

# Genetic structure associated with diversity and geographic distribution in the USDA rice world collection

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## ABSTRACT

Cultivated rice (*Oryza sativa* L.) is structured into five genetic groups, *indica*, *aus*, *tropical japonica*, *temperate japonica* and *aromatic*. Genetic characterization of rice germplasm collections will enhance their utilization by the global research community for improvement of rice. The USDA world collection of rice germplasm that was initiated in 1904 has resulted in over 18,000 accessions from 116 countries, but their ancestry information is not available. A core subset, including 1,763 accessions representing the collection, was genotyped using 72 genome-wide SSR markers, and analyzed for genetic structure, genetic relationship, global distribution and genetic diversity. Ancestry analysis proportioned this collection to 35% *indica*, 27% *temperate japonica*, 24% *tropical japonica*, 10% *aus* and 4% *aromatic*. Graphing model-based ancestry coefficients demonstrated that *tropical japonica* showed up mainly in the American continents and part of the South Pacific and Oceania, and *temperate japonica* in Europe and the North Pacific far from the equator, which matched the responses to temperature. *Indica* is adapted to the warm areas of Southern Asia, South China, Southeast Asia, South Pacific and Central Africa and around the equator while *aus* and *aromatic* are special types of rice that concentrates in Bangladesh and India. *Indica* and *aus* were highly diversified while *temperate* and *tropical japonicas* had low diversity, indicated by average alleles and private alleles per locus. *Aromatic* has the most polymorphic information content. *Indica* and *aromatic* were genetically closer to *tropical japonica* than *temperate japonica*. This study of global rice has found significant population stratification generally corresponding to major

geographic regions of the world.

**Keywords:** Genetic Structure; Rice Ancestry; Germplasm Collection; Molecular Diversity; Global Distribution

## 1. INTRODUCTION

Rice (*Oryza sativa* L) is one of the earliest domesticated crop species and has become the one of the world's most widely grown crops. Rice consumption constitutes about 20% of the world's caloric intake, and in Asian countries, where over half of the world's population lives, rice represents over 50% of the calories consumed [1]. Because of its small genome size, rice became the first crop species to have its genome completely sequenced [2,3] and thus has become a model system for other grass species.

*Oryza rufipogon*, a member of more than 20 wild species in the genus *Oryza* [4,5], is commonly regarded as the wild progenitor of cultivated rice, *O. sativa*, which is divided into two sub-species: *indica* and *japonica*. *Indica* is the predominant subspecies representing about 80% of the world rice crop, and the remaining 20% is *japonica* [6]. The two sub-species differ distinctly in morphological and genetic characteristics [7] and their hybrids are highly sterile [8]. As a result, a wide compatibility gene is necessary to utilize hybrid vigor between the two sub-species [9], which is greater than the vigor within either sub-species alone. This classification confirms the empirical distinction between them, which the Chinese recognized in literature as early as 100 AD [10] and called 'Hsian' for *indica* and 'Jing or Geng' for *japonica* [11]. The domestication from *O. rufipogon* to two sub-species of *O. sativa* is believed to have occurred several times [12], but more recent studies indicate a single domestication [13].

Molecular markers and more recently, high throughput genome sequence efforts, have dramatically increased

the capability to characterize genetic diversity and population structure in plant germplasm pools [14]. Early studies divided the cultivated rice into six groups: *indica*, *japonica*, *aus*, *aromatic*, *rayada* and *ashima* [11]. *Rayada* and *ashima* are floating types of rice limited in special areas of Bangladesh and India. The former is responsive to photo-period, but the latter is not. *Aus*, drought-tolerant rice cultivars grown in Bangladesh and West Bengal, is further differentiated from *indica*. *Japonica* has been divided into three groups: *tropical japonica* or *javanica*, *temperate japonica* and *aromatic* [12, 15-17]. Because *Rayada* and *ashima* are minor and limited, research efforts have concentrated on five sub-groups: *indica*, *aus*, *tropical japonica*, *temperate japonica*, and *aromatic* [12,15,17].

