	74844.74907	322815.604
>FS-14_5660	9717501.828	0	0	0	93066.38217	1112618.54
>FS-14_5915;>FS-6_5017;>FS-40_94857;>FS-40_103916;>FS-40_21770;>FS-0_30245	28537264.03	0	0	0	605578.6209	0
>FS-14_6252;>FS-40_85373;>FS-0_64849	9215994.22	0	7405134.705	0	60482.90333	2249403.47
>FS-14_6864;>FS-0_36425	45778178.34	0	9892203.913	2122815.924	29310255.16	14056644.3
>FS-14_7352	56014554.25	0	13424978.57	0	77129744.87	761835792
>FS-14_7457	15601449.82	0	1852298.327	3621431.577	0	0
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>FS-14_7757;>FS-3_36418;>FS-0_68626	23356061.27	0	11410942.78	0	29751684.27	0
>FS-14_8032;>FS-14_8031	36646750.38	0	5637158.347	3494294.564	3424576.673	21717517.7
>FS-14_8269	47798872.39	0	19536449.67	8559249.098	30462985.77	225331254
>FS-14_8907;>FS-3_16516	13575822.97	0	960471.7336	66533.64485	10724249.54	0
>FS-14_9694;>FS-0_31212	50001442.45	0	14803839.9	1770719.986	890926.8872	57580155.7
>FS-40_100200	23710926.32	0	14560919.54	0	1673472.806	323730.455

>FS-40_101295;>FS-3_34862	12500682.6	0	659405.2858	13034186.81	10261839.46	2504935.87
>FS-40_1013;>FS-0_66152	31848811.53	0	9935631.027	0	4015858.604	3635841.9
>FS-40_101668	128561760.9	0	0	723654.9915	2217495.591	30093751.2
>FS-40_102117;>FS-14_11592	60279022.63	0	2237897.451	0	13338883.27	2363618.24
>FS-40_102649	15936802.74	0	0	0	0	172082673
>FS-40_103925;>FS-40_106978	3502109.252	0	110924.2592	0	2737108.863	130218.352
>FS-40_8652;>FS-40_104129	39618796.44	0	377452.1628	0	7609.061865	160003.437
>FS-40_17762;>FS-40_10476	350651.575	0	3118787.131	738227.424	3409358.541	37456279.7
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>FS-40_104974	140955666.9	0	845959.512	0	157185.0222	16244760.2
>FS-40_105227	28873179.07	0	34601314.43	0	1970538.56	6989853.27
>FS-40_1054;>FS-0_61928	40728460.97	0	0	0	348349.2559	0
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>FS-40_106557	2705225.413	0	0	0	23322863.76	7484960.08
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>FS-40_107332	13133909.49	0	0	1945643.46	9208276.142	996343.473
>FS-40_107354;>FS-40_41532;>FS-0_69704;>FS-40_50296;>FS-40_39809;>FS-40_52777;>FS-40_39810;>FS-3_34826	25656062.5	0	8887073.489	0	7756287.52	922585.075
>FS-40_7484;>FS-40_73364;>FS-40_108146	17704804.99	0	458161.5217	0	2369472.831	776676.67
>FS-40_108517	20359763.94	0	0	0	0	1130155.65
>FS-40_109;>FS-0_174	10063491.39	0	721443.9857	8703753.363	2024184.639	14441020.3
>FS-40_110202	20321067.89	0	0	0	15761775.78	0
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>FS-40_110668;>FS-40_41088	2439013.057	0	554592.9301	865955.2716	2894842.774	503378600
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>FS-40_77315;>FS-40_116435;>FS-40_111606;>FS-40_114378	87819413.82	0	14103354.57	0	15795785	4444533.34
>FS-40_111922	64465864.95	0	1205728.533	668887.6453	9490783.069	96468226.2
>FS-40_11260;>FS-6_45679	5113252.841	0	6841497.53	0	0	58225206.8
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>FS-40_117083	1101434.031	0	0	0	0	150141938
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>FS-40_45107;>FS-40_15450;>FS-40_12382;>FS-40_53037	103959387.8	0	5990426.224	0	1904926.552	5196607.47
>FS-40_123880;>FS-40_55413	167698466.8	0	28793780.64	0	62427737.74	82471594.4
>FS-40_125180	71769732.37	0	14527160.66	0	27746048.58	20567333.2
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>FS-40_126810;>FS-40_61781	32316017.69	0	769919.195	0	4375598.714	1700340.71
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>FS-40_46583;>FS-40_12849	126704987.3	0	11749801.45	0	10671302.8	7257493.97
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>FS-40_130034;>FS-40_55412;>FS-40_120436;>FS-40_20856;>FS-0_27829	88346561.12	0	10203864.81	0	22824426.59	22761538.5
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>FS-40_1501	436777033.1	0	2889599.689	0	16729803.72	1898708.43
>FS-40_15375;>FS-40_60224;>FS-40_591;>FS-40_617;>FS-14_28152;>FS-0_22826;>FS-40_103930;>FS-40_93306;>FS-11_14120;>FS-40_37064;>FS-11_12150;>FS-40_33912;>FS-0_64105;>FS-0_62609;>FS-40_39570;>FS-40_46218;>FS-40_11520;>FS-40_143059;>FS-40_116767;>FS-14_22017;>FS-3_34813;>FS-11_903;>FS-3_23127	38003685.19	0	9592595.081	0	0	4302448.59
>FS-40_15424	2932616.377	0	2208177.951	0	15577614.41	34037061.4
>FS-40_15677;>FS-40_31072;>FS-40_97545;>FS-0_59307;>FS-0_81797;>FS-0_59308	35773035.15	0	1023162.874	0	1344983.702	0

