Reviewers' comments:

Reviewer #1 (Remarks to the Author):

Fyhrquist et al. perform a matched 16S rRNA and host transcriptome profiling on AD, psoriasis, and healthy controls at two different skin sites of disease occurrence. Major findings cited confirmed previous reports that Staphylococcus aureus is significantly associated with AD (Kong et al) with depletion of anaerobes (Myles et al), and that a strong microbial signature is lacking in psoriasis. Reassuringly, the transcriptional data is largely consistent with previous reports of AD or psoriasis transcriptomes, and the authors found that the host transcriptome was a stronger predictor of skin disease severity that different microbiome metrics.

We commend the authors on the size of the cohort, the care taken with negative controls and confounders, and a clear and well-presented paper. However, the study itself represents a relatively modest advance for the field, with the major contribution being a correlation analysis with microbial features with host skin transcriptome data. The size of the cohort is an asset and allows the author to break down the AD patients into yes/no S. aureus groups which allows them to further refine transcriptome correlates. Like these previous studies, different classifier methods were used to define host or microbial features characteristic of the disease, with the major advantage again being the size of the study.

A major point of revision would be to include additional covariate analysis for different skin treatments that the patients had undergone prior to the washout period with Dove, and to describe with more detail the different features of the matched? healthy controls. This is because the authors observed that there were likely different community states/microbiome 'types' for AD because some individuals were characterized by a prevalence of S. aureus while others not. Kong et al. reported that intermittent treatment shifts the microbiome towards one with significantly less S. aureus, and it is likely that this could be one of the factors that could explain the variation.

Also, why were OTUs clustered at the 99.3% identity level? Which is fairly atypical and naturally resulted in a very large number of OTUs. There should be some justification of this in the methods, and/or also performed at more conventional levels (e.g., 97%).

Reviewer #2 (Remarks to the Author):

In the paper by Fyhrquist et al., "Microbe-host interplay in atopic dermatitis and psoriasis", the authors assemble a large cohort of cases and controls (over 300 individuals), for which they perform 16S rRNA sequencing and microarray-based analysis of transcriptomes. They find that AD is dominated by S. aureus and immune activation, whereas PSO was associated with assemblages of organisms.

I was able to review the technicality of the manuscript as my expertise is in microbial community analysis and gut microbiomes, though I was able to only touch upon the conclusions regarding changes in the immune system pertaining to skin disease and the originality of the work from someone in the microbiome field, but an outsider to these specific areas.

My biggest issue with the manuscript is that it overall lacked details about the study design, sample collection and most importantly, statistical analyses, which made it both hard to review and also gave the impression that many of these choices were made without sufficient consideration. These include the method of DNA extraction (crucial for comparing across studies), the methods for performing skin swabs (Fig. S1 implies some buffer but none was discussed), whether there were any exclusion criteria, how samples were matched, and what affymetrix plates were used for transcriptomics, to name a few. In terms of statistical analysis, it was unclear why some choices were made—99.3% identity for clustering, how controlling for confounders was done, but also what tests were used (see Figure 1A, a p-value is reported with a vague descriptor of 'nonparametric score', but the text only says 'significantly associated', yet this repeats in multiple results of the paper, and this is unclear whether this is significantly associated with one of the conditions or if multiple are being compared etc.). Similarly, in the transcriptomics section, the only thing that was mentioned was "Differential gene expression analysis" (line 347) rather than the specific method used. There wasn't mention about false-discovery corrections for some analyses, though mentioned for others (i.e. Fig 4), or whether any normalization was performed on gene abundances. Since the devil is in the details for microbiome analyses, this can potentially be a major issue.

My other issue with the manuscript is the novelty of the results. Despite my disclaimer that I don't work entirely in this field, it seems obvious both from quick lit searches and their own statements that there have been a number of studies that have done community analysis of psoriasis and AD and their analysis doesn't particularly add much. The S. aureus-association with AD is not a new finding, and this has been reported on many times. There have also been RNA-seq experiments performed on both AD (Suarez-Farinas et al, 2015 and even a metaanalysis of transcriptome analyses (Ding et al., 2015) and PSO (Li et al., 2014). They find many of the same co-occurences and pathway regulation, even according to their own statements (lines 552, 574). It was hard to decipher whether direct comparison could be made between the two disease cohorts because of the ambiguity of the matching scheme, and also the difference in body sampling sites. I can't comment whether their results significantly improve or change our understand of PSO or AD.

Other issues:

• It was not clear how samples were matched, especially since large differences in gender underlie the Psoriasis and HV cohorts. Similarly, age-related dysbioses have been reported for skin microbiomes which are thought to predispose individuals to AD. This wasn't tested (or mentioned) within this cohort.

• Were there any exclusion criteria? Atopic dermatitis and psoriasis can be treated in many ways, including topical medications (including corticosteroids), oral immunosuppressant therapies, antibiotics, vitamin therapies, and oral steroids as well as immunomodulators. These were never mentioned in the patient recruitment or analysis.

Minor issues:

• Hard to follow what is being plotted in many of the figures. I mentioned Fig. 1A above, but this is the same for Fig 1B. Is this some aggregate of all of the samples, masking inter-personal variability? This is abnormal to group individual compositions into one composite composition.

• The data display was very confusing—like Figure 3B is very confusing—are these genes up or down in these different conditions and the same direction in these different conditions. This was a confusing figure. Figure 3C/D are also confusing visually. Or what are the yellow edges in Fig 4F?

Reviewer #3 (Remarks to the Author):

In this manuscript, the authors conducted 16s rRNA sequencing identification of the skin microbiome of patients with atopic dermatitis and psoriasis as well as host transcriptome characterization using microarrays of skin biopsies at the same sites. They showed that S. aureus is significantly associated with atopic dermatitis and that multiple species, such as Corynebacterium spp and anaerobes are associated with psoriatic skin. They also made classifiers to identify the microbial species that could most differentiate between atopic dermatitis vs normal and psoriasis vs normal skin. They then analyze the host skin transcriptome at these sites.

Many of the findings in this paper confirm previously known studies. The skin microbiome findings for atopic dermatitis reflect what is already known in the literature1,2. Some findings for the psoriatic skin microbiome are also already known, such as the overrepresentation of Streptococcus spp and overabundance of Corynebacterium species (reviewed in 3) although this study has a

different way of presenting the data (Figures 1-2). The approach of defining microbial classifiers of AD and psoriatic skin is novel, but without any mechanistic data to suggest why particular species in the classifier are disease-defining, the finding has less impact. Additionally, even if species within the classifier are not disease-defining but are in fact secondary effects of a particular type of inflammation, without mechanistic data suggesting why AD vs psoriatic inflammation might bias towards one set of bacteria vs another, it is hard to assess the biological significance of the classifier.

The atopic dermatitis transcriptomic data reveal similar pathways as previous skin transcriptome studies4,5 and confirms known involved pathways, such as Th1 and Th2 pathways (Figure 3). The psoriasis transcriptomic data also confirm known involved pathways and prior studies (reviewed in 6,7), such as IL-17 signaling and IFN-g signaling (Figure 3). Although Figures 3-4 were clear and beautiful representations of the data, they did not offer new hypothesis-generating insight into disease pathogenesis.

The main novelty of this study is that skin microbiome and transcriptome data were collected at the same time, to allow for analysis of microbiome-transcriptome correlations. However, in their analysis, the authors did not reveal surprising information. By comparing the transcriptomes in AD samples with high abundance of S. aureus to those with low abundance of S. aureus, the authors found an enrichment of pathways such as "Keratinization" and enrichment in gene expression of IL18, IL1a, TNF, IFNg, and other expected pro-inflammatory cytokines (Figure 4C-D).

The analysis of psoriatic microbiomes to transcriptomes revealed that Corynebacterium spp may be negatively associated with inflammatory pathways in psoriasis (p.17, line 441-461). However, there are no mechanistic studies to suggest that Corynebacterium is protective. Additionally, earlier in the microbiome study, Corynebacterium was shown to be overrepresented in psoriatic lesions, which seems contradictory. Perhaps, some Corynebacterium species are immunoregulatory or help resistance towards more inflammatory bacteria and are therefore protective, whereas other Corynebacterium species are positive associated with psoriasis because they are more pro-inflammatory. This idea would be interesting, but would need additional studies in order to be validated.

There is another finding in the paper that I thought was interesting: abundance of anaerobic bacteria in AD was decreased suggesting that there is increased O2 tension in AD lesions (Figure 1D, discussed in line 555-557). An analysis of metabolic pathways upregulated in disease states was a very successful approach to show that utilization of formate and aerobic respiration by E. coli was increased in gut inflammation(8) and then that blocking this particular microbial metabolic pathway using tungsten could ameliorate colitis(9). Therefore, if the authors were to use metagenomic sequencing instead of 16s rRNA sequencing to look at the microbial metabolic pathways that were changed in disease states and correlate this to host transcriptome signatures, this study would be much more informative and more likely to generate hypotheses for further mechanistic studies. The approach and intent of the study was commendable and as a field, we do need to move toward connecting microbiota changes to host epithelial or immunologic changes. However, the data presented here did not reveal many distinctive positive results. If the authors were to re-focus on some of the more interesting findings highlighted above and develop further mechanistic insight instead of presenting a broad overview of findings without specific hypotheses, this would greatly improve the impact of this study.

References:

1. Byrd, A. L. et al. Staphylococcus aureus and Staphylococcus epidermidis strain diversity underlying pediatric atopic dermatitis. Sci. Transl. Med. 9, eaal4651 (2017).

2. Kong, H. H. et al. Temporal shifts in the skin microbiome associated with disease flares and treatment in children with atopic dermatitis. Genome Res. 22, 850–859 (2012).

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7. Lowes, M. A., Suárez-Fariñas, M. & Krueger, J. G. Immunology of Psoriasis. Annu. Rev. Immunol. 32, 227–255 (2014).

8. Hughes, E. R. et al. Microbial Respiration and Formate Oxidation as Metabolic Signatures of Inflammation-Associated Dysbiosis. Cell Host Microbe 21, 208–219 (2017).

9. Zhu, W. et al. Precision editing of the gut microbiota ameliorates colitis. Nature 553, 208–211 (2018).

Reviewers' comments: Manuscript NCOMMS-18-14978A

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ANSWER: Thank you for reviewing our manuscript and for raising this comment. We would like to point out that next to its size a main novelty of this study is that the cutaneous microbiome and the host's transcriptome data were collected at the same location and time, to allow for analysis of microbe-host-interactions (microbiome-transcriptome correlations). The approach and intent of the study is commendable and as a field, we do need to move towards connecting changes in microbiota to host epithelial or immunologic homeostasis and disease.

We have now revised the manuscript and added/ included:

1. Preliminary data from whole genome sequencing (WGS), to validate 16S based OTU classification and functional predictions based on the 16S marker. The results show close agreement between the two sequencing methods (Fig. 1) and are now included in the manuscript in Fig.S9 and in the text on p.17.



Fig. 1. Validation of 16S-based OTU classification by WGS. Correlation of relative abundance of *S. aureus* between 16S rRNA sequencing and WGS metagenomics. For validation of 16S OTU classification, preliminary data of WGS metagenomic sequencing of 20 randomly selected samples from 10 *S. aureus* 'high' and 10 *S. aureus* 'low' patients were used. The significant correlation (r2=0.919) shows agreement of taxonomic classification between the independent sequencing methods.

2. Mechanistic validation of the observed host-microbe-interactions, including exposure of human 3D epidermal equivalents with viable *S. aureus*, showing the induction of key *S. aureus* signature genes (Fig. 2). The results are now included in the manuscript in Fig S10 and in the text on p. 17.



Fig. 2. Mechanistic validation of host-microbe interactions. **a** Morphological analysis of human epidermal equivalents (HHEs). **b** H&E and **c** immuno-fluorescence staining of microbial colonization of HEEs cultured for 8 days at the air-liquid interface. *S. aureus* bacteria were exposed to the skin equivalent. Arrows indicate visible bacteria on top of the stratum corneum. **d** Keratinocyte response following bacterial stimulation, qPCR measurement of selected *S. aureus* signature genes.

3. In depth analysis of tryptophan (trp) metabolism, where we observed significant upregulation of the kynurenine pathway in the *S. aureus* 'high' cohort, and reconstructed trp breakdown in atopic skin inflammation (Fig. 3a), indicating the accumulation of the metabolite 3-hydroxyanthranilic acid (3-HAA), which is considered an inflammatory mediator. Moreover, the depletion of the essential amino acid, trp, may be a mode of host defense during bacterial colonization. Since certain microbes, including staphylocci, are susceptible to the depletion of trp by the host, we investigated whether such mechanisms are at play in AD, during *S. aureus* overcolonization. First we cultured *S. aureus* strains from the skin of and independent group of AD patients, and carried out trp-dependence screening. The results indicate that 66% of isolated *S. aureus* strains were independent of trp (Fig 3c). Second, while we did not have access to bacterial isolates from the MAARS cohort, we examined preliminary whole-genome shotgun metagenomic sequencing (WGS) data, and found that on average, 73% of samples carried members of the trp gene family (Fig. 3d). These results are now included in the manuscript as Fig. S11, and in the text on p.17-18 and discussed on p. 24-25.



Fig. 3. Inference of functional metagenomic features based on 16S rRNA and whole genome sequencing. a Regulation of the kynureninase pathway of tryptophan degradation on the mRNA level between HV and the S. aureus 'high' cohort. Red arrows: significantly regulated genes, n.s.: not significant. Arrow and font thickness correspond to significance. **b** Contribution of individual OTUs to relevant microbial pathways. The gene content of individual OTUs was inferred using the Greengenes v.13.5 database, and subsequently used to predict enriched microbial pathways in the respective disease groups. Horizontal bars represent the percentage of genes contributed by the most abundant microbes in the dataset. X-axis: sum of relative contributions per sample. Y-axis: contribution across S. aureus 'high' and S. aureus 'low' cohorts, respectively. **c** Culture-based tryptophan dependence assay of 32 S. aureus strains isolated from moderate-to-severe atopic dermatitis patients. Overall, 66% of colonizing S. aureus strains were shown to grow independent of tryptophan in Trp-depleted culture medium. **d** Presence of tryptophan biosynthesis-related gene families in WGS sequencing results of S. aureus 'high' samples. Y axis: relative abundance of UniRef50-defined trp gene families.

4. In order to investigate whether sensitivity to tryptophan depletion is at play in AD during *S. aureus* overcolonization, we sought to identify differences in the metabolic capacity of the microbiome, and generated 16S rRNA-based prediction of the metagenome using the PICRUSt tool (Langille et al., 2013). As a result, we found significantly overrepresented

microbial functions in *S. aureus* 'high' compared to 'low' groups, such as: 'bacterial toxins' (ko02042), 'phosphotransferase system' (ko02060), 'two-component system' (ko02022), among others (Fig3b, Fig.S11b in the manuscript, Fig.4a). It is notable that due to the great difference in beta diversity, the *S. aureus* 'high' cohort represents the bacterial functions of mainly a single species, *S. aureus*, with little contributions from other microbes, while this is contrasted by the functional capacity of a relatively high diversity of microbes in *S. aureus* 'low'. These results are included in the manuscript as Fig. S11b and Fig.S14a, and in the text on p.17, and discussed on p.24.

5. Furthermore, 16S rRNA-based prediction of the metagenome revealed a shift towards glycolysis in the *S. aureus* 'high' associated microbiome (Fig. 4a, Fig.S14a in the manuscript). *S. aureus* is known to impose metabolic stress on keratinocytes, resulting in HIF1alpha signaling in the skin, which in turn promotes the generation of inflammatory cytokines, particularly mature IL-1beta (Wickersham et al., 2017). Indeed, in the S. aureus 'high' samples HIF1a signaling was significantly induced, including HIF1A and HIF1A-dependent genes HK2 and PFKP (Figure 4b, Fig. S14b in the manuscript), and functional analysis predicted IL-1beta as a top upstream regulator, based on the gene expression profiles in the skin (Figure 4d). The results support the notion that metabolic stress, caused by microbial overcolonization as the microorganisms and skin compete for limited oxygen and glucose, drives inflammatory signaling through the induction of HIF1A. These results are included in the manuscript in Fig 14S, and in the text on p. 17 and p. 24-25.



Fig. 4. Prediction of the *S. aureus* metagenome and gene expression in the skin. a Significantly enriched microbial pathways between *S. aureus* 'high' and S. aureus 'low' groups. Gene content of individual OTUs was inferred using the Greengenes v.13.5 database, and subsequently used to predict enriched microbial pathways in the respective disease groups. b Expression of HIF1A and HIF1A dependent genes in the skin in the *S. aureus* 'high' cohort.

Comment 2: A major point of revision would be to include additional covariate analysis for different skin treatments that the patients had undergone prior to the washout period with Dove, and to describe with more detail the different features of the matched? healthy controls. This is because the authors observed that there were likely different community states/microbiome 'types' for AD because some individuals were characterized by a prevalence of S. aureus while others not. Kong et al. reported that intermittent treatment shifts the microbiome towards one with significantly less S. aureus, and it is likely that this could be one of the factors that could explain the variation.

ANSWER: The patients were carefully (with strict inclusion and exclusion criteria) selected for this study, omitting those who used systemic antibiotics within 2 weeks, or systemic immunosuppressive therapy, phototherapy, or systemic biologic agents within the previous 12 weeks prior to screening.

We agree this is an important issue to explore, and suggest including it in subsequent studies/analyses of this patient cohort.

Comment 3: Also, why were OTUs clustered at the 99.3% identity level? Which is fairly atypical and naturally resulted in a very large number of OTUs. There should be some justification of this in the methods, and/or also performed at more conventional levels (eg. 97%).

ANSWER: The traditional 97% threshold proposed in 1994 is conservative and could safely be increased, without a significant risk of wrongly differentiated species. In the V4 region, which is one of the two regions (V3-V4) we use in this study, the threshold can be risen much higher, due to stable variable regions as previously described (Meier-Kolthoff JP et al Arch Microbiol. 2013, doi: 10.1007/s00203-013-0888-4).

Importantly, we have now used preliminary data from whole genome sequencing (WGS), to validate 16S based OTU classification and functional predictions based on the 16S marker. The results show close agreement between the two sequencing methods (see Figure 1 above), and are included in the manuscript on p.17 and in Fig. S9D.

Reviewer #2 (Remarks to the Author):

Comment 1: In the paper by Fyhrquist et al., "Microbe-host interplay in atopic dermatitis and psoriasis", the authors assemble a large cohort of cases and controls (over 300 individuals), for which they perform 16S rRNA sequencing and microarray-based analysis of transcriptomes. They find that AD is dominated by S. aureus and immune activation, whereas PSO was associated with assemblages of organisms.

I was able to review the technicality of the manuscript as my expertise is in microbial community analysis and gut microbiomes, though I was able to only touch upon the conclusions regarding changes in the immune system pertaining to skin disease and the originality of the work from someone in the microbiome field, but an outsider to these specific areas.

My biggest issue with the manuscript is that it overall lacked details about the study design, sample collection and most importantly, statistical analyses, which made it both hard to review and also gave the impression that many of these choices were made without sufficient consideration. These include the method of DNA extraction (crucial for comparing across studies), the methods for performing skin swabs (Fig. S1 implies some buffer but none was discussed), whether there were any exclusion criteria, how samples were matched, and what Affymetrix plates were used for transcriptomics, to name a few. **ANSWER:** This information is available in great detail in the Supplementary material p61-69.

Comment 2: In terms of statistical analysis, it was unclear why some choices were made—99.3% identity for clustering, how controlling for confounders was done, but also what tests were used (see Figure 1A, a p-value is reported with a vague descriptor of 'nonparametric score', but the text only says 'significantly associated', yet this repeats in multiple results of the paper, and this is unclear whether this is significantly associated with one of the conditions or if multiple are being compared etc.).

ANSWER: Concerning 99.3%, please see the answer above.

Confounders were tested and removed as described and illustrated on in the main text on p. 8, in Supplementary material on page 63, last paragraph, in Table S1, and in FigS3C. The analysis of 16S rRNA including the use of statistical tests is described in detail in Supplementary materials, p. 61-64. Differentially abundant OTUs were identified by comparing the abundance distribution of each OTU across the clinical groups (AD, PSO, HV) with the Kruskal-Wallis test (FDR, p-value<0.05). Microbe-disease specific associations were detected testing for the differences in the abundances with the Mann- Whitney U-test (FDR, p-value<0.05).

Comment 3: Similarly, in the transcriptomics section, the only thing that was mentioned was "Differential gene expression analysis (line 347) rather than the specific method used. There wasn't mention about false-discovery corrections for some analyses, though mentioned for others (i.e. Fig 4), or whether any normalization was performed on gene abundances. Since the devil is in the details for microbiome analyses, this can potentially be a major issue.

ANSWER: Affymetrix microarray data were normalized and technical batch effects corrected during preprocessing of the data using state-of-the-art methods, and all critical biological variables were adjusted and tested in the final linear model. Furthermore, Benjamini & Hochberg correction for multiple testing was used throughout the microarray analysis. This information is available in great detail in the Supplementary material p. 65-66.

Comment 4: My other issue with the manuscript is the novelty of the results. Despite my disclaimer that I don't work entirely in this field, it seems obvious both from quick lit searches and their own statements that there have been a number of studies that have done community analysis of psoriasis and AD and their analysis doesn't particularly add much. The S. aureus-association with AD is not a new finding, and this has been reported on many times. There have also been RNA-seq experiments performed on both AD (Suarez-Farinas et al, 2015 and even a metaanalysis of transcriptome analyses (Ding et al., 2015) and PSO (Li et al., 2014). They find many of the same co-occurences and pathway regulation, even according to their own statements (lines 552, 574). It was hard to decipher whether direct comparison could be made between the two disease cohorts because of the ambiguity of the matching scheme, and also the difference in body sampling sites. I can't comment whether their results significantly improve or change our understand of PSO or AD.

ANSWER: We have now added predictions of bacterial pathways, validation of 16S based taxonomy by WGS, functional predictions and mechanistic validations of the observed host-microbe interactions. The analysis brings in several novel aspects of microbe-host-interplay. For more details, please see the answer to reviewer #1 starting on p. 2.

• <u>It was not clear how samples were matched</u>, especially since large differences in gender underlie the Psoriasis and HV cohorts. Similarly, age-related dysbiosis have been reported for skin microbiomes which are thought to predispose individuals to AD. This wasn't tested (or mentioned) within this cohort.

• <u>Were there any exclusion criteria</u>? Atopic dermatitis and psoriasis can be treated in many ways, including topical medications (including corticosteroids), oral immunosuppressant therapies, antibiotics, vitamin therapies, and oral steroids as well as immunomodulators. These were never mentioned in the patient recruitment or analysis.

ANSWER:

<u>Matching of samples</u>: As indicated in Figure S1, the mean ages in the AD, PSO and HV groups are 44.5, 48.8 and 34.9 y, respectively. Women are slightly overrepresented in HV, and men in PSO. To account for these differences, age, gender, anatomical location and clinical center where used as covariates during the extrapolation of differentially expressed genes, and OTUs were corrected for gender, age, anatomical location and clinical center (Table S1). The analysis which combined the transcriptome and the microbiome data, included only individuals which had both types of samples available – a high-quality microbiome sample, and high-quality transcriptome sample.

Exclusion criteria: The exclusion criteria included concomitant autoimmune diseases (e.g. rheumatoid arthritis, diabetes, alopecia areata, etc.) the use of systemic antibiotics within 2 weeks and systemic immunosuppressive therapy or phototherapy or systemic biologic agents within the previous 12 weeks prior to screening. Before skin sampling, the biopsy sites were left untreated for at least 2 weeks and cleansing with only the non- antibacterial Dove soap was allowed and washing was avoided for 24 hours prior to sampling. The patients or healthy volunteers who did not match these clinical exclusion criteria were removed from the study.

This information is available in Supplementary information, p.61.

Minor issues:

Comment 6: - Hard to follow what is being plotted in many of the figures. I mentioned Fig 1A above, but this is the same for Fig 1B. Is this some aggregate of all of the samples, masking interpersonal variability? This is abnormal to group individual compositions into one composite composition.

ANSWER: We generated individual compositions of the skin microbiota and included these in the supplementary information (see Fig. 5 below, included in the manuscript as Fig. S2). However, as this study includes 316 samples, we chose to show average microbial compositions of AD, PSO and HV in main Figure 1B in the manuscript.

Comment 7: - The data display was very confusing—like Figure 3B is very confusing —are these genes up or down in these different conditions and the same direction in these different conditions. This was a confusing figure. Figure 3C/D are also confusing visually. Or what are the yellow edges in Fig 4F?

ANSWER: The yellow hue inside the dark borders in Fig. 3C and 3D indicate significance, in log p-values. The yellow edges without a dark border in Fig. 3D indicate log fold change (LogFC). To simplify Fig. 3, we moved panel D to supplementary materials (Figure S7), and included instead dot plots of key genes in HV, AD and PSO.



Fig. 5. Individual compositions of the skin microbiota in AD lesions, HV normal skin and PSO lesions. The most abundant bacterial groups depicted for HV, AD and PSO based on 16S sequences.

Reviewer #3 (Remarks to the Author):

Comment 1: In this manuscript, the authors conducted 16S rRNA sequencing identification of the skin microbiome of patients with atopic dermatitis and psoriasis as well as host transcriptome characterization using microarrays of skin biopsies at the same sites. They showed that S. aureus is significantly associated with atopic dermatitis and that multiple species, such as Corynebacterium spp and anaerobes are associated with psoriatic skin. They also made classifiers to identify the microbial species that could most differentiate between atopic dermatitis vs normal and psoriasis vs normal skin. They then analyze the host skin transcriptome at these sites.

Many of the findings in this paper confirm previously known studies. The skin microbiome findings for atopic dermatitis reflect what is already known in the literature1,2. Some findings

for the psoriatic skin microbiome are also already known, such as the overrepresentation of Streptococcus spp and overabundance of Corynebacterium species (reviewed in 3) although this study has a different way of presenting the data (Figures 1-2). The approach of defining microbial classifiers of AD and psoriatic skin is novel, but without any mechanistic data to suggest why particular species in the classifier are disease-defining, the finding has less impact. Additionally, even if species within the classifier are not disease-defining but are in fact secondary effects of a particular type of inflammation, without mechanistic data suggesting why AD vs psoriatic inflammation might bias towards one set of bacteria vs another, it is hard to assess the biological significance of the classifier.

ANSWER: The reviewer raised an important question which unfortunately cannot be addressed here, as it would require a whole new study on its own. However, we believe that our by far largest patient material ever reported in the context of the integration of skin microbiome with the host's cutaneous transcriptome - obtained simultaneously from the same individuals and from the same anatomical locations - provides novel information regarding how microbial communities in the skin are involved in the regulation of skin inflammation in AD and PSO.

Comment 2: The atopic dermatitis transcriptomic data reveal similar pathways as previous skin transcriptome studies4,5 and confirms known involved pathways, such as Th1 and Th2 pathways (Figure 3). The psoriasis transcriptomic data also confirm known involved pathways and prior studies (reviewed in 6,7), such as IL-17 signaling and IFN-g signaling (Figure 3). Although Figures 3-4 were clear and beautiful representations of the data, they did not offer new hypothesis-generating insight into disease pathogenesis.

ANSWER: Since the main focus in this paper is on host-microbe-transcriptome interactions, the transcriptomics data *per se* serves mainly as proof of concept.

Comment 3: The main novelty of this study is that skin microbiome and transcriptome data were collected at the same time, to allow for analysis of microbiome-transcriptome correlations. However, in their analysis, the authors did not reveal surprising information. By comparing the transcriptomes in AD samples with high abundance of S. aureus to those with low abundance of S. aureus, the authors found an enrichment of pathways such as "Keratinization" and enrichment in gene expression of IL18, IL1a, TNF, IFNg, and other expected pro- inflammatory cytokines (Figure 4C-D).

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There is another finding in the paper that I thought was interesting : abundance of anaerobic bacteria in AD was decreased suggesting that there is increased O2 tension in AD lesions. (Figure 1D, discussed in line 555-557). An analysis of metabolic pathways upregulated in disease states was a very successful approach to show that utilization of formate and aerobic respiration by E. coli was increased in gut inflammation(8) and then that blocking this particular microbial metabolic pathway using tungsten could ameliorate colitis (9). Therefore, if the authors were to use metagenomic sequencing instead of 16s rRNA sequencing to look at the

microbial metabolic pathways that were changed in disease states and correlate this to host transcriptome signatures, this study would be much more informative and more likely to generate hypotheses for further mechanistic studies.

ANSWER: We thank reviewer for this interesting viewpoint. We address now the loss of anaerobes by citing work by Zeeuwen et al (2017) in the manuscript, who introduce a hypothesis regarding the ability of gram-positive anaerobe cocci to induce high levels of antimicrobial peptides in human keratinocytes, thereby strengthening the skin barrier. A complete or partial absence of these organisms, may therefore potentially favor colonization by *S. aureus*. Moreover, we observe metabolic shifts in the AD-associated microbiome (Figures 3-4), generating hypotheses for further mechanistic studies. For further details regarding these, please see above our response to reviewer #1, p. 2.

Comment 4: The approach and intent of the study was commendable and as a field, we do need to move toward connecting microbiota changes to host epithelial or immunologic changes. However, the data presented here did not reveal many distinctive positive results. If the authors were to re-focus on some of the more interesting findings highlighted above and develop further mechanistic insight instead of presenting a broad overview of findings without specific hypotheses, this would greatly improve the impact of this study.

ANSWER: We believe that we report here the by far largest patient material ever in the context of integrating the skin microbiome with the host's cutaneous transcriptome in AD and PSO – sampled simultaneously in the same individuals and anatomical locations. Making use of this exceptional resource, we present an overview of our observations, together with novel insights gained from observed correlations between the skin microbiota and host physiology. We have now added validations of 16S based taxonomy by whole genome sequencing (WGS), functional predictions based on the 16S markers, as well as functional insight based on WGS preliminary data. Moreover, we bring in mechanistic validation of the observed host-microbe interactions. Henceforth, this great resource will provide an exceptional asset for continued studies, digging deeper into the interplay between microbial communities in the skin and the regulation of atopic and psoriatic skin inflammation.