Genetic incompatibility between *indica* and *japonica* results in hybrid sterility [8,9,18,19]. Thus, hybrid rice which exhibits a yield advantage of 15 to 20 percent over the best traditional cultivars [20,21] has been limited to parents within each sub-species [22]. However, because heterosis between the two sub-species, as observed in vegetative growth, panicle size and spikelets per panicle, is so pronounced, scientists consistently make an effort to overcome the sexual barrier [8,9, 18,19]. Analyses of genetic structure and relationships based on genetic differentiation in rice help design breeding strategies and overcome the sexual barrier for utilizing inter-subspecies heterosis. This subject has attracted numerous studies on five-model structure in rice genetics [11,12,15-17,23-26]. However, these studies were based on an evaluation of limited set of diverse materials ranging from 72 [16] to 330 accessions [24] instead of a complete worldwide collection. The only study on a complete rice collection was done by Zhang et al. [27], where ecotypes in both *indica* and *japonica* of the China national collection were analyzed.

Genetic structure is usually inferred using the model-based clustering algorithms implemented in STRUCTURE [28-30] and TESS [31]. Admixture coefficients of population as the outputs of STRUCTURE or TESS analyses could be integrated in other programs to demonstrate geographical structure of populations [32]. These computer programs have been widely used for analysis of genetic structure in rice [17,23,24].

The rice world collection in the USDA National Plant Germplasm System (NPGS) started in 1904 [33] and contains over 18,000 accessions from 116 countries representing 12 *Oryza* species with 99% originating from *O. sativa* [34]. However, ancestry information is not available for these accessions. A core subset including 10% of the collection has proven to well represent the whole collection [35], so is a good subset for genetic assessment of the collection.

Using genotypic information of the core subset generated by 72 genome-wide SSR markers, the objectives of

this study were to 1) characterize genetic structure of ancestry population, 2) analyze geographic distribution of each population in rice growing areas of the world, and 3) describe genetic diversity and specialty in each of the populations, including average alleles distinct and private to a population in the USDA rice world collection. The resulting information could help design genetic strategies for gene transfer among genetic populations and utilization of hybrid vigor between genetic populations.

## 2. MATERIALS AND METHODS

### 2.1. Materials and Genotyping

Advantages for using core subset strategy in germplasm characterization and management of a large collection have been well documented [35,36]. A core collection of 1,794 accessions was developed using a stratified random sampling method [37]. Evaluation of the core collection has been applied to 14 characteristics with agronomic and quality importance [35], and resistance to biotic and abiotic stresses including straighthead disorder [38]. Genetic information resulted from this study combining with phenotypic evaluations would help understand this collection. This core collection genotyped by 72 single sequence repeat (SSR) markers was studied for our objectives. Purification of each core accession was conducted using single plant selection to remove 'heterogeneity' for genotyping purpose [39]. The SSR markers were distributed over the entire rice genome about every 30 cM in genetic distance [39]. Total genomic DNA was extracted using a rapid alkali extraction procedure [40] from a bulk of five plants representing each accession. PCR amplifications of the markers followed the protocol described by Agrama et al. [39]. DNA samples were separated on an ABI Prism 3730 DNA analyzer according to the manufacturer's instructions (Applied Biosystems, Foster City, CA, USA). Fragments were sized and binned into alleles using GeneMapper v. 3.7 software.

Nine accessions were excluded from analysis because of their unknown (four accessions) and uncertain (two) originations and failure during processing (three) as well as 22 other species. The remaining 1,763 accessions of *Oryza sativa* were analyzed using the following methods. Structural ancestry of each accession was inferred by 40 reference cultivars that have known structural information, which are marked in the **Supplementary Table**. There were 17 core accessions, 19 cultivars commercialized in the U.S. and four in China, respectively. Two of the core accessions originated in the U.S. as well. Forty reference cultivars had five *aromatic*, three *aus*, eight *indica*, four *temperate japonica* and 20 *tropical japonica* types described by Garris et al. [17], Agrama

and Eizenga [23], Agrama and Yan [41], Mackill [6] and McNally *et al.* [42]. Twenty-one U.S. reference cultivars included one *indica* (Jasmine 85), two *temperate japonicas* grown in California (M201 and M202), and 18 *tropical japonicas* commercialized in the southern states.