>FS-40_1631;>FS-6_40261;>FS-40_107334;>FS-0_55972	4498650.088	0	0	0	0	0
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>FS-40_164;>FS-0_32362	55757484.5	0	0	137176.6342	2995121.548	512063.785
>FS-40_16919	22932836.88	0	0	0	0	0
>FS-40_17297;>FS-6_8494;>FS-0_17774;>FS-0_33359	18363727.31	0	0	0	808942.8209	46730609.6
>FS-40_17551	14669272.81	0	398121.7152	489110.1511	8529074.868	678998.663
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>FS-40_20689;>FS-6_10266	12634553.15	0	10375719.29	127893.3036	366321.2791	39196801.6
>FS-40_208;>FS-6_406	29138449.7	0	19654582.11	374504.0813	1043242.511	41187719.7
>FS-40_20811	1134151.18	0	0	0	6962326.546	0
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>FS-40_2141;>FS-0_79215;>FS-0_24454	12627688.44	0	5287910.692	0	15882080.96	71938769.6
>FS-40_21785;>FS-3_48529;>FS-40_95491;>FS-0_40110;>FS-0_40111	9888822.856	0	12622531.3	0	471953.2862	0
>FS-40_26540;>FS-40_22083	40519033.13	0	0	0	1426757.863	1556764.2
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>FS-40_24016	137053450	0	40082677.13	66591.75535	51209878.86	27473346.9
>FS-40_25961;>FS-40_117708	68727774.61	0	2183515.573	0	22533693.43	21244167.3
>FS-40_267	29295551.49	0	3988989.149	565049.2162	24657362.83	446187.779
>FS-40_26811;>FS-40_48297	12658890.31	0	235803.3903	5271.56842	729201.4728	0
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>FS-40_78146;>FS-40_27918;>FS-40_97762	73982392.18	0	7043465.781	0	12929627.69	0
>FS-40_27996	60292059.94	0	14004622.01	0	32962856	0
>FS-40_29276;>FS-3_22375	34948008.14	0	20515539.33	408796.5572	1839313.57	10026013
>FS-40_90870;>FS-40_29413;>FS-40_113859;>FS-40_15402	4385007.417	0	1134192.359	0	50516757.5	2511170.5
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>FS-40_31572	21630079.76	0	7057378.577	8120191.978	20145607.95	7813107.62
>FS-40_31832;>FS-40_138174	10487357.26	0	27765640.76	1884928.478	6369043.981	32678168.9
>FS-40_31952	587423.6366	0	16842402.63	0	827874.8201	354899589
>FS-40_32047;>FS-0_55423	60512258.02	0	326184.1067	148153.0607	66413978.82	40137403.1
>FS-40_33405;>FS-40_70729	14069685.57	0	2170818.737	440348.4027	2546227.028	278061.513
>FS-40_33506;>FS-40_96070	41406609.42	0	0	986523.9171	2141694.839	978581.463
>FS-40_35043	197671805.6	0	17374113.73	14949163.36	27874640.39	3839060.24
>FS-40_81035;>FS-40_35254	300460.6183	0	0	10978991.7	0	0
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>FS-40_37069	19262279.77	0	0	0	108168.4755	25401409.1
>FS-40_37764	1830083.085	0	376961.8925	0	1234342.6	584324.092
>FS-40_37962;>FS-40_98229;>FS-40_42600	23347559.52	0	1267156.058	10821.46514	6218121.744	0
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>FS-40_40313	59050551.14	0	6784640.565	269704.429	20382072.08	48588.4582
>FS-40_40366;>FS-0_28589;>FS-40_16214;>FS-40_48081	54058959.12	0	15865447.59	0	48742313.35	24951860
>FS-40_41096;>FS-40_22347;>FS-40_39557	61418368.33	0	8334242.161	298733.3802	16045380.73	130749.863
>FS-40_41719;>FS-40_22721;>FS-40_24334	26747556.72	0	6201877.761	0	17167174.54	19448253
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>FS-40_42036	15993748.96	0	14421597.36	536222.318	0	0
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>FS-40_44605;>FS-3_31421;>FS-40_1152;>FS-6_27288;>FS-6_44426;>FS-0_59711;>FS-40_38310;>FS-6_1017;>FS-6_44092;>FS-14_1016;>FS-40_117368;>FS-40_12309;>FS-0_29514;>FS-14_20086;>FS-3_37330;>FS-0_42161;>FS-0_41732;>FS-0_43305	25241137.14	0	10980615.41	0	27274151.52	17796575.9
>FS-40_46102;>FS-40_80809;>FS-14_6307	509990.5357	0	0	0	1541629.225	64752540.9
>FS-40_485;>FS-14_23794	6861439.094	0	1751425.23	0	4030885.916	12609552.6
>FS-40_49076	132126564	0	35479344.62	0	8719926.992	76970407.9
>FS-40_49993	46331972.02	0	662460.2347	0	0	59314279.4
>FS-40_50308	20414307.17	0	0	0	2692998.647	930824.034
>FS-40_50648	58873283.34	0	65903.80617	0	1051393.653	4130967.73
>FS-40_51627;>FS-40_50691	22528811.29	0	2677739.134	0	1757976.911	33873828.9
>FS-40_51820	79954057.54	0	0	1679718.572	241063.2216	82685762.7
>FS-40_52249	15009061.43	0	511616.4845	0	5840499.623	46093844.7
>FS-40_54778;>FS-0_67294	25447688.84	0	0	0	3774602.063	0

>FS-40_55037	440216.7488	0	253522.1549	870969.3662	0	318904452
>FS-40_5537;>FS-40_76191	44461567.86	0	4448603.258	0	839662.9422	750779.596
>FS-40_5647;>FS-40_10511	14871111.12	0	602361.2269	0	0	101189.396
>FS-40_57322;>FS-40_56557	9167332.004	0	431717.2484	1485289.802	0	101137906
>FS-40_56846;>FS-40_128732;>FS-40_56068;>FS-40_55786	43112642.01	0	0	830715.7284	0	0
>FS-40_573;>FS-0_17716;>FS-40_110213;>FS-0_27994;>FS-40_20674	15071770.27	0	105010775.7	69485473.77	49794212.02	182072206
>FS-40_5808;>FS-0_69362;>FS-0_19240;>FS-40_47519	10965530.84	0	2352106.367	11170748.79	485775.9396	393936.373
>FS-40_58291	20412603.15	0	0	0	9140383.322	5073218.56
>FS-40_58428;>FS-40_57949	25353556.76	0	2242030.547	0	6512583.996	10088025.1
>FS-40_58614	9358050.644	0	3310660.983	40217.67966	0	415073273
>FS-40_58832	24353323.83	0	272617.275	77641.25364	0	1495513.72
>FS-40_60783	13353687.16	0	1596037.835	0	1350679.894	2166132.89
>FS-40_61053	8208753.405	0	371256.5233	8293.093511	0	452745.629
>FS-40_613	15408402.84	0	2819671.425	0	5143851.895	37460.5135
>FS-40_61495;>FS-0_57704;>FS-14_26920	21062028.89	0	2309026.334	0	2201300.06	0
>FS-40_6170	32160459.14	0	1311097.234	0	5170428.837	53794407.5
>FS-40_61765	28929619.33	0	3473698.573	587934.7067	0	0
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>FS-40_61875	35595004.36	0	527979.8801	0	7256626.809	3802882.02
>FS-40_61878	24168972.13	0	2302739.556	1065466.651	3002819.48	0
>FS-40_61991	13269769.19	0	465916.3724	0	1921328.443	1850366.14
>FS-40_62000	20258722.02	0	1441015.674	707118.6104	454773.1022	28171.5331
>FS-40_62136;>FS-0_65013	25017179.19	0	4798946.069	1570128.191	25157037.99	3093688.5
>FS-40_623	7367600.848	0	0	0	0	1036084.84
>FS-40_62410;>FS-3_13603;>FS-0_18	45086013.12	0	6499924.006	588695.165	4121268.42	1676521.74
>FS-40_62505	16190143.28	0	999165.1411	0	12017.33384	10055134.3
>FS-40_62691	1445042.704	0	1524154.162	9535116.983	335470.99	59937338.4
>FS-40_62831	2766156.409	0	9747351.565	0	553680.3288	23660919.7
>FS-40_62875;>FS-0_39020;>FS-40_1133;>FS-40_12671;>FS-40_26477	9878553.809	0	6785050.876	0	24550864.77	0
>FS-40_62905;>FS-3_11961	53487490.98	0	746755.0428	0	0	0
>FS-40_62929;>FS-40_68367;>FS-6_38193	5136260.565	0	3167861.944	0	0	0
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>FS-40_63071	46759947.33	0	2649254.823	0	5088512.121	20162607.6