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Reviewers' comments:

Reviewer #1 (Remarks to the Author):

The manuscript has improved, but my impression remains that the value of this manuscript is not from new biological insights, but rather from the size of the dataset investigating simultaneously the microbiome (metagenome) and transcriptome, albeit the microbiome analysis is conducted at the 16S level where metagenomic data would have been desirable. It remains, as I previously noted, a clean, high quality, and well-written study, nonetheless.

One of the potential additional findings of the paper - the link between trp depletion and AD skin response has also been studied (most recently in Dec 2019 the decrease in trp/trp-related metabolites in AD skin was recently published - "A tryptophan metabolite of the skin microbiota attenuates inflammation in atopic dermatitis via the aryl hydrocarbon receptor" that needs to be cited).

The authors did attempt to provide additional data by sequencing 20 of their samples using shotgun metagenomics - how many millions of reads? How many after removal of human DNA? This is important to evaluate the potential depth and whether the trp pathway is actually present or absent. Was trp pathway analysis presence/absence, or can you say something about the relative abundance of the occurrence of the pathway. More generally, the use of PiCrust for strain-specific phenotypes (trp auxotrophy in a portion of strains) is not advised, as in this case, as it can lead to misleading inferences.

I maintain that looking at previous treatment as confounders is important given the high/low S. aureus categorization and previous literature on this point. This is a relatively straightforward analysis and there is not really a good reason that it has to be pushed to a second manuscript.

I am not convinced about the rebutting argument to use the 99.4% similarity by looking at the correlation in relative abundance of S. aureus. Basically that figure says that the classifications of S. aureus are OK (which I agree with), but it remains that the number of OTUs identified is highly inflated. Because the bulk of the analysis doesn't use the data at the OTU level, there is really no value to using this threshold that yields all these OTUs, and I would be sure that many of them are sequencing/technical/artifacts. Phylotyping would be largely fine given the point of the paper. While this is a technical point, it is a trivial one to correct towards a more conservative estimate of microbial diversity.

Reviewer #2 (Remarks to the Author):

I am satisfied with the additional data, information and conclusions in this revised manuscript. The focus on the tryptophan metabolism and the anaerobe discussion improves the unique conclusions of the paper. The inclusion of the metagenomic data is good, although since the PiCRUST stuff is still in there, the authors should show more validation, i.e. check to see if the genes they find in the PiCRUST analysis also correlate in these samples. Even 10 samples of each S. aureus high and low cohort, would be nice validation to show. The additional experimental detail is good. I would recommend making sure that the number of samples and the statistical tests used are in the figures. It takes a lot of searching to find this data and makes it hard to interpret at first glance. Another small comment—what immunofluorescence was used in Fig S10C—is the antibody specific to S. aureus? (It looks like it could just be DAPI?) I don't think details on the microscopy were included.

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- In Figure S11C, Table S4, they found that 66% of isolated S. aureus strains grew independently of tryptophan, and I think they are implying that this microbial trait was selected for by decreased host availability of tryptophan due to increased tryptophan metabolism. However, I

don't see in Figures S11C-D a comparison to S. aureus "low" AD samples. What if 66% of skinassociated S. aureus strains in AD are generally tryptophan-independent, whether or not they exist in a "high S. aureus" or "low S. aureus" microbial environment?

Additionally, the results regarding upregulated microbial pathways is based on inference from their 16s rRNA sequencing data using PICRUSt. My understanding is that this inference is only as good as the database of sequenced microbial genomes and the ability to match the sequenced strain genomes to the 16s rRNA sequence-generated OTU. Given that different strains of the same skin-colonizing bacterial species can have highly variable behavior in terms of virulence and immune stimulation, that a great number of skin bacterial strains are not sequenced (even if some members of the species have been sequenced), and that 16s rRNA sequencing cannot fully resolve strain-specific differences, how can the authors feel confident in their metagenomic inferences?

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Responses to the reviewers' comments:

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Was trp pathway analysis presence/absence, or can you say something about the relative abundance of the occurrence of the pathway. More generally, the use of PiCrust for strain-specific phenotypes (trp auxotrophy in a portion of strains) is not advised, as in this case, as it can lead to misleading inferences.

The authors did attempt to provide additional data by sequencing 20 of their samples using shotgun metagenomics - how many millions of reads? How many after removal of human DNA? This is important to evaluate the potential depth and whether the trp pathway is actually present or absent.

Answer: The authors thank the reviewer for referring to the recent study by Yu *et al.* In the revised manuscript, we have now cited the study, please see page 26, lines 698-700. Although in the present work we did not investigate trp metabolites, we maintain that the simultaneous high-throughput characterization of trp metabolism genes in the host transcriptome and microbiome provides novel insights.

Detailed information on sequencing read counts for human and microbial DNA is provided in Table 1 of our point-by-point (please see below). Shotgun metagenomic libraries contained between 2-18.5% microbial DNA while read counts ranged from 0.15-5.5 million and were comparable to those achieved in recent large-scale microbiome studies by Chng *et al* or Tett *et al* ^{1,2}. Thus, taking into account the quality of WGS libraries, together with the additional information of independent culture-based Trp-dependence assays (Figure S12b), the authors feel confident in their WGS validation presented in Figure S12c in the manuscript. However, we agree that the role of Trp metabolites in host-microbial interactions in AD is an important issue to further explore in subsequent studies.

Sample ID	Million reads sequenced	Filtered reads	Percentage microbiome
MB1	26.05	725865	2.79
MB2	78.64	2086180	2.65
MB3	54.77	2772356	5.06
MB4	33.03	2373752	7.19
MB5	43.94	1728968	3.93
MB6	29.11	5390992	18.52
MB7	19.94	1354057	6.79
MB8	10.31	208857	2.03
MB9	31.43	2161375	6.88
MB10	18.9	807488	4.27
MB11	52.6	4442216	8.45
MB12	4.51	149775	3.32
MB13	9.38	1053178	11.23
MB14	21.55	823947	3.82
MB15	52.28	1323858	2.53
MB16	30.4	1795493	5.91
MB17	28.23	960793	3.40
MB18	34.17	1408536	4.12
MB19	0.86	136668	15.89
MB20	32.56	2887738	8.87
A	20 622	1720004.0	C 20
Average	30.633	1729604.6	6.38

Table 1. Sequence reads before and after removing human DNA.

2. I maintain that looking at previous treatment as confounders is important given the high/low *S*. aureus categorization and previous literature on this point. This is a relatively straightforward analysis and there is not really a good reason that it has to be pushed to a second manuscript.

Answer: We analyzed the potential effect of treatments according to the reviewer suggestions, as shown in Table 2 or our point-by-point reply (please see TABLE 2 at the end of this document). Analysis was carried out in the same manner as confounding factor analysis for age, gender, sampling institution and body site, applying Wilcoxon rank-sum test followed by Benjamini-Hochberg multiple testing correction. We have found no significant associations between treatments and the top 95 most abundant microbiota in atopic dermatitis. In the case of psoriasis, a single *Acinetobacter* OTU showed an association (p=0.019) with topical coal tar treatment. Topical coal tar treatment was only used in a small subset within the psoriasis cohort (n=24). The specific *Acinetobacter* OTU did not demonstrate any significant associations with the host transcriptome and was not used or referenced in any analyses of the present study. Hence we decided not to include this information into the revised manuscript.

3. I am not convinced about the rebutting argument to use the 99.4% similarity by looking at the correlation in relative abundance of *S*. aureus. Basically that figure says that the classifications of *S*. aureus are OK (which I agree with), but it remains that the number of OTUs identified is highly inflated. Because the bulk of the analysis doesn't use the data at the OTU level, there is really no value to using this threshold that yields all these OTUs, and I would be sure that many of them are sequencing/technical/artifacts. Phylotyping would be largely fine given the point of the paper. While this is a technical point, it is a trivial one to correct towards a more conservative estimate of microbial diversity.

Answer: We appreciate this concern and we appreciate that the reviewer agrees that the OTU classifications are correct using the higher cutoff. We agree though, that the OTU number we have reported is unnecessarily high as a result. After careful analysis, we have found that the

high number is mainly caused by the generation of a large number of very low-abundance OTUs in our data set, partly caused by the high similarity cutoff. We have therefore solved the problem by filtering out OTUs that have less than 15 reads in the entire dataset. This resulted in a total of **3342 OTUs** instead of the 17k we reported previously. This gives a more accurate representation of the data.

Reviewer #2 (Remarks to the Author):

1. I am satisfied with the additional data, information and conclusions in this revised manuscript. The focus on the tryptophan metabolism and the anaerobe discussion improves the unique conclusions of the paper. The inclusion of the metagenomic data is good, although since the PiCRUST stuff is still in there, the authors should show more validation, i.e. check to see if the genes they find in the PiCRUST analysis also correlate in these samples. Even 10 samples of each S. aureus high and low cohort, would be nice validation to show.

Answer: We have analyzed relevant genes as suggested by the Reviewer, validating PiCRUST predictions (Fig. 1, Fig. S8 in the manuscript).



Fig. 1 Prediction and validation of the *S. aureus* **metagenome**. a Significantly differentially enriched microbial pathways between *S. aureus* 'high' (n=27) and 'low' (n=25) groups. Gene content of individual OTUs was inferred using the Greengenes v.13.5 database, and subsequently used to predict enriched microbial pathways in the respective disease groups. b Abundance of relevant genes by WGS. **c** Contribution of individual OTUs to relevant microbial pathways. The gene content of individual OTUs was inferred using the Greengenes v.13.5 database, and subsequently used to predict enriched microbial pathways. The gene content of individual OTUs was inferred using the Greengenes v.13.5 database, and subsequently used to predict enriched microbial pathways in the respective disease groups. Horizontal bars represent the percentage of genes contributed by the most abundant microbes in the dataset. X-axis: sum of relative contributions per sample. Y-axis: contribution across *S. aureus* 'high' and *S. aureus* 'low' samples, respectively.

2. The additional experimental detail is good. I would recommend making sure that the number of samples and the statistical tests used are in the figures. It takes a lot of searching to find this data and makes it hard to interpret at first glance.

Answer: The details have been added.

3. Another small comment—what immunofluorescence was used in Fig S10C—is the antibody specific to S. aureus? (It looks like it could just be DAPI?) I don't think details on the microscopy were included.

Answer: In this experiment, a single *S. aureus* strain (ATCC 29213) was applied onto sterile 3D human epidermal equivalents. We indeed use DAPI (DAPI Fluoromount-G, Southern Biotech) to detect all DNA in the sample, hence the staining of both human DNA (keratinocyte nuclei) and the bacterial DNA on top of the stratum corneum. This staining allows for a visualization of the bacteria to determine the distribution of bacteria topically applied, but does not specifically discriminate bacterial species. Since we in this case applied a single bacterial strain, the DAPI stain herein used is sufficient to discriminate the bacteria in the 3D culture model.

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- Line 459 – may have a fragment of a sentence or a misplaced comma.

- Line 460-463 – I don't understand how enrichment of microbial pathways like "Phosphotransferase system" etc relate to tryptophan metabolism, which is what this paragraph seems to be mainly about.

Answer: The authors thank the reviewer for this suggestion. The section has been rewritten. Please see page 18, lines 461-470, and page 26-27, lines 696-717. Figures S8 and S12 have been revised accordingly and rearranged for a clearer presentation of the referenced data.

2. In Figure S11C, Table S4, they found that 66% of isolated S. aureus strains grew independently of tryptophan, and I think they are implying that this microbial trait was selected for by decreased host availability of tryptophan due to increased tryptophan metabolism. However, I don't see in Figures S11C-D a comparison to S. aureus "low" AD samples. What if 66% of skin-associated S. aureus strains in AD are generally tryptophan-independent, whether or not they exist in a "high S. aureus" or "low S. aureus" microbial environment?

Answer: In *S. aureus* 'low' samples, the pathogen is indeed absent, or present at extremely low abundance. Hence, isolation of *S. aureus* strains from these patients is not possible and the coverage of metagenomic shotgun sequencing for the species is also too shallow to identify *S. aureus*-specific Trp gene sequences with the necessary confidence. Trp-dependence assays were performed in *S. aureus* strains isolated from an independent AD collective and findings were confirmed by whole-genome metagenomic sequencing in the MAARS *S. aureus* 'high' cohort. On the other hand, assessment of the general independence of *S. aureus* strains from Trp requires analysis and data collection beyond the scope of our present study.

However, the hypothesis that the particular means of host defense by Trp depletion is ineffective against the majority of skin colonizing *S. aureus* strains in the *S. aureus* 'high' group is not affected by these limitations.

3. Additionally, the results regarding upregulated microbial pathways is based on inference from their 16s rRNA sequencing data using PICRUSt. My understanding is that this inference is only as good as the database of sequenced microbial genomes and the ability to match the sequenced strain genomes to the 16s rRNA sequence-generated OTU. Given that different strains of the same skin-colonizing bacterial species can have highly variable behavior in terms of virulence and immune stimulation, that a great number of skin bacterial strains are not sequenced (even if some members of the species have been sequenced), and that 16s rRNA sequencing cannot fully resolve strain-specific differences, how can the authors feel confident in their metagenomic inferences?

Answer: Although a significant limitation of prediction methods is, naturally, the missing information on yet unsequenced bacterial strains, the extended ancestral state-reconstruction algorithm developed for PICRUSt has produced up to r=0.8-0.9 correlation with WGS datasets ³. As our present study focused on a condition dominated by a single, well-studied and well-annotated species, we aimed to gain preliminary insight into the mechanisms of *S. aureus* colonization using the PICRUSt method. Furthermore, we have provided experimental validation of microbial genes predicted to show significantly higher abundance in *S. aureus*-high compared to *S. aureus*-low samples, using preliminary data from 10 whole-genome shotgun sequencing samples of each group. Our validation dataset shows a strikingly high concordance with the findings of 16S rRNA gene-based predictions.

4. I do think, on page 25, the authors present an interesting idea. That is, the host attempt to limit available tryptophan as a defense mechanism against higher S. aureus colonization may then cause increased metabolites (such as 3-HAA), which are pro-inflammatory. It is then interesting to wonder if such metabolites like 3-HAA continue to help the host maintain a defensive immune barrier or if they backfire and feed into AD pathology. It is also interesting to wonder if the host defense mechanism of limiting tryptophan is unable to repress S. aureus colonization but does in fact repress colonization by benign commensal bacteria, and thus also inadvertently creates more dysbiosis. I wonder if the novelty of these points could be better expressed if the authors condensed lines 658-673 (which seem to mainly restate the results) and highlighted the implications of their data more.

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References

- 1 Chng, K. R. *et al.* Whole metagenome profiling reveals skin microbiome-dependent susceptibility to atopic dermatitis flare. *Nat Microbiol* **1**, 16106, doi:10.1038/nmicrobiol.2016.106 (2016).
- 2 Tett, A. *et al.* Unexplored diversity and strain-level structure of the skin microbiome associated with psoriasis. *NPJ Biofilms Microbiomes* **3**, 14, doi:10.1038/s41522-017-0022-5 (2017).
- 3 Langille, M. G. *et al.* Predictive functional profiling of microbial communities using 16S rRNA marker gene sequences. *Nat Biotechnol* **31**, 814-821, doi:10.1038/nbt.2676 (2013).

TABLE 2. Analysis of the effect of medical treatments on the microbial diversity analyses.

		AD	
Wilcoxon rank- sum test statistic	P.adjusted	Treatment	οτυ
438	0.14435989	Phototherapy	OTU4422405
483	0.27270111	Topical calcineurininhibitors	OTU1004369
560.5	0.32639065	Topicalcalcineurininhibitors	OTU3841245
543	0.32639065	Topicalcalcineurininhibitors	OTU4411187
555	0.33906797	Phototherapy	OTU4411187
459.5	0.56347641	SystemicCorticosteroids	OTU4446521
554	0.59970951	Phototherapy	OTU1004369
635	0.59970951	Phototherapy	OTU4348347
615.5	0.59970951	Topical calcineurininhibitors	OTU4408996
589.5	0.59970951	Topical calcineurininhibitors	OTU4446521
583	0.59970951	Topical calcineurininhibitors	OTU912997
527	0.59970951	SystemicCorticosteroids	OTU4439089
264	0.59970951	Antibiotics	OTU378096
223	0.59970951	Antibiotics	OTU4440643
214	0.60647265	LocalCorticosteroids	OTU4346894
214	0.60647265	LocalCorticosteroids	OTU4346894
646	0.60647265	Phototherapy	OTU2110555
627	0.60647265	Phototherapy	OTU3841245
632.5	0.60647265	Topical calcineurininhibitors	OTU25478
1061.5	0.60647265	Topical calcineurininhibitors	OTU4482598
473	0.60647265	SystemicCorticosteroids	OTU4349859
301	0.60647265	Cyclosporin	OTU4294554
270.5	0.60647265	Cyclosporin	OTU4476950
299	0.60647265	Cyclosporin	OTU565753
252.5	0.60647265	Antibiotics	OTU940083
1015.5	0.70370445	fopicalcalcineurininhibitors	OTU3208510
259	0.70370445	Antibiotics	010/55148
256	0.75101766	LocalCorticosteroids	0104411187
256	0.75101766	LocalCorticosteroids	0104411187
629	0.75101766	lopicalcalcineurininhibitors	0101131523
637	0.75101766	lopicalcalcineurininhibitors	010403853
661	0.75101766	lopicalcalcineurininhibitors	0104309323
611	0.75101766	lopicalcalcineurininhibitors	0104346894
650	0.75101766	lopicalcalcineurininhibitors	0104474056
996	0.75101766	Topicalcalcineurininhibitors	010819937
607	0.75101766	Topicalcalcineurininhibitors	010837884
280	0.75101766	Cyclosporin	0101036883
302	0.75101766	Cyclosporin	0104303697
265	0.75101766	Antibiotics	OTU1091272
205	0.75101766	Antibiotics	OTU1131523
296	0.75101766	Antibiotics	0101131523
64	0.75101766	Methotrevate	0104234334
62	0.75101766	Methotrexate	0104021555
63	0.75101766	Methotrexate	0104254554
294.5	0.75972604	Cyclosporin	OTU4299324
305	0.75972604	Cyclosporin	OTU625320
281	0.81474028	LocalCorticosteroids	OTU1004369
304	0.81474028	LocalCorticosteroids	OTU2901965
284	0.81474028	LocalCorticosteroids	OTU403853
299	0.81474028	LocalCorticosteroids	OTU4309323
280.5	0.81474028	LocalCorticosteroids	OTU4317476
260	0.81474028	LocalCorticosteroids	OTU4422405
267	0.81474028	LocalCorticosteroids	OTU4456068
276	0.81474028	LocalCorticosteroids	OTU837884
297	0.81474028	LocalCorticosteroids	OTU851917
281	0.81474028	LocalCorticosteroids	OTU1004369
304	0.81474028	LocalCorticosteroids	OTU2901965
284	0.81474028	LocalCorticosteroids	010403853
299	0.81474028	LocalCorticosteroids	0TU4309323
280.5	0.81474028	LocalCorticosteroids	0104317476
260	0.814/4028	LocalCorticosteroids	0104422405
267	0.814/4028	LocalCorticosteroids	0104456068
2/6	0.814/4028	LocalCorticosteroids	010837884
297	0.81474028	Destate	010851917
970.5	0.81474028	Phototherapy	0101003210
702	0.014/4028	Phototherapy	01025259
703	0.014/4028	Phototherapy	0105301302
697.5	0.014/4028	Photothorapy	010300483
950	0.81474028	Photothorapy	0104299524
636.5	0.81474028	Phototherapy	OTU430340
60/	0.81474020	Phototherapy	OTU4349839
698.5	0.81474020	Photothorapy	0104334803
673.5	0.81474028	Phototherapy	0TU4446521
662.5	0.81474028	Phototherapy	OTU4456068
689.5	0.81474028	Phototherapy	OTU4467218
		· ····································	0.0.107210

		PSO	
Wilcoxon rank- sum test statistic	P.adjusted	Treatment	στυ
1697	0.01960517	TAR.topical.	OTU4021335
1796	0.09405471	LocalCorticosteroids	OTU4456068
819	0.25029678	LocalCorticosteroids	OTU820692
2280,05,01	0.25029678	VitaminDanalogs	0104411187
1702.5	0.23239933	LocalCorticosteroids	0104482398
716	0.27002811	LocalCorticosteroids	OTU837884
1542	0.3601251	Methotrexate	OTU496787
1573	0.3601251	LocalCorticosteroids	OTU4411187
936	0.3601251	Fumaricacid	OTU282360
2309	0.3601251	VitaminDanalogs	OTU4422405
1526	0.3601251	TAR.topical.	OTU279980
1470.5	0.3601251	TAR.topical.	0104348347
743.5	0.3601251	Cyclosporin	OTU4476950
1379	0.40496133	VitaminDanalogs	OTU820692
1116	0.40496133	Dithranol.minute	OTU4468125
1057	0.40496133	Dithranol.minute	OTU883806
1524	0.41132963	TAR.topical.	OTU1036883
1518.5	0.55130905	TAR.topical.	OTU4047452
1098	0.65/22026	Dithranol.minute	OTU4309323
888	0.65432936	TAR.topical.	OTU3841245
1142	0.66960777	Dithranol.minute	OTU4456068
672	0.67189545	Retinoids	OTU4408996
1369	0.67189545	Methotrexate	OTU987144
589.5	0.67189545	Topicalcalcineurininhibitors	OTU4369229
203	0.67189545	Topicalcalcineurininhibitors	OTU4422718
196	0.67189545	Topicalcalcineurininhibitors	010851917
420	0.67189545	VitaminDanalogs	0104411187
2162	0.67189545	VitaminDanalogs	OTU851917
2212	0.67189545	VitaminDanalogs	OTU912997
1442.5	0.67189545	TAR.topical.	OTU103810
804	0.67189545	Photochemotherapy	OTU4408996
696.5	0.67189545	Cyclosporin	OTU4309323
1094	0.67189545	Dithranol.minute	OTU4021335
206.5	0.70787186	Photothorapy	010360483
783.5	0.73211584	Photochemotherapy	OTU4301457
557	0.78626063	Dithranol.minute	OTU20360
564.5	0.78626063	Dithranol.minute	OTU4349519
1536	0.79423233	LocalCorticosteroids	OTU4369229
584	0.79423233	Topicalcalcineurininhibitors	OTU4480063
549	0.83709956	Topical calcineurininhibitors	OTU4350124
1463	0.83709956	TAR topical	010285376
346.5	0.86593812	SystemicCorticosteroids	0104340034
703	0.86795704	Cyclosporin	OTU995817
868	0.87688108	Fumaricacid	OTU4440643
1527.5	0.89311589	LocalCorticosteroids	OTU4480063
114	0.89311589	Antibiotics	OTU987144
416	0.90423024	Fumaricacid Dithranol minuto	0104354809
841	0.91128500	Methotrexate	OTU279980
221	0.91128509	Topicalcalcineurininhibitors	OTU4474056
757	0.91605862	Retinoids	OTU1107940
756.5	0.91605862	Retinoids	OTU13445
1174	0.91605862	Retinoids	OTU205025
687.5	0.91605862	Retinoids	OTU4301457
1219	0.91605862	Retinoids	0104349859
1210.5	0.91605862	Retinoids	OTU837884
1157	0.91605862	Retinoids	OTU851925
745	0.91605862	Retinoids	OTU912906
1326.5	0.91605862	Methotrexate	OTU247720
1375	0.91605862	Methotrexate	OTU282360
1344	0.91605862	Methotrexate	010625320
9/0 5	0.91605862	Internotrexate	OTU1003310
920	0.91605862	LocalCorticosteroids	OTU1081372
949.5	0.91605862	LocalCorticosteroids	OTU282360
969	0.91605862	LocalCorticosteroids	OTU4294554
916.5	0.91605862	LocalCorticosteroids	OTU505749
536	0.91605862	Topical calcineurininhibitors	OTU1036883
250	0.91605862	Topicalcalcineurininhibitors	OTU370134
531	0.91605862	Iopical calcineurininhibitors	OTU4021335

715	0.81474028	Phototherapy	OTU4473201	1	545	0.91605862	Topicalcalcineurininhibitors	OTU4449324
677	0.81474028	Phototherapy	OTU4480063	1	248.5	0.91605862	Topical calcineurininhibitors	OTU761594
670.5	0.81474028	Phototherapy	OTU496787	1	522	0.91605862	Topicalcalcineurininhibitors	OTU912906
693	0.81474028	Phototherapy	OTU511475	1	845.5	0.91605862	Fumaricacid	OTU285376
951	0.81474028	Topicalcalcineurininhibitors	OTU164003	1	800	0.91605862	Fumaricacid	OTU4294554
669.5	0.81474028	Topicalcalcineurininhibitors	OTU20360	1	459	0.91605862	Fumaricacid	OTU4306540
738	0.81474028	Topicalcalcineurininhibitors	OTU4294554	1	110	0.91605862	Antibiotics	OTU205025
706	0.81474028	Topicalcalcineurininhibitors	OTU4299324	1	118	0.91605862	Antibiotics	OTU360483
704.5	0.81474028	Topicalcalcineurininhibitors	OTU4318084	1	117	0.91605862	Antibiotics	OTU4021335
690	0.81474028	Topicalcalcineurininhibitors	OTU4349519	1	2110.05.01	0.91605862	VitaminDanalogs	OTU164003
650.5	0.81474028	Topicalcalcineurininhibitors	OTU4349859	1	2005	0.91605862	VitaminDanalogs	OTU3841245
980	0.81474028	Topicalcalcineurininhibitors	OTU4353642	1	1449	0.91605862	VitaminDanalogs	011/4301457
980	0.81474028	Topicalcalcineurininhibitors	OTU4421536	1	2083	0.91605862	VitaminDanalogs	011/4349519
636	0.81474028	Topicalcalcineurininhibitors	OTU4422405	1	2081	0.91605862	VitaminDanalogs	OTU4446521
946	0.81474028	Topicalcalcineurininhibitors	OTU505749	1	1442	0.91605862	VitaminDanalogs	01114482598
695	0.81474028	Topicalcalcineurininhibitors	010503745	1	1411	0.91605862		0104402536
704.5	0.81474028	Topical calcineurininhibitors	010311473	1	990	0.91605862	TAR topical	0104421330
680	0.81474028	Topical calcineurininhibitors	010340083	1	1227 5	0.91605862	Photochomothorapy	010023320
575	0.81474028	SystemicCorticostoroids	010333817	1	13/2	0.91605862	Photochemotherapy	010114333
821	0.81474028	SystemicCorticosteroids	0101131323	1	1342	0.91605862	Photochemotherapy	0104527200
8/1	0.81474028	SystemicCorticosteroids	01014270	1	120	0.91605862	SystemicCorticosteroids	010031017
564	0.81474028	SystemicCorticosteroids	010203023	1	08	0.91605862	SystemicCorticosteroids	0101005210
927	0.81474028	SystemicConticosteroids	0103841243	1	106	0.91605862	SystemicCorticosteroids	0104340894
627	0.81474028	SystemicControsteroida	0104300340	{	245	0.91003802	SystemicConticosteroids	0104474030
504	0.01474020	Systemiccontrosteroids	0104309323	4	545	0.91605862	Systemicconticosteroids	0104462596
567.5	0.014/4028	SystemicCorticosteroids	010441118/	{	118	0.91605862	Systemic Corticosteroids	01065191/
526	0.81474028	SystemicCorticosteroids	0104422405	4	1283	0.91605862	Phototherapy	0104349859
546	0.814/4028	SystemicCorticosteroids	0104440643	4	1334	0.91605862	Phototherapy	0104353642
836	0.814/4028	SystemicCorticosteroids	0104468125	4	346.5	0.91605862	Cyclosporin	01013445
5/3	0.814/4028	SystemicCorticosteroids	0104480063	4	307	0.91605862	Cyclosporin	0104480063
534	0.81474028	SystemicCorticosteroids	010837884	4	656	0.91605862	Dithranol.minute	0103841245
604	0.814/4028	SystemicCorticosteroids	010851925	4	1016	0.91605862	Dithranol.minute	0104299324
298	0.81474028	Cyclosporin	0101081372	4	1067	0.91605862	Dithranol.minute	0104346894
335.5	0.81474028	Cyclosporin	OTU247720		652	0.91605862	Dithranol.minute	OTU820692
316	0.81474028	Cyclosporin	OTU2901965		605	0.91605862	Dithranol.minute	OTU851917
316.5	0.81474028	Cyclosporin	OTU370309		122	0.91743109	SystemicCorticosteroids	OTU4422718
349	0.81474028	Cyclosporin	OTU4021335		1100	0.91868516	Retinoids	OTU1036883
330	0.81474028	Cyclosporin	OTU4353642		765	0.91868516	Retinoids	OTU1081372
530	0.81474028	Cyclosporin	OTU4354809		849.5	0.91868516	Retinoids	OTU1096610
557.5	0.81474028	Cyclosporin	OTU4369229]	817.5	0.91868516	Retinoids	OTU1131523
344	0.81474028	Cyclosporin	OTU4422718]	844	0.91868516	Retinoids	OTU14278
320	0.81474028	Cyclosporin	OTU4439089	1	775	0.91868516	Retinoids	OTU25259
296	0.81474028	Cyclosporin	OTU4440643	1	1111.5	0.91868516	Retinoids	OTU25478
318	0.81474028	Cyclosporin	OTU4474056	1	806	0.91868516	Retinoids	OTU279980
300.5	0.81474028	Cyclosporin	OTU912997]	852	0.91868516	Retinoids	OTU2901965
301	0.81474028	Cyclosporin	OTU995817	1	773	0.91868516	Retinoids	OTU362390
306	0.81474028	Antibiotics	OTU2901965	1	1109.5	0.91868516	Retinoids	OTU378096
286	0.81474028	Antibiotics	OTU370134	1	1036	0.91868516	Retinoids	OTU4047452
497	0.81474028	Antibiotics	OTU403853	1	796	0.91868516	Retinoids	OTU4294554
271	0.81474028	Antibiotics	OTU4301457	1	843	0.91868516	Retinoids	OTU4299324
295	0.81474028	Antibiotics	OTU4349519	1	1124.5	0.91868516	Retinoids	OTU4327286
291.5	0.81474028	Antibiotics	OTU4482598	1	790	0.91868516	Retinoids	OTU4327300
299	0.81474028	Antibiotics	OTU565753	1	813	0.91868516	Retinoids	OTU4349519
308.5	0.81474028	Antibiotics	OTU820692	1	758.5	0.91868516	Retinoids	OTU4349522
278	0.81474028	Antibiotics	OTU837884	1	1048	0.91868516	Retinoids	OTU4350124
489.5	0.81474028	Antibiotics	OTU987144	1	848	0.91868516	Retinoids	OTU4353642
172.5	0.81474028	Methotrevate	011/4317476	1	866	0.91868516	Betinoids	0101333012
172.5	0.81474028	Methotrevate	011/435/809	1	863.5	0.91868516	Retinoids	0104421550
178.5	0.81474028	Methotrevate	OTU4369229	1	1066.5	0.91868516	Retinoids	OTU4449324
72	0.81474028	Methotrexate	OTU4439089	1	1063	0.91868516	Retinoids	OTU4456068
1965.05.01	0.81474028	Methotrevate	OTU4/81323	1	759	0.91868516	Retinoids	01114460228
5/	0.81474028	Methotrevate	OTU883806	1	1081 5	0.91868516	Retinoide	011/4/68125
597.5	0.82412327	SystemicCorticosteroids	OTU25478	1	1051.5	0.91868516	Retinoids	0114473201
300	0.82412327	Antibiotics	OTU//7/056	1	867	0.91868516	Retinoide	OTU///7/056
211	0.8290216	Cyclosporin	OTU//22/05	1	8445	0.01869516	Retinoide	011/1/76050
612	0.0209310	SystemicCorticostoroida	0104422403	1	785 5	0.91869516	Rotinoida	OTUA470950
720 5	0.03010301	Tonical calcinourini = hihita	010114999	1	1107	0.91000310	Retinoid-	OTU4460003
/29.5	0.8326991	Sustemic Costing standid	0104349522	{	1107	0.91868516	Reunoids	0104481323
5/5	0.8326991	Systemiccorticosteroids	0101004369	{	700	0.91868516	Retinoids	0104482598
503	0.0320991	Topical activity in the second	010205025	{	790	0.91008510	neunoids	010305749
691	0.8334532	ropicaicaicineurininhibitors	0101096610	4	/63.5	0.91868516	Retinoids	010610043
329	0.8334532	Cyclosporin	0104349519	{	865	0.91868516	Retinoids	010654307
325	0.8334532	Cyclosporin	0104446521	4	844	0.91868516	Retinoids	010755148
333.5	0.8334532	Cyclosporin	010940083	4	861	0.91868516	Retinoids	010819937
471	0.8334532	Antibiotics	0104327286	4	1037	0.91868516	Retinoids	010820692
319.5	0.8334532	Antibiotics	010912906	4	826	0.91868516	Retinoids	010851668
699	0.83440212	Iopicalcalcineurininhibitors	0104301457	4	811.5	0.91868516	Retinoids	010939571
599	0.83440212	SystemicCorticosteroids	OTU4299324	4	1035	0.91868516	Retinoids	0TU940083
294.5	0.83686604	LocalCorticosteroids	OTU4349859	4	1115	0.91868516	Retinoids	OTU987144
459	0.83686604	LocalCorticosteroids	OTU4353642	1	1112	0.91868516	Retinoids	OTU995817
299	0.83686604	LocalCorticosteroids	OTU4369229	4	1297.5	0.91868516	Methotrexate	OTU1003210
318	0.83686604	LocalCorticosteroids	OTU4460228	1	1349	0.91868516	Methotrexate	OTU1004369
297	0.83686604	LocalCorticosteroids	OTU4480063	1	966	0.91868516	Methotrexate	OTU1107940
294.5	0.83686604	LocalCorticosteroids	OTU4349859	J	1206	0.91868516	Methotrexate	OTU1131523