Each country from which germplasm originated was grouped in the geographic region according to the United Nations Statistics Division (<http://unstats.un.org/unsd/methods/m49/m49regin.htm>). Latitude and longitude of each accession were downloaded from the USDA Germplasm Resources Information Network (GRIN, [www.ars-grin.gov](http://www.ars-grin.gov)) when available. They were inferred using coordinate location of the state or province where it was collected if the location is marked in the GRIN. Otherwise, the location was inferred using the location of its capital city for the accession to be collected.

## 2.2. Statistical Analysis

Genotypic data of 72 SSR markers for 1,763 core accessions plus additional 23 reference cultivars were used to decide putative number of structures at first. Genetic structure was inferred using the admixture analysis model-based clustering algorithms implemented in TESS v. 2.1 [31]. TESS implements a Bayesian clustering algorithm for spatial population genetics. Multi-locus genotypes were analyzed with TESS using the Markov Chain Monte Carlo (MCMC) method, with the F-model and a  $\psi$  value of 0.6 which assumes 0.0 as non-informative spatial prior. To estimate the K number of ancestral-genetic populations and the ancestry membership proportions of each individual in the cluster analysis, the algorithm was run 50 times, each run with a total of 70,000 sweeps and 50,000 burn-in sweeps for each K value from 2 to 9. For each run we computed the Deviance Information Criterion (DIC), the log-likelihood value [43] and rate of change in the log-likelihood value ( $\Delta K$ ) [44], which are the model-complexity penalized measures to show how well the model fits the data. The putative number of populations was obtained when the DIC and  $\Delta K$  values were the smallest and estimates of data likelihood were the highest in 10% of the runs. Similarity coefficients between runs and the average matrix of ancestry membership were calculated using CLUMPP v. 1.1 [45].

Each accession in the core collection was grouped to a specific cluster or population by its K value resulted from cluster analysis using TESS. The sub-species ancestry of each K was inferred by the reference cultivars for *indica*, *aus*, *aromatic*, *temperate japonica*, and *tropical japonica* rice. Analysis of molecular variance (AMOVA) [46] was used to calculate variance components within and among the populations obtained from TESS in the collection. Estimation of variance components was performed using the software ARLEQUIN 3.0 [47]. The AMOVA-derived  $\Phi_{ST}$  [48] is analogous to

Wright's F statistics differing only in their assumption of heterozygosity [49].  $\Phi_{ST}$  provides an effective estimate of the amount of genetic divergence or structuring among populations [46]. Significance of variance components was tested using a non-parametric procedure based on 1,000 random permutations of individuals. The computer package ARLEQUIN was used to estimate pair-wise  $F_{ST}$  [50] for the five populations obtained from TESS.