>FS-40_63073	11577462.1	0	0	0	13872461.99	10431724.1
>FS-40_63149	3141395.101	0	292957.1233	0	87233.56629	622408315
>FS-40_63252	13886505.04	0	2536864.935	0	904256.6116	24632174.5
>FS-40_63256	200508998.4	0	29005006.36	0	17583428.36	144819003
>FS-40_63401	8960877.262	0	961083.0231	7430968.972	0	687774.743
>FS-40_63494	31636556.69	0	0	1046921.512	0	0
>FS-40_63615	20382701.13	0	0	0	8633805.134	11578099.1
>FS-40_63881;>FS-14_11522	44509573.98	0	11012644.33	0	16149701.15	66489499.6
>FS-40_640	14713896.02	0	622946.8072	123289.9003	284423.7833	0
>FS-40_64094	6808489.782	0	8005259.223	0	428912.7378	0
>FS-40_6572	74726688.67	0	11082919.82	10136194.89	427007.3164	156143490
>FS-40_6588;>FS-40_20804;>FS-3_8916	4693056.688	0	0	0	0	0
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>FS-40_69173;>FS-11_10435	612049.8408	0	0	3711835.163	0	2894335.59
>FS-40_69249	8678713.101	0	268634.5912	1878905.941	26432083.68	113599169
>FS-40_69415;>FS-40_44501	226920066.8	0	8682855.869	0	100524779.1	6036460.67
>FS-40_69481	35650445.88	0	31290792.67	387350.9297	27020.61776	31028029.7
>FS-40_69861;>FS-40_73063	6202885.777	0	0	0	1429823.479	0
>FS-40_6991;>FS-40_88761	275324389.7	0	7568879.946	16635.3841	3060789.72	2295492.91
>FS-40_70187;>FS-40_75423;>FS-14_9422	11443823.07	0	0	0	61927.66165	0
>FS-40_7020	22849829.64	0	607078.4495	1753141.989	524198.5851	530931.357
>FS-40_70308	126539794.5	0	233140.8335	0	0	0
>FS-40_71019;>FS-40_9081;>FS-40_40774	33330190.33	0	3329614.786	7456795.857	30066155.26	86748570.4
>FS-40_71156	51209884.68	0	13245769.15	218954598.4	8136362.16	41878644.5
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>FS-3_2780;>FS-14_140;>FS-6_6620;>FS-3_39338	0	10445306.99	726042.1891	2250628.594	26492.19751	0
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>FS-3_28725;>FS-14_2313;>FS-0_39731;>FS-40_44563;>FS-0_50136;>FS-6_41538	0	18449182.32	6907624.677	724186.5754	27748872.92	0
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>FS-3_29928;>FS-14_23464;>FS-0_46632	0	1932238.502	57812601.37	181498.4399	2513255.199	5661030.45
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>FS-3_32544;>FS-14_21327	0	22044815.37	37718825.25	0	56345175.24	18119152.7
>FS-3_32690;>FS-40_11716;>FS-11_5449;>FS-3_3074;>FS-14_25224;>FS-14_21907;>FS-0_15076	0	7595301.546	25906658.84	21937002.75	1255485.353	0
>FS-3_32708;>FS-14_15928;>FS-40_45174	0	889079.022	438696.0005	124892.8344	67471.36321	2031242.22
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>FS-3_33375;>FS-14_16972;>FS-6_1391;>FS-0_43026;>FS-0_51892;>FS-0_4971	0	3754259.325	19466508.62	0	15963756.23	0
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>FS-3_3419;>FS-14_17120;>FS-6_15198	0	6714026.888	4100946.949	148441.4766	703068.4374	0
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>FS-3_37;>FS-14_847;>FS-6_35360;>FS-6_37767	0	15136769.62	6936859.168	31769498.15	35444829.49	0
>FS-3_37205	0	27447744.81	38147271.25	0	7589163.094	0
>FS-3_4070	0	1140878.13	15356979.54	0	0	0
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>FS-3_4533;>FS-14_877;>FS-3_1518;>FS-6_61;>FS-0_4350;>FS-0_4505	0	2734527.593	54623564.93	0	0	0
>FS-3_46211	0	21713662.13	17464272.14	115951777.9	6954137.503	1602959.02
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>FS-3_47623	0	1737518.004	576892.3127	31595916.29	878852.9232	1822557.6
>FS-3_47971	0	4571070.567	12820109.82	0	986260.9119	0
>FS-3_50745	0	10361132.58	32434174.14	0	2083009.13	706712.459
>FS-3_55973;>FS-14_2135;>FS-0_40556;>FS-6_19613;>FS-6_19615	0	3679465.148	3244215.552	0	4182995.174	0
>FS-3_57379;>FS-14_16610;>FS-40_100606	0	7002754.97	14606753.67	338985.0501	5432885.558	0