459	0.83686604	LocalCorticosteroids	OTU4353642		917	0.9186851
299	0.83686604	LocalCorticosteroids	OTU//369229	1	965.5	0.9186851
235	0.83080004	LocalConticosteroida	0104303223	1	1222.5	0.9180851
318	0.83686604	LocalCorticosteroids	0104460228		1322.5	0.918685
297	0.83686604	LocalCorticosteroids	OTU4480063		1278	0.9186851
723.5	0.83686604	Phototherapy	OTU4309323		1213	0.9186851
953	0.83686604	Phototherapy	OTU755148	1	1199.5	0.9186851
697	0.83686604	Phototherany	OTU837884	1	1334	0.9186851
742	0.03000004	Tanicalaslainaurininhihitara	010057004	{	1215 5	0.0196951
742	0.85080004	Topicalcalcineurinininibitors	0104306340		1215.5	0.9180851
/04	0.83686604	lopicalcalcineurininhibitors	0104480063		1257	0.9186851
734.5	0.83686604	Topical calcineurininhibitors	OTU74351		1242.5	0.9186851
623.5	0.83686604	SystemicCorticosteroids	OTU360483		1210	0.9186851
341.5	0.83686604	Cyclosporin	OTU4481323	1	1272	0.9186851
402.5	0.03000004	Customerin	0101101323	1	1200 5	0.0196951
493.5	0.83080004	Cyclosporth	010987144	{	1269.5	0.9186851
290	0.83686604	Antibiotics	0104349859		1229	0.9186851
482	0.83686604	Antibiotics	OTU4369229		863	0.9186851
464	0.84847136	Antibiotics	OTU2110555		912	0.9186851
940 5	0.86477402	Phototherany	OTU610043	1	1254 5	0.9186851
632	0.00477402	Surtanzia Cantina atanzida	010010045	1	1105	0.0196951
032	0.87550452	Systemicconticosteroids	0104294554		1195	0.9186851
313	0.87530452	Antibiotics	0104299324		1229.5	0.9186851
739	0.87835509	Phototherapy	OTU851925		930	0.9186851
748	0.87835509	Topical calcineurininhibitors	OTU4422718	1	943	0.9186851
715	0.88522086	Phototherany	OTU403853	1	1026	0.9186851
240	0.88522086	Cyclosporin	OTU/227200	1	086	0.0196951
340	0.88322080	Cyclosportin	0104327300	-	960	0.918085
321	0.90452158	LocalCorticosteroids	010205025		1010	0.918685
321	0.90452158	LocalCorticosteroids	OTU205025		1221	0.9186851
608	0.90452158	SystemicCorticosteroids	OTU4474056		1283	0.918685
348	0.90452158	Cvclosporin	OTU25259	1	1020	0.918685
318 5	0.91840204	LocalCorticosteroids	OTU38/12/15	1	1006	0.9186851
210.3	0.01040204		0103041243		1000	0.010005
315	0.91840204	LocalCorticosteroids	0104468125	4	984	0.9186821
324	0.91840204	LocalCorticosteroids	0104473664		1189	0.9186851
465	0.91840204	LocalCorticosteroids	OTU4482598		923	0.918685
474	0.91840204	LocalCorticosteroids	OTU883806	1	1241	0.9186851
318.5	0.91840204	LocalCorticosteroids	OTU3841245	1	920.5	0.9186851
215	0.01840204		0103041245	1	1200	0.019695
515	0.91840204	LocalCorticosteroids	0104468125		1290	0.918685
324	0.91840204	LocalCorticosteroids	0104473664		1021	0.918685
465	0.91840204	LocalCorticosteroids	OTU4482598		1326	0.9186851
474	0.91840204	LocalCorticosteroids	OTU883806	1	964.5	0.9186851
727	0.91840204	Phototherapy	OTU20360	1	1207 5	0.918685
722 5	0.01840204	Dh at ath array	01020300	1	040 5	0.010005
/23.5	0.91840204	Photocherapy	0104317476	{	940.5	0.9186851
965	0.91840204	Phototherapy	010883806		1276	0.918685
727.5	0.91840204	Topical calcineurininhibitors	OTU4317476		993	0.9186851
791	0.91840204	SystemicCorticosteroids	OTU1003210	1	1009	0.9186851
615	0.91840204	SystemicCorticosteroids	OTU1036883	1	1010	0.9186851
602	0.91840204	SystemicCorticosteroids	OTU/346894	1	13/0.5	0.9186851
402	0.91840204	Systemiccontrosteroids	0104340834	1	140.5	0.9180851
482	0.91840204	Cyclosporin	010114999		1426	0.918685.
350	0.91840204	Cyclosporin	OTU13445		1007	0.9186851
352	0.91840204	Cyclosporin	OTU2110555		1417.5	0.9186851
462	0.91840204	Cyclosporin	OTU279980	1	964	0.918685
3/1 5	0.91840204	Cyclosporin	OTU/31808/	1	1313	0.9186851
402	0.01040204	Cyclosporin	0104310004	1	1000	0.010005
492	0.91840204	Cyclosporin	0104471315		1069	0.918685
349	0.91840204	Cyclosporin	010755148		1081	0.9186851
324	0.91840204	Antibiotics	OTU103810		1007	0.9186851
471.5	0.91840204	Antibiotics	OTU4467218	1	1334	0.9186851
1980 05 01	0 91840204	Methotrexate	OTU4299324	1	1003	0.918685
1981.05.01	0.91840204	Methotrovato	OTUN200222	1	1000	0.919695
1361,03,01	0.91040204	Methotexate	0104303323	1	1099	0.910005
164	0.91840204	Methotrexate	0104449324		1114	0.918685
157.5	0.91840204	Methotrexate	OTU4471315	1	1365	0.9186851
74	0.91840204	Methotrexate	OTU995817		1313	0.9186851
352	0.92031903	LocalCorticosteroids	OTU279980	1	1079.5	0.9186851
440	0.92031902	LocalCorticosteroids	OTU4294554	1	1252	0.9186851
214	0.02031003	LocalCorticesteroids	0TU/201457	1	1116	0.0196951
314	0.52051903		010430143/	1	1212	0.910005
319	0.92031903	LocalCorticosteroids	0104449324		1313	0.9186821
319	0.92031903	LocalCorticosteroids	OTU496787	l	1400	0.9186851
334	0.92031903	LocalCorticosteroids	OTU74351		1401.5	0.9186851
332	0.92031903	LocalCorticosteroids	OTU851925	1	1038	0.9186851
323.5	0.92031903	LocalCorticosteroids	OTU939571	1	1323 5	0.9186851
252	0.02031003		010333371	1	1000	0.0100051
352	0.92031903	LocalCorticosteroids	0102/9980	1	1096	0.9186821
440	0.92031903	LocalCorticosteroids	OTU4294554	1	1341	0.9186851
314	0.92031903	LocalCorticosteroids	OTU4301457		1066.5	0.9186851
319	0.92031903	LocalCorticosteroids	OTU4449324		1345	0.9186851
319	0.92031903	LocalCorticosteroids	OTU496787	1	1103	0.9186851
	0.92031902	LocalCorticosteroids	OTU74351	1	1104	0.9186851
221	0.52031903		010/4331	1	1104	0.0100005
334	0.000010000		010851925	1	1106	0.9186821
334 332	0.92031903	LocalCorticosteroids				
334 332 323.5	0.92031903 0.92031903	LocalCorticosteroids	OTU939571		1398	0.9186851
334 332 323.5 924	0.92031903 0.92031903 0.92031903	LocalCorticosteroids LocalCorticosteroids Phototherapy	OTU939571 OTU13445		1398 994	0.9186851
334 332 323.5 924 918.5	0.92031903 0.92031903 0.92031903 0.92031903	LocalCorticosteroids LocalCorticosteroids Phototherapy Phototherapy	OTU939571 OTU13445 OTU14278		1398 994 1314	0.9186851
334 332 323.5 924 918.5 749.5	0.92031903 0.92031903 0.92031903 0.92031903 0.92031903	LocalCorticosteroids LocalCorticosteroids Phototherapy Phototherapy	OTU939571 OTU13445 OTU14278		1398 994 1314 1077 5	0.9186851
334 332 323.5 924 918.5 749.5	0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903	LocalControsteroids LocalControsteroids Phototherapy Phototherapy Phototherapy	OTU939571 OTU13445 OTU14278 OTU4481323		1398 994 1314 1077.5	0.9186851 0.9186851 0.9186851 0.9186851
334 332 323.5 924 918.5 749.5 758.5	0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903	LocalCorticosteroids Phototherapy Phototherapy Phototherapy Phototherapy	OTU939571 OTU13445 OTU14278 OTU4481323 OTU74351		1398 994 1314 1077.5 996	0.918685 0.918685 0.918685 0.918685 0.918685
334 332 323.5 924 918.5 749.5 758.5 743	0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903	LocalCorticosteroids Phototherapy Phototherapy Phototherapy Phototherapy Phototherapy Phototherapy	OTU939571 OTU13445 OTU14278 OTU4481323 OTU74351 OTU851917		1398 994 1314 1077.5 996 1057.5	0.918685 0.918685 0.918685 0.918685 0.918685 0.918685
334 332 323.5 924 918.5 749.5 758.5 743 925.5	0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903	LocalCorticosteroids LocalCorticosteroids Phototherapy Phototherapy Phototherapy Phototherapy Phototherapy Topicalcalcineurininhibitors	OTU939571 OTU13445 OTU14278 OTU4481323 OTU74351 OTU74351 OTU851917 OTU103810		1398 994 1314 1077.5 996 1057.5 1379.5	0.918685 0.918685 0.918685 0.918685 0.918685 0.918685 0.918685
334 332 924 918.5 749.5 758.5 743 925.5 923	0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903	LocalCorticosteroids LocalCorticosteroids Phototherapy Phototherapy Phototherapy Phototherapy Topicalcalcineurininhibitors Topicalcalcineurininhibitors	OTU939571 OTU13445 OTU14278 OTU4481323 OTU74351 OTU851917 OTU103810 OTU13445		1398 994 1314 1077.5 996 1057.5 1379.5 1025	0.918685 0.918685 0.918685 0.918685 0.918685 0.918685 0.918685 0.918685
334 323.5 924 918.5 749.5 749.5 743 925.5 923 808	0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903 0.92031903	LocalCorticosteroids LocalCorticosteroids Phototherapy Phototherapy Phototherapy Phototherapy Phototherapy Topicalcalcineurininhibitors Topicalcalcineurininhibitors	OTU939571 OTU13445 OTU14278 OTU4481323 OTU74351 OTU851917 OTU103810 OTU13445 OTU129090		1398 994 1314 1077.5 996 1057.5 1379.5 1025 1038	0.918685 0.918685 0.918685 0.918685 0.918685 0.918685 0.918685 0.918685 0.918685

917	0.91868516	Methotrexate	OTU13445
965.5	0.91868516	Methotrexate	OTU164003
1322.5	0.91868516	Methotrexate	OTU20360
1278	0.91868516	Methotrexate	OTU205025
1213	0.91868516	Methotrexate	OTU2110555
1199.5	0.91868516	Methotrexate	OTU25478
1334	0.91868516	Methotrexate	OTU285376
1215.5	0.91868516	Methotrexate	OTU2901965
1257	0.91868516	Methotrexate	OTU3208510
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1210	0.91868516	Methotrexate	OTU362390
1272	0.91868516	Methotrexate	OTU378096
1289.5	0.91868516	Methotrexate	OTU403853
1229	0.91868516	Methotrexate	OTU4294554
863	0.91868516	Methotrexate	OTU4301457
912	0.91868516	Methotrexate	OTU4306540
1254.5	0.91868516	Methotrexate	OTU4309323
1195	0.91868516	Methotrexate	OTU4317476
1229.5	0.91868516	Methotrexate	OTU4327286
930	0.91868516	Methotrexate	OTU4346894
943	0.91868516	Methotrexate	OTU4348347
1026	0.91868516	Methotrexate	OTU4350124
986	0.91868516	Methotrexate	OTU4354809
1010	0.91868516	Methotrexate	OTU4408996
1221	0.91868516	Methotrexate	OTU4411187
1283	0.91868516	Methotrexate	OTU4422718
1020	0.91868516	Methotrexate	OTU4439089
1006	0.91868516	Methotrexate	OTU4456068
984	0.91868516	Methotrexate	OTU4468125
1189	0.91868516	Methotrexate	OTU4471315
923	0.91868516	Methotrexate	OTU4473664
1241	0.91868516	Methotrexate	OTU4476950
920.5	0.91868516	Methotrexate	OTU4480063
1290	0.91868516	Methotrexate	OTU565753
1021	0.91868516	Methotrexate	OTU654307
1326	0.91868516	Methotrexate	OTU755148
964.5	0.91868516	Methotrexate	OTU761594
1207.5	0.91868516	Methotrexate	OTU819937
940.5	0.91868516	Methotrexate	OTU851668
1276	0.91868516	Methotrexate	010851925
993	0.91868516	Methotrexate	010912906
1009	0.91868516	Methotrexate	010912997
1010	0.91868516	LocalCorticosteroids	0101004369
1340.5	0.91868516	LocalCorticosteroids	010103810
1420	0.91868516	LocalCorticosteroids	0101151525
1417 5	0.91868516	LocalCorticosteroids	010114999
1417.5	0.91868516	LocalCorticosteroids	010104005
1212	0.91868516	LocalCorticosteroids	01020300
1060	0.01969516	LocalCorticosteroids	010203023
1005	0.91868516	LocalCorticosteroids	0102110333
1001	0.91868516	LocalCorticosteroids	010247720
133/	0.91868516	LocalCorticosteroids	01025255
1003	0.91868516	LocalCorticosteroids	01023470
1099	0.91868516	LocalCorticosteroids	0TU285376
1114	0.91868516	LocalCorticosteroids	OTU3208510
1365	0.91868516	LocalCorticosteroids	OTU3841245
1313	0.91868516	LocalCorticosteroids	OTU4021335
1079.5	0.91868516	LocalCorticosteroids	OTU4047452
1353	0.91868516	LocalCorticosteroids	OTU4299324
1116	0.91868516	LocalCorticosteroids	OTU4301457
1313	0.91868516	LocalCorticosteroids	OTU4303697
1400	0.91868516	LocalCorticosteroids	OTU4306540
1401.5	0.91868516	LocalCorticosteroids	OTU4309323
1038	0.91868516	LocalCorticosteroids	OTU4317476
1323.5	0.91868516	LocalCorticosteroids	OTU4327286
1096	0.91868516	LocalCorticosteroids	OTU4327300
1341	0.91868516	LocalCorticosteroids	OTU4348347
1066.5	0.91868516	LocalCorticosteroids	OTU4349522
1345	0.91868516	LocalCorticosteroids	OTU4349859
1103	0.91868516	LocalCorticosteroids	OTU4350124
1104	0.91868516	LocalCorticosteroids	OTU4353642
1106	0.91868516	LocalCorticosteroids	OTU4421536
1398	0.91868516	LocalCorticosteroids	OTU4422405
994	0.91868516	LocalCorticosteroids	OTU4422718
1314	0.91868516	LocalCorticosteroids	OTU4439089
1077.5	0.91868516	LocalCorticosteroids	OTU4440643
996	0.91868516	LocalCorticosteroids	OTU4460228
1057.5	0.91868516	LocalCorticosteroids	OTU4467218
1379.5	0.91868516	LocalCorticosteroids	OTU4468125
1025	0.91868516	LocalCorticosteroids	OTU4473201
1038	0.91868516	LocalCorticosteroids	OTU4473664

/20.5	0.92031903	lopicalcalcineurininhibitors	010285376
925.5	0.92031903	Topical calcineurininhibitors	OTU4327286
736	0.92031903	Topicalcalcineurininhibitors	OTU4369229
758	0.92031903	Topicalcalcineurininhibitors	OTU4439089
760	0.92031903	Topical calcineurininhibitors	OTU4460228
732.5	0.92031903	Topical calcineurininhibitors	OTU496787
610.5	0.92031903	SystemicCorticosteroids	OTU912997
360	0.92031903	Cyclosporin	OTU164003
356.5	0.92031903	Cyclosporin	OTU25478
364	0.92031903	Cyclosporin	OTU4348347
362	0.92031903	Cyclosporin	OTU4473664
341	0.92031903	Antibiotics	OTU4021335
458	0 92031903	Antibiotics	OTU511475
448	0.92031903	Antibiotics	01174351
151.5	0.92031903	Mathetroyate	010/4331
151.5	0.02031903	Methotrevate	010103810
150	0.92031903	Methotrexate	010203023
150	0.92031903	Wethotrexate	0102110555
151.5	0.92031903	Methotrexate	0102901965
150	0.92031903	Methotrexate	0104303697
151.5	0.92031903	Methotrexate	0104327286
150	0.92031903	Methotrexate	OTU4421536
1985,05,01	0.92031903	Methotrexate	OTU4476950
339	0.93187609	LocalCorticosteroids	OTU114999
339	0.93187609	LocalCorticosteroids	OTU114999
450.5	0.93187609	Antibiotics	OTU4471315
441	0.93187609	Antibiotics	OTU819937
916.5	0.93681361	Topicalcalcineurininhibitors	OTU14278
332.5	0.9/102024		0111/200224
332.3 333 F	0.94192020		0104299324
332.3	0.94192026	Local of the second sec	0104299324
/58.5	0.94192026	ropicalcalcineurininhibitors	0102901965
/56	0.94192026	lopical calcineurininhibitors	010851917
800	0.94192026	SystemicCorticosteroids	OTU4354809
645	0.94192026	SystemicCorticosteroids	OTU4473201
636	0.94192026	SystemicCorticosteroids	OTU4476950
460	0.94192026	Antibiotics	OTU4346894
148.5	0.94192026	Methotrexate	OTU4408996
924	0.94476845	Phototherapy	OTU4349519
766	0 94476845	Topicalcalcineurininhibitors	0TU247720
752.5	0.94476845	Topical calcineurininhibitors	011/440643
627	0.04476845	SustemicCerticesteroids	0104440043
770	0.94470845	SystemicConticosteroids	0104527500
776	0.94470843	Systemiccontrosteroids	0104535042
349	0.94476845	Cyclosporin	0101096610
368	0.94476845	Cyclosporin	0104460228
480	0.944/6845	Cyclosporin	0104468125
438	0.94476845	Antibiotics	OTU1003210
355.5	0.94476845	Antibiotics	OTU1107940
339	0.94476845	Antibiotics	OTU13445
444.5	0.94476845	Antibiotics	OTU4309323
332	0.94476845	Antibiotics	OTU4411187
341	0.94476845	Antibiotics	OTU4439089
145.5	0.94476845	Methotrexate	OTU14278
147	0.94476845	Methotrexate	OTU370134
145.5	0.94476845	Methotrevate	OTU74351
145.5	0.94476845	Methotrevate	OTU987144
1245.5	0.9462201		011951669
424.3	0.5402391	LocalContinuetorida	010831006
33/.5	0.9462391	LocalCorticosteroids	010940083
424.5	0.9462391	LocalCorticosteroids	010851668
337.5	0.9462391	LocalCorticosteroids	010940083
/62	0.9462391	Phototherapy	01025478
912.5	0.9462391	Phototherapy	OTU4473664
483	0.9462391	Cyclosporin	OTU403853
763	0.94642448	Topical calcineurininhibitors	OTU362390
336	0.94820623	Antibiotics	OTU4327300
144	0.94929792	Methotrexate	OTU164003
144	0.94929792	Methotrexate	OTU4353642
144	0.94929792	Methotrexate	OTU4473201
449	0.95678303	Antibiotics	OTU4354809
438	0.9591508	LocalCorticosteroids	OTU25259
333	0.9591508	LocalCorticosteroids	OTU4354809
N38	0.9501508	LocalCorticostoroids	01125250
430	0.9591508	LocalCorticosteroide	01023233
555	- 1M 1 1118	LocalConticosteroids	OTU9534809
007 E	0.0501500	Dhotothoronu	
887.5	0.9591508	Phototherapy	OTU007144
887.5 774.5	0.9591508	Phototherapy Phototherapy	OTU987144
887.5 774.5 898	0.9591508 0.9591508 0.9591508 0.9591508	Phototherapy Phototherapy Topicalcalcineurininhibitors	OTU987144 OTU4021335
887.5 774.5 898 760.5	0.9591508 0.9591508 0.9591508 0.9591508 0.9591508	Phototherapy Phototherapy Topicalcalcineurininhibitors Topicalcalcineurininhibitors	OTU987144 OTU4021335 OTU939571
887.5 774.5 898 760.5 641	0.9591508 0.9591508 0.9591508 0.9591508 0.9591508	Phototherapy Phototherapy Topicalcalcineurininhibitors Topicalcalcineurininhibitors SystemicCorticosteroids	OTU987144 OTU4021335 OTU939571 OTU511475
887.5 774.5 898 760.5 641 773.5	0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508	Phototherapy Phototherapy Topicalcalcineurininhibitors Topicalcalcineurininhibitors SystemicCorticosteroids SystemicCorticosteroids	OTU987144 OTU4021335 OTU939571 OTU511475 OTU987144
887.5 774.5 898 760.5 641 773.5 386	0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508	Phototherapy Phototherapy Topicalcalcineurininhibitors Topicalcalcineurininhibitors SystemicCorticosteroids SystemicCorticosteroids Cyclosporin	OTU987144 OTU4021335 OTU939571 OTU511475 OTU987144 OTU851668
887.5 774.5 898 760.5 641 773.5 386 151	0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508	Phototherapy Phototherapy Topicalcalcineurininhibitors Topicalcalcineurininhibitors SystemicCorticosteroids SystemicCorticosteroids Cyclosporin Methotrexate	OTU987144 OTU4021335 OTU939571 OTU511475 OTU987144 OTU851668 OTU4467218
887.5 774.5 898 760.5 641 773.5 386 151 142.5	0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508	Phototherapy Phototherapy Topicalcalcineurininhibitors Topicalcalcineurininhibitors SystemicCorticosteroids SystemicCorticosteroids Cyclosporin Methotrexate Methotrexate	OTU987144 OTU4021335 OTU939571 OTU511475 OTU987144 OTU851668 OTU4467218 OTU4467218
887.5 774.5 898 760.5 641 773.5 386 151 142.5 358	0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508	Phototherapy Phototherapy Topicalcalcineurininhibitors Topicalcalcineurininhibitors SystemicCorticosteroids SystemicCorticosteroids Cyclosporin Methotrexate Methotrexate Cyclosporin	OTU987144 OTU4021335 OTU939571 OTU511475 OTU987144 OTU851668 OTU4467218 OTU819937 OTU11004369
887.5 774.5 898 760.5 641 773.5 386 151 142.5 358 775.5	0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508 0.9591508	Phototherapy Phototherapy Topicalcalcineurininhibitors Topicalcalcineurininhibitors SystemicCorticosteroids SystemicCorticosteroids Cyclosporin Methotrexate Methotrexate Cyclosporin Photothercore	ОТU987144 ОТU4021335 ОТU939571 ОТU511475 ОТU987144 ОТU851668 ОТU4467218 ОТU819937 ОТU1004369 ОТU405134

1011	0.91868516	LocalCorticosteroids	0114474056
1014 5	0.91868516	LocalCorticosteroids	0TU610043
1099	0.91868516	LocalCorticosteroids	0TU625320
1120	0.01868516	LocalCorticosteroids	010023320
1227	0.01868516	LocalCorticosteroids	010034307
1040	0.01969516	LocalCorticosteroido	01074331
1040	0.91808516	LocalCorticosteroids	010761594
1061	0.91868516	LocalCorticosteroids	010851668
1064	0.91868516	LocalCorticosteroids	010851917
1279	0.91868516	LocalCorticosteroids	010883806
977.5	0.91868516	LocalCorticosteroids	OTU939571
1406	0.91868516	LocalCorticosteroids	OTU940083
1367	0.91868516	LocalCorticosteroids	OTU987144
332	0.91868516	Topicalcalcineurininhibitors	OTU1003210
505	0.91868516	Topical calcineurininhibitors	OTU1004369
308	0.91868516	Topicalcalcineurininhibitors	OTU1096610
294	0.91868516	Topicalcalcineurininhibitors	OTU1107940
313.5	0.91868516	Topicalcalcineurininhibitors	OTU114999
447	0.91868516	Topical calcineurininhibitors	OTU205025
31/	0.91868516	Topical calcineurininhibitors	011247720
444	0.01868516	Topical calcingurininhibitors	010247720
215.5	0.91808510	Tagical calcine annihibitors	01023233
315.5	0.91868516	Topicalcalcineurininnibitors	01023478
293.5	0.91868516	Iopicalcalcineurininhibitors	010282360
296.5	0.91868516	iopicalcalcineurininhibitors	0102901965
325	0.91868516	Iopicalcalcineurininhibitors	OTU3208510
309.5	0.91868516	Topical calcineurininhibitors	OTU370309
455	0.91868516	Topicalcalcineurininhibitors	OTU378096
318.5	0.91868516	Topicalcalcineurininhibitors	OTU3841245
494.5	0.91868516	Topicalcalcineurininhibitors	OTU403853
330	0.91868516	Topicalcalcineurininhibitors	OTU4294554
329	0.91868516	Topicalcalcineurininhibitors	OTU4299324
512	0.91868516	Topicalcalcineurininhibitors	OTU4303697
481	0.91868516	Topicalcalcineurininhibitors	OTU4306540
441	0.91868516	Topical calcineurininhibitors	OTU4309323
441	0.91868516	Topical calcingurininhibitors	0104305525
472	0.01969516	Tapical calcineurininhibitors	0104317470
450	0.91868516		0104318084
458	0.91868516	Topicalcalcineurininnibitors	0104327300
456	0.91868516	Iopicalcalcineurininhibitors	0104346894
458	0.91868516	lopicalcalcineurininhibitors	0104348347
329.5	0.91868516	Topicalcalcineurininhibitors	OTU4349519
330.5	0.91868516	Topical calcineurininhibitors	OTU4349522
474	0.91868516	Topical calcineurininhibitors	OTU4349859
489	0.91868516	Topical calcineurininhibitors	OTU4354809
452	0.91868516	Topicalcalcineurininhibitors	OTU4411187
473	0.91868516	Topical calcineurininhibitors	OTU4422405
465	0.91868516	Topicalcalcineurininhibitors	OTU4456068
298.5	0.91868516	Topical calcineurininhibitors	OTU4467218
323	0.91868516	Topicalcalcineurininhibitors	OTU4471315
315	0.91868516	Topicalcalcineurininhibitors	OTU4473201
503.5	0.91868516	Topicalcalcineurininhibitors	OTU496787
287	0.91868516	Topical calcineurininhibitors	0TU565753
321.5	0.91868516	Topical calcineurininhibitors	OTU610043
512	0.91868516	Topical calcingurininhibitors	011174351
214.5	0.01868516	Topical calcingurininhibitors	01074331
314.3	0.01960510	Topical calcingurininhibitors	0110220502
234	0.01060510	Topical calcing wining the	0110020092
322	0.51006510	Topical calcineur minnibitors	010005017
2/4	0.91868516	ropicalcalcineurininnibitors	010995817
/93	0.91868516	Fumaricacid	0101003210
512	0.91868516	Fumaricacid	0101036883
/64	0.91868516	Fumaricacid	0101081372
741	0.91868516	Fumaricacid	0101096610
712	0.91868516	Fumaricacid	OTU1107940
754.5	0.91868516	Fumaricacid	OTU1131523
723	0.91868516	Fumaricacid	OTU14278
747.5	0.91868516	Fumaricacid	OTU20360
736	0.91868516	Fumaricacid	OTU205025
726	0.91868516	Fumaricacid	OTU25259
498	0.91868516	Fumaricacid	OTU25478
707	0.91868516	Fumaricacid	OTU370134
749.5	0.91868516	Fumaricacid	OTU378096
581.5	0.91868516	Fumaricacid	OTU3841245
765	0.91868516	Fumaricacid	OTU4021335
759	0.91868516	Fumaricacid	OTU4047452
557.5	0.91868516	Fumaricacid	OTU4301457
722	0.91868516	Fumaricacid	OTU4318084
729.5	0.91868516	Fumaricacid	OTU4327286
484 5	0.91868516	Fumaricacid	OTU4346894
577	0.91868516	Fumaricacid	011/43/183/17
770 5	0.91869516	Fumaricacid	OTI//3/0510
729.5	0.01060510	Furnaricaciu	OTU4349319
/29	0.91868516	Fumaricacid	0104349522
555.5	0.91868516	Fumaricacid	0104349859
584	0.91868516	Fumaricacid	0104353642
I E/1	0.91868516	Eumaricacid	01114369229