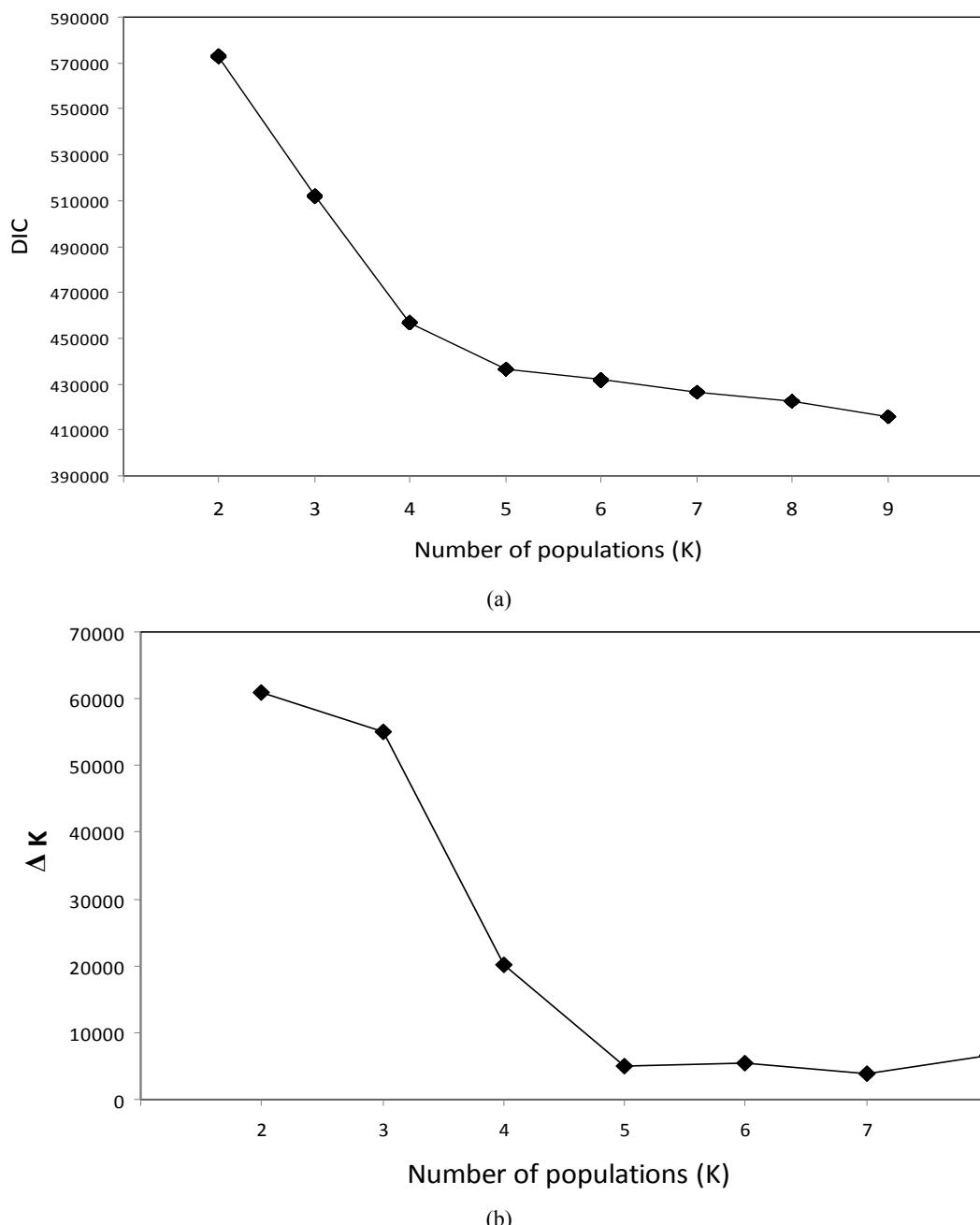
Multivariate analysis such as principle coordinates analysis (PCA) provides techniques for classifying the inter-relationship of measured variables among populations. Multivariate geo-statistical methods combine the advantages of geo-statistical techniques and multivariate analysis while incorporating spatial or temporal correlations and multivariate relationships to detect and map different sources of spatial variation on different scales [51,52]. Geographical spatial interpolation of principal coordinates of latitude and longitude and admixture ancestry matrix coefficients (Ks) calculated in TESS for each accession were represented by kriging method [32] as implemented in the R statistical packages 'spatial', 'maps' and 'fields' [53,54] for visualizing distribution in the world map.

Principal coordinates analysis (PCA) was conducted using GenAlex 6.2 [55] software to structure the core collection genotyped by 72 SSR markers, and generate the PCA. Geo-statistical and geographic analysis was based on CNT coordinates of latitude and longitude where a core accession originated using the R statistical packages. Polymorphism information content (PIC) and number of alleles per locus in each sub-species population were estimated using PowerMarker software [56]. Number of distinct alleles in each population and number of alleles private to each population that is not found in other populations, were calculated using ADZE program (Allelic Diversity AnalyZEr) [57]. ADZE uses the rarefaction method to trim unequal accessions to the same standardized sample size, a number equal to the smallest accessions across the populations.