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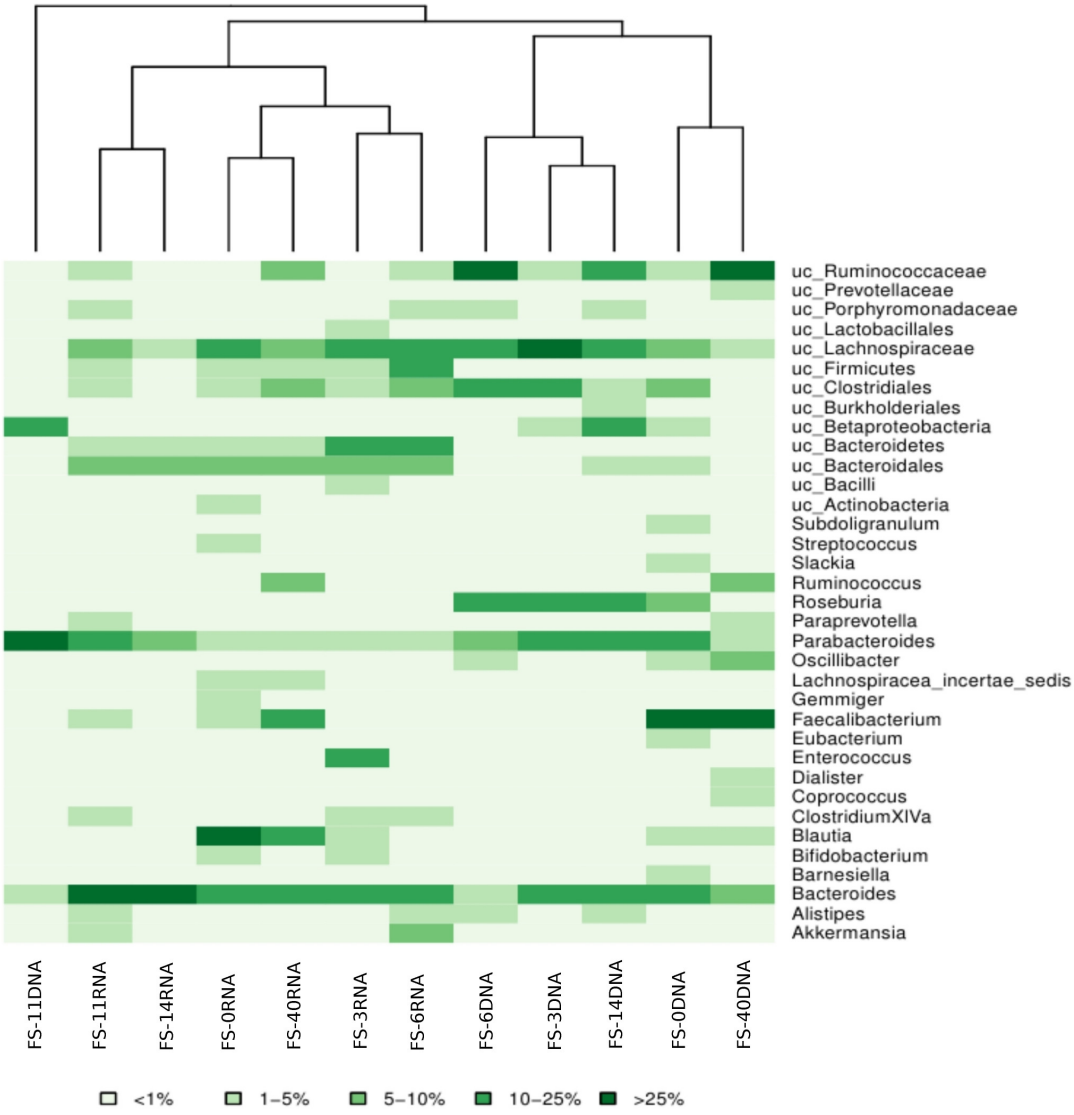
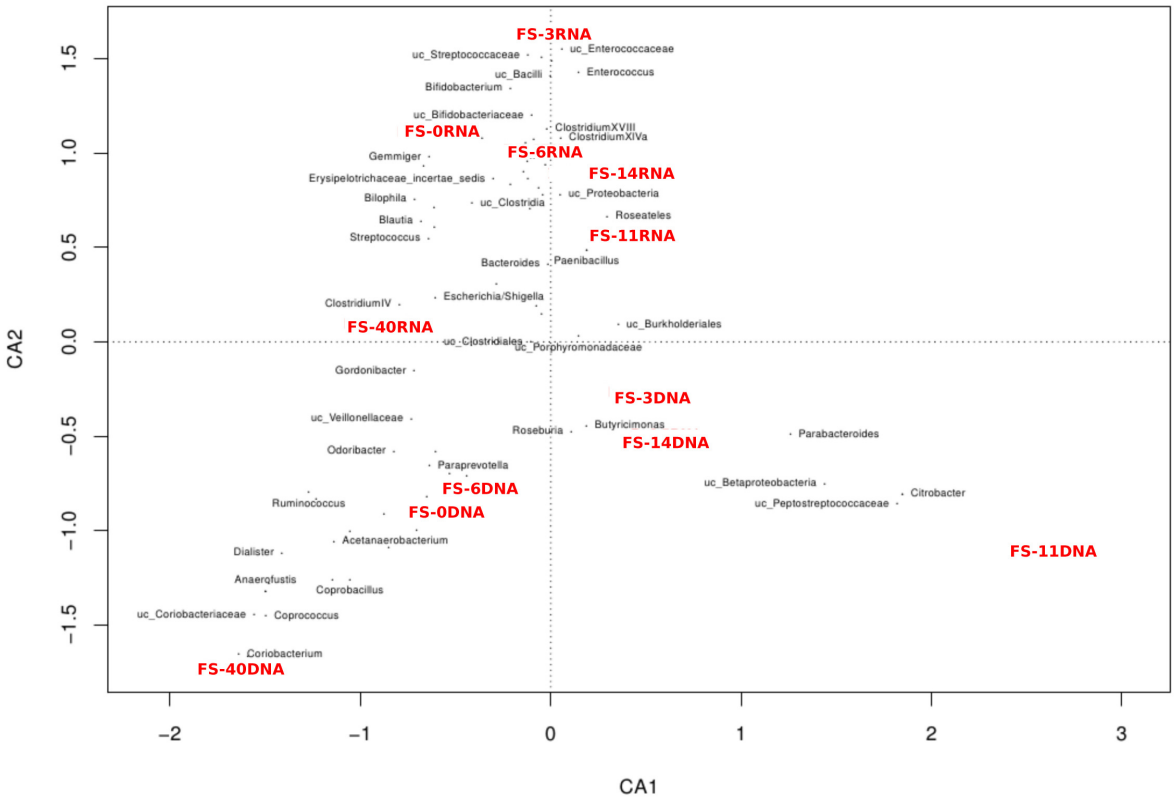
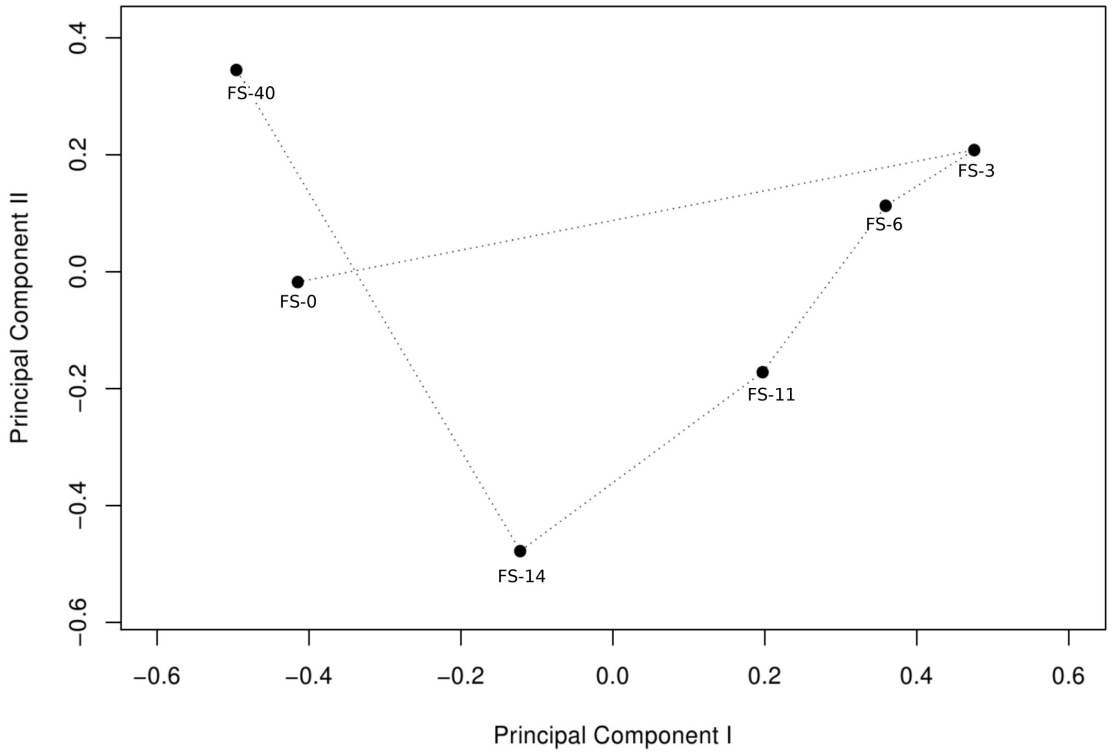
SUPPLEMENTAL FIGURES