331	0.97162011	LocalCorticosteroids	OTU1096610
341.5	0.97162011	LocalCorticosteroids	OTU282360
427	0.97162011	LocalCorticosteroids	OTU654307
331	0.97162011	LocalCorticosteroids	OTU1096610
341.5	0.97162011	LocalCorticosteroids	OTU282360
427	0.97162011	LocalCorticosteroids	OTU654307
771	0.97162011	Phototherapy	OTU940083
757.5	0.97162011	Topicalcalcineurininhibitors	OTU4456068
777	0.97162011	SystemicCorticosteroids	OTU1081372
632	0.97162011	SystemicCorticosteroids	OTU1096610
651	0 97162011	SystemicCorticosteroids	OTU13445
779	0.97162011	SystemicCorticosteroids	01013445
654	0.97162011	SystemicConticosteroida	010282300
654	0.97162011	SystemicCorticosteroids	010370309
3/1.5	0.97162011	Cyclosporin	0104309323
478	0.97162011	Cyclosporin	OTU4480063
382	0.97162011	Cyclosporin	OTU654307
334	0.97162011	Antibiotics	OTU995817
139.5	0.97162011	Methotrexate	OTU360483
97	0.97162011	Methotrexate	OTU378096
149	0.97162011	Methotrexate	OTU403853
139.5	0.97162011	Methotrevate	0TU505749
200	0.07162011	Methotrovato	010303743
00	0.97102011	Wethotrexate	010912997
352	0.97342505	Antibiotics	0104422/18
354	0.97546845	LocalCorticosteroids	OTU378096
432.5	0.97546845	LocalCorticosteroids	OTU4327286
427	0.97546845	LocalCorticosteroids	OTU565753
354	0.97546845	LocalCorticosteroids	OTU378096
432.5	0.97546845	LocalCorticosteroids	OTU4327286
427	0.97546845	LocalCorticosteroids	OTU565753
904	0 97546845	Phototherany	OTU4327286
012	0.07546045	Phototherapy	0104327200
763	0.57340843	Phototherapy	0104309229
/02	0.97546845	Phototherapy	010995817
//8	0.97546845	Iopicalcalcineurininhibitors	0102110555
766	0.97546845	Iopicalcalcineurininhibitors	OTU4467218
775.5	0.97546845	Topical calcineurininhibitors	OTU761594
676	0.97546845	SystemicCorticosteroids	OTU279980
645	0.97546845	SystemicCorticosteroids	OTU403853
651	0.97546845	SystemicCorticosteroids	OTU851917
465	0.97546845	Cyclosporin	OTU4327286
354	0.97546845	Antibiotics	OTU4306540
3/0 5	0.97546045	Antibiotics	OTLIA06797
1001.05.01	0.07540045	Mathetrasta	010490787
120	0.57340843	Mark -:	0104440043
138	0.97546845	Methotrexate	010654307
880.5	0.97553677	Iopicalcalcineurininhibitors	010851668
380	0.97691141	Cyclosporin	0104350124
97	0.97691141	Methotrexate	OTU4349522
897	0.97740412	Phototherapy	OTU4460228
776.5	0.97740412	Topical calcineurininhibitors	OTU4471315
759	0.97740412	SystemicCorticosteroids	OTU378096
365.5	0.97740412	Cyclosporin	OTU285376
890	0.97760614	Phototherany	OTU505749
774 5	0.97760614	SystemicContinenteroide	010303749
774.3	0.57700014	Systemic Control Steroids	0104462398
384.5	0.97760614	Cyclosporin	010378096
356	0.98870701	LocalCorticosteroids	0104306540
356	0.98870701	LocalCorticosteroids	OTU4306540
377.5	0.98870701	Cyclosporin	OTU761594
897	0.98882508	Topical calcineurininhibitors	OTU205025
146	0.99481531	Methotrexate	OTU4346894
430.5	0.99785764	LocalCorticosteroids	OTU4476950
343	0.99785764	LocalCorticosteroids	OTU995817
430.5	0.99785764	LocalCorticosteroids	OTU/476950
2/2	0.99785764	LocalCorticostoroide	OTU005917
702	0.00050501	Topical calcine wining hilling	010333017
/93	0.99939301		010360483
901	0.99959501	ropicalcalcineurininhibitors	0104468125
428	0.99959501	Antibiotics	0TU4303697
94	0.99959501	Methotrexate	OTU4047452
381.5	1	LocalCorticosteroids	OTU1003210
431	1	LocalCorticosteroids	OTU1036883
360.5	1	LocalCorticosteroids	OTU103810
366		LocalCorticosteroids	OTU1081372
395		LocalCorticostoroide	OTU1107040
363	1		0101107940
339		LocalConticosteroids	0101131523
401	1	LocalCorticosteroids	01013445
411	1	LocalCorticosteroids	OTU14278
374	1	LocalCorticosteroids	OTU164003
404	1	LocalCorticosteroids	OTU20360
396		LocalCorticosteroids	OTU2110555
375 5		LocalCorticosteroids	OT11247720
392		LocalCorticosteroida	010247720
360		LocalConticosteroids	01025478
424.5		LocalCorticosteroids	010285376
410	1	LocalCorticosteroids	0103208510
395.5	1	LocalCorticosteroids	OTU360483

724	0.91868516	Fumaricacid	OTU442153
534	0.91868516	Fumaricacid	0TU442240
334	0.91808510	Tumancaciu	010442240
/33	0.91868516	Fumaricacid	010442271
772	0.91868516	Fumaricacid	OTU444652
523	0.91868516	Fumaricacid	OTU444932
486.5	0.91868516	Fumaricacid	0TU445606
400.5	0.01000510	Furnaricacid	010445000
809	0.91868516	Fumaricacid	010446022
777.5	0.91868516	Fumaricacid	OTU446721
522	0.91868516	Fumaricacid	OTU446812
529	0.91868516	Fumaricacid	OTU448006
775 5	0.01969516	Furmericacid	010110000
115.5	0.91606510	Fumaricació	010490787
770	0.91868516	Fumaricacid	OTU505749
699	0.91868516	Fumaricacid	OTU511475
767	0.91868516	Fumaricacid	OTU625320
775	0.01969516	Eumoricocid	011755149
773	0.91808510	Tulliaricació	010733140
/2/	0.91868516	Fumaricacid	010851917
709	0.91868516	Fumaricacid	OTU883806
715	0.91868516	Fumaricacid	OTU987144
755	0.01969516	Eumoricocid	01100581
733	0.91808510	Tulliancaciu	01033381
2019,05,31	0.91868516	Antibiotics	010100321
30	0.91868516	Antibiotics	OTU103688
96	0.91868516	Antibiotics	OTU103810
29	0.91868516	Antibiotics	0TU108137
20	0.01000510	Antibiotics	010100157
30	0.91808510	Antibiotics	010109001
1934,05,01	0.91868516	Antibiotics	OTU113152
1935,05,01	0.91868516	Antibiotics	OTU114999
40	0.91868516	Antibiotics	OTU14278
80	0.01060510	Antibiot'	01112 4000
80	0.3190916	AIITIDIOTICS	01016400
112	0.91868516	Antibiotics	OTU211055
1937,05,01	0.91868516	Antibiotics	OTU247720
33	0.91868516	Antibiotics	OTU25259
1025.05.01	0.01969516	Antibiotics	011125478
1935,05,01	0.91808510	Antibiotics	01023478
37	0.91868516	Antibiotics	010279980
1933,05,01	0.91868516	Antibiotics	OTU282360
97	0.91868516	Antibiotics	OTU290196
40	0.91868516	Antibiotics	0TU320851
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1939,05,01	0.91868516	Antibiotics	010362390
1933,05,01	0.91868516	Antibiotics	OTU370134
2019.05.28	0.91868516	Antibiotics	OTU370309
102	0.91868516	Antibiotics	OT11403853
02	0.01969516	Antibiotics	01040303
92	0.91808510	Antibiotics	010404745
40	0.91868516	Antibiotics	010429932
34	0.91868516	Antibiotics	OTU430369
1933.05.01	0.91868516	Antibiotics	OTU430654
1939.05.01	0.91868516	Antibiotics	OT11/30932
20	0.01000510	Antibiotics	010430332
50	0.91606510	Antibiotics	010451747
100	0.91868516	Antibiotics	OTU431808
101	0.91868516	Antibiotics	OTU432728
29	0.91868516	Antibiotics	OTU432730
09	0.01969516	Antibiotics	010132730
96	0.91808510	Antibiotics	010434089
1932,05,01	0.91868516	Antibiotics	010434951
1936,05,01	0.91868516	Antibiotics	OTU434952
97	0.91868516	Antibiotics	OTU435012
41	0.91868516	Antibiotics	OT1//35364
24	0.01000510	Antibiotics	010433304
24	0.91808210	Antibiotics	010435480
37	0.91868516	Antibiotics	OTU440899
1940,05,01	0.91868516	Antibiotics	OTU441118
93	0.91868516	Antibiotics	011442153
07	0.01000510	An+:L:_+'	011442240
97	0.91908210	Antibiotics	010442240
32	0.91868516	Antibiotics	OTU442271
35	0.91868516	Antibiotics	OTU443908
2019,05.27	0.91868516	Antibiotics	OTU444064
	0.51000510	Antibiotics	
86	0.91868516	Antibiotics	OTLIAAA652
86	0.91868516	Antibiotics	OTU444652
86 98	0.91868516 0.91868516 0.91868516	Antibiotics Antibiotics Antibiotics	OTU444652 OTU445606
86 98 34	0.91868516 0.91868516 0.91868516	Antibiotics Antibiotics Antibiotics Antibiotics	OTU444652 OTU445606 OTU446022
86 98 34 2019,05,22	0.91868516 0.91868516 0.91868516 0.91868516 0.91868516	Antibiotics Antibiotics Antibiotics Antibiotics	OTU444652 OTU445606 OTU446022 OTU446721
86 98 34 2019,05,22 1940 05 01	0.91868516 0.91868516 0.91868516 0.91868516 0.91868516	Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics	OTU444652 OTU445606 OTU446022 OTU446721
86 98 34 2019,05,22 1940,05,01	0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516	Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics	OTU444652 OTU445606 OTU446022 OTU446721 OTU446812
86 98 34 2019,05,22 1940,05,01 82	0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516	Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics	OTU444652 OTU445606 OTU446022 OTU446721 OTU446812 OTU446812
86 98 34 2019,05,22 1940,05,01 82 80	0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516	Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics	OTU444652 OTU445606 OTU446022 OTU446721 OTU446812 OTU446812 OTU447131 OTU447320
86 98 34 2019,05,22 1940,05,01 82 80 33	0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516	Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics	OTU444652 OTU445606 OTU446022 OTU446721 OTU446812 OTU447131 OTU447320 OTU447320
86 98 34 2019,05,22 1940,05,01 82 80 33 28	0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516	Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics	OTU444652 OTU445006 OTU446022 OTU446721 OTU446721 OTU447320 OTU447320 OTU447366 OTU447366
86 98 34 2019,05,22 1940,05,01 82 80 33 28 1026 5 5 5	0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516	Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics	OTU444652 OTU445006 OTU445020 OTU446221 OTU446812 OTU446812 OTU447131 OTU447320 OTU447320 OTU447365 OTU447405
86 98 34 2019,05,22 1940,05,01 82 80 33 28 1936,05,01	0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516	Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics	OTU444652 OTU446022 OTU446022 OTU446721 OTU44612 OTU447131 OTU447320 OTU447365 OTU447695
86 98 34 2019,05,22 1940,05,01 82 80 33 28 1936,05,01 2019,05,18	0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516	Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics	OTU444652 OTU445006 OTU446022 OTU446721 OTU446812 OTU447320 OTU447320 OTU447320 OTU447365 OTU447695 OTU447695
86 98 34 2019,05,22 1940,05,01 82 80 33 28 1936,05,01 2019,05,18 106	0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516	Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics	OTU444652 OTU446022 OTU446022 OTU446721 OTU446812 OTU447130 OTU447320 OTU447366 OTU44765 OTU44765 OTU44765 OTU447695 OTU447806 OTU448006 OTU448132
86 98 34 2019,05,22 1940,05,01 82 80 33 28 1936,05,01 2019,05,18 106 104	$\begin{array}{c} 0.91868516\\$	Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics	OTU444652 OTU446022 OTU446022 OTU446721 OTU446721 OTU447131 OTU447320 OTU447320 OTU447369 OTU447405 OTU447695 OTU448032 OTU448132
86 98 34 2019,05,22 1940,05,01 82 80 33 28 1936,05,01 2019,05,18 106 104 97	0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516	Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics	0TU444652 0TU44500 0TU446022 0TU446022 0TU44622 0TU44632 0TU447320 0TU447320 0TU447320 0TU447305 0TU447405 0TU448006 0TU448006 0TU448006 0TU448090 0TU448090
86 98 34 2019,05,22 1940,05,01 82 80 33 28 1936,05,01 2019,05,18 106 104 85	0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516	Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics Antibiotics	0TU444652 0TU446022 0TU446022 0TU446022 0TU446021 0TU446313 0TU447313 0TU447313 0TU447310 0TU447305 0TU447305 0TU447695 0TU447695 0TU448125 0TU448259 0TU448259
86 98 34 2019,05,22 1940,05,01 82 80 33 28 1936,05,01 2019,05,11 106 104 85 29	$\begin{array}{c} 0.91868516\\$	Antibiotics Antibiotics	0TU444652 0TU44502 0TU446022 0TU446022 0TU44622 0TU44632 0TU447320 0TU447320 0TU447320 0TU447320 0TU447455 0TU44705 0TU448006 0TU44806 0TU448059 0TU44805 0TU44805 0TU44805 0TU44805
86 98 34 2019,05,22 1940,05,01 82 80 33 28 1936,05,01 2019,05,18 106 104 85 29 35	0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516 0.91868516	Antibiotics Antibiotics	01U444652 0TU445606 0TU446022 0TU446022 0TU446721 0TU44731 0TU44731 0TU44731 0TU44730 0TU44730 0TU44730 0TU447405 0TU447405 0TU448052 0TU448052 0TU448259 0TU49678 0TU49678 0TU49678
86 98 34 2019,05,22 1940,05,01 82 80 33 28 1936,05,01 2019,05,18 106 104 85 29 35 40	$\begin{array}{c} 0.91868516\\$	Antibiotics Antibiotics	OTU444652 OTU446022 OTU446022 OTU446022 OTU446022 OTU447131 OTU44731 OTU44731 OTU447320 OTU44735 OTU447405 OTU447695 OTU447695 OTU44805 OTU44805 OTU44852 OTU44852 OTU505745 OTU505745 OTU505745 OTU52532 OTU52532 OTU52532
86 98 34 2019,05,22 1940,05,01 82 80 33 28 1936,05,01 2019,05,18 106 104 85 29 35 40 0 20 20 20 20 20 20 20 20 20 20 20 20	$\begin{array}{c} 0.91868516\\ 0.9186856\\ 0.9186856\\ 0.9186856\\ 0.9186856\\ 0.9186856\\ 0.9186856\\ 0.918$	Antibiotics Antibiotics	0TU444652 0TU445606 0TU446022 0TU446022 0TU446721 0TU447131 0TU44731 0TU44731 0TU44730 0TU44730 0TU447405 0TU447405 0TU447405 0TU448132 0TU44803 0TU448259 0TU448259 0TU49678: 0TU505742 0TU55320 0TU55320
86 98 34 2019,05,22 1940,05,01 82 80 33 33 28 1936,05,01 2019,05,18 106 104 85 29 35 40 89	$\begin{array}{c} 0.91868516\\$	Antibiotics Antibiotics	OTU444652 OTU446526 OTU446022 OTU446022 OTU446022 OTU446022 OTU446022 OTU44602 OTU44602 OTU447131 OTU447336 OTU447356 OTU447695 OTU447695 OTU447895 OTU50574' OTU625320 OTU74351
86 98 34 2019,05,22 1940,05,01 82 80 33 28 1936,05,01 2019,05,18 106 104 85 29 35 40 89 31	$\begin{array}{c} 0.91868516\\$	Antibiotics Antibiotics	OTU444652 OTU444506 OTU445006 OTU446721 OTU446721 OTU447131 OTU447320 OTU44730 OTU447305 OTU447305 OTU447405 OTU447405 OTU448132 OTU448032 OTU448132 OTU448259 OTU448259 OTU448259 OTU448250 OTU448132 OTU54232(OTU55430) OTU55430 OTU75514
86 98 34 2019,05,22 1940,05,01 82 80 33 33 2019,05,01 2019,05,18 106 104 85 29 35 40 89 31 1938,05 01	$\begin{array}{c} 0.91868516\\$	Antibiotics Antibiotics	OTU444652 OTU446526 OTU446022 OTU446022 OTU446721 OTU44612 OTU44612 OTU44612 OTU44731 OTU44731 OTU44731 OTU44731 OTU44731 OTU447350 OTU447365 OTU447655 OTU447655 OTU447655 OTU448259 OTU55144 OTU55430 OTU75514 OTU75154

395	1	LocalCorticosteroids	010362390		1934,05,01	0.91868516	Antibiotics	010819937
372	1	LocalCorticosteroids	OTU370134		115	0.91868516	Antibiotics	OTU837884
423	1	LocalCorticosteroids	OTU370309		1934,05,01	0.91868516	Antibiotics	OTU851668
396	1	LocalCorticosteroids	OTU4021335		31	0.91868516	Antibiotics	OTU851917
410	1	LocalCorticosteroids	OTU4047452		92	0.91868516	Antibiotics	OTU851925
358	1	LocalCorticosteroids	OTU/303697		40	0.91868516	Antibiotics	0TU912906
275.5	1	LecalConticosteroida	0104303037	-	10	0.01969516	Antibiotics	010912900
373.3	1		0104318084	-	15	0.91808510	Antibiotics	010312337
378	1	LocalCorticosteroids	0104327300	-	82	0.91868516	Antibiotics	010939371
377.5	1	LocalCorticosteroids	0104348347		1626	0.91868516	VitaminDanalogs	0101004369
402	1	LocalCorticosteroids	OTU4349519		2055	0.91868516	VitaminDanalogs	OTU1036883
375.5	1	LocalCorticosteroids	OTU4349522		1998,05,01	0.91868516	VitaminDanalogs	OTU103810
405	1	LocalCorticosteroids	OTU4350124		2066	0.91868516	VitaminDanalogs	OTU1096610
394	1	LocalCorticosteroids	OTU4408996		1852	0.91868516	VitaminDanalogs	OTU1107940
390	1	LocalCorticosteroids	OTU4421536		1912 05 01	0.91868516	VitaminDanalogs	OTU1131523
392	1		0TU4422718	-	1664	0.91868516	VitaminDanalogs	01111/1278
201	1	LocalCorticosteroids	0104422710	-	1050	0.01868516	VitaminDanalogs	01014270
202 5	1	LocalConticosteroids	0104439089	-	1939	0.91868516	VitaminDanaiogs	010203023
393.5	1	LocalCorticosteroids	0104440643	-	1534	0.91868516	VitaminDanalogs	01025259
369.5	1	LocalCorticosteroids	0TU4446521		2019	0.91868516	VitaminDanalogs	01025478
353.5	1	LocalCorticosteroids	OTU4467218		1980	0.91868516	VitaminDanalogs	OTU279980
376	1	LocalCorticosteroids	OTU4471315		1648	0.91868516	VitaminDanalogs	OTU282360
386	1	LocalCorticosteroids	OTU4473201		2043	0.91868516	VitaminDanalogs	OTU370134
407	1	LocalCorticosteroids	OTU4474056		1578	0.91868516	VitaminDanalogs	OTU403853
304	1	LocalCorticostoroids	OTU///81323		1638	0.91868516	VitaminDanalogs	011/047452
200 5	1	LocalCorticosteroids	0104401323	-	1030	0.01969516	VitaminDanalogs	0104047452
599.5	1	LocalConticosteroids	010303749	-	1371	0.91808310	VitaminDanalogs	0104294334
413	1	LocalCorticosteroids	010511475	_	1582	0.91868516	VitaminDanalogs	0104303697
380.5	1	LocalCorticosteroids	OTU610043		1939,05,01	0.91868516	VitaminDanalogs	OTU4306540
395	1	LocalCorticosteroids	OTU625320		1895	0.91868516	VitaminDanalogs	OTU4309323
378	1	LocalCorticosteroids	OTU755148		1590	0.91868516	VitaminDanalogs	OTU4317476
388	1	LocalCorticosteroids	OTU761594]	1627	0.91868516	VitaminDanalogs	OTU4318084
380.5	1	LocalCorticosteroids	OTU819937		1880	0.91868516	VitaminDanalogs	OTU4327286
385.5	1	LocalCorticosteroids	010810500	-	2019.05.01	0.91868516	VitaminDanalogs	011/13/689/
303.5	1		010820092	-	2013,03,01	0.91808510	VitaminDanalogs	0104340834
390.5	1	LocalCorticosteroids	010912906	-	1039	0.91868516	VitaminDanaiogs	0104349522
410.5	1	LocalCorticosteroids	010912997		1980	0.91868516	VitaminDanalogs	0104349859
415	1	LocalCorticosteroids	OTU987144		1663.5	0.91868516	VitaminDanalogs	OTU4353642
381.5	1	LocalCorticosteroids	OTU1003210		1648	0.91868516	VitaminDanalogs	OTU4354809
431	1	LocalCorticosteroids	OTU1036883		1933,05,01	0.91868516	VitaminDanalogs	OTU4369229
360.5	1	LocalCorticosteroids	OTU103810		1600	0.91868516	VitaminDanalogs	OTU4408996
366	1	LocalCorticosteroids	OTU1081372		1983	0.91868516	VitaminDanalogs	OTU4422718
295	1	LocalCorticosteroids	0101001372	-	1054	0.01969516	VitaminDanalogs	0104422710
365	1	LocalConticosteroids	0101107540	-	1534	0.91808510	VitaminDanalogs	0104433083
359	1	LocalCorticosteroids	0101131523	-	1570	0.91868516	VitaminDanaiogs	0104440643
401	1	LocalCorticosteroids	01013445	_	1962,05,01	0.91868516	VitaminDanalogs	0104456068
411	1	LocalCorticosteroids	01014278		1891	0.91868516	VitaminDanalogs	0104460228
374	1	LocalCorticosteroids	OTU164003		1905,05,01	0.91868516	VitaminDanalogs	OTU4468125
404	1	LocalCorticosteroids	OTU20360		1622	0.91868516	VitaminDanalogs	OTU4473201
396	1	LocalCorticosteroids	OTU2110555		1910	0.91868516	VitaminDanalogs	OTU4473664
375.5	1	LocalCorticosteroids	OTU247720	1	1569.5	0.91868516	VitaminDanalogs	OTU4480063
386	1	LocalCorticosteroids	OTU25478		1470 5	0.91868516	VitaminDanalogs	0TU496787
424 5	1	LocalCorticosteroids	01025476	-	1909 5	0.01969516	VitaminDanalogs	010430707
424.3	1	LocalConticosteroids	010283370	-	2050.3	0.91808510	VitaminDanalogs	010311473
410	1	LocalCorticosteroids	0103208510	-	2050	0.91868516	VitaminDanalogs	010610043
395.5	1	LocalCorticosteroids	010360483	-	1529	0.91868516	VitaminDanalogs	010837884
395	1	LocalCorticosteroids	OTU362390		1994	0.91868516	VitaminDanalogs	OTU851668
372	1	LocalCorticosteroids	OTU370134		1958	0.91868516	VitaminDanalogs	OTU851925
423	1	LocalCorticosteroids	OTU370309		1971	0.91868516	VitaminDanalogs	OTU940083
396	1	LocalCorticosteroids	OTU4021335		1880.5	0.91868516	VitaminDanalogs	OTU995817
410	1	LocalCorticosteroids	OTU4047452		1021	0.91868516	TAR tonical	OTU1003210
358	1	LocalCorticosteroids	0TU/303697		087	0.91868516	TAB topical	0TU1081372
275 5	1	LocalCorticosteroids	0104303037	-	1007 5	0.01868516	TAR.topical	0101001572
3/3.3	1	LocalCorticosteroids	0104318084	-	1007.5	0.91868516	TAR.topical.	0101096610
3/8	1	LocalCorticosteroids	0104327300	4	1055.5	0.91868516	TAR. topical.	0101131523
377.5	1	LocalCorticosteroids	0104348347	4	1020	0.91868516	IAR.topical.	01013445
402	1	LocalCorticosteroids	OTU4349519	1	1243	0.91868516	TAR.topical.	OTU164003
375.5	1	LocalCorticosteroids	OTU4349522		1046.5	0.91868516	TAR.topical.	OTU20360
405	1	LocalCorticosteroids	OTU4350124	1	1241	0.91868516	TAR.topical.	OTU205025
394	1	LocalCorticosteroids	OTU4408996	1	1226	0.91868516	TAR.topical.	OTU25259
390	1	LocalCorticosteroids	OTU4421536	1	959.5	0.91868516	TAR.topical	OTU285376
302	1	LocalCorticosteroids	OTU4/22719	1	1346.5	0.91868516	TAB topical	0112901965
392	1		0104422/18	1	1340.3	0.01000010	TAD to 1	0102901905
186	1	LocalConticosteroids	0104439089	4	1255	0.91668516	TAR. LOPICAL	0103208510
393.5	1	LocalCorticosteroids	0104440643	4	1060	0.91868516	IAR.topical.	010362390
369.5	1	LocalCorticosteroids	OTU4446521	1	1008.5	0.91868516	TAR.topical.	OTU370309
353.5	1	LocalCorticosteroids	OTU4467218		1057	0.91868516	TAR.topical.	OTU4299324
376	1	LocalCorticosteroids	OTU4471315	1	1004	0.91868516	TAR.topical.	OTU4301457
386	1	LocalCorticosteroids	OTU4473201	1	1338.5	0.91868516	TAR.topical.	OTU4306540
407	1	LocaCorticosteroids	OTU4474056	1	1254	0.91868516	TAR.tonical	OTU4309323
304	1	LocalCorticostoroids	OTU//91222	1	1265 5	0.91868516	TAR topical	OTU/219094
394	1		0104401323	1	10145	0.01000010	TAD to start	0104316084
399.5	1	LocalCorticosteroids	010505749	4	1014.5	0.91868516	TAR.topical.	0104327286
413	1	LocalCorticosteroids	010511475	4	994	0.91868516	IAR.topical.	0104327300
380.5	1	LocalCorticosteroids	OTU610043	1	1053.5	0.91868516	TAR.topical.	OTU4349519
395	1	LocalCorticosteroids	OTU625320]	947	0.91868516	TAR.topical.	OTU4349522
378	1	LocalCorticosteroids	OTU755148]	1269	0.91868516	TAR.topical.	OTU4349859
388	1	LocalCorticosteroids	OTU761594	1	1244.5	0.91868516	TAR.topical.	OTU4350124
380 5	1	LocalCorticosteroids	OTU819937	1	1231	0.91868516	TAB topical	OTI14353642
300.3 20F F	1		010013337	1	1275	0.019606010	TAD topical	0104333042
385.5	1	LocalCorticosteroids	010820692	4	12/5	0.91868516	TAR.topical.	0104354809
390.5	1	LocalCorticosteroids	010912906	J	1014.5	0.91868516	TAR.topical.	0104369229