## 3. RESULTS

### 3.1. Number of Populations and Their Ancestries

Structural analysis for 1,763 accessions in the USDA rice core collection plus 23 reference cultivars genotyped with 72 molecular markers using TESS program [31] resulted in the most sharp variation of both the log-likelihood value Deviance Information Criterion (DIC) and its change rate ( $\Delta K$ ) till the putative number (K) of populations reached five, indicating the most likelihood structure of the collection (Figure 1). The inferred ancestry estimate of each accession in each K is presented in the Supplementary Table (Sup Table). Similarly, principle coordinates (PC) analysis of Nei's genetic

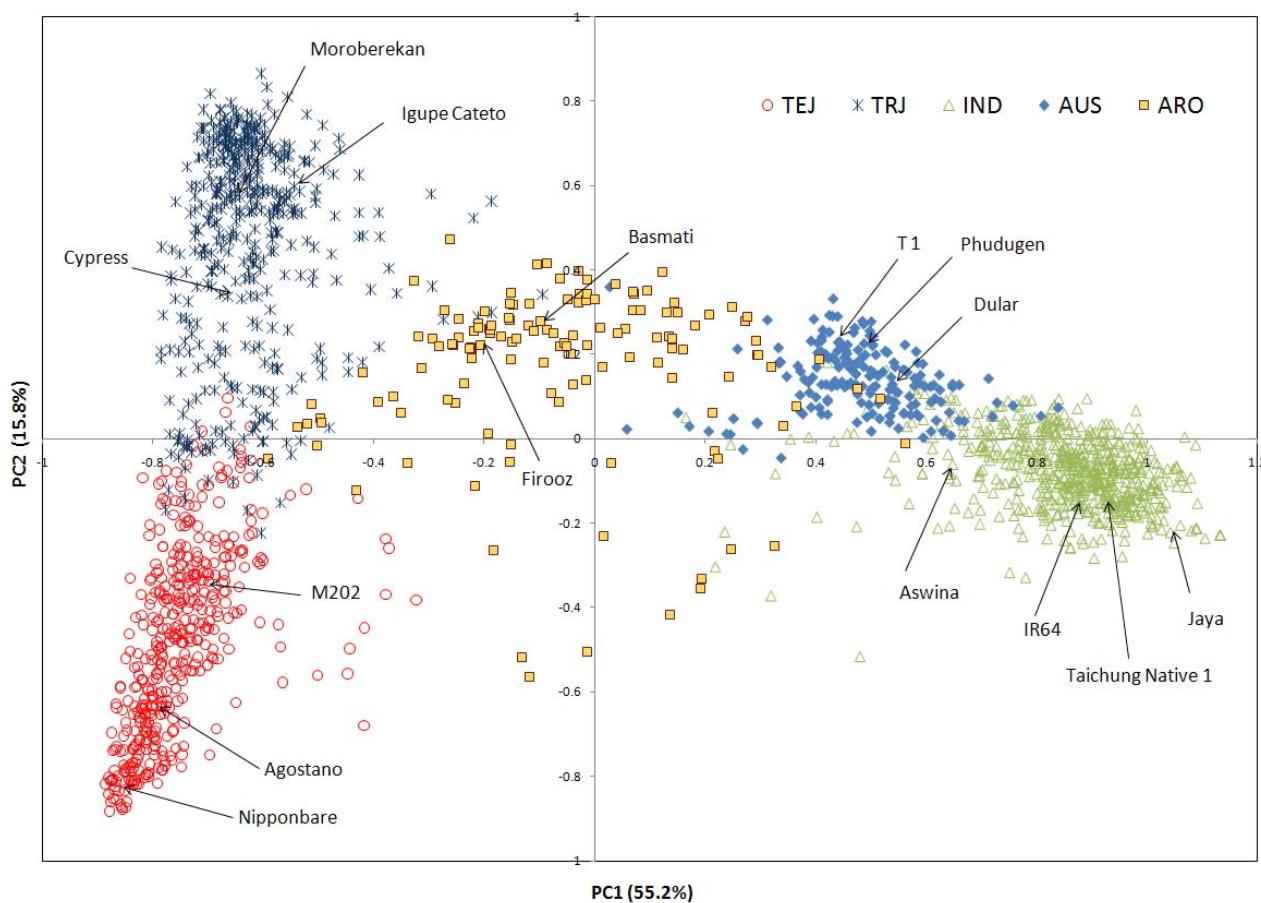


**Figure 1.** Five populations should be structured based on (a) the log-likelihood values (Deviance Information Criterion, DIC) and (b) the change rate of log-likelihood values ( $\Delta K$ ) for estimated number of populations over 50 structure replicated runs using TESS program. A plateau of DIC and maximum  $\Delta K$  indicate the most likely number of populations.