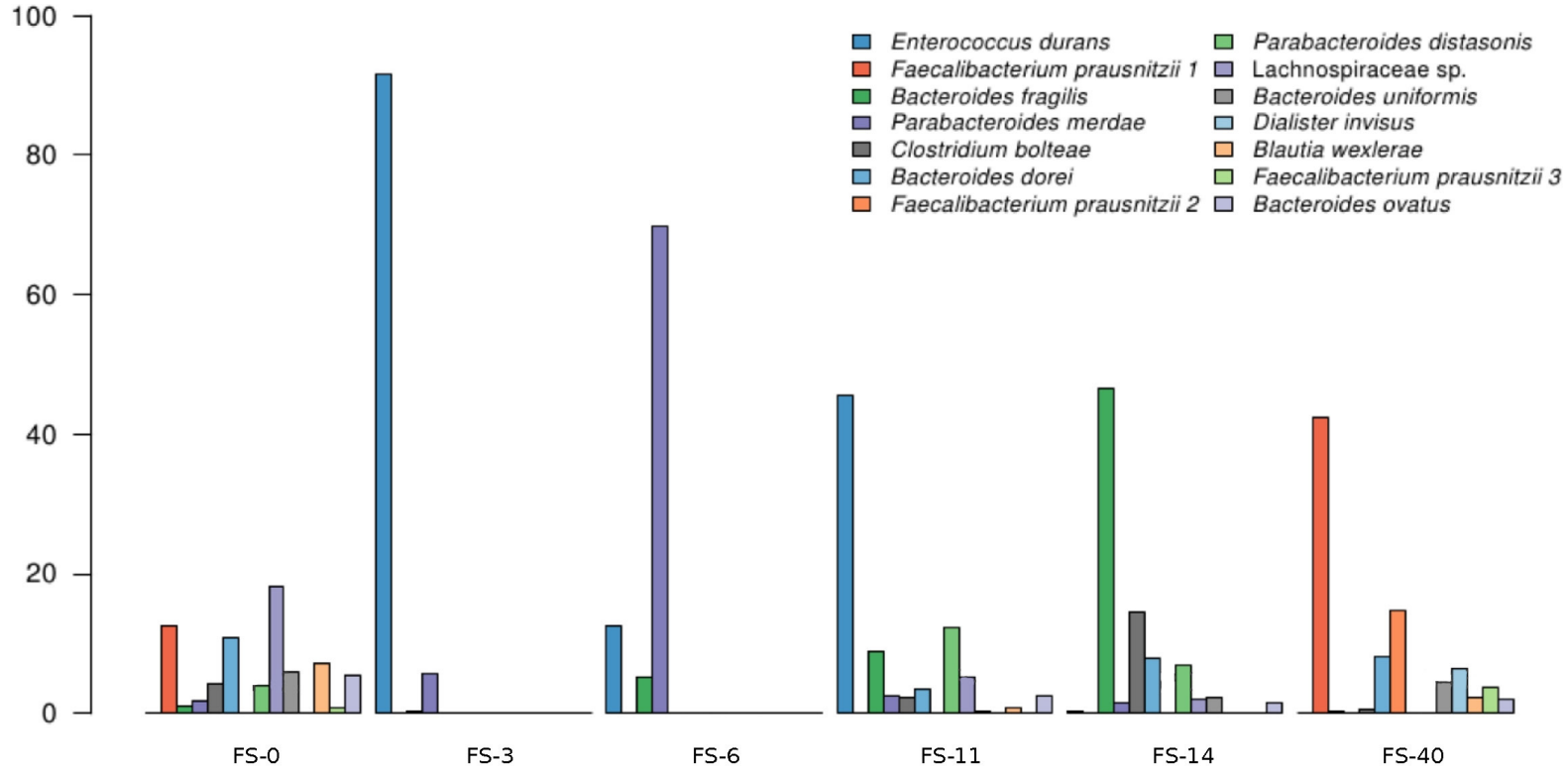
Supplemental figure 1 Heat map and hierarchical cluster based on the relative abundance of each bacterial taxon and the composition of the total (16SrDNA) and active (16SrRNA) microbiota. Colors depict the percentage ranges of sequences assigned to the main taxa (abundance >1% in at least one sample).



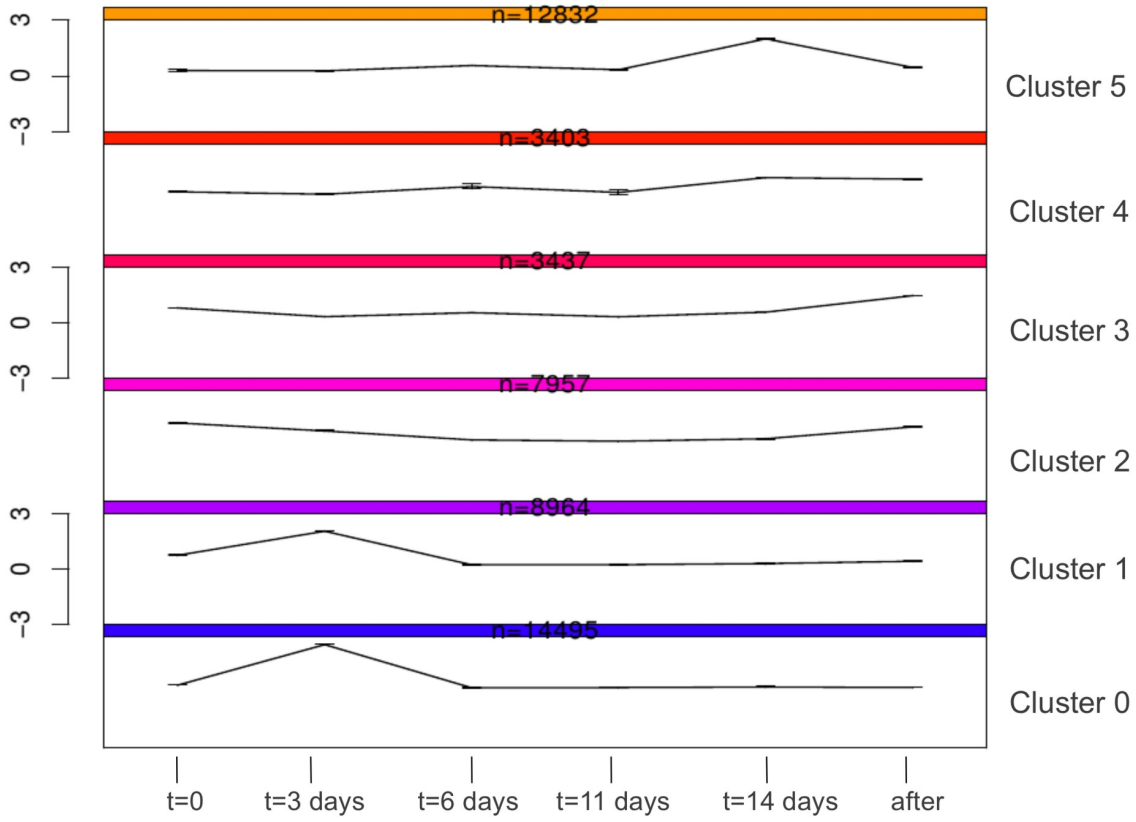
Supplemental figure 2 Correspondence analysis of total (DNA) and active (RNA) microbiota based on the relative abundance of each taxon per sample.



Supplemental figure 3 PCA of the Hellinger transformed OTU abundances for the samples FS-0 to FS-40.