410.5	1	LocalCorticosteroids	010912997	1	1044	0.91868516	IAR.topical.	0104411187
415	1	LocalCorticosteroids	OTU987144		1053	0.91868516	TAR.topical.	OTU4422718
813	1	Phototherapy	OTU1036883		922	0.91868516	TAR.topical.	OTU4446521
880	1	Phototherapy	OTU103810		1384.5	0.91868516	TAR.topical.	OTU4456068
824	1	Phototherapy	OTU1081372		1026	0.91868516	TAR.topical.	OTU4476950
826	1	Phototherapy	OTU1096610		1040	0.91868516	TAR.topical.	OTU4480063
840	1	Phototherapy	OTU1107940		974	0.91868516	TAR.topical.	OTU4481323
844	1	Phototherapy	OTU1131523		1038	0.91868516	TAR.topical.	OTU565753
861	1	Phototherapy	OTU114999		1316	0.91868516	TAR.topical.	OTU74351
842	1	Phototherapy	OTU164003	1	962	0.91868516	TAR.topical.	OTU820692
830	1	Phototherapy	OTU205025	1	1269.5	0.91868516	TAR.topical.	OTU837884
840	1	Phototherapy	OTU247720	1	965	0.91868516	TAR.topical.	OTU851917
819	1	Phototherapy	OTU279980	1	1292	0.91868516	TAR.topical.	OTU851925
867.5	1	Phototherapy	OTU282360	1	1031	0.91868516	TAR.topical.	OTU912906
807	1	Phototherapy	OTU285376	1	1337	0.91868516	TAR.topical.	OTU987144
812	1	Phototherapy	OTU3208510	1	903.5	0.91868516	TAR.topical.	OTU995817
892.5	1	Phototherapy	OTU362390	1	1205	0.91868516	Photochemotherapy	OTU1003210
878	1	Phototherapy	OTU370134	1	1209	0.91868516	Photochemotherapy	0111004369
793	1	Phototherapy	010370104	1	964	0.91868516	Photochemotherapy	0101004303
816	1	Phototherapy	OTU378096	1	1205	0.91868516	Photochemotherapy	0101001572
970	1	Phototherapy	010378050	{	1265	0.01868516	Photochemotherapy	0101050010
704	1	Phototherapy	0104021555	4	1203	0.91808310	Photochemotherapy	01023478
794	1	Phototherapy	0104047452	4	12425	0.91868516	Photochemotherapy	010279980
840	1	Phototherapy	0104294554	4	1243.5	0.91868516	Photochemotherapy	010285376
//6	1	Phototherapy	0104301457	4	947	0.91868516	Photochemotherapy	010360483
829	1	Phototherapy	0104303697	4	969.5	0.91868516	Photochemotherapy	010370134
805.5	1	Phototherapy	OTU4318084	4	1009	0.91868516	Photochemotherapy	OTU378096
853	1	Phototherapy	OTU4327300	1	1042	0.91868516	Photochemotherapy	OTU3841245
793	1	Phototherapy	OTU4346894	1	1215	0.91868516	Photochemotherapy	OTU4303697
876	1	Phototherapy	OTU4349522		1240.5	0.91868516	Photochemotherapy	OTU4306540
861	1	Phototherapy	OTU4353642		1270	0.91868516	Photochemotherapy	OTU4309323
834	1	Phototherapy	OTU4408996		1306	0.91868516	Photochemotherapy	OTU4317476
818	1	Phototherapy	OTU4421536]	974.5	0.91868516	Photochemotherapy	OTU4346894
871	1	Phototherapy	OTU4422718		918	0.91868516	Photochemotherapy	OTU4348347
856	1	Phototherapy	OTU4439089]	1005	0.91868516	Photochemotherapy	OTU4354809
787	1	Phototherapy	OTU4449324	1	1252	0.91868516	Photochemotherapy	OTU4369229
788	1	Phototherapy	OTU4468125	1	1313.5	0.91868516	Photochemotherapy	OTU4411187
802.5	1	Phototherapy	OTU4471315	1	1253	0.91868516	Photochemotherapy	OTU4422718
837	1	Phototherapy	OTU4474056	1	1307	0.91868516	Photochemotherapy	OTU4439089
856	1	Phototherapy	OTU4476950	1	1005	0.91868516	Photochemotherapy	OTU4449324
847	1	Phototherapy	OTU4482598	1	1000	0.91868516	Photochemotherapy	OTU4456068
856	1	Phototherapy	OTU565753	1	1244.5	0.91868516	Photochemotherapy	OTU4468125
882.5	1	Phototherapy	OTU625320	1	1213	0.91868516	Photochemotherapy	OTU4471315
835	1	Phototherapy	010654307	1	1213	0.91868516	Photochemotherapy	011/473664
815.5	1	Phototherapy	010054507	1	1259	0.91868516	Photochemotherapy	0104473004
015.5	1	Bhototherapy	010/01007	1	1235	0.01969516	Photoshemotherapy	0104401323
946	1	Dhotothorapy	010819937	{	1230	0.01969516	Photochemotherapy	010303733
040	1	Phototherapy	010820092	4	1209	0.91868516	Photochemotherapy	010034307
047	1	Phototherapy	010912906	4	1207	0.91868516	Photochemotherapy	01074551
839.5	1	Phototherapy	010912997	4	1187	0.91868516	Photochemotherapy	010761594
870.5	1	Phototherapy	010939571	4	1279.5	0.91868516	Photochemotherapy	010851668
801.5	1	Topicalcalcineurininhibitors	0101003210	4	1222	0.91868516	Photochemotherapy	010912906
812	1	lopicalcalcineurininhibitors	0101036883	4	1200	0.91868516	Photochemotherapy	010912997
811	1	Topical calcineurininhibitors	0101081372		1290	0.91868516	Photochemotherapy	010940083
876.5	1	Topical calcineurininhibitors	OTU1107940		1226	0.91868516	Photochemotherapy	OTU987144
810	1	Topical calcineurininhibitors	OTU114999		289	0.91868516	SystemicCorticosteroids	OTU1004369
842	1	Topical calcineurininhibitors	OTU25259		288	0.91868516	SystemicCorticosteroids	OTU1036883
832	1	Topical calcineurininhibitors	OTU282360		293	0.91868516	SystemicCorticosteroids	OTU103810
869	1	Topical calcineurininhibitors	OTU370134		157.5	0.91868516	SystemicCorticosteroids	OTU1096610
860	1	Topical calcineurininhibitors	OTU370309		164	0.91868516	SystemicCorticosteroids	OTU13445
796	1	Topicalcalcineurininhibitors	OTU378096	1	327	0.91868516	SystemicCorticosteroids	OTU205025
784	1	Topical calcineurininhibitors	OTU4047452]	329	0.91868516	SystemicCorticosteroids	OTU2110555
830	1	Topical calcineurininhibitors	OTU4303697	1	186.5	0.91868516	SystemicCorticosteroids	OTU247720
806	1	Topical calcineurininhibitors	OTU4327300	1	186	0.91868516	SystemicCorticosteroids	OTU279980
834.5	1	Topical calcineurininhibitors	OTU4348347	1	274.5	0.91868516	SystemicCorticosteroids	OTU2901965
885	1	Topical calcineurininhibitors	OTU4350124	1	175.5	0.91868516	SystemicCorticosteroids	OTU370134
896	1	Topicalcalcineurininhibitors	OTU4354809	1	174.5	0.91868516	SystemicCorticosteroids	OTU370309
773	1	Topicalcalcineurininhibitors	OTU4449324	1	188	0.91868516	SystemicCorticosteroids	OTU3841245
836	1	Topicalcalcineurininhibitors	0TU/473201	1	285	0.91868516	SystemicCorticosteroids	011/021335
822	1	Topical calcineurininhibitors	OTU//7366/	1	1/2	0.91868516	SystemicCorticosteroids	011103823
806.5	1	Topical calcinour in inhibitors	0104475004	1	272	0.01969516	SystemicCorticosteroids	010403033
817 E	1	Topical calcineurininhibitor	OTU//01222	1	154	0.01860516	SystemicCorticosteroids	011/200224
01/.3	1	Topical calcing wining to the test	0104481323	1	134	0.010000010	SystemicCorticosteroids	0104299324
805		Topical calcineurininnibitors	010565753	{	1//	0.91808516	SystemicCorticosteroids	0104301457
835.5	1	Topicalcalcineurininnibitors	010610043	{	1/9.5	0.91868516	SystemicCorticosteroids	0104306540
824	1	Iopicalcalcineurininhibitors	010625320	4	293	0.91868516	systemicCorticosteroids	0104309323
808	1	Iopical calcineurininhibitors	010654307	{	298	0.91868516	SystemicCorticosteroids	0104317476
823	1	[opicalcalcineurininhibitors	010755148	4	285	0.91868516	SystemicCorticosteroids	0TU4318084
877.5	1	Fopical calcineurininhibitors	OTU820692	1	301.5	0.91868516	SystemicCorticosteroids	OTU4327286
806	1	Topical calcineurininhibitors	OTU851925	l	172	0.91868516	SystemicCorticosteroids	OTU4348347
789.5	1	Topical calcineurininhibitors	OTU883806	1	280	0.91868516	SystemicCorticosteroids	OTU4349522
829	1	Topical calcineurininhibitors	OTU912906		294	0.91868516	SystemicCorticosteroids	OTU4349859
882	1	Topical calcineurininhibitors	OTU987144		126	0.91868516	SystemicCorticosteroids	OTU4421536
750.5	1	SystemicCorticosteroids	OTU103810	1	134	0.91868516	SystemicCorticosteroids	OTU4439089
691	1	SystemicCorticosteroids	OTU1107940	1	162.5	0.91868516	SystemicCorticosteroids	OTU4440643
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100 1 Systemic clinic served. 010119930 993 1 Systemic clinic served. 010119930 715.5 1 Systemic clinic served. 010119930 715.5 1 Systemic clinic served. 010119930 715.5 1 Systemic clinic served. 01012930 716 1 Systemic clinic served. 01012930 716 1 Systemic clinic served. 01012930 716 1 Systemic clinic served. 010129301 716 1 Systemic clinic served. 010129301 717 1 Systemic clinic served. 010129301 717 1 Systemic clinic served. 010120301 717 1 Systemic clinic served. 010121304	720			071110 40000	1 F	100		6 1 1 6 11 1 11	071144465.24
00 1 Systemic Carlo brownshi, 00104730 772 1 Systemic Carlo brownshi, 00104730 773 1 Systemic Carlo brownshi, 00104730 774 1 Systemic Carlo brownshi, 00104730 775 1 Systemic Carlo brownshi, 00104730 776 1 Systemic Carlo brownshi, 00104730 777 1 Systemic Carlo brownshi, 00104730 776 1 Systemic Carlo brownshi, 00104730 777 1 Systemic Carlo brownshi, 00104730 777 1 Systemic Carlo brownshi, 00104730 777 1 Systemic Carlo brownshi, 001041310 777 1 <td< td=""><td>/28</td><td>1</td><td>SystemicCorticosteroids</td><td>010164003</td><td>4 4</td><td>126</td><td>0.91868516</td><td>SystemicCorticosteroids</td><td>0104446521</td></td<>	/28	1	SystemicCorticosteroids	010164003	4 4	126	0.91868516	SystemicCorticosteroids	0104446521
69 1 Systemic Carticolaresb. 0112705 715 1 Systemic Carticolaresb. 01142700 761 1 Systemic Carticolaresb. 01142700 763 1 Systemic Carticolaresb. 01142370 763 1 Systemic Carticolaresb. 0112370 775 1 Systemic Carticolaresb. 0112370 776 1 Systemic Carticolaresb. 01124170 777 1 Systemic Carticolaresb. 01124170 778 1 Systemic Carticolaresb. 01124170 779 1 Systemic Carticolaresb. 01124170 771 1 Systemic Carticolaresb. 01124170 773 1 Systemic Carticolaresb. 01124170 774	699	1	SystemicCorticosteroids	OTU20360		286	0.91868516	SystemicCorticosteroids	OTU4449324
113 1 Systemic Circ Gerends 0102/170 717 4 Systemic Circ Gerends 01024/20 717 1 Systemic Circ Gerends 01024/20 718 1 Systemic Circ Gerends 01024/20 718 1 Systemic Circ Gerends 01024/20 718 1 Systemic Circ Gerends 01024/20 719 1 Systemic Circ Gerends 01024/20 710 1 Systemic Circ Gerends 01024/20 711 1 Systemic Circ Gerends 01024/20 712 1 Systemic Circ Gerends 010421/20 711 1 Systemic Circ Gerends 010421/20 712 1 Systemic Circ Gerends 010421/20 713 1 Systemic Circ Gerends 010421/20 714 1 Systemic Circ Gerends 010421/20 715 1 Systemic Circ Gerends 010421/20 716 1 Systemic Circ Gerends 010421/20 717 1	693	1	SystemicCorticosteroids	OTU2110555	1 Г	161	0.91868516	SystemicCorticosteroids	OTU4456068
10.0 1 Systemic Chicolareadi, Di 12, 2014 101 <t< td=""><td>715.5</td><td>1</td><td>Customic Continentenside</td><td>0102110555</td><td>4 F</td><td>101</td><td>0.01000510</td><td>Systemiceorticosteroids</td><td>01114400000</td></t<>	715.5	1	Customic Continentenside	0102110555	4 F	101	0.01000510	Systemiceorticosteroids	01114400000
1 Systemic Controlswords 0703/37 201 0 9188316 Systemic Controlswords 070447 2005 1 Systemic Controlswords 070447 070447 2005 1 Systemic Controlswords 070447 070447 070447 2005 1 Systemic Controlswords 070447 070	/15.5	1	SystemicCorticosteroids	010247720	4 4	130	0.91808510	SystemicCorticosteroids	0104460228
51 1 Systemic Controlevends 07129376 746.5 1 Systemic Controlevends 07129379 746.5 1 Systemic Controlevends 07129379 747.5 1 Systemic Controlevends 07129379 747.6 1 Systemic Controlevends 07129379 747.7 1 Systemic Controlevends 071293717 747.7 1 Systemic Controlevends 071293177 747.7 1 Systemic Controlevends 0711493177 <t< td=""><td>727</td><td>1</td><td>SystemicCorticosteroids</td><td>OTU25259</td><td></td><td>291</td><td>0.91868516</td><td>SystemicCorticosteroids</td><td>OTU4467218</td></t<>	727	1	SystemicCorticosteroids	OTU25259		291	0.91868516	SystemicCorticosteroids	OTU4467218
1 Speared carticological 010/99/0165 205.5 1 Speared carticological 010/99/016 214.5 1 Speared carticological 010/99/016 214.5 1 Speared carticological 010/99/016 214.5 1 Speared carticological 010/99/016 217.7 1 Speared carticological 010/99/017 218.6 1 Speared carticological 010/99/017 219.7 1 Speared carticological 010/99/017 219.7 1 Speared carticological 010/99/01	651	1	SystemicCorticosteroids	OTU285376	1 1	271	0.91868516	SystemicCorticosteroids	OT14473201
1 System 1000000000000000000000000000000000000	746.5	1	Systemicconticosteroids	010203370	4 -	2/1	0.010000010	Systemicconticosteroids	0104475201
100 1 Systemic Control contends 01132001 754.5 1 Systemic Control contends 00102001 767.7 1 Systemic Control contends 001049713 767.7 1 Systemic Control contends 001049713 767.8 1 Systemic Control contends 001049712 767.9 1 Systemic Control contends 001049712 767.9 1 Systemic Control contends 001041776 767.9 1 Systemic Control contends 001041776 767.5 1 Systemic Control contends 001041776 767.5 1 Systemic Control contends 001041776 766.5 1 Systemic Control contends 001041776 767.5 1 Systemic Control contends 001041277 766.5 1 Systemic Control contends 001041277 767.5 1 Systemic Control contends 001041277 767.5 1 Systemic Control contends 001041277 767.5 1 Systemic Control con	/46.5	1	SystemicCorticosteroids	0102901965	J L	297.5	0.91868516	SystemicCorticosteroids	0104476950
1 Systemic Criticaterials 011012300 706 1 Systemic Criticaterials 01101014 071 1 Systemic Criticaterials 01101014 071 1 Systemic Criticaterials 01101014 071 1 Systemic Criticaterials 01101114 071 1 Systemic Criticaterials 011011147 071 1 Systemic Criticaterials 011011147 071 1 Systemic Criticaterials 011011147 071 1 Systemic Criticaterials 011111476 0710 1 Systemic Criticaterials 011111476 0711 Systemic Criticaterials 011111176 011101011 0712 Systemic Criticaterials 011111177 011101011 0713 Systemic Criticaterials 01111117 011101011 0713 Systemic Criticaterials 01111117 011101011 0713 Systemic Criticaterials 011111101 01111101 0713 Systemic Criticaterials 011111111 01111111 </td <td>700.5</td> <td>1</td> <td>SystemicCorticosteroids</td> <td>OTU3208510</td> <td></td> <td>122</td> <td>0.91868516</td> <td>SystemicCorticosteroids</td> <td>OTU4480063</td>	700.5	1	SystemicCorticosteroids	OTU3208510		122	0.91868516	SystemicCorticosteroids	OTU4480063
706 1 Speams (criticoareads) 011/9714 762 1 Speams (criticoareads) 0114/97115 741 1 Speams (criticoareads) 0114/97115 743 1 Speams (criticoareads) 0114/9715 749 3 Speams (criticoareads) 0114/9716 749 3 Speams (criticoareads) 0114/9716 747 Speams (criticoareads) 0114/9726 112 0318/0511 Speams (criticoareads) 0114/9726 745 Speams (criticoareads) 0114/9726 112 0318/0511 Speams (criticoareads) 0114/9726 745 Speams (criticoareads) 0114/9726 113 0318/0511 Potochargay 0111/9726 745 Speams (criticoareads) 0114/97276 113 0318/0511 Potochargay 0111/9726 747 Speams (criticoareads) 0114/97276 113 0318/0511 Potochargay 0111/9726 747 Speams (criticoareads) 0114/97276 113 0318/0511 Potochargay 0111/9726 </td <td>754.5</td> <td>1</td> <td>SystemicCorticostoroids</td> <td>OTU362300</td> <td>1 1</td> <td>186.5</td> <td>0.01868516</td> <td>SystemicCorticostoroids</td> <td>0TU/06787</td>	754.5	1	SystemicCorticostoroids	OTU362300	1 1	186.5	0.01868516	SystemicCorticostoroids	0TU/06787
10b 1 Systemic Criticonstrols 01101114 74 1 Systemic Criticonstrols 011011762 74 1 Systemic Criticonstrols 011111776 745 1 Systemic Criticonstrols 011111778 745 1 Systemic Criticonstrols 011111778 745 1 Systemic Criticonstrols 011111778 746 1 Systemic Criticonstrols 0111111778 747 1 Systemic Criticonstrols 0111111177 748 1 Systemic Criticonstrols 01111111177 747 1 Systemic Criticonstrols 0111111111111111111111111111111111111	734.5	1	Systemicconticosteroids	010302330	4 4	100.5	0.51808510	Systemicconticosteroius	010450787
6.72 1 Systems(Carticolaroids) 011101/152 741 1.1 Systems(Carticolaroids) 0110414/32 769 1 Systems(Carticolaroids) 0110414/32 769 1 Systems(Carticolaroids) 0110417/76 769 1 Systems(Carticolaroids) 0111317/76 769 1 Systems(Carticolaroids) 0111317/76 767 1 Systems(Carticolaroids) 0111317/76 768 1 Systems(Carticolaroids) 01113162 768 1 Systems(Carticolaroids) 0111415017 768 1 Systems(Carticolaroids) 0111415017 768 1 Systems(Carticolaroids) 0111415017 767 1 Systems(Carticolaroids) 0111415017 768 1 Systems(Carticolaroids) 0111415017 767 1 Systems(Carticolaroids) 0111415017 768 1 Systems(Carticolaroids) 0111415017 777 1 Systems(Carticolaroids) 0111440028 <	706	1	SystemicCorticosteroids	010370134		166	0.91868516	SystemicCorticosteroids	OTU505749
P41 1 Spermul Carlosaevals 0114047422 678 1 Spermul Carlosaevals 011410147 678 1 Spermul Carlosaevals 011430147 678 1 Spermul Carlosaevals 011430147 678 1 Spermul Carlosaevals 011431047 678 1 Spermul Carlosaevals 0114430174 779 1 Spermul Carlosaevals 0114430174 678 1 Spermul Carlosaevals 0114430174 779 1 Spermul Carlosaevals 011443017 771 Spermul Carlosaevals 0114401742 773 Spermul Carlosaevals 011440172 776 Spermul Carlosaevals 011440172 <td>672</td> <td>1</td> <td>SystemicCorticosteroids</td> <td>OTU4021335</td> <td>1 Г</td> <td>171.5</td> <td>0.91868516</td> <td>SystemicCorticosteroids</td> <td>OTU610043</td>	672	1	SystemicCorticosteroids	OTU4021335	1 Г	171.5	0.91868516	SystemicCorticosteroids	OTU610043
1 2020000000000000000000000000000000000	741	1	SustamicCarticastoraida	01114047452	1 F	124	0.01969516	SustamicCarticastoraida	011625220
6.9 1 Systemic Criticaterials 011481457 69.5 1 Systemic Criticaterials 001148107 717 1 Systemic Criticaterials 0011410204 717.5 1 Systemic Criticaterials 0011410204 718.5 1 Systemic Criticaterials 00114101204 719.5 1 Systemic Criticaterials 00114401204 717.5 1 Systemic Criticaterials 00114401204 717.5 1 Systemic Criticaterials 0011440204 717.6 1 Systemic Criticaterials 0011440204 717.6 1 Systemic Criticaterials 0011440204 717.7 1 Systemic Criticaterials 0011440204 717.7 1 Systemic Criticaterials	/41	1	Systemicconticosteroids	0104047432	4 4	154	0.91808510	systemicconticosteroius	010023320
699 1 SystemiCarticizations 0114320877 695.5 1 SystemiCarticizations 011413745 717 1 SystemiCarticizations 01141304 718 0 0116516 SystemiCarticizations 01171104 718.5 1 SystemiCarticizations 01141404 135 02186516 SystemiCarticizations 01111144 718.5 1 SystemiCarticizations 011414912 1490 02186516 SystemiCarticizations 01111144 767 1 SystemiCarticizations 011441912 1490 02186516 Photolheagy 01101114 767 1 SystemiCarticizations 0114421216 1813.5 03186516 Photolheagy 0110114 763 1 SystemiCarticizations 011442126 1813.5 03186516 Photolheagy 01101457 772 1 SystemiCarticizations 011444124 1711 03186516 Photolheagy 01101457 773 1 SystemiCarticizations 011444718 <	679	1	SystemicCorticosteroids	OTU4301457		154	0.91868516	SystemicCorticosteroids	OTU654307
199.5 1 SystemiCarticizations 01141174/06 717 1 SystemiCarticizations 01141174/06 718.5 1 SystemiCarticizations 01141174/06 718.5 1 SystemiCarticizations 01141174/07 64.5 1 SystemiCarticizations 011414174/07 74.5 1 SystemiCarticizations 011414174/07 74.5 1 SystemiCarticizations 0114149724 74.6 1 SystemiCarticizations 0114149724 74.7 1 SystemiCarticizations 0114149724 74.7 1 SystemiCarticizations 0114149724 74.7 1 SystemiCarticizations 0114419724 74.7 1 SystemiCarticizations 0114419724 74.1 SystemiCarticizations 0114449724 1142 05186516 Phototherapy 01102072 74.8 1 SystemiCarticizations 011444774 1143 05186516 Phototherapy 01104772 74.8 1 System	699	1	SystemicCorticosteroids	OTU4303697	1 Г	138	0.91868516	SystemicCorticosteroids	OTU74351
1 3prometical control and the control of	COFF	1	Contraction of the state of the	0114217476	1 F	170	0.010000510		011755140
717 1 Systemic Criticolates of D1413024 193.5 0.9186316 Systemic Criticolates of D1413024 705.1 1 Systemic Criticolates of D1413024 103.5 0.9186316 Systemic Criticolates of D1413024 768.1 1 Systemic Criticolates of D1413024 107.5 0.9186516 Systemic Criticolates of D1413024 768.5 1 Systemic Criticolates of D14130242 147.5 0.9186516 Protothrage O1103017 767.5 1 Systemic Criticolates of O114460272 147.5 0.9186516 Protothrage O1103017 767 1 Systemic Criticolates of O114460272 147.6 0.9186516 Protothrage O1103017 768 1 Systemic Criticolates of O1144460278 177.2 0.9186516 Protothrage O11027027 768 1 Systemic Criticolates of O1144460278 177.2 0.9186516 Protothrage O11027027 778 1 Systemic Criticolates of O114446728 177.2 0.9186516 Protothrage O11027027 778.1 Systemic Criticolates of O114446728 177.4 0.9186516 Protothrage O11027027	695.5	1	SystemicCorticosteroids	0104317476	4 4	170	0.91868516	SystemicCorticosteroids	010755148
66.5.5 1 Systemic Carticosteroids 011432728 708.5 1 Systemic Carticosteroids 011434751 707.5 1 Systemic Carticosteroids 011434752 707.1 1 Systemic Carticosteroids 011441753 707.1 1 Systemic Carticosteroids 011441713 707.1 1 Systemic Carticosteroids 011441713 707.1 1 Systemic Carticosteroids 011441713 708.1 Systemic Carticosteroids 011441713 717.1 1 Systemic Carticosteroids 011441713 718.3 1 Systemic Carticosteroids 011441713 719.3 1 Systemic Carticosteroids 011441713 719.3 1 Systemic Carticosteroids 011441713 719.3 1 Systemic Carticosteroids 0114417	717	1	SystemicCorticosteroids	OTU4318084		193.5	0.91868516	SystemicCorticosteroids	OTU761594
1005.5 1 Systemic Carticization is 1014145347 661 1 Systemic Carticization is 1014145347 706.5 1 Systemic Carticization is 0114145124 726.5 1 Systemic Carticization is 011415124 726.5 1 Systemic Carticization is 011415124 727.1 Systemic Carticization is 011415124 1400 51186516 Phototherapy 011101011 727.1 Systemic Carticization is 01144452156 1315 02186516 Phototherapy 01110101 727.1 Systemic Carticization is 0114445028 1472 02186516 Phototherapy 011101001 728.5 1 Systemic Carticization is 011445028 1472 02186516 Phototherapy 011100001 729.2 1 Systemic Carticization is 011445028 1472 02186516 Phototherapy 011100001 720.5 1 Systemic Carticization is 011445133 149 02186516 Phototherapy 011100001 721.5<	675.5	1	SystemicCorticostoroids	OTU/327286	1 1	132	0.01868516	SystemicCorticostoroids	OTU851668
1 Systemic Criticolarends 0101434347 1985 1 Systemic Criticolarends 010139327 1985 1 Systemic Criticolarends 0101439327 1975 1 Systemic Criticolarends 0101443928 1975 1 Systemic Criticolarends 0101443928 1975 1 Systemic Criticolarends 0101449218 1975 1 Systemic Criticolarends 0101449218 1975 1 Systemic Criticolarends 0101449218 1972 1 Systemic Criticolarends 0101449218 1973 1 Systemic Criticolarends 0101449218 1974 19368516 Phototheray 01023955 1974 19368516 Phototheray 01023957 1974 19368516 Phototheray 01023957 1974 </td <td>700.5</td> <td>1</td> <td>Systemicconticosteroids</td> <td>0104327200</td> <td>4</td> <td>132</td> <td>0.51000510</td> <td>Systemicconticosteroids</td> <td>010031000</td>	700.5	1	Systemicconticosteroids	0104327200	4	132	0.51000510	Systemicconticosteroids	010031000
661 1 Systemic Carticolarends OTUL438952 664.5 1 Systemic Carticolarends OTUL43012 765.5 1 Systemic Carticolarends OTUL43012 767.7 1 Systemic Carticolarends OTUL43012 767.8 1 Systemic Carticolarends OTUL43012 767.7 1 Systemic Carticolarends OTUL430271 767.7 1 Systemic Carticolarends OTUL4402713 767.7 1 Systemic Carticolarends OTUL447213 767.8 1 Systemic Carticolarends OTUL447213 772.0 1 Systemic Carticolarends OTUL447213 773.1 1 Systemic Carticolarends OTUL47213 774.8 1 Systemic Carticolarends OTUL47213 774.8 1 Systemic Carticolarends	708.5	1	SystemicCorticosteroids	0104348347	JL	179.5	0.91868516	SystemicCorticosteroids	010939571
1 Systemic Criticosteriolis 0701439522 706.5 1 Systemic Criticosteriolis 070110381 767.5 1 Systemic Criticosteriolis 0701496221 674 1 Systemic Criticosteriolis 0701496221 677 1 Systemic Criticosteriolis 0701498214 677 1 Systemic Criticosteriolis 0701492214 778 1 Systemic Criticosteriolis 0701492214 779 1 Systemic Criticosteriolis 0701492214 770 1 Systemic Criticosteriolis 070149214 773 1 Systemic Criticosteriolis 070149711 774 1 Systemic Criticosteriolis 070149711 775 1 Systemic Criticosteriolis 070149711	661	1	SystemicCorticosteroids	OTU4349519		269	0.91868516	SystemicCorticosteroids	OTU987144
1005.5 1 Systemic Carticolarea (ds) 0114390249 1255.5 1 Systemic Carticolarea (ds) 0114390249 147.1 Systemic Carticolarea (ds) 0114390249 147.2 1 Systemic Carticolarea (ds) 0114439249 147.1 Systemic Carticolarea (ds) 011443924 1497.5 01368516 Phototheray 011103961 167.2 1 Systemic Carticolarea (ds) 011443924 1497.5 01368516 Phototheray 011103961 167.2 1 Systemic Carticolarea (ds) 0114443124 1191.5 01368516 Phototheray 011024727 172.2 1 Systemic Carticolarea (ds) 011447138 1191.9 01368516 Phototheray 01124728 172.5 1 Systemic Carticolarea (ds) 011447138 1199.5 01388516 Phototheray 01124728 173.5 1 Systemic Carticolarea (ds) 0114473864 1173.6 03388516 Phototheray 01124293 167.5 1 Systemicarticolarea (ds) 01114473864	684.5	1	SystemicCorticosteroids	OTU/3/0522	1 F	1475	0.91868516	Phototherapy	OTU1003210
1 Systemic Carticolarends 0110439124 1490 0.3188516 Prototherapy 00110816 723.5 1 Systemic Carticolarends 011043912 1497 0.3188516 Prototherapy 01110316 747 1 Systemic Carticolarends 0110442136 1813 0.9188516 Prototherapy 01111352 747 1 Systemic Carticolarends 0110443024 1813 0.9188516 Prototherapy 01111352 748 1 Systemic Carticolarends 0110445068 1472 0.9188516 Prototherapy 01102352 768 1 Systemic Carticolarends 011044718 1733 0.9188516 Prototherapy 01102352 674 1 Systemic Carticolarends 011045741 1775 0.9188516 Prototherapy 011022352 675 1 Systemic Carticolarends 01050573 1776 0.9188516 Prototherapy 011042352 675 1 Systemic Carticolarends 01050573 1775 0.9188516 Prototherapy	084.5	1	Systemicconticosteroids	0104349322	4 4	14/3	0.91808510	Fliototherapy	0101003210
125.5 1 Sptemic/articoarteols 01/01482229 674 1 Sptemic/articoarteols 01/0148137 672 1 Sptemic/articoarteols 01/0148137 767 1 Sptemic/articoarteols 01/0148137 767 1 Sptemic/articoarteols 01/0148137 767 1 Sptemic/articoarteols 01/0148137 778 1 Sptemic/articoarteols 01/0148137 778 1 Sptemic/articoarteols 01/0148137 772 1 Sptemic/articoarteols 01/0147104 772 1 Sptemic/articoarteols 01/0147104 773 1 Sptemic/articoarteols 01/0147104 774 1 Sptemic/articoarteols 01/0147104 774 1 Sptemic/articoarteols 01/01571 774 1 Sptemic/articoarteols 01/01571 774 1 Sptemic/articoarteols 01/01571 775 1 Sptemic/articoarteols 01/01571 775	706.5	1	SystemicCorticosteroids	OTU4350124		1490	0.91868516	Phototherapy	OTU1036883
674 1 Systemic controlsmends OTU4409396 747 1 Systemic controlsmedio OTU43136 747 1 Systemic controlsmedio OTU4432136 755 1 Systemic controlsmedio OTU444324 757 1 Systemic controlsmedio OTU447135 758 1 Systemic controlsmedio OTU4471356 758 1 Systemic controlsmedio OTU4471356 767 1 Systemic controlsmedio OTU65730 767 1 Systemic controlsmedio OTU55730 768 1 Systemic controlsmedio OTU55730 769 1 Systemic controlsmedio OTU55730 769 1 Systemic controlsmedio OTU55730 7675 1 Systemic controlsmedio OTU55730 7675	725.5	1	SystemicCorticosteroids	OTU4369229	1 Г	1497.5	0.91868516	Phototherapy	OTU103810
b22 1 Systemic/corticostreols 071442138 1819.5 0.3386516 Phototherapy 07113552 747 1 Systemic/corticostreols 071442328 1829.5 0.3386516 Phototherapy 07113552 755 1 Systemic/corticostreols 071444324 1773.5 0.9386516 Phototherapy 071125502 768 1 Systemic/corticostreols 0714445248 1773.5 0.9386516 Phototherapy 071025052 763 1 Systemic/corticostreols 0714467218 1792.5 0.9386516 Phototherapy 071024772 765 1 Systemic/corticostreols 0714467313 1716 0.9386516 Phototherapy 07142305 675 1 Systemic/corticostreols 071655473 1726 0.9386516 Phototherapy 0714317 741 1 Systemic/corticostreols 071655473 1726 0.9386516 Phototherapy 0714317 743 1 Systemic/corticostreols 07165431 1726 0.9386516 <	674	1	SystemicCorticostoroida	0TU/408006	1 1	1474	0.01969516	Photothorapy	0TU1091272
br/z 1 Systemic/Corticostroids OTU442158 1819.5 0.91865516 Phototherapy OTU13152 755 1 Systemic/Corticostroids OTU442314 1793.5 0.71865516 Phototherapy OTU3052 773 1 Systemic/Corticostroids OTU446714 1793.5 0.71865516 Phototherapy OTU20059 773 1 Systemic/Corticostroids OTU4467218 1775.5 0.71865516 Phototherapy OTU20059 772.5 1 Systemic/Corticostroids OTU4467218 1775.5 0.71865516 Phototherapy OTU20059 674 1 Systemic/Corticostroids OTU456773 1775.5 0.71865716 Phototherapy OTU20059 674 1 Systemic/Corticostroids OTU55673 1775.6 0.71865716 Phototherapy OTU30592 673 1 Systemic/Corticostroids OTU55107 1855.5 0.9186516 Phototherapy OTU445022 674.5 1 Systemic/Corticostroids OTU55107 1855.5 1855.5 </td <td>0/4</td> <td>1</td> <td>Systemic controsteroids</td> <td>0104408996</td> <td>4 4</td> <td>14/4</td> <td>0.51000010</td> <td>Filototherapy</td> <td>01010013/2</td>	0/4	1	Systemic controsteroids	0104408996	4 4	14/4	0.51000010	Filototherapy	01010013/2
PA2 1 Systemic/corticosteroids OTU4422718 Patter Stress Patter Stress Patter Stress OTU1305 755 1 Systemic/corticosteroids OTU449324 1793 0.91868516 Phototherapy OTU2305 703 1 Systemic/corticosteroids OTU440228 173 0.91868516 Phototherapy OTU2305 715 1 Systemic/corticosteroids OTU440218 1819 0.91868516 Phototherapy OTU2305 716 1 Systemic/corticosteroids OTU440713 1741 0.91868516 Phototherapy OTU2305 678 1 Systemic/corticosteroids OTU55733 1749 0.91868516 Phototherapy OTU42932 673 1 Systemic/corticosteroids OTU55733 1805.5 0.91868516 Phototherapy OTU43152 6743 1 Systemic/corticosteroids OTU35141 185.5 0.91868516 Phototherapy OTU43152 6743 1 Systemic/corticosteroids OTU820502 1728 0.91868516	672	1	SystemicCorticosteroids	OTU4421536	j l	1819.5	0.91868516	Phototherapy	OTU1096610
755 1 Systemic/curicosmolds 0714449324 677 1 Systemic/curicosmolds 071444928 708 1 Systemic/curicosmolds 071446028 778 1 Systemic/curicosmolds 071446028 772 1 Systemic/curicosmolds 071446028 772.2 1 Systemic/curicosmolds 071447135 773.5 1 Systemic/curicosmolds 071447135 774.5 1 Systemic/curicosmolds 07142713 674 1 Systemic/curicosmolds 07149743 675 1 Systemic/curicosmolds 07165730 799 1 Systemic/curicosmolds 07165730 795 1 Systemic/curicosmolds 07175518 795 1 Systemic/curicosmolds 071745518 795 1 Systemic/curicosmolds 071745518 7975 1 Systemic/curicosmolds 071745518 7975 1 Systemic/curicosmolds 071745518 7975 <	747	1	SystemicCorticosteroids	OTU4422718	ן ו	1820	0.91868516	Phototherany	OTU1131523
ispace ispace Oludatessa 677 1 Systemic Corricoardish Oludatessa 793 1 Systemic Corricoardish Oludatessa 674 1 Systemic Corricoardish Oludatessa 675 1 Systemic Corricoardish Oludatessa 676 Systemic Corricoardish Oludatessa Dispositionish 774 1 Systemic Corricoardish Oludatessa Dispositionish Dispositionish 774 1 Systemic Corricoardish Oludatessa Dispositionish Dispositionish Dispositionish 774 1 Systemic Corricoardish Oludatessa Dispositionish Dispositionish Dispositionish 774	755	1	Systemic Continent 1	01114440224	4 F	1703 5	0.01000510	Dhatathan	01120200
677 1 Systemic/acticizationish OTU445068 1472 0.91868516 Phototherapy OTU201055 703 1 Systemic/acticizationish OTU440228 173 0.91868516 Phototherapy OTU201055 703 1 Systemic/acticizationish OTU440228 1819 0.91868516 Phototherapy OTU201055 705 1 Systemic/acticizationish OTU4401231 1972.5 0.91868516 Phototherapy OTU202019 678 1 Systemic/acticizationish OTU55733 1775.5 0.91868516 Phototherapy OTU429913 675 1 Systemic/acticizationish OTU55733 1851.5 0.91868516 Phototherapy OTU439124 704 1 Systemic/acticizationish OTU55370 1855.5 0.91868516 Phototherapy OTU43925 673 1 Systemic/acticizationish OTU55370 1855.5 0.91868516 Phototherapy OTU43925 6743 1 Systemic/acticizationish OTU35311 1855.5 0.9186	/55	1	SystemicCorticosteroids	0104449324	4 L	1793.5	0.91868516	Phototherapy	01020360
708 1 SystemicCorticosteroids OTIL4462218 1773 0.91868516 Phototherapy OTIL21055 722 1 SystemicCorticosteroids OTIL47326 13 SystemicCorticosteroids OTIL47326 716.5 1 SystemicCorticosteroids OTIL467218 13 0.91868516 Phototherapy OTIL23055 674 1 SystemicCorticosteroids OTIL65749 1773 0.91868516 Phototherapy OTIL43022 673 1 SystemicCorticosteroids OTIL65749 1775 0.91868516 Phototherapy OTIL43072 673 1 SystemicCorticosteroids OTIL65749 1775 0.91868516 Phototherapy OTIL43072 673 1 SystemicCorticosteroids OTIL65749 1815 0.91868516 Phototherapy OTIL440228 674 1 SystemicCorticosteroids OTIL65749 1815 0.91868516 Phototherapy OTIL4404228 675 1 SystemicCorticosteroids OTIL85307 18177 0.91868516 Photo	677	1	SystemicCorticosteroids	OTU4456068		1472	0.91868516	Phototherapy	OTU205025
- ::::::::::::::::::::::::::::::::::::	708	1	SystemicCorticosteroids	OTU4460228	1 1	1773	0.91868516	Phototherany	0112110555
Access Systemic.Corticosteroids O10446/218 1819 0.91868516 Photothmagn O102305 722 1 Systemic.Corticosteroids O10447131 172 0.91868516 Photothmagn O102305 712 1 Systemic.Corticosteroids O10447131 173 0.91868516 Photothmagn O102305 675 1 Systemic.Corticosteroids O1055773 175 0.91868516 Photothmagn O1143122 675 1 Systemic.Corticosteroids O1062330 180.5 0.91868516 Photothmagn O1143122 673 1 Systemic.Corticosteroids O1075184 163 0.91868516 Photothmagn O11443952 673 1 Systemic.Corticosteroids O1075184 163 0.91868516 Photothmagn O114440829 774 1 Systemic.Corticosteroids O1012306 173 0.91868516 Photothmagn O11444052 662 1 Systemic.Corticosteroids O1012306 174 0.91868516 Photothmagn <	700	1	Systemic Controlsteroids	0104400220	4 F	1113	0.01000510	Dharan	0102110333
722 1 SystemicCorticosteroids OPIL47364 770.5 1 SystemicCorticosteroids OPIL47364 771.5 1 SystemicCorticosteroids OPIL481323 674 1 SystemicCorticosteroids OPIL495749 678 1 SystemicCorticosteroids OPIL6573 678 1 SystemicCorticosteroids OPIL6573 771.1 SystemicCorticosteroids OPIL6573 772.5 1 SystemicCorticosteroids OPIL6573 773.5 1 SystemicCorticosteroids OPIL65174 774.5 1 SystemicCorticosteroids OPIL65174 775.5 1 SystemicCorticosteroids OPIL65174 776.5 1 SystemicCorticosteroids OPIL85168 777.5 1 SystemicCorticosteroids OPIL85168 777.5 1 SystemicCorticosteroids OPIL85168 777.5 1 SystemicCorticosteroids OPIL85168 777.5 1 SystemicCorticosteroids OPIL85168	/03	1	SystemicCorticosteroids	0104467218	, L	1819	0.91868516	Phototherapy	010247720
P20.5 1 Systemic Carlicosteroids OTIU42396 716.5 1 Systemic Carlicosteroids OTU49577 678 1 Systemic Carlicosteroids OTU49577 678 1 Systemic Carlicosteroids OTU5573 678 1 Systemic Carlicosteroids OTU5573 678 1 Systemic Carlicosteroids OTU5573 675 1 Systemic Carlicosteroids OTU65320 678 1 Systemic Carlicosteroids OTU65320 673 1 Systemic Carlicosteroids OTU65310 749 1 Systemic Carlicosteroids OTU55131 701 1 Systemic Carlicosteroids OTU82692 692 1 Systemic Carlicosteroids OTU82068 673.1 Systemic Carlicosteroids OTU82068 674.1 Systemic Carlicosteroids OTU82069 675.1 Systemic Carlicosteroids OTU82069 676.3 Systemic Carlicosteroids OTU82069 6773.5 Systemic Carlicosteroids	722	1	SystemicCorticosteroids	OTU4471315	I L	1792.5	0.91868516	Phototherapy	OTU2901965
	720.5	1	SystemicCorticostoroide	OTU4473664	1 F	1738	0.91868516	Phototherapy	OTU362300
1.6.5 1 Systemic Corticosteroids 010481323 1119 019808516 Phototherapy 010423932 673 1 Systemic Corticosteroids 01050739 1775 0.31868516 Phototherapy 010439737 674 1 Systemic Corticosteroids 01050733 1175 0.31868516 Phototherapy 010431747 275 1 Systemic Corticosteroids 0101451370 1155 0.31868516 Phototherapy 0101431747 276 1 Systemic Corticosteroids 010145107 1155 0.31868516 Phototherapy 0101431937 673 1 Systemic Corticosteroids 010145107 11875 0.31868516 Phototherapy 0101431937 674 1 Systemic Corticosteroids 0101819937 11875 0.31868516 Phototherapy 010143123 678 1 Systemic Corticosteroids 0101839271 138 0.91868516 Phototherapy 0101442153 677.5 1 Systemic Corticosteroids 010193901 1479 0.9	720.5	1	Systemicconticosteroids	0104473004	4 - 1	1/30	0.51000510	Thototherapy	010302330
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b) 3 1 Systemic Criticsstroids OTUBS 307 694 5 1 Systemic Criticsstroids OTUBS 4307 694 5 1 Systemic Criticsstroids OTUS 4307 735 1 Systemic Criticsstroids OTUS 134 746 1 Systemic Criticsstroids OTUS 134 763 1 Systemic Criticsstroids OTUB 4397 1662 5 1 Systemic Criticsstroids OTUB 4368 678 1 Systemic Criticsstroids OTUB 4368 674 1 Systemic Criticsstroids OTUB 4368 1749 Oslis68516 Photothreary OTU442113 678 1 Systemic Criticsstroids OTUB 4306 1711 Oslis68516 Photothreary OTU44213 670 5 1 Systemic Criticsstroids OTUB 4302 1466 Oslis68516 Photothreary OTU44213 671 4 Systemic Criticsstroids OTUB 4302 1466 Oslis68516 Photothreary OTU44213 672 5 1 Cyclosporin OTUB 4302 1	675	1	SustamicCarticasteraida	011625220	1 1	1001 0	0.01969516	Dhotothoropy	0114240510
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b 03 1 Systemic.Corticosterolos 010/25148 1403 023688316 Priototherapy 010440899 7755 1 Systemic.Corticosterolos 010819937 138 0.91868316 Priototherapy 0114412153 662.5 1 Systemic.Corticosterolos 01085166 21738 0.91868516 Priototherapy 0114442153 678 1 Systemic.Corticosterolos 01085166 21732 0.91868516 Priototherapy 0114442153 67714.5 1 Systemic.Corticosterolos 010939571 14840 0.91868516 Priototherapy 011447161 663 1 Systemic.Corticosterolos 010939571 1466 0.91868516 Priototherapy 011448006 733 1 Cyclosporin 011003210 1460 0.91868516 Priototherapy 0110478 387.5 1 Cyclosporin 011103120 1460 0.91868516 Priototherapy 011182062 446 1 Cyclosporin 011103120 1460 0.91868516 Priot	672	1	Systemiceorticosteroids	01074551	4 F	10/5	0.01000510	PL +	0104303223
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	714.5	1	SystemicCorticosteroids	OTU939571		1840	0.91868516	Phototherapy	OTU625320
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400 1 Cyclosporin O1020300 1472 0.91868516 Phototherapy O1088380 386.5 1 Cyclosporin O103208510 1487 0.91868516 Phototherapy O10912997 402.5 1 Cyclosporin O103208510 1789 0.91868516 Cyclosporin O11000326 417 1 Cyclosporin O10320290 569 0.91868516 Cyclosporin O11000326 447 1 Cyclosporin O103814245 573.5 0.91868516 Cyclosporin O1100388 379 1 Cyclosporin O11043014752 433 0.91868516 Cyclosporin O110108137 424 1 Cyclosporin O11043014752 570 0.91868516 Cyclosporin O110108137 438 1 Cyclosporin O11043048540 550 0.91868516 Cyclosporin O110109561 432 1 Cyclosporin O11043048592 586 0.91868516 Cyclosporin O110109544 432	400	1	Cuelesserie	071120200	1 F	1472	0.01909510	Dhototh	011002000
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433 1 Cyclosporin OTU3841245 379 1 Cyclosporin OTU43047452 424 1 Cyclosporin OTU430157 439 1 Cyclosporin OTU4306547 455 1 Cyclosporin OTU4306894 438 1 Cyclosporin OTU4306894 438 1 Cyclosporin OTU4308522 387.5 1 Cyclosporin OTU4308522 387.5 1 Cyclosporin OTU4308522 457 1 Cyclosporin OTU4317476 452 1 Cyclosporin OTU4308522 457 1 Cyclosporin OTU4318894 432 1 Cyclosporin OTU431887 433 1 Cyclosporin OTU431889 443.1 Cyclosporin OTU441187 587 0.91868516 Cyclosporin OTU25798 443.1 Cyclosporin OTU4475218 549.5 0.91868516 Cyclosporin OTU379898	447	1	Cyclosporin	OTU370134	ן ר	652	0.91868516	Cyclosporin	OTU1036883
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379 1 Cyclosporin O1U440/452 424 1 Cyclosporin OTU430157 439 1 Cyclosporin OTU430657 439 1 Cyclosporin OTU430657 465 1 Cyclosporin OTU4306894 438 1 Cyclosporin OTU4346894 438 1 Cyclosporin OTU4346894 438 1 Cyclosporin OTU4346894 438 1 Cyclosporin OTU4349859 387.5 1 Cyclosporin OTU4408996 457 1 Cyclosporin OTU441187 432 1 Cyclosporin OTU44208996 434 1 Cyclosporin OTU4420896 443 1 Cyclosporin OTU441187 434 1 Cyclosporin OTU447218 443 1 Cyclosporin OTU447528 443 1 Cyclosporin OTU447528 422 1 Cyclosporin	433	1	Cyclosporin	0105841245	4 4	3/3.5	0.91008010	cyclosportn	010103810
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4-36 1 Cyclosporin O104349352 387.5 1 Cyclosporin OTU4349852 457 1 Cyclosporin OTU4349852 457 1 Cyclosporin OTU4408996 459 1 Cyclosporin OTU4411187 432 1 Cyclosporin OTU441936 4334 1 Cyclosporin OTU4449324 464.5 1 Cyclosporin OTU445068 464.5 1 Cyclosporin OTU445068 443 1 Cyclosporin OTU4473201 549 0.91868516 Cyclosporin OTU4473201 549 0.91868516 Cyclosporin OTU429455 399.5 1 Cyclosporin OTU4473201 549 0.91868516 Cyclosporin OTU429455 422 1 Cyclosporin OTU55749 380.5 0.91868516 Cyclosporin OTU431808 430.5 1 Cyclosporin OTU431808 577 0.91868516 Cyclosporin	420	1	Custo	01010400004	4 F	(24	0.01000510	Curley	011205025
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4 39 1 Cyclosporin OIU441138/ 432 1 Cyclosporin OTU4421386 434 1 Cyclosporin OTU4449326 464.5 1 Cyclosporin OTU4449326 466.5 1 Cyclosporin OTU445068 463.5 1 Cyclosporin OTU445068 443 1 Cyclosporin OTU4473201 549 0.91868516 Cyclosporin OTU362398 443 1 Cyclosporin OTU4473201 549 0.91868516 Cyclosporin OTU326478 422 1 Cyclosporin OTU4473201 422 1 Cyclosporin OTU55749 380.5 0.91868516 Cyclosporin OTU430145 420.5 1 Cyclosporin OTU511475 400.5 1 Cyclosporin OTU430135 434 1 Cyclosporin OTU430145 432 1 Cyclosporin OTU430278 370 0	450		Cyclosporn	0104400330	4 1	555	0.04060510	Cyclosporti	01023233
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432 1 Cyclosporin OTU820692 370 0.91868516 Cyclosporin OTU434689	434	1	Cyclosporin	010819937	, L	434	0.91868516	Cyclosporin	0104327300
	422	1	Cyclosporin	OTU820692	I L	370	0.91868516	Cyclosporin	OTU4346894