distance [58,59] classified the core accessions into five clusters by PC1 and PC2 including 71% of total variances (**Figure 2**). Both structure and PC analyses indicated that five populations sufficiently explained the genetic relationship in the core collection. Analysis of molecular variance (AMOVA) showed that 38% of the variance was due to genetic differentiation among the

populations (**Table 1**). The remaining 62% of the variance was due to the differences within the populations. The variances among and within the populations were highly significant ( $P < 0.001$ ).

Among 40 reference cultivars, 20 that are known *tropical japonica* (TRJ) were classified in K1, four known *temperate japonica* (TEJ) in K2, eight known



**Figure 2.** Principle coordinates analysis of five populations inferred by highlighted reference cultivars (*temperate japonica* – TEJ, *tropical japonica* – TRJ, *indica* - IND, *aus* - AUS and *aromatic* - ARO) for 1,763 core accessions genotyped with 72 SSR markers (Data presented in **Supplementary Table**).

*indica* (IND) in K3, three known *aus* (AUS) in K4 and five known *aromatic* (ARO) in K5 (**Sup Table**), indicating the correspondent ancestry of each population. Based on the references, each accession was clearly assigned to a single population when its inferred ancestry estimate was 0.6 or larger, the cutoff criterion used by Garris *et al.* [17] (**Supplementary Table**), and admixture between populations when its estimate was less than 0.6 (**Sup Table**). Admixture was based on proportion of the estimate, i.e. GSOR 310002 was assigned TEJ-TRJ because of its estimate 0.5227 in K2 and 0.4770 in K1.

K1 or *tropical japonica* population included 351 (19.9%) absolute accessions, 40 (2.3%) admixtures with K2 or *temperate japonica* population, 26 (1.5%) admixtures with K3 or *indica* and one admixture with K4 or *aus*. In K2, 419 (23.8%) accessions had absolute ancestry, 52 (2.9%) admixed with K1 and eight admixed with other populations. K3 or *indica* population had 620 (35.1%) accessions among which 590 were clearly assigned, twelve admixed with K4, eight admixed with

each of K1 and K2 and two with K5. One hundred sixty-one (9.1%) accessions were clearly grouped in K4, 13 were admixed with K3 and one admixed with K5 or *aromatic* population. Sixty-three (4.0%) accessions were clearly structured in K5, five were admixed with K2 and three admixed with other populations.

### 3.2. Genetic Relationship and Global Distribution of Ancestry Populations

All pair-wise estimates of  $F_{ST}$  using AMOVA for the populations were highly significant ranging from 0.240 between *tropical japonica* and *aromatic* to 0.517 between *temperate japonica* and *aus* (**Table 2**). *Indica* was about equally distant from *aromatic* and *aus*, but more distant from *temperate japonica* and *tropical japonica*. *Aus* and *indica* were mostly differentiated from *temperate japonica*. However, *temperate japonica*, *tropical japonica* and *aromatic* were close to each other in comparison with others. These relationships were consistent with structure analysis revealed by the PCA (**Figure 2**).

**Table 1.** Analysis of molecular variance (AMOVA) for the 1,763 core accessions and 23 reference cultivars for five populations (*aromatic*, *aus*, *indica*, *temperate japonica* and *tropical japonica*) based on 72 SSR markers.

Source	df	SS	MS	Est.Var.	%	$\Phi_{ST}$	P-value <sup>a</sup>
Among Pops	4	57383	14346	43	38	0.38	<0.001
Within Pops	1781	124086	70	70	62	0.62	<0.001
Total	1785	181470		112	100		

<sup>a</sup>Probability of obtaining a more extreme random value computed from non-parametric procedures (1,000 permutations).