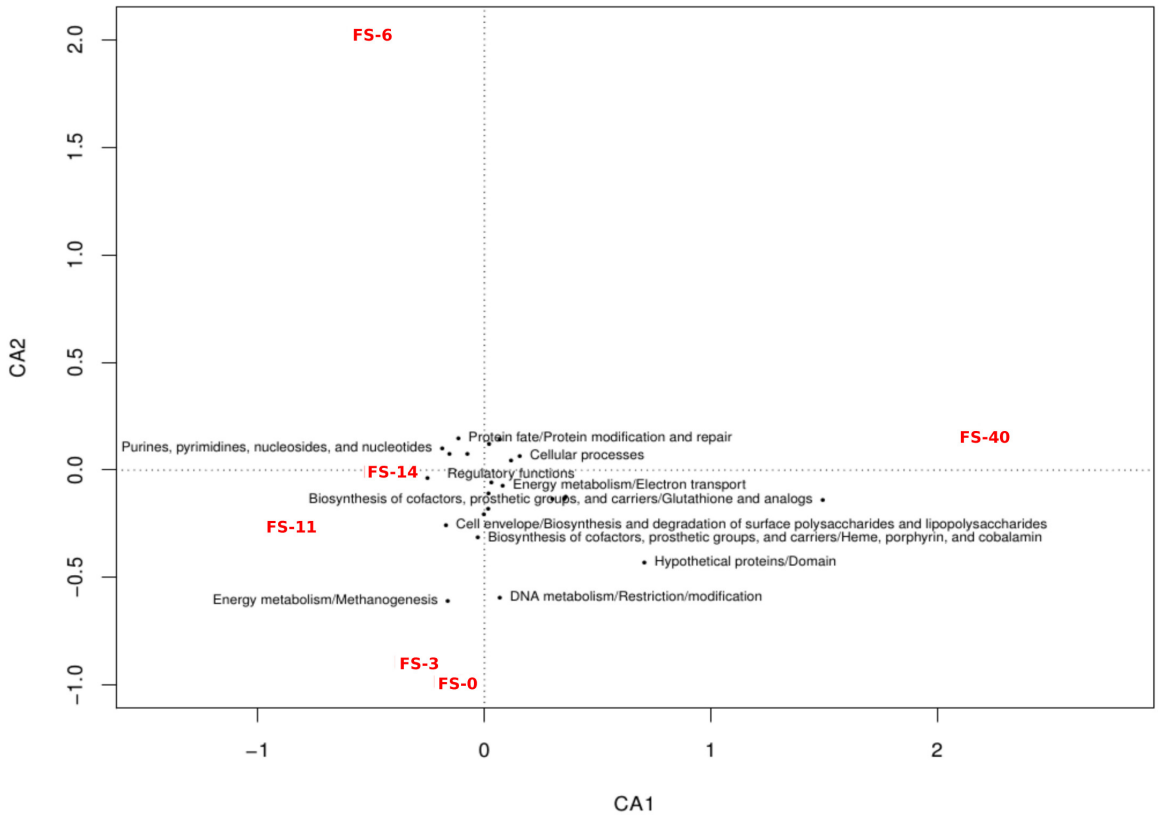


Supplemental figure 4 Distribution of prominent OTUs and their abundance identified by OTU vector length in the PCA.

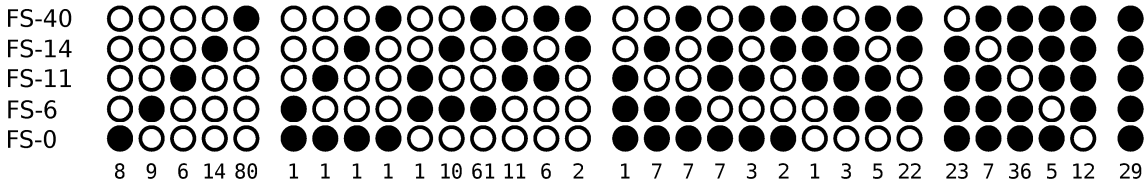


Supplemental figure 5 Clusters of genes based on their expression profile during antibiotic treatment. “n” corresponds to the number of genes included in each cluster.

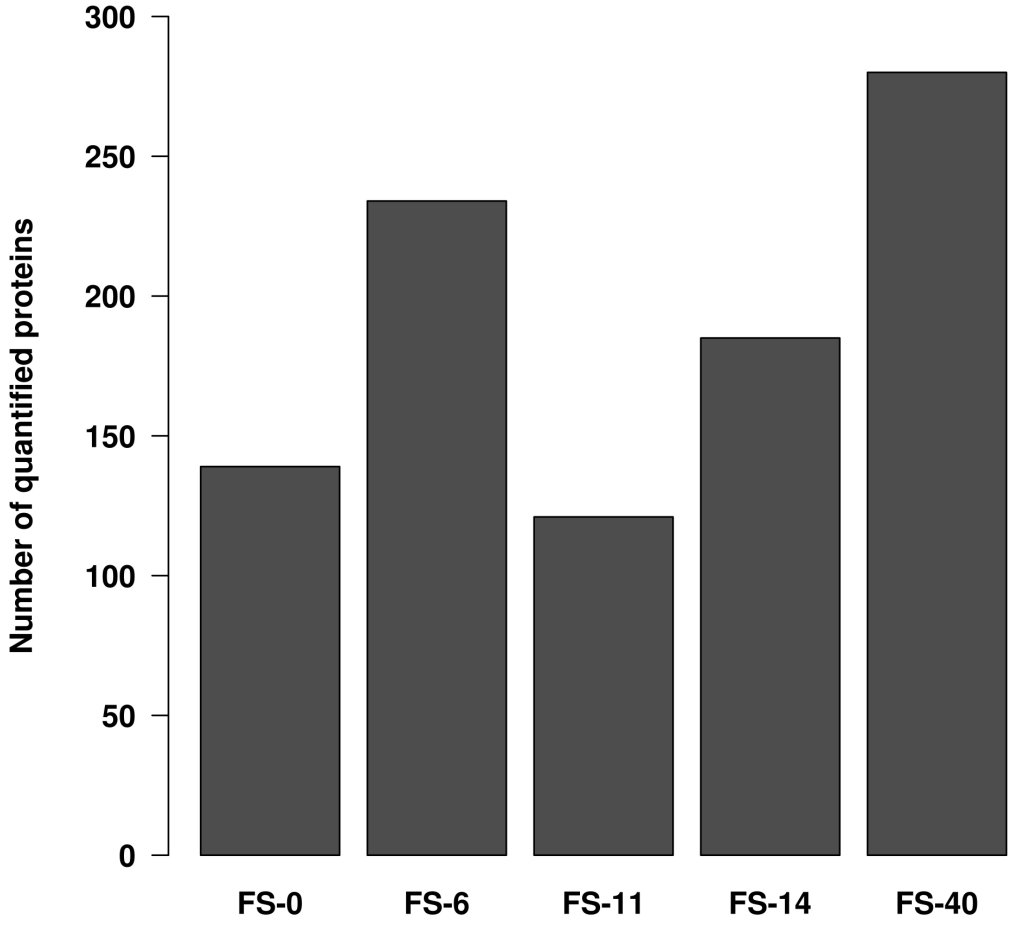
Supplemental figure 6 Relative abundance of functional categories exhibiting a statistically significant change due to AB treatment. These categories were obtained from a regression analysis based on a Poisson model, considering the sampling time during the antibiotic course.