421	1	Cyclosporin	OTU837884	1	432.5	0.91868516	Cyclosporin	OTU4349522
409	1	Cyclosporin	OTU851917	1	611.5	0.91868516	Cyclosporin	OTU4349859
445	1	Cyclosporin	011851925		560	0.01868516	Cyclosporin	011/1353642
445	1	Cyclosport	010831323		500	0.01000510	Cyclosporin	0104333042
409	1	Cyclosporin	010883806		598	0.91868516	Cyclosporin	0104422405
399.5	1	Cyclosporin	010912906		338	0.91868516	Cyclosporin	0104422/18
462	1	Cyclosporin	OTU939571		404	0.91868516	Cyclosporin	OTU4446521
376	1	Antibiotics	OTU1004369		579	0.91868516	Cyclosporin	OTU4473664
375	1	Antibiotics	OTU1036883		407	0.91868516	Cyclosporin	OTU4474056
362	1	Antibiotics	OTU1096610		401	0.91868516	Cyclosporin	OTU4481323
365	1	Antibiotics	OTU111/000	1	648	0.91868516	Cyclosporin	0TU/482598
305	1	Antibiotics	010114333		048	0.91808510	Cyclosporin	0104482338
378	1	Antibiotics	01014278		404	0.91868516	Cyclosporin	010505749
403	1	Antibiotics	OTU164003		553	0.91868516	Cyclosporin	OTU565753
426	1	Antibiotics	OTU20360		375	0.91868516	Cyclosporin	OTU654307
412	1	Antibiotics	OTU205025		364	0.91868516	Cyclosporin	OTU74351
295	1	Antibiotics	010200020	•	606	0.01868516	Cyclosporin	011951025
385	1	Antibiotics	010247720		000	0.91808510	Cyclosporin	010831323
369	1	Antibiotics	01025259		574	0.91868516	Cyclosporin	010883806
360.5	1	Antibiotics	OTU25478		427	0.91868516	Cyclosporin	OTU912906
390	1	Antibiotics	OTU279980		613	0.91868516	Cyclosporin	OTU912997
405.5	1	Antibiotics	OTU282360		368	0.91868516	Cyclosporin	OTU939571
3/13 5	1	Antibiotics	OTU285376		594	0.91868516	Cyclosporin	0TU940083
402.5	1	Antibiotics	010203370		554	0.010000010	Cyclosporin	010040000
402.5	1	Antibiotics	0103208510		333	0.91868516	Cyclosporin	010987144
394.5	1	Antibiotics	OTU360483		722	0.91868516	Dithranol.minute	OTU1081372
415	1	Antibiotics	OTU362390		689.5	0.91868516	Dithranol.minute	OTU1096610
375	1	Antibiotics	OTU370309		755.5	0.91868516	Dithranol.minute	OTU13445
301	1	Antibiotics	OTU3841245	1	748	0.91868516	Dithranol minute	OTU14278
331	1	Antibiotics	0103041243		070	0.01969516	Dither al '	01014270
364	1	Antibiotics	0104047452		970	0.91868516	Ditnranol.minute	010205025
403.5	1	Antibiotics	OTU4317476		710	0.91868516	Dithranol.minute	OTU247720
379.5	1	Antibiotics	OTU4318084		895.5	0.91868516	Dithranol.minute	OTU25478
411.5	1	Antibiotics	OTU4348347		640	0.91868516	Dithranol.minute	OTU282360
406.5	1	Antibiotics	OTU4349522	1	692	0.91868516	Dithranol minute	OTU3208510
410 5	1	Antibi-ti	OTU/250124	1	710	0.01000510	Dithrong	011200492
419.5	1	Antibiotics	0104350124		/12	0.91868516	Dithranol.minute	010360483
376	1	Antibiotics	OTU4353642		653.5	0.91868516	Dithranol.minute	OTU362390
411.5	1	Antibiotics	OTU4408996		912	0.91868516	Dithranol.minute	OTU370134
413	1	Antibiotics	OTU4421536	1	705	0.91868516	Dithranol.minute	OTU403853
344	1	Antibiotics	OT114422405		918 5	0.91868516	Dithranol minute	0TU4301457
401	1	Antibiotics	0104422403		022	0.01000510	Dithernal minute	0104301437
401	1	Antibiotics	0104446521		923	0.91868516	Dithranoi.minute	0104306540
436	1	Antibiotics	0104449324		699.5	0.91868516	Dithranol.minute	0104327286
424.5	1	Antibiotics	OTU4456068		731	0.91868516	Dithranol.minute	OTU4327300
417	1	Antibiotics	OTU4460228		644	0.91868516	Dithranol.minute	OTU4349522
358	1	Antibiotics	OTU4468125	1	685	0.91868516	Dithranol minute	OTU4349859
260	1	Antibiotics	0TU/472201		715.5	0.01969516	Dithranol minuto	011/250124
130 F	1	Antibiotics	0104473201		/15.5	0.01000510	Dittiration.initiate	0104550124
420.5	1	Antibiotics	0104473664		992	0.91868516	Dithranol.minute	0104421536
365.5	1	Antibiotics	OTU4476950		690	0.91868516	Dithranol.minute	OTU4422405
421	1	Antibiotics	OTU4480063		685	0.91868516	Dithranol.minute	OTU4422718
406.5	1	Antibiotics	OTU4481323		699	0.91868516	Dithranol.minute	OTU4439089
381.5	1	Antibiotics	OTU505749		714	0.91868516	Dithranol minute	OTU4446521
410 5	1	Antibiotics	OTU610043		740	0.01000510	Dithernal minute	0101110321
410.5	1	Antibiotics	010610043		749	0.91868516	Dithranoi.minute	0104460228
390	1	Antibiotics	010625320		/31.5	0.91868516	Dithranol.minute	0104467218
421	1	Antibiotics	OTU654307		666	0.91868516	Dithranol.minute	OTU4471315
356.5	1	Antibiotics	OTU761594		920	0.91868516	Dithranol.minute	OTU4473664
392	1	Antibiotics	OTU851668	1	929.5	0.91868516	Dithranol.minute	OTU4480063
205	1	Antibiotics	011851017		801	0.01868516	Dithranol minuto	01114481222
355	1	Antibiotics	010051517		075	0.01000510	Ditheral aciante	0104401525
308	1	Antibiotics	010651925		9/5	0.91008510	Dithranol.minute	0104482598
410	1	Antibiotics	010883806	1	699.5	0.91868516	Dithranol.minute	010505749
369.5	1	Antibiotics	OTU912997		760.5	0.91868516	Dithranol.minute	OTU511475
412.5	1	Antibiotics	OTU939571		747	0.91868516	Dithranol.minute	OTU565753
102	1	Methotrexate	OTU1003210	1	657	0.91868516	Dithranol.minute	OTU625320
125	1	Methotrevate	OTU1004369	1	717	0.91868516	Dithranol minute	OTU654307
06	1	Mothotrovoto	OTU1026002		010	0.01969510	Dithranel minute	01174251
90	1	wethotrexate	0101030883	1	928	0.91008010	Ditination.minute	01074351
130	1	Methotrexate	0101081372		677	0.91868516	Dithranol.minute	010755148
142	1	Methotrexate	OTU1096610		717.5	0.91868516	Dithranol.minute	OTU851668
130.5	1	Methotrexate	OTU1107940		982	0.91868516	Dithranol.minute	OTU912997
102	1	Methotrexate	OTU1131523	1	730	0.91868516	Dithranol.minute	OTU939571
104	1	Methotrevate	OTU1114000		704	0.91868516	Dithranol minute	0TLI940082
114	1	Math atoms	010114333		713	0.01000510	Dither al	010040003
114	1	weinotrexate	01013445	1	/13	0.91999210	Dithranol.minute	01098/144
119	1	Methotrexate	OTU20360		665.5	0.91868516	Dithranol.minute	OTU995817
111	1	Methotrexate	OTU247720		440	0.91986716	Topicalcalcineurininhibitors	OTU4408996
116	1	Methotrexate	OTU25259		1682	0.91986716	Phototherapy	OTU1107940
114	1	Methotrevate	OTU25478	1	342	0 91996795	Topicalcalcineurininhibitors	OTU164003
120	1	Mothotrovoto	OTU270000		10/1 05 01	0.01006705	Antibiotics	011279006
129	1	wethotrexate	0102/9980	1	1341,03,01	0.91990/95	Antibiotics	010378090
126	1	Methotrexate	010282360		1221	0.91996795	IAR.topical.	0104408996
129	1	Methotrexate	OTU285376		1195.5	0.91996795	Photochemotherapy	OTU496787
108	1	Methotrexate	OTU3208510		757	0.91996795	Dithranol.minute	OTU4473201
114	1	Methotrexate	OTU362390	1	1195	0.92200647	Photochemotherapy	OTU4349859
100	1	Methotrovato	011370300	1	267	0.92200647	SystemicCorticostoroida	01125479
103	1	Math at a second	010370309		1170	0.02215005	Mathatasat	01023476
116		ivietnotrexate	0103841245	1	11/8	0.92215085	ivietnotrexate	0104353642
1 1 1 1		Mark strategy	OTU4301457	1	869.5	0.92286155	Retinoids	OTU4369229
123	1	Iviethotrexate						
123	1 1	Methotrexate	OTU4306540		38	0.92286155	Antibiotics	OTU995817
123 104 131	1 1 1	Methotrexate Methotrexate Methotrexate	OTU4306540 OTU4318084		38 194	0.92286155	Antibiotics SystemicCorticosteroids	OTU995817 OTU4408996
123 104 131	1 1 1 1	Methotrexate Methotrexate Methotrexate	OTU4306540 OTU4318084		38 194	0.92286155	Antibiotics SystemicCorticosteroids	OTU995817 OTU4408996
123 104 131 118	1 1 1 1	Methotrexate Methotrexate Methotrexate Methotrexate	OTU4306540 OTU4318084 OTU4327300		38 194 42	0.92286155 0.92286155 0.92365539	Antibiotics SystemicCorticosteroids Antibiotics	OTU995817 OTU4408996 OTU4294554
123 104 131 118 104	1 1 1 1 1	Methotrexate Methotrexate Methotrexate Methotrexate Methotrexate	OTU4306540 OTU4318084 OTU4327300 OTU4348347		38 194 42 193.5	0.92286155 0.92286155 0.92365539 0.92365539	Antibiotics SystemicCorticosteroids Antibiotics SystemicCorticosteroids	OTU995817 OTU4408996 OTU4294554 OTU114999
123 104 131 118 104 115	1 1 1 1 1 1 1	Methotrexate Methotrexate Methotrexate Methotrexate Methotrexate Methotrexate	OTU4306540 OTU4318084 OTU4327300 OTU4348347 OTU4349519		38 194 42 193.5 345.5	0.92286155 0.92286155 0.92365539 0.92365539 0.92492995	Antibiotics SystemicCorticosteroids Antibiotics SystemicCorticosteroids Topicalcalcineurininhibitors	OTU995817 OTU4408996 OTU4294554 OTU114999 OTU4476950