**Table 2.** Pairwise estimates of  $F_{ST}$  (lower diagonal) and their corresponding probability values (upper diagonal) for five rice populations, K5 - *aromatic* (ARO), K4 - *aus* (AUS), K3 - *indica* (IND), K2 - *temperate japonica* (TEJ) and K1 - *tropical japonica* (TRJ) for 1,763 core accessions genotyped with 72 SSR markers based on 999 permutations.

	ARO	AUS	IND	TEJ	TRJ
ARO		0.001	0.001	0.001	0.001
AUS	0.253		0.001	0.001	0.001
IND	0.284	0.308		0.001	0.001
TEJ	0.317	0.517	0.500		0.001
TRJ	0.240	0.475	0.462	0.273	

Among 418 accessions of *tropical japonica* rice in the collection, the majority is collected from Africa (100 or 24%) and South America (88 or 21%), followed by Central America (15%), North America (13%), South Pacific (6%), Southeast Asia and Oceania (5% each) (Figure 3(a), Sup Table). The remaining accessions scattered in other regions. North America had 70 accessions in total and 55 were grouped in *tropical japonica*, which was the highest percentage (79%) among 14 regions, followed by Central America (56%), Africa (49%) and South America (41%). Among 112 countries, the U.S. in North America had the highest percentage (92%) of accessions, followed by Cote d'Ivoire and Zaire (91%) in Africa and Puerto Rico (72%) in Central America.

Most *temperate japonica* rice is collected from Western and Eastern Europe (20% each), followed by North Pacific (14%), South America (10%), Central Asia (7%) and North China (7%) (Figure 3(b), Sup Table). Similarly, Western and Eastern Europe had the highest percentage (85% each) of *temperate japonica*, followed by North Pacific (55%) and South America (20%). Hungary accessions had the highest percentage (97%), followed

by Italy (89%), Russian Federation and Portugal (83% each).

Based on United Nations' classification, region China includes Mongolia, Hong Kong, Taiwan and China itself. Most *indica* rice (25%) is collected from region China, followed by the Southern Asia (14%), South America (13%), Southeast Asia and Africa (10% each) (Figure 3(c), Sup Table). Region China had the highest percentage (72%) of *indica*, followed by South Pacific (57%), Southeast Asia (53%), Southern Asia (38%) and Africa (29%). Also, country China had the highest percentage (84%) of *indica*, followed by Columbia (81%), Sri Lanka (80%) and Philippines (68%).

About half of the *aus* rice in the collection was sampled from the Southern Asia (48%), followed by Africa (16%), Middle East (11%), South America and Southeast Asia (7% each) (Figure 3(d), Sup Table). Southern Asia had the highest percentage (40%) of *aus*, followed by Middle East (21%), Africa (14%) and Southeast Asia (10%). Bangladesh had the highest percentage (63%) of *AUS*, followed by Iraq (64%), Pakistan (49%) and India (40%).