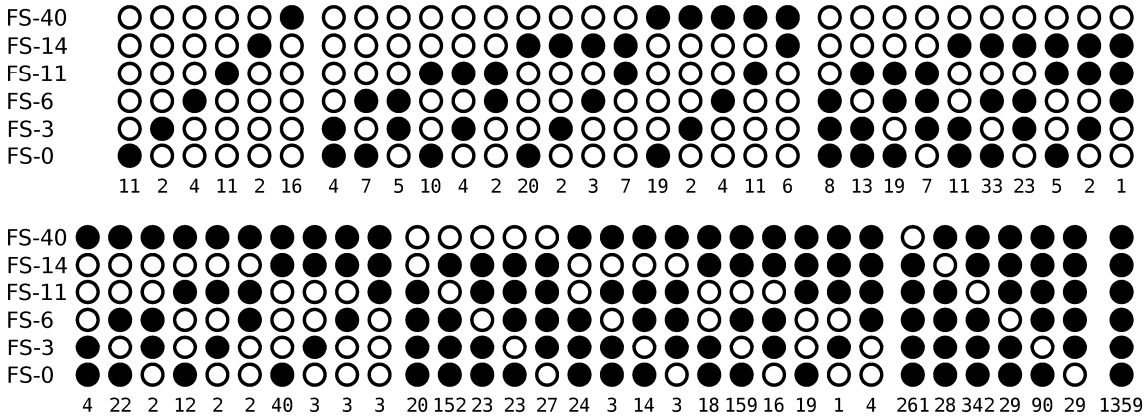
Supplemental figure 7 Correspondence analysis based on the relative proportion of functional categories showing a statistically significant change due to AB treatment.



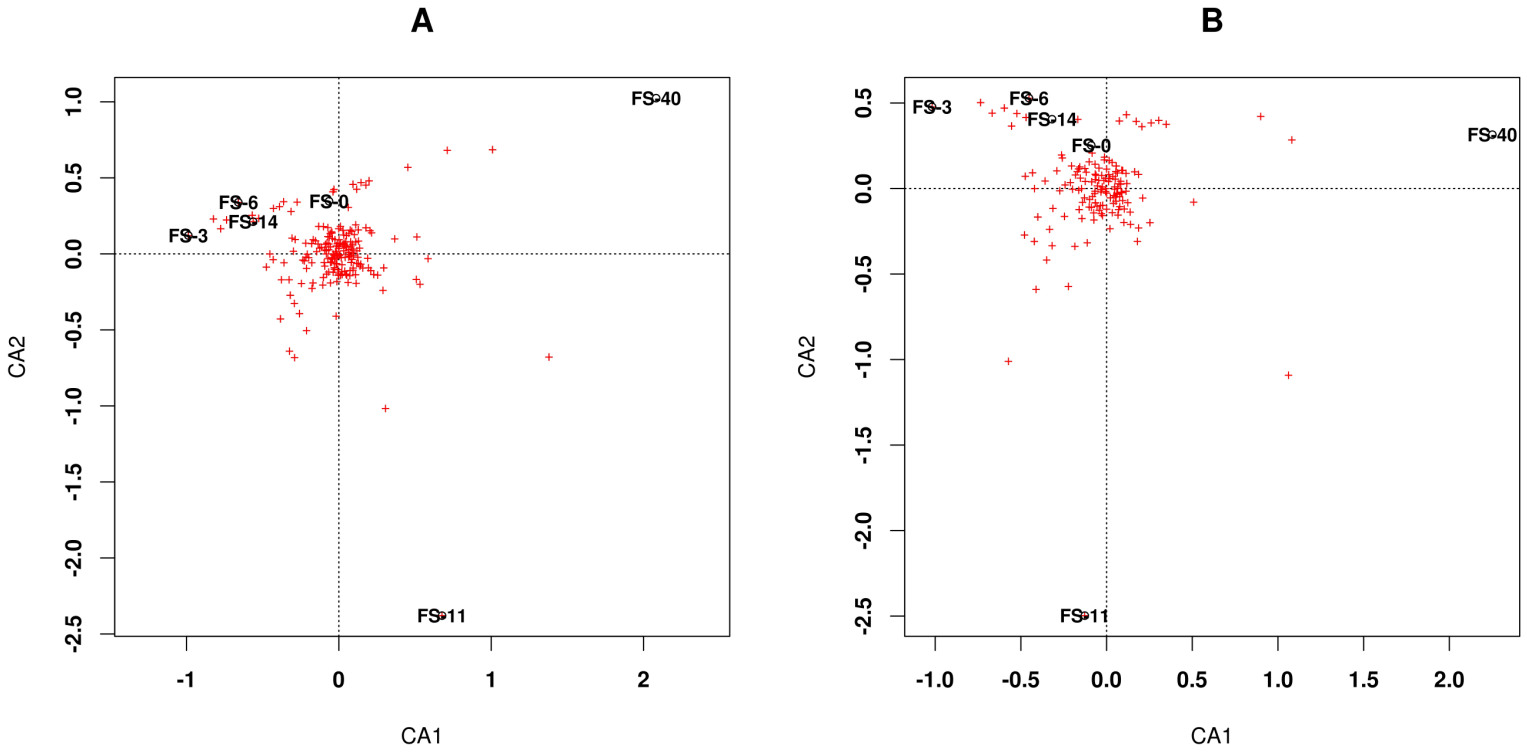
Supplemental figure 8 Distribution of common and distinct mass features identified in the gut communities of the human gut microbiota during and after AB treatment. Clustering was performed with a matrix of the 382 accurate masses representing significant differences from each sample. The number of mass features identified in the corresponding sample(s) is shown at the bottom. The black color indicates the presence of mass features in a given sample, whereas the white color represents the absence of such features. As shown, only 29 of 382 features were identified in all of the gut samples examined in this study, and 8, 9, 6, 14 and 80 were uniquely obtained in the FS-0, FS-6, FS-11, FS-14 and FS-40 samples, respectively



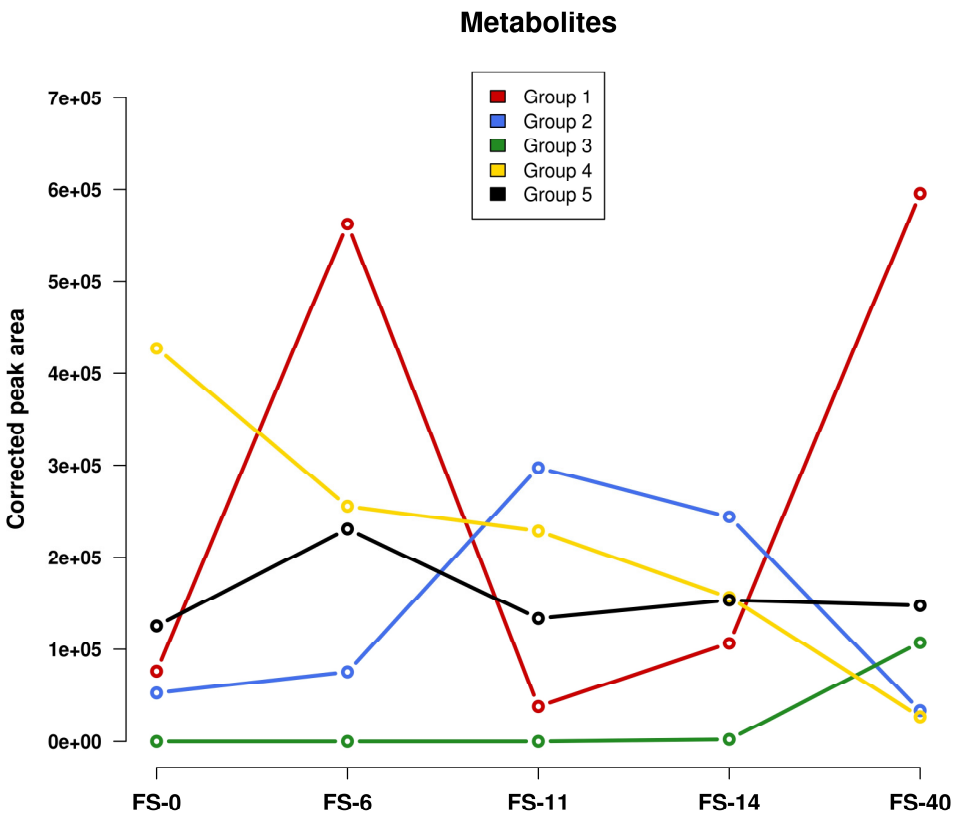
Supplemental figure 9 Number of mass features that passed the filtering and statistical treatments and were found in microbial cells from faecal samples in this study.