580	0.92492995	Fumaricacid	OTU610043
584	0.92492995	Fumaricacid	OTU761594
442	0.92492995	Cyclosporin	OTU114999
876	0.92496879	Retinoids	OTU370134
1942,05,01	0.92496879	Antibiotics	OTU13445
1863	0.92496879	VitaminDanalogs	OTU625320
264	0.92496879	SystemicCorticosteroids	010362390
/48	0.92496879	Dithranol.minute	0101004369
1017	0.92378633	Nethotrovata	0104411167
1191.5	0.92578655	Methotrevate	010857884
1131 5	0.92578655	LocalCorticosteroids	010851917
1276	0.92578655	LocalCorticosteroids	OTU851925
437.5	0.92578655	Topicalcalcineurininhibitors	OTU1131523
345.5	0.92578655	Topicalcalcineurininhibitors	OTU851668
577.5	0.92578655	Fumaricacid	OTU403853
79	0.92578655	Antibiotics	OTU1004369
1864	0.92578655	VitaminDanalogs	OTU1081372
1851	0.92578655	VitaminDanalogs	OTU13445
1026	0.92578655	Photochemotherapy	OTU4349519
1020.5	0.92578655	Photochemotherapy	OTU4480063
1183	0.92578655	Photochemotherapy	OTU610043
1161	0.92578655	Photochemotherapy	OTU883806
266.5	0.92578655	SystemicCorticosteroids	OTU360483
1499.5	0.92578655	Phototherapy	0104047452
1/01	0.92578655	Phototherapy	0104346894
54/	0.925/8655	Cyclosporin	010282360
447.5	0.925/8655	Cyclosporin Dithranel minute	0104350124
757	0.923/8035	Dithranol.minute	OTU451/4/0
7.54 AA6	0.92578055	Cyclosporin	0104474030
355	0.9285878	Topicalcalcineurininhibitors	OTU511475
699	0.9285878	Eumaricacid	OTU164003
44	0.9285878	Antibiotics	OTU565753
76	0.9285878	Antibiotics	OTU940083
1070	0.9285878	TAR.topical.	OTU4473201
1178	0.9285878	Photochemotherapy	OTU4460228
194	0.9285878	SystemicCorticosteroids	OTU1081372
192	0.9285878	SystemicCorticosteroids	OTU912997
1511	0.9285878	Phototherapy	OTU4439089
442	0.9285878	Cyclosporin	OTU4440643
444	0.9285878	Cyclosporin	OTU851917
886	0.9285878	Dithranol.minute	OTU279980
762	0.9285878	Dithranol.minute	OTU4476950
1029	0.92881133	Methotrexate	OTU4327300
437	0.92881133	Topicalcalcineurininhibitors	0101081372
438	0.92881133	Topical calcineur in inhibitors	0104482598
440 E99	0.92881133	Topicalcalcineurininnibitors	010912997
200	0.92881133	Antibiotics	010940085
1944,05,01	0.92881133	Antibiotics	0104348347
1221	0.92881133	TAB topical	OTU912997
1179	0.92881133	Photochemotherapy	OTU4327300
1185.5	0.92881133	Photochemotherapy	OTU837884
442.5	0.92881133	Cyclosporin	OTU4467218
1126.5	0.92938841	LocalCorticosteroids	OTU1096610
347	0.92938841	Topicalcalcineurininhibitors	OTU2110555
696	0.92938841	Fumaricacid	OTU819937
45	0.92938841	Antibiotics	OTU1107940
45	0.92938841	Antibiotics	OTU820692
540	0.92938841	Cyclosporin	OTU4473201
885	0.93132145	Retinoids	OTU4473664
1052	0.93132145	Methotrexate	OTU3841245
1174	0.93132145	Methotrexate	0104460228
1034	0.93132145	Methotrexate	010610043
1148.5	0.93132145	TAR topical	010511475
1214	0.33132145	TAR.topical.	0104440643
1027 5	0.93132145	Photochemotherany	0111203853
264	0.93132145	SystemicCorticosteroids	OTU4354809
199	0.93132145	SystemicCorticosteroids	OTU940083
1508	0.93132145	Phototherapy	OTU4449324
1515	0.93132145	Phototherapy	OTU4460228
545	0.93132145	Cyclosporin	OTU4047452
1039	0.93135251	Methotrexate	OTU4021335
1134.5	0.00405054	LocalCorticosteroids	OTU370309
696.5	0.93135251		
	0.93135251	Fumaricacid	OTU370309
1853.5	0.93135251 0.93135251 0.93135251	Fumaricacid VitaminDanalogs	OTU370309 OTU505749
1853.5 1067	0.93135251 0.93135251 0.93135251 0.93135251	Fumaricacid VitaminDanalogs TAR.topical.	OTU370309 OTU505749 OTU2110555
1853.5 1067 1031	0.93135251 0.93135251 0.93135251 0.93135251 0.93135251	Fumaricacid VitaminDanalogs TAR.topical. Photochemotherapy	OTU370309 OTU505749 OTU2110555 OTU4047452
1853.5 1067 1031 1035	0.93135251 0.93135251 0.93135251 0.93135251 0.93135251 0.93321	Fumaricacid VitaminDanalogs TAR.topical. Photochemotherapy Methotrexate	OTU370309 OTU505749 OTU2110555 OTU4047452 OTU1036883

		-	_
100	1	Methotrexate	OTU4349859
109	1	Methotrexate	OTU4350124
133	1	Methotrexate	OTU4411187
128	1	Methotrexate	OTU4422405
103	1	Methotrexate	OTU4422718
139	1	Methotrexate	OTU4446521
134.5	1	Methotrexate	OTU4456068
109	1	Methotrexate	OTU4460228
127	1	Methotrexate	OTU4468125
110	1	Methotrexate	OTU4473664
128	1	Methotrexate	OTU4474056
100	1	Methotrexate	OTU4480063
1997,05,01	1	Methotrexate	OTU4482598
124	1	Methotrexate	OTU496787
96	1	Methotrexate	OTU511475
104	1	Methotrexate	OTU610043
110	1	Methotrexate	OTU625320
109	1	Methotrexate	OTU755148
120	1	Methotrexate	OTU761594
103	1	Methotrexate	OTU820692
120	1	Methotrexate	OTU837884
130.5	1	Methotrexate	OTU851668
119	1	Methotrexate	OTU851917
101	1	Methotrexate	OTU851925
106	1	Methotrexate	OTU912906
127	1	Methotrexate	OTU939571
104	1	Methotrexate	OTU940083

1131	0.93321	LocalCorticosteroids	0TU/96787
426	0.00001	Tanical calcingurininhibitars	01097144
420	0.93321	Topicalcalcineurinininibitors	010387144
593	0.93321	Fumaricacid	010279980
1858.5	0.93321	VitaminDanalogs	OTU285376
1215	0.93321	TAR.topical.	OTU1004369
1074.5	0.93321	TAR.topical.	OTU247720
771	0.93321	Dithrapol minute	011012006
1177.5	0.33321	Ditination	010312300
11/7.5	0.93459596	Wethotrexate	0101096610
1136	0.93586675	LocalCorticosteroids	0104482598
430	0.93586675	Topical calcineurininhibitors	OTU279980
433.5	0.93586675	Topical calcineurininhibitors	OTU4301457
1038	0 93586675	Photochemotherany	OTU4421536
202.5	0.93586675	SystemicCorticosteroids	0TU/468125
1164	0.03631304	Dhotoshomothorony	0104400123
1104	0.95021294	Photochemotherapy	0104299524
1165	0.93842995	Methotrexate	010103810
1844	0.93842995	VitaminDanalogs	OTU114999
1006	0.94041046	Retinoids	OTU4318084
687	0.94041046	Fumaricacid	OTU654307
1204 5	0.94041046	TAR topical	OTU819937
201.5	0.04044152	Potinoida	010015557
091.3	0.94044132	Retitiolus	0101003210
893.5	0.94044152	Retinoids	010164003
890	0.94044152	Retinoids	OTU4422718
892	0.94044152	Retinoids	OTU4439089
894	0.94044152	Retinoids	OTU851917
1170	0 94044152	Methotrevate	OTU370309
1166	0.94044152	Mothotrovoto	0111/121520
1272.5	0.94044152		0104421530
12/2.5	0.94044152	LocalCorticosteroids	0104349519
1155	0.94044152	LocalCorticosteroids	OTU4481323
355	0.94044152	Topicalcalcineurininhibitors	OTU20360
430.5	0.94044152	Topical calcineurininhibitors	OTU4047452
356	0.94044152	Topicalcalcineurininhibitors	OTU4473664
356	0.94044152	Topicalcalcineurininhibitors	011940082
330	0.94044152	Topicalcalcined minimizers	010340083
686.5	0.94044152	Fumaricacid	010362390
683	0.94044152	Fumaricacid	OTU4299324
687	0.94044152	Fumaricacid	OTU4471315
1948,05,01	0.94044152	Antibiotics	OTU3841245
1841.5	0.94044152	VitaminDanalogs	OTU360483
1071.5	0.04044152	VitaminDanalogs	010300403
1020.3	0.94044132	VitaminDanaiogs	0104346347
1845	0.94044152	VitaminDanalogs	010755148
1688.5	0.94044152	VitaminDanalogs	OTU761594
1079	0.94044152	TAR.topical.	OTU4471315
1079.5	0.94044152	TAR.topical.	OTU610043
1085	0.94044152	TAR.topical.	OTU654307
1073.5	0.94044152	TAR.topical.	OTU939571
1164	0.94044152	Photochemotherapy	OTU1131523
1043	0 94044152	Photochemotherany	OTU939571
205	0.94044152	SystemicCorticosteroids	0TU/29/155/
205	0.04044152	Systemicconticosteroids	0104234334
205.5	0.94044152	SystemicCorticosteroids	0104411187
1525.5	0.94044152	Phototherapy	010370309
1535	0.94044152	Phototherapy	OTU378096
1537	0.94044152	Phototherapy	OTU4348347
1678	0.94044152	Phototherapy	OTU4422405
1523.5	0.94044152	Phototherany	OTU610043
1667	0.94044152	Photothorapy	011040083
E007	0.04044152	Cuelect and	010340003
524.5	0.94044152	Cyclosporin	0103841245
/71	0.94044152	Dithranol.minute	010164003
778	0.94044152	Dithranol.minute	OTU4294554
876	0.94044152	Dithranol.minute	OTU4318084
871	0.94044152	Dithranol.minute	OTU4353642
772	0.94044152	Dithranol.minute	OTU4408996
773	0 94044152	Dithranol minute	OTU610043
695	0.94099259	Fumaricacid	01174251
1005	0.34000238	numaricació	01074331
16/5	0.94088258	Phototherapy	010995817
1151	0.94113559	Methotrexate	010820692
49	0.94113559	Antibiotics	OTU883806
1838	0.94113559	VitaminDanalogs	OTU1003210
1827	0.94113559	VitaminDanalogs	OTU4481323
1080 5	0.94113550	TAR topical	OTU505749
1156	0.94112550	Photochomothorany	011/1350124
201	0.04112550	SustamicContinentary	0104330124
201	0.94113559	SystemicCorticosteroids	010285376
259	0.94113559	SystemicCorticosteroids	0104422405
453	0.94113559	Cyclosporin	OTU4456068
876	0.94113559	Dithranol.minute	OTU4047452
1666.5		PL i il	OTU370134
	0.9416623	Phototherapy	
899	0.9416623	Phototherapy Retinoids	OTU282360
899	0.9416623 0.94264371 0.94264371	Phototherapy Retinoids Retinoids	OTU282360
899 1004	0.9416623 0.94264371 0.94264371	Retinoids Retinoids	OTU282360 OTU370309
899 1004 1006	0.9416623 0.94264371 0.94264371 0.94264371	Phototherapy Retinoids Retinoids Retinoids	OTU282360 OTU370309 OTU4422405
899 1004 1006 1162.5	0.9416623 0.94264371 0.94264371 0.94264371 0.94264371	Phototherapy Retinoids Retinoids Retinoids Methotrexate	OTU282360 OTU370309 OTU4422405 OTU4047452
899 1004 1006 1162.5 1162	0.9416623 0.94264371 0.94264371 0.94264371 0.94264371 0.94264371	Phototherapy Retinoids Retinoids Retinoids Methotrexate Methotrexate	OTU282360 OTU370309 OTU4422405 OTU4047452 OTU939571
899 1004 1006 1162.5 1162 1146	0.9416623 0.94264371 0.94264371 0.94264371 0.94264371 0.94264371 0.94264371	Phototherapy Retinoids Retinoids Retinoids Methotrexate Methotrexate LocalCorticosteroids	OTU282360 OTU370309 OTU4422405 OTU4047452 OTU939571 OTU912997
899 1004 1006 1162.5 1162 1146 1055	0.9416623 0.94264371 0.94264371 0.94264371 0.94264371 0.94264371 0.94264371 0.94264371	Phototherapy Retinoids Retinoids Retinoids Methotrexate Methotrexate LocalCorticosteroids Photochemotherapy	OTU282360 OTU370309 OTU4422405 OTU4047452 OTU939571 OTU912997 OTU4353642

204.5			
	0.94264371	SystemicCorticosteroids	OTU164003
204	0.94264371	SystemicCorticosteroids	OTU20360
207	0.94264371	SystemicCorticosteroids	OTU912906
1529	0.94264371	Phototherapy	OTU4482598
455	0.94264371	Cyclosporin	OTU4449324
896.5	0.94388727	Retinoids	OTU4467218
1155	0.94388727	LocalCorticosteroids	OTU4408996
45	0 94388727	Antibiotics	OTU4349859
1826	0.94388727	VitaminDanalogs	OTU912906
1531.5	0.94388727	Phototherany	010312300
1531.5	0.94388727	Dhototherapy	0104301437
1532.5	0.94388727	Phototherapy	010505749
1660.5	0.94390535	Phototherapy	0104476950
783	0.94390535	Dithranol.minute	OTU378096
425	0.94438696	Topical calcineurininhibitors	OTU4440643
423	0.94438696	Topical calcineurininhibitors	OTU625320
205.5	0.94438696	SystemicCorticosteroids	OTU4349519
1264	0.94528897	LocalCorticosteroids	OTU360483
1155	0.94528897	LocalCorticosteroids	OTU819937
1268	0.94574249	LocalCorticosteroids	OTU4449324
254	0.94574249	SystemicCorticosteroids	OTU25259
256	0.94574249	SystemicCorticosteroids	OTU995817
423	0.94596241	Topical calcineurininhibitors	0TU4421536
460.5	0.9460888	Cyclosporin	0111370134
264	0.9400000	Topical calcing urininhibit	01114270
304	0.9403208	Tanical calcing with the	01014278
422	0.9465208	Topicalcalcineurininnibitors	0104439089
530	0.9465208	Cyclosporin	010755148
1267	0.94/41399	LocalCorticosteroids	010403853
1057	0.9479187	Methotrexate	OTU4318084
604	0.9479187	Fumaricacid	OTU851668
1089	0.9479187	TAR.topical.	OTU370134
204.5	0.9479187	SystemicCorticosteroids	OTU837884
1154	0.94834179	Methotrexate	OTU1081372
605	0.94834179	Fumaricacid	OTU4439089
677.5	0.94834179	Fumaricacid	OTU4476950
676	0.94834179	Eumaricacid	OTU912906
1194	0 94834179	TAB topical	OT114422405
1091	0.94834179	TAR topical	0104422465
1051	0.04834175	Rhotochomothorapy	0104473004
1156 5	0.04834175	Rhotochemotherapy	010733148
1150.5	0.94634179	Photochemotherapy	010333817
1651	0.94834179	Phototherapy	01013445
1545	0.94834179	Phototherapy	0104318084
1660	0.94834179	Phototherapy	0104327300
523	0.94834179	Cyclosporin	0104348347
458.5	0.94834179	Cyclosporin	OTU496787
522	0.94834179	Cyclosporin	OTU511475
784.5	0.94834179	Dithranol.minute	OTU103810
1700	0.94992251	VitaminDanalogs	OTU4467218
	0 94992251	VitaminDanalogs	01174251
1822	0101002202	_	01074551
1822 1153.5	0.94992251	Photochemotherapy	OTU4440643
1822 1153.5 366.5	0.94992251	Photochemotherapy Topical calcineurininhibitors	OTU4440643 OTU4468125
1822 1153.5 366.5 1710	0.94992251 0.95089257 0.95089257	Photochemotherapy Topical calcineurininhibitors Vitamin Danalogs	OTU4440643 OTU4468125 OTU4299324
1822 1153.5 366.5 1710 1818	0.94992251 0.95089257 0.95089257 0.95089257	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs VitaminDanalogs	OTU4440643 OTU4468125 OTU4299324 OTU654307
1822 1153.5 366.5 1710 1818 1660	0.94992251 0.95089257 0.95089257 0.95089257 0.95089257	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs VitaminDanalogs Phototherapy	OTU4440643 OTU4468125 OTU4299324 OTU654307 OTU1004369
1822 1153.5 366.5 1710 1818 1660 70	0.94992251 0.95089257 0.95089257 0.95089257 0.95089257 0.95371818 0.95691009	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs VitaminDanalogs Phototherapy Antihiotice	OTU4440643 OTU4440643 OTU4468125 OTU4299324 OTU654307 OTU1004369 OTU610043
1822 1153.5 366.5 1710 1818 1660 70	0.94992251 0.95089257 0.95089257 0.95089257 0.95089257 0.95371818 0.95691009	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs VitaminDanalogs Phototherapy Antibiotics VitaminDanalogr	OTU4440643 OTU4440643 OTU4468125 OTU4299324 OTU654307 OTU1004369 OTU610043
1822 1153.5 366.5 1710 1818 1660 70 1711 0.15 5	0.94992251 0.95089257 0.95089257 0.95089257 0.95089257 0.95371818 0.95691009 0.95691009	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs Phototherapy Antibiotics VitaminDanalogs PhotominDanalogs	OTU4440643 OTU4440643 OTU4468125 OTU4299324 OTU654307 OTU1004369 OTU610043 OTU362390
1822 1153.5 366.5 1710 1818 1660 70 1711 915.5	0.94992251 0.95089257 0.95089257 0.95089257 0.95371818 0.95691009 0.95691009 0.95725431	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs Phototherapy Antibiotics VitaminDanalogs Retinoids Betinoids	OTU4440643 OTU4440643 OTU4468125 OTU4299324 OTU654307 OTU1004369 OTU610043 OTU362390 OTU4348347 OTU625220
1822 1153.5 366.5 1710 1818 1660 70 1711 915.5 909 663.5	0.94992251 0.95089257 0.95089257 0.95089257 0.95371818 0.95691009 0.95691009 0.95725431 0.95725431	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs VitaminDanalogs Phototherapy Antibiotics VitaminDanalogs Retinoids Retinoids	OTU4440643 OTU4440643 OTU4468125 OTU4293324 OTU654307 OTU1004369 OTU610043 OTU362390 OTU4348347 OTU625320
1822 1153.5 366.5 1710 1818 1660 70 1711 915.5 909 607.5	0.94992251 0.95089257 0.95089257 0.95089257 0.95371818 0.95691009 0.95725431 0.95725431 0.95725431	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs VitaminDanalogs Phototherapy Antibiotics VitaminDanalogs Retinoids Retinoids Fumaricacid	OTU440643 OTU440643 OTU4468125 OTU4299324 OTU654307 OTU1004369 OTU610043 OTU362390 OTU4348347 OTU625320 OTU430483 OTU360483
1822 1153.5 366.5 1710 1818 1660 70 1711 915.5 909 607.5 1708.5	0.94992251 0.95089257 0.95089257 0.95089257 0.95089257 0.95691009 0.95691009 0.95725431 0.95725431 0.95725431	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs Phototherapy Antibiotics VitaminDanalogs Retinoids Retinoids Fumaricacid VitaminDanalogs	0TU440643 0TU440643 0TU4408125 0TU4299324 0TU654307 0TU1004369 0TU610043 0TU362390 0TU4348347 0TU625320 0TU360483 0TU819937
1822 1153.5 366.5 1710 1818 1660 70 1711 915.5 909 607.5 1708.5 211	0.94992251 0.95089257 0.95089257 0.95089257 0.95089257 0.95089257 0.95571818 0.95691009 0.95725431 0.95725431 0.95725431 0.95725431	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs VitaminDanalogs Phototherapy Antibiotics VitaminDanalogs Retinoids Fumaricacid VitaminDanalogs SystemicCorticosteroids	010/4331 0TU440643 0TU440643 0TU4299324 0TU654307 0TU1004369 0TU41004369 0TU362390 0TU362390 0TU362320 0TU360483 0TU819937 0TU14278
1822 1153.5 366.5 1710 1818 1660 70 1711 915.5 909 607.5 1708.5 211 251	0.94992251 0.95089257 0.95089257 0.95089257 0.95089257 0.95371818 0.95691009 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs Phototherapy Antibiotics VitaminDanalogs Retinoids Retinoids Fumaricacid VitaminDanalogs SystemicCorticosteroids SystemicCorticosteroids	010/4331 0TU4440643 0TU440643 0TU44299324 0TU654307 0TU1004369 0TU610043 0TU362390 0TU43048347 0TU425320 0TU360483 0TU360483 0TU4278 0TU4471315
1822 1153.5 366.5 1710 1818 1660 70 1711 915.5 909 607.5 1708.5 211 251 792	0.94992251 0.95089257 0.95089257 0.95089257 0.95089257 0.95691009 0.95691009 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs Phototherapy Antibiotics VitaminDanalogs Retinoids Retinoids Fumaricacid VitaminDanalogs SystemicCorticosteroids Dithranol.minute	010/4331 0TU4440643 0TU4440643 0TU44299324 0TU654307 0TU1004369 0TU610043 0TU362390 0TU4348347 0TU625320 0TU360483 0TU819937 0TU4278 0TU4278 0TU4278 0TU4121315 0TU41107940
1822 1153.5 366.5 1710 1818 1660 70 1711 915.5 909 607.5 1708.5 211 251 792 1103	0.94992251 0.95089257 0.95089257 0.95089257 0.95089257 0.95089257 0.95071818 0.95691009 0.95691009 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs Phototherapy Antibiotics VitaminDanalogs Retinoids Fumaricacid VitaminDanalogs SystemicCorticosteroids SystemicCorticosteroids Dithranol.minute TAR.topical.	010/4331 0TU440643 0TU440643 0TU4299324 0TU654307 0TU1004369 0TU610043 0TU362390 0TU4348347 0TU425320 0TU360483 0TU4278 0TU4278 0TU4471315 0TU14278
1822 1153.5 366.5 1710 1818 1660 70 1711 915.5 909 607.5 1708.5 211 251 792 1103 991	0.94992251 0.95089257 0.95089257 0.95089257 0.95089257 0.95371818 0.95691009 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs Phototherapy Antibiotics VitaminDanalogs Retinoids Retinoids Fumaricacid VitaminDanalogs SystemicCorticosteroids SystemicCorticosteroids Dithranol.minute TAR.topical. Retinoids	010/4331 0TU440643 0TU440643 0TU4408125 0TU4299324 0TU610043 0TU360439 0TU610043 0TU360483 0TU4348347 0TU625320 0TU360483 0TU819937 0TU14278 0TU4471315 0TU1107940 0TU107940 0TU20360
1822 1153.5 366.5 1710 1818 1660 70 1711 915.5 909 607.5 1708.5 211 251 792 1103 991 907.5	0.94992251 0.95089257 0.95089257 0.95089257 0.95089257 0.95089257 0.955725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs Phototherapy Antibiotics VitaminDanalogs Retinoids Retinoids Fumaricacid VitaminDanalogs SystemicCorticosteroids SystemicCorticosteroids Dithranol.minute TAR.topical. Retinoids Retinoids	010/4331 0TU4440643 0TU4440643 0TU44299324 0TU654307 0TU1004369 0TU610043 0TU362390 0TU4348347 0TU625320 0TU360483 0TU360483 0TU3102780 0TU14278 0TU14278 0TU14278 0TU14278 0TU1107940 0TU107940 0TU100360 0TU20360
1822 1153.5 366.5 1710 1818 1660 70 1711 915.5 909 607.5 1708.5 211 251 792 1103 991 907.5 1146	0.94992251 0.95089257 0.95089257 0.95089257 0.95089257 0.950591009 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.9574721	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs Phototherapy Antibiotics VitaminDanalogs Retinoids Retinoids Fumaricacid VitaminDanalogs SystemicCorticosteroids SystemicCorticosteroids Dithranol.minute TAR.topical. Retinoids Retinoids Methotrexate	010/4331 0TU4440643 0TU4440643 0TU4299324 0TU654307 0TU1004369 0TU654307 0TU362390 0TU4362390 0TU4362390 0TU43283 0TU819937 0TU4278 0TU41278 0TU41278 0TU417315 0TU1107940 0TU107940 0TU107940 0TU403853 0TU4303697
1822 1153.5 366.5 1710 1818 1660 70 1711 915.5 909 607.5 1708.5 211 251 792 1103 991 907.5 1146 1249	0.94992251 0.95089257 0.95089257 0.95089257 0.95089257 0.95371818 0.95691009 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95874721	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs Phototherapy Antibiotics VitaminDanalogs Retinoids Fumaricacid VitaminDanalogs SystemicCorticosteroids SystemicCorticosteroids Dithranol.minute TAR.topical. Retinoids Retinoids Methotrexate LocalCorticosteroids	01074331 0TU440643 0TU440643 0TU4299324 0TU654307 0TU1004369 0TU610043 0TU362390 0TU360483 0TU360483 0TU4278 0TU4278 0TU4471315 0TU1107940 0TU1107940 0TU107940 0TU20360 0TU403853 0TU43230
1822 1153.5 366.5 1710 1818 1660 70 1711 915.5 909 607.5 1708.5 211 251 792 1103 991 907.5 1146 1249 368	0.94992251 0.95089257 0.95089257 0.95089257 0.95089257 0.95089257 0.9508257 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95974721	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs Phototherapy Antibiotics VitaminDanalogs Retinoids Retinoids Fumaricacid VitaminDanalogs SystemicCorticosteroids SystemicCorticosteroids Dithranol.minute TAR.topical. Retinoids Retinoids Methotrexate LocalCorticosteroids Topicalcalcineurininhibitors	010/4331 0TU440643 0TU440643 0TU4408125 0TU4299324 0TU654307 0TU3004369 0TU3004369 0TU4304397 0TU452300 0TU360483 0TU452300 0TU452300 0TU4728 0TU41278 0TU1107940 0TU1107940 0TU1107940 0TU1107940 0TU4303697 0TU4303697 0TU432300 0TU432300 0TU432300 0TU432300 0TU432300 0TU432300 0TU452300 0TU452300 0TU552300000000000000000000000000000000000
1822 1153.5 366.5 1710 1818 1660 70 1711 915.5 909 607.5 1708.5 211 251 792 1103 991 907.5 1146 1249 368 614	0.94992251 0.95089257 0.95089257 0.95089257 0.95089257 0.95089257 0.95571818 0.95691009 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.9574721 0.95974721 0.95974721	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs Phototherapy Antibiotics NtaminDanalogs Retinoids Fumaricacid VitaminDanalogs SystemicCorticosteroids SystemicCorticosteroids Dithranol.minute TAR.topical. Retinoids Retinoids Methotrexate LocalCorticosteroids Topicalcalcineurininhibitors Fumaricacid	010/4331 0TU4440643 0TU4440643 0TU44299324 0TU654307 0TU1004369 0TU610043 0TU362390 0TU4362390 0TU4362390 0TU4362390 0TU4278 0TU41278 0TU1107940 0TU1107940 0TU1107940 0TU1107940 0TU423853 0TU43853 0TU43853 0TU43853 0TU432853 0TU55855 0TU5585 0TU5585 0TU5585 0TU55855 0
1822 1153.5 366.5 1710 1818 1660 70 1711 915.5 909 607.5 1708.5 211 251 792 1103 991 907.5 1146 1249 368 614 70	0.94992251 0.95089257 0.95089257 0.95089257 0.95089257 0.95089257 0.95571818 0.95691009 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.955725431 0.95974721 0.95974721 0.95974721	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs Phototherapy Antibiotics VitaminDanalogs Retinoids Fumaricacid VitaminDanalogs SystemicCorticosteroids SystemicCorticosteroids Dithranol.minute TAR.topical. Retinoids Retinoids Retinoids Methotrexate LocalCorticosteroids Topicalcalcineurininhibitors Fumaricacid Antibiotics	010/4331 0TU440643 0TU440643 0TU4299324 0TU654307 0TU1004369 0TU610043 0TU362390 0TU360483 0TU360483 0TU4278 0TU4278 0TU4471315 0TU1107940 0TU1107940 0TU107940 0TU403853 0TU4303697 0TU4654307 0TU4654307
1822 1153.5 366.5 1710 1818 1660 70 1711 915.5 909 607.5 1708.5 211 251 792 1103 991 907.5 1146 1249 368 614 70 1007	0.94992251 0.95089257 0.95089257 0.95089257 0.95089257 0.95089257 0.95089257 0.950725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95974721 0.95974721 0.95974721 0.95974721	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs Phototherapy Antibiotics VitaminDanalogs Retinoids Retinoids Fumaricacid VitaminDanalogs SystemicCorticosteroids SystemicCorticosteroids Dithranol.minute TAR.topical. Retinoids Methotrexate LocalCorticosteroids Topicalcalcineurininhibitors Fumaricacid Antibiotics TAR.topical	OIO/4331 OTU440643 OTU440643 OTU440643 OTU4299324 OTU654307 OTU1004369 OTU610043 OTU452320 OTU36048347 OTU625320 OTU360483 OTU44278 OTU4471315 OTU1107940 OTU1107940 OTU107940 OTU43853 OTU4303697 OTU362390 OTU54307 OTU4481323 OTU4444324
1822 1153.5 366.5 1710 1818 1660 70 1711 915.5 909 607.5 1708.5 211 251 792 1103 991 907.5 1146 1249 368 614 70 1097 1094 5	0.94992251 0.95089257 0.95089257 0.95089257 0.95089257 0.95089257 0.950725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.9574721 0.95974721 0.95974721 0.95974721 0.95974721 0.95974721	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs Phototherapy Antibiotics VitaminDanalogs Retinoids Retinoids Fumaricacid VitaminDanalogs SystemicCorticosteroids SystemicCorticosteroids Dithranol.minute TAR.topical. Retinoids Retinoids Methotrexate LocalCorticosteroids Topicalcalcineurininhibitors Fumaricacid Antibiotics TAR.topical.	010/4331 0TU4440643 0TU4440643 0TU44299324 0TU654307 0TU1004369 0TU610043 0TU362390 0TU4348347 0TU625320 0TU360483 0TU819937 0TU4278 0TU41278 0TU14278 0TU14278 0TU14278 0TU147940 0TU107940 0TU107940 0TU403853 0TU4303697 0TU436397 0TU462300 0TU64307 0TU4481323 0TU449324
1822 1153.5 366.5 1710 1818 1660 70 1711 915.5 909 607.5 1708.5 211 251 792 1103 991 907.5 1146 1249 368 614 70 1097 1094.5	0.94992251 0.95089257 0.95089257 0.95089257 0.95089257 0.95089257 0.95089257 0.95081009 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95725431 0.95974721 0.95974721 0.95974721 0.95974721 0.95974721 0.95974721	Photochemotherapy Topicalcalcineurininhibitors VitaminDanalogs Phototherapy Antibiotics VitaminDanalogs Retinoids Retinoids Fumaricacid VitaminDanalogs SystemicCorticosteroids SystemicCorticosteroids Dithranol.minute TAR.topical. Retinoids Retinoids Retinoids Retinoids Methotrexate LocalCorticosteroids Topicalcalcineurininhibitors Fumaricacid Antibiotics TAR.topical. Photochemotherapy	010/4331 0TU440643 0TU440643 0TU4299324 0TU654307 0TU1004369 0TU654307 0TU362390 0TU42830 0TU428320 0TU4278 0TU4278 0TU41278 0TU41278 0TU4107940 0TU107940 0TU403853 0TU4303697 0TU4303697 0TU42390 0TU44323 0TU444324 0TU1449324 0TU1449324
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1651.5 0.9609343 Phototherapy	OTU4456068
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856.5 0.96330929 Dithranol.minute 68 0.96377545 Antibiotics 1642 0.96377545 Phototherapy 1641 0.96427766 Phototherapy 1641 0.964714 Photochemapy 1070 0.96726303 Retinoids 979 0.96726303 Retinoids 916 0.96726303 Retinoids 618 0.96726303 Antibiotics 243 0.96726303 SystemicCorticosteroid 1557 0.96726303 Phototherapy 980 0.96861598 Retinoids 928 0.96861598 Retinoids 928 0.96861598 Retinoids 928 0.96861598 Retinoids 928 0.96861598 Retinoids 1072 0.96861598 Retinoids 1072 0.96861598 Fumaricacid 618 0.96861598 Fumaricacid 620 0.96861598 VitaminDanalogs 1107 0.96861598 Cyclosporin	0104369229 0TU4369229 0TU851917 0TU25259 0TU351917 0TU755148 0TU103937 0TU103810 0TU285376 0TU103810 0TU36483 0TU36483 0TU3841245 0TU441323 0TU441323 0TU4473664 0TU883806 0TU4473155 0TU425320 0TU4471315 0TU282380 0TU4473548 0TU82082320 0TU4473135 0TU282320 0TU4473135 0TU282320 0TU4473135 0TU283360 0TU1004369 0TU4021335 0TU4471315 0TU82360 0TU4021335 0TU47720 0TU4303697 0TU4303697 0TU30134 0TU30134 0TU3030497
856.5 0.96330929 Dithranol.minute 68 0.96377545 Antibiotics 1642 0.96377545 Phototherapy 1641 0.96427706 Phototherapy 1070 0.96714331 Topicalcalcineurininhibit 979 0.96726303 Retinoids 916 0.96726303 Retinoids 916 0.96726303 Retinoids 618 0.96726303 Antibiotics 243 0.96726303 SystemicCorticosteroid 1557 0.96726303 Phototherapy 980 0.96861598 Retinoids 928 0.96861598 Retinoids 981 0.96861598 Retinoids 1072 0.96861598 Topicalcalcineurininhibit 618 0.96861598 Fumaricacid 622 0.96861598 Fumaricacid 1107 0.96861598 ToRtopical 1107 0.96861598 Cyclosporin 516 0.96861598 Cyclosporin 516 0.96861598	0104369229 0TU4369229 0TU851917 0TU25259 0TU351917 0TU25259 0TU351937 0TU912997 0TU103810 0TU285376 0TU3841245 0TU436483 0TU3841245 0TU4481323 0TU4481323 0TU4481323 0TU4473664 0TU820692 0TU447315 0TU4210555 0TU28360 0TU210555 0TU28360 0TU210555 0TU210555 0TU210555 0TU210555 0TU47720 0TU4471315 0TU477135 0TU477135 0TU477135 0TU477135 0TU4471315 0TU4471315 0TU4471315 0TU4471315 0TU4471315 0TU447720 0TU44773064 0TU4477355 0TU4477355 0TU4477355 0TU4477355
856.5 0.96330929 Dithranol.minute 68 0.96377545 Antibiotics 1642 0.96377545 Phototherapy 1641 0.96427706 Phototherapy 1070 0.96714331 Topicalcalcineurininhibit 979 0.96726303 Retinoids 916 0.96726303 Retinoids 618 0.96726303 Retinoids 618 0.96726303 Antibiotics 243 0.96726303 SystemicCorticosteroid 1557 0.96726303 Phototherapy 980 0.96861598 Retinoids 928 0.96861598 Retinoids 981 0.96861598 Retinoids 981 0.96861598 Methotrexate 1132 0.96861598 Fumaricacid 662 0.96861598 Fumaricacid 662 0.96861598 VitaminDanalogs 1107 0.96861598 Cyclosporin 516 0.96861598 Cyclosporin 516 0.96861598 C	0104369229 0TU4369229 0TU851917 0TU25259 0TU351917 0TU25259 0TU351917 0TU75148 0TU912997 0TU1075148 0TU3810 0TU3810 0TU3810 0TU3810 0TU3810 0TU3810 0TU3810 0TU3810 0TU3810 0TU3841245 0TU4360483 0TU446521 0TU44481323 0TU44481323 0TU55148 0TU820692 0TU4471315 0TU755148 0TU820692 0TU441536 0TU4210555 0TU22059 0TU22059 0TU210555 0TU4720 0TU471315 0TU4720 0TU471055 0TU4210555 0TU4303697 0TU410555 0TU4303697 0TU310555 0TU370134 0TU4303697