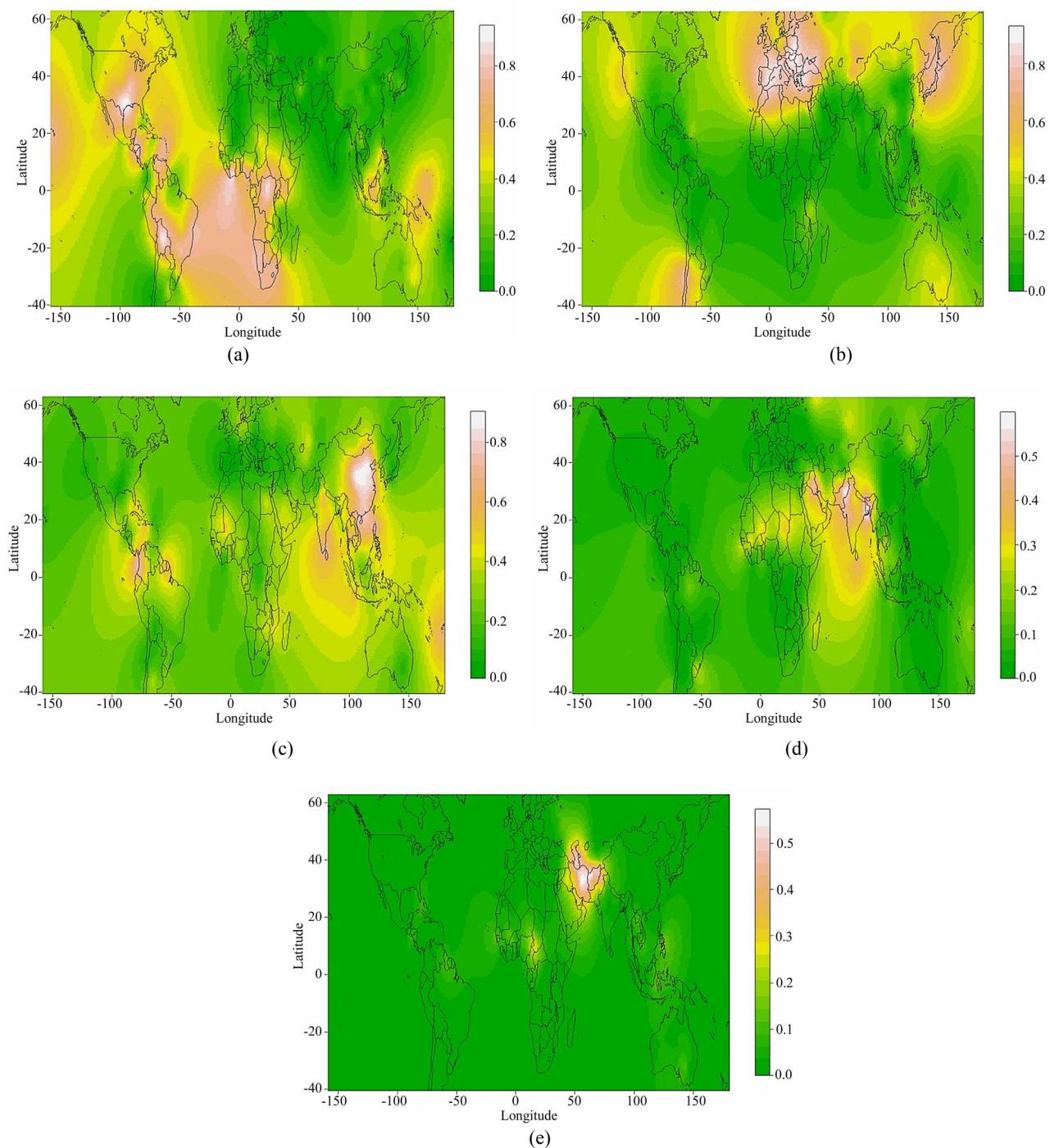
*Aromatic* rice in the collection originated mainly from Pakistan (20%) and Afghanistan (13%) in the Southern Asia and Azerbaijan (15%) in Central Asia, representing 37%, 44% and 57% of total core accessions from these countries, respectively (Figure 3(e), Sup Table).

### 3.3. Genetic Diversity of Ancestry Populations

Average alleles per locus were the highest in *indica*, followed by *aus*, *aromatica*, *tropical japonica* and *temperate japonica* (Figure 4). *Indica* had 45% more alleles per locus than *temperate japonica*. *Aromatic* had the highest polymorphic information content (PIC), followed by *aus*, *indica*, *tropical japonica* and *temperate japonica*. The PIC value of *temperate japonica* was 72% less than that of *aromatic*. Similarly after standardizing sample size for five populations, *indica* had the most alleles per locus (7.95), which was close to *aus* (7.76) and *aromatic* (7.44) (Figure 5(a)). *Tropical* (6.53) and *temperate japonica* (5.66) had much less alleles per locus than those three populations. Private alleles per locus in a population are unique to others. *Aus* (1.01) had the most private alleles, which was similar to *indica* (0.93) and much more than *tropical japonica* (0.50), *temperate japonica* (0.34) and *aromatic* (0.20) (Figure 5(b)).

## 4. DISCUSSIONS