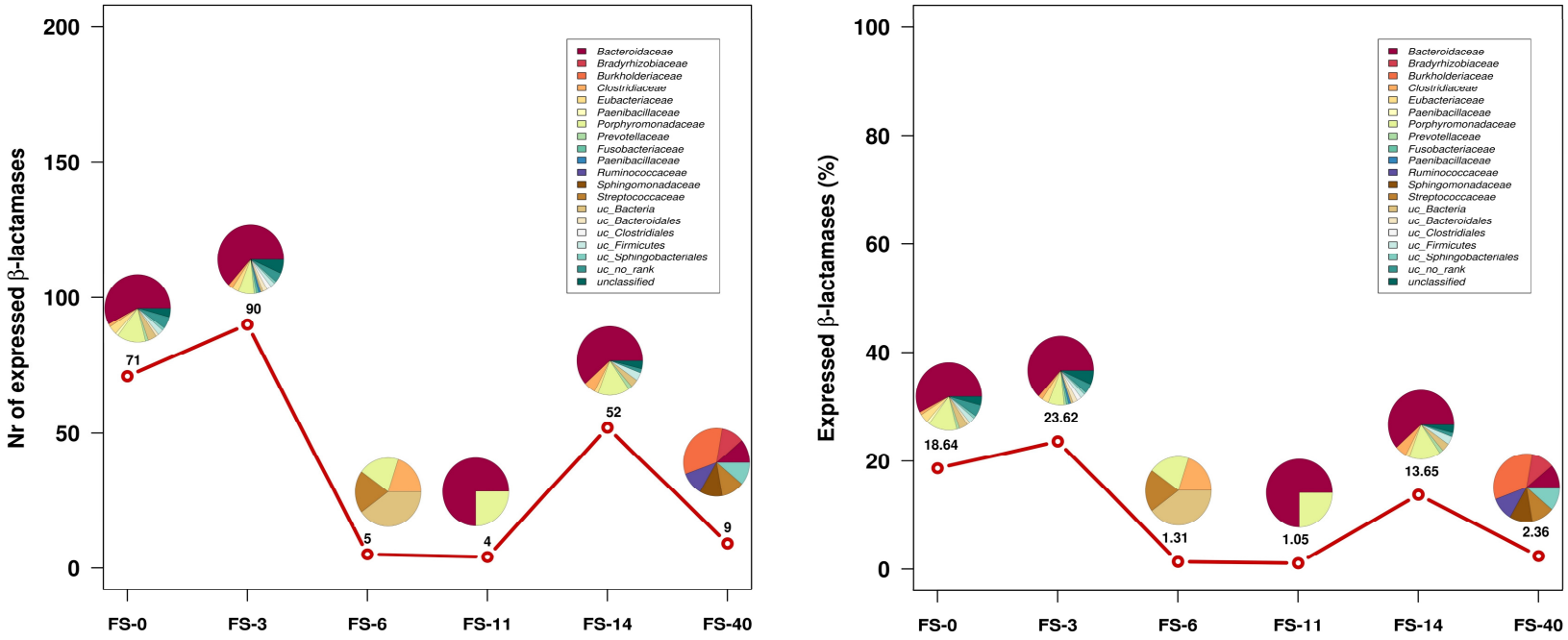
Supplemental figure 10 Distribution of the common and distinct proteins found in the gut communities of the human gut microbiota during AB treatment. Clustering was performed with a matrix of the total protein that has passed the filtering treatment for each sample. The number of proteins identified in the corresponding sample(s) is shown at the bottom. The black color indicates the presence of proteins in a given sample, whereas the white color represents the absence of such proteins. Note: a total of 3,011 proteins (FS-0: 2,802; FS-3: 2,429; FS-6: 2,696; FS-11: 2,044; FS-14; 2,716; and FS-40: 2,289) were unambiguously quantified using GeLC-MS/MS approaches. Only 11 (FS-0), 2 (FS-3), 4 (FS-6), 11 (FS-11), 2 (FS-14) and 16 (FS-40) were community-specific, whereas 1,359 (or 45%) conformed the common set. As shown, 1359 proteins were found to be expressed in all of the gut samples examined in this study.



Supplemental figure 11 Correspondence analysis based on the relative proportion of functional categories exhibiting a statistically significant metaproteome change due to AB treatment. (A) CA for the COG categories where CA1 explains the 33% of the variance and CA2 the 28%. (B) Clustering of the samples based on type and abundance of expressed proteins, applying the Pearson's correlation to calculate the distances.



Supplemental figure 12 Metabolomic-based model of the response of the human gut to antibiotic treatment. Schematic representation of distinct mass feature profiles based on the abundance level in bacterial cells from the faecal samples investigated in this study. Features were grouped based on the metabolite class, and the average corrected intensity values were calculated. Group 1: fatty acids (18), sphingolipids (1), glycerolipids (2), glycerophospholipids – LPA (1), sterol lipids – alkaloid (1); Group 2: fatty acid aldehyde/alcohol (1), sphingolipid (1), glycero(lyso)phospholipids – LysoPE/PA/PC/PE, fatty acid carnitine (2), fatty acid ethanolamide (1); Group 3: fatty acid ethanolamide (1), sterol lipid – D3/bile acid/cholesterol (4), prostaglandin derivative (2), unsaturated fatty acid (1); Group 4: sphingolipid (1), sterol lipid – D3/bile acid/cholesterol (1); Group 5: sterol lipid – corticoid (1). The number of metabolites per class is indicated in brackets.



Supplemental figure 13 Number of genes having close sequence similarity to genes that encode beta-lactamases found in metagenomes of microbial cells from faecal samples in this study that were found to be expressed (mRNAs). Functional assignment of predicted genes encoding beta-lactamases was performed via BLASTP analysis against the NCBI-nr database for similar sequences. All hits with an E-value of less than e^{-05} and sequence homology ≥50% were considered and manually analyzed. As a result, out of 401,555 sequences (FS-0: 83,622; FS-3: 63,159; FS-6: 58,853; FS-11: 19,267; FS-14: 33,288; FS-40: 143,366), 381 distinct beta-lactamase proteins (FS-0: 55 or 0.065% total open reading frames; FS-3: 69 or 0.109%; FS-6: 52 or 0.088%; FS-11: 11 or 0.057%; FS-14: 27 or 0.081%; FS-40: 167 or 0.116%) were identified. Among them 231 distinct genes were found to be expressed in the faecal microbiota (mRNAs) at different levels before, during and after AB treatment. The total number and relative percentage (referred to the total number of expressed beta-lactamases: 231) of expressed genes coding beta-lactamases is shown on the left and right, respectively.