219	0.97056002	SystemicContinenteroids	0112208510
1633	0.97050003	Dh at a th annual	0103208310
1032	0.97050003	Fliototilerapy	010114999
1634	0.97056003	Phototherapy	010279980
1563	0.97056003	Phototherapy	010755148
515	0.97056003	Cyclosporin	OTU4439089
845	0.97056003	Dithranol.minute	OTU851925
927	0.97123767	Retinoids	OTU3208510
924 5	0 97123767	Retinoids	OTU4306540
1180	0.97123767	LocalCorticostoroide	01112001065
1100	0.37123707	LocalConticosteroids	0102301303
1184	0.9/123/6/	LocalCorticosteroids	010378096
623.5	0.97123767	Fumaricacid	OTU4350124
619	0.97123767	Fumaricacid	OTU912997
1736	0.97123767	VitaminDanalogs	OTU565753
1623	0 97123767	Phototherapy	OTU3841245
1625	0.07123767	Dhatatharany	0103041243
1055	0.97123707	Photocherapy	010490787
846.5	0.9/123/6/	Dithranol.minute	010819937
798.5	0.97123767	Dithranol.minute	OTU837884
1130	0.97270009	Photochemotherapy 201	OTU4446521
1129.5	0.97339847	Photochemotherapy	OTU282360
242	0 97339847	SystemicCorticosteroids	OTU4473664
217 5	0.07405252	SystemicCorticosteroids	0104475004
217.5	0.97405353	SystemicConticosteroids	0104369229
1233	0.97418992	LocalCorticosteroids	01014278
622	0.97418992	Fumaricacid	OTU4327300
1081	0.97433502	Photochemotherapy	OTU362390
1127	0.97825737	Photochemotherapy	OTU247720
1082	0.97844062	Photochemothorapy	0113208510
100Z	0.07954102	Topical calcingurini - Libit	OTU102010
3/8.5	0.97854183	TAR	010103810
1166.5	0.97854183	IAR.topical.	010496787
1235	0.97964384	LocalCorticosteroids	OTU4354809
626.5	0.97964384	Fumaricacid	OTU13445
1118	0.97964384	TAR.topical.	OTU761594
/70	0.9796/29/	Cyclosporin	OTU/317476
473	0.37304384	Cyclospolini	0104317470
929	0.97977109	Retinoids	0104303697
1738.5	0.97977109	VitaminDanalogs	OTU378096
1788	0.97999566	VitaminDanalogs	OTU987144
927.5	0.98135141	Retinoids	OTU4346894
403	0 98135141	Tonicalcalcineurininhibitors	OTU851925
470.5	0.09125141	Cyclosporin	01112001065
479.5	0.98155141	Cyclosporth	0102901963
221	0.98248499	SystemicCorticosteroids	0104481323
1083	0.98365272	Methotrexate	OTU25259
4440	0.00065070		OTHODOOOC
1119	0.98365272	Methotrexate	010883806
1119 1083.5	0.98365272	Methotrexate Photochemotherapy	OTU4349522
1119 1083.5 1126	0.98365272	Methotrexate Photochemotherapy Photochemotherapy	OTU4349522 OTU4474056
1119 1083.5 1126 1621.5	0.98365272 0.98365272 0.98365272 0.98365272	Methotrexate Photochemotherapy Photochemotherapy Phototherapy	OTU4349522 OTU4474056 OTU4468125
1119 1083.5 1126 1621.5	0.98365272 0.98365272 0.98365272 0.98365272	Methotrexate Photochemotherapy Photochemotherapy Phototherapy	OTU4349522 OTU4349522 OTU4474056 OTU4468125
1119 1083.5 1126 1621.5 509	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272	Methotrexate Photochemotherapy Photochemotherapy Phototherapy Cyclosporin	OTU4349522 OTU4474056 OTU4468125 OTU4460228
1119 1083.5 1126 1621.5 509 1124	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98378876	Methotrexate Photochemotherapy Photochemotherapy Phototherapy Cyclosporin Methotrexate	OTU4349522 OTU4474056 OTU4468125 OTU4460228 OTU4440643
1119 1083.5 1126 1621.5 509 1124 1122	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98378876 0.98378876	Methotrexate Photochemotherapy Photochemotherapy Phototherapy Cyclosporin Methotrexate Methotrexate	OTU4349522 OTU4474056 OTU4468125 OTU4460228 OTU440643 OTU4473201
1119 1083.5 1126 1621.5 509 1124 1122 1120.5	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98378876 0.98378876	Methotrexate Photochemotherapy Photochemotherapy Cyclosporin Methotrexate Methotrexate Methotrexate	OTU883806 OTU4349522 OTU4474056 OTU4468125 OTU4460228 OTU440643 OTU4473201 OTU511475
1119 1083.5 1126 1621.5 509 1124 1122 1120.5 657	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98378876 0.98378876 0.98378876	Methotrexate Photochemotherapy Photochemotherapy Cyclosporin Methotrexate Methotrexate Fumaricacid	OTU4349522 OTU4349522 OTU4474056 OTU4468125 OTU4460228 OTU4460228 OTU4440643 OTU4473201 OTU511475 OTU4317476
1119 1083.5 1126 1621.5 509 1124 1122 1120.5 657 1741	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98378876 0.98378876 0.98378876 0.98378876	Methotrexate Photochemotherapy Photochemotherapy Cyclosporin Methotrexate Methotrexate Fumaricacid VitaminDanalogs	OTU4349522 OTU4474056 OTU4468125 OTU4468125 OTU4460228 OTU440643 OTU4473201 OTU511475 OTU4317476 OTU4317476
1119 1083.5 1126 1621.5 509 1124 1122 1120.5 657 1741 1119	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876	Methotrexate Photochemotherapy Photochemotherapy Cyclosporin Methotrexate Methotrexate Methotrexate Fumaricacid VitaminDanalogs TAP teorical	OTU4349522 OTU4349522 OTU4474056 OTU4468125 OTU4460228 OTU4440228 OTU4440643 OTU4473201 OTU511475 OTU4317476 OTU4021335
1119 1083.5 1126 1621.5 509 1124 1122 1120.5 657 1741 1119	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98376876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876	Methotrexate Photochemotherapy Photochemotherapy Cyclosporin Methotrexate Methotrexate Fumaricacid VitaminDanalogs TAR.topical.	OTU4349522 OTU4474056 OTU4474056 OTU4468125 OTU4460228 OTU4440643 OTU4473201 OTU511475 OTU417475 OTU4317476 OTU4021335 OTU4467218
1119 1083.5 1126 1621.5 509 1124 1122 1120.5 657 1741 1119 1084	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876	Methotrexate Photochemotherapy Photochemotherapy Cyclosporin Methotrexate Methotrexate Fumaricacid VitaminDanalogs TAR.topical. Photochemotherapy	OTU4349522 OTU4474056 OTU4474056 OTU4468125 OTU4460228 OTU4460238 OTU4440643 OTU4473201 OTU511475 OTU4317476 OTU4317476 OTU421335 OTU4467218 OTU425320
1119 1083.5 1126 1621.5 509 1124 1122 1120.5 657 1741 1119 1084 1623.5	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876	Methotrexate Photochemotherapy Photochemotherapy Cyclosporin Methotrexate Methotrexate Fumaricacid VitaminDanalogs TAR.topical. Photochemotherapy Phototherapy	OIU8380b OTU4349522 OTU447056 OTU4468125 OTU4460228 OTU4406228 OTU440643 OTU4473201 OTU511475 OTU4317476 OTU4021335 OTU4467218
1119 1083.5 1126 1621.5 509 1124 1122 1120.5 657 1741 1119 1084 1623.5 1619	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876	Methotrexate Photochemotherapy Photochemotherapy Cyclosporin Methotrexate Methotrexate Fumaricacid VitaminDanalogs TAR.topical. Photochemotherapy Phototherapy Phototherapy	OIU8380b OTU4349522 OTU4474056 OTU4468125 OTU4468125 OTU440643 OTU4473201 OTU511475 OTU4317476 OTU43137476 OTU4467218 OTU4625320 OTU4467218 OTU565753
1119 1083.5 1126 1621.5 509 1124 1122 1120.5 657 1741 1119 1084 1623.5 1619 1576	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876	Methotrexate Photochemotherapy Photochemotherapy Cyclosporin Methotrexate Methotrexate Fumaricacid VitaminDanalogs TAR.topical. Photochemotherapy Phototherapy Phototherapy Phototherapy	0108380b 0104349522 0104474056 0104468125 0104460228 0104440228 0104473201 010473201 010473201 0104735 010467218 010467218 010465718 010856753 010851668
1119 1083.5 1126 1621.5 509 1124 1122 1120.5 657 1741 1119 1084 1623.5 1619 1576 508	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876	Methotrexate Photochemotherapy Photochemotherapy Cyclosporin Methotrexate Methotrexate Fumaricacid VitaminDanalogs TAR.topical. Photochemotherapy Phototherapy Phototherapy Phototherapy Cyclosporin	Olu8380b OTU4349522 OTU4474056 OTU4474056 OTU4468125 OTU4460228 OTU4473201 OTU511475 OTU4473201 OTU417476 OTU4021335 OTU4467218 OTU652753 OTU4562753 OTU55168 OTU471315
1119 1083.5 1126 1621.5 509 1124 1122 1120.5 657 1741 1119 1084 1623.5 1619 1576 508 841	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876	Methotrexate Photochemotherapy Photochemotherapy Cyclosporin Methotrexate Methotrexate Fumaricacid VitaminDanalogs TAR.topical. Photochemotherapy Photocherapy Phototherapy Phototherapy Cyclosporin Dithranol minute	0108380b 01U4349522 0TU4474056 0TU4468125 0TU4460228 0TU4440228 0TU444023 0TU4473201 0TU511475 0TU4317476 0TU4317476 0TU432133 0TU4467218 0TU4467218 0TU4467218 0TU4467218 0TU45753 0TU851668 0TU4471315 0TU1036883
1119 1083.5 1126 1621.5 509 1124 1122 1120.5 657 1741 1119 1084 1623.5 1619 1576 508 841 500	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876	Methotrexate Photochemotherapy Photochemotherapy Cyclosporin Methotrexate Methotrexate Fumaricacid VitaminDanalogs TAR.topical. Photochemotherapy Phototherapy Phototherapy Phototherapy Cyclosporin Dithranol.minute	OIU8380b OIU4349522 OTU4474056 OTU4468125 OTU4460228 OTU4460228 OTU4460228 OTU4473201 OTU511475 OTU4317475 OTU4317475 OTU447218 OTU467218 OTU467218 OTU467218 OTU455753 OTU555753 OTU851668 OTU4471315 OTU1036883
1119 1083.5 1126 1621.5 509 1124 1122 1120.5 657 1741 1119 1084 1623.5 1619 1576 508 841 509	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98378376 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876	Methotrexate Photochemotherapy Photochemotherapy Cyclosporin Methotrexate Methotrexate Fumaricacid VitaminDanalogs TAR.topical. Photochemotherapy Phototherapy Phototherapy Phototherapy Phototherapy Cyclosporin Dithranol.minute Cyclosporin	OU88380b OTU4349522 OTU4474056 OTU4474056 OTU4468125 OTU4460228 OTU440643 OTU4473201 OTU511475 OTU4021335 OTU4467218 OTU47318 OTU5757 OTU57577 OTU5757 OTU5757 OTU57577 OTU57577 OTU575777 OTU5757777
1119 1083.5 1126 1621.5 509 1124 1122 1120.5 657 1741 1119 1084 1623.5 1619 1576 508 841 509 934.5	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876	Methotrexate Photochemotherapy Photochemotherapy Cyclosporin Methotrexate Methotrexate Fumaricacid VitaminDanalogs TAR.topical. Photocherapy Phototherapy Phototherapy Phototherapy Cyclosporin Dithranol.minute Cyclosporin Retinoids	OIU8380b OIU4349522 OTU4474056 OTU4468125 OTU4460228 OTU4440228 OTU444023 OTU511475 OTU511475 OTU511475 OTU41317476 OTU427320 OTU4467218 OTU467218 OTU467218 OTU467218 OTU45753 OTU851668 OTU4471315 OTU851868 OTU43884 OTU103883
$\begin{array}{c} 1119\\ 1083.5\\ 1126\\ 1621.5\\ 509\\ 1124\\ 1122\\ 1120.5\\ 657\\ 1741\\ 1119\\ 1084\\ 1623.5\\ 1619\\ 1576\\ 508\\ 841\\ 509\\ 934.5\\ 966\\ \end{array}$	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98378576 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876	Methotrexate Photochemotherapy Photochemotherapy Cyclosporin Methotrexate Methotrexate Fumaricacid VitaminDanalogs TAR.topical. Photochemotherapy Phototherapy Phototherapy Phototherapy Phototherapy Cyclosporin Dithranol.minute Cyclosporin Retinoids	0108380b 0TU4349522 0TU4449522 0TU4474056 0TU4468125 0TU4460228 0TU4473201 0TU511475 0TU4021335 0TU447218 0TU4021335 0TU4467218 0TU625373 0TU4467218 0TU55753 0TU4467218 0TU55753 0TU4471315 0TU1036883 0TU837884 0TU103810 0TU446521
1119 1083.5 1126 1621.5 509 1124 1122 1120.5 657 1741 1119 1084 1623.5 1619 1576 508 841 509 934.5 966 932.5	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98378876 0.9837876 0.9937876 0.99776 0.99776 0.99776 0.99776 0.99776 0.99776 0.99776 0.99776 0.99776 0.99776 0.99776 0.99776	Methotrexate Photochemotherapy Photochemotherapy Cyclosporin Methotrexate Methotrexate Fumaricacid VitaminDanalogs TAR.topical. Photocherapy Phototherapy Phototherapy Phototherapy Cyclosporin Dithranol.minute Cyclosporin Retinoids Retinoids	Olu8380b OTU449522 OTU4474056 OTU4468125 OTU4468125 OTU440028 OTU440028 OTU4473201 OTU51475 OTU4317476 OTU42133 OTU467218 OTU467218 OTU467218 OTU467218 OTU55753 OTU851668 OTU4471315 OTU851668 OTU4471315 OTU8516883 OTU837884 OTU03810 OTU103810 OTU445521 OTU46521 OTU446521
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$\begin{array}{c} 1119\\ 1083.5\\ 1126\\ 1621.5\\ 509\\ 1124\\ 1122\\ 1120.5\\ 657\\ 1741\\ 1119\\ 1084\\ 1623.5\\ 1619\\ 1576\\ 508\\ 841\\ 509\\ 934.5\\ 966\\ 932.5\\ 653\\ 1785.5\\ 1158\\ 1579\\ 1618\\ 508\\ 485\\ 965\\ 1158\\ 1579\\ 1618\\ 508\\ 485\\ 965\\ 1121\\ 1619.5\\ 937.5\\ 1125.5\\ 631\\ \end{array}$	0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98365272 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98378876 0.98530666 0.987455 0.987455 0.987455 0.9874958 0.98835338 0.98835338	Methotrexate Photochemotherapy Photochemotherapy Cyclosporin Methotrexate Methotrexate Fumaricacid VitaminDanalogs TAR.topical. Photocherapy Phototherapy Phototherapy Phototherapy Phototherapy Cyclosporin Retinoids Retinoids Retinoids Retinoids Fumaricacid Fumaricacid Phototherapy Phototherapy Phototherapy Phototherapy Phototherapy Phototherapy Phototherapy Phototherapy Phototherapy Phototherapy Phototherapy Phototherapy Phototherapy Phototherapy Phototherapy Phototherapy Retinoids Retinoids Retinoids TAR.topical. Fumaricacid	0108380b 0TU4349522 0TU4449522 0TU4468125 0TU446028 0TU440643 0TU440643 0TU4473201 0TU51475 0TU4317476 0TU42133 0TU4467218 0TU467218 0TU467218 0TU467218 0TU467218 0TU467218 0TU467218 0TU467218 0TU467218 0TU467218 0TU467218 0TU4467218 0TU446721 0TU44678 0TU4473201 0TU446521 0TU446521 0TU446521 0TU446521 0TU446521 0TU446521 0TU446521 0TU4478950 0TU4478950 0TU4478950 0TU4478950 0TU4478950 0TU445818 0TU4478950 0TU445818 0TU4478051 0TU4478950 0TU435883 0TU4440643 0TU514475
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1155	0.98891134	TAK.topical.	0104294554
1118	0.98891134	Photochemotherapy	OTU4021335
1088	0.98891134	Photochemotherapy	OTU4422405
653	0.08087863	Eumaricacid	0TU2001065
055	0.00007000	Tuttancaciu	0102301303
652	0.98987863	Fumaricacid	0104309323
1126	0.98987863	TAR.topical.	OTU851668
812	0.99051617	Dithranol.minute	OTU1003210
1116	0 99067792	Methotrevate	011/1/299324
110	0.00007702		0104233324
1195	0.99067792	LocalCorticosteroids	0104471315
385	0.99067792	Topical calcineurininhibitors	OTU4481323
1613	0.99067792	Phototherapy	OTU14278
1583	0 99067792	Phototherapy	0TU/474056
011.5	0.00007702	Dithernal asiants	0104474030
811.5	0.99067792	Dithranol.minute	0104449324
651	0.99146669	Fumaricacid	OTU4473201
503.5	0.99146669	Cyclosporin	OTU610043
1152	0.00172594	TAP topical	0TU040092
1132	0.33172384	TAN.topical.	010340083
812.5	0.991/2584	Dithranol.minute	010496787
939	0.99373266	Retinoids	OTU4317476
1779	0 99373266	VitaminDanalogs	OTU939571
1116	0.00465939	Mathatravata	010303071
1110	0.99403828	Methotrexate	0104422403
1115	0.99465828	Methotrexate	010505749
502	0.99465828	Cyclosporin	OTU3208510
815.5	0.99465828	Dithranol minute	OTU4411187
015	0.00465930	Dithranal	0117(1504
615	0.99465828	Dithranol.minute	010761594
1752	0.9949947	VitaminDanalogs	OTU3208510
1114	0.99621042	Methotrexate	OTU4467218
1201	0.99621042	LocalCorticosteroids	OTU1107040
1140	0.00021042	TAD to all 1	0101107540
1149	0.99621042	IAR.topical.	0104439089
1112.5	0.99621042	Photochemotherapy	OTU4318084
234	0.99621042	SystemicCorticosteroids	OTU851925
1610	0.99621042	Photothorany	0TU164002
1010	0.99021042	Photocherapy	010104003
1611	0.99621042	Phototherapy	010285376
1609	0.99621042	Phototherapy	OTU3208510
501.5	0 99621042	Cyclosporin	OTU20360
1610	0.00707008	Bhotothoropy	01020300
1010	0.99797008	Рпососпегару	010403635
1590.5	0.99797008	Phototherapy	010511475
1095	0.99800556	Methotrexate	OTU4449324
949 5	1	Retinoids	OTU285376
1110	1	Mathemata	010203570
1110	1	Wethotrexate	0104349522
1111	1	Methotrexate	OTU4482598
1110	1	Methotrexate	OTU940083
1211 5	1	LocalCorticosteroids	OTU370134
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1592	1	Phototherapy	OTU4021335
1602	1	Phototherapy	OTU4350124
494.5	1	Cyclosporin	OTU285376
499	1	Cyclosporin	OTU360483
498	1	Cyclosporin	OTU4021335
498	1	Cyclosporin	OTU4369229
494	1	Cyclosporin	OTU4411187
495	1	Cyclosporin	OTU4468125
818.5	1	Dithranol.minute	OTU114999
823	1	Dithranol.minute	OTU4348347

REVIEWERS' COMMENTS:

Reviewer #1 (Remarks to the Author):

We feel the authors have sufficiently addressed my concerns for the manuscript. Congratulations on a great paper.

Reviewer #2 (Remarks to the Author):

I am satisfied with what the authors have done to address the comments.

Reviewer #3 (Remarks to the Author):

The manuscript has improved; the sections in the results and discussion regarding interpretation of the S. aureus and host transcriptional signatures is now much better explained.

For Figure S8b, I could not find the methods about how you picked the genes shown in Figure S8b. For example, under "Two_Component_System", only 15 genes have abundance data shown. Were these ones picked because they showed the best differences across the SA high vs low categories? Or were these the ones that had the best WGS coverage? I'm sorry if the methods are clearly stated somewhere, but I couldn't find it easily.

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Responses to the reviewers' comments:

Reviewer #3 (remarks to the author):

For Figure S8b, I could not find the methods about how you picked the genes shown in Figure S8b. For example, under "Two_Component_System", only 15 genes have abundance data shown. Were these ones picked because they showed the best differences across the SA high vs low categories? Or were these the ones that had the best WGS coverage? I'm sorry if the methods are clearly stated somewhere, but I couldn't find it easily.

Answer:

Indeed, the heatmap presented in Figure S8b shows the top most significantly differentially abundant set of microbial genes between the *S. aureus*-high and *S. aureus*-low, with a cutoff of log2 fold-change > 1 and adjusted p-value < 0.05, annotated with the relevant KEGG pathway categories. The statistical test used was the zero-inflated Gaussian model implemented in the metagenomeSeq R package with adjustment for sampling site, body site, age, sex and library preparation. The figure legend has been updated accordingly (Supplementary Fig. 8b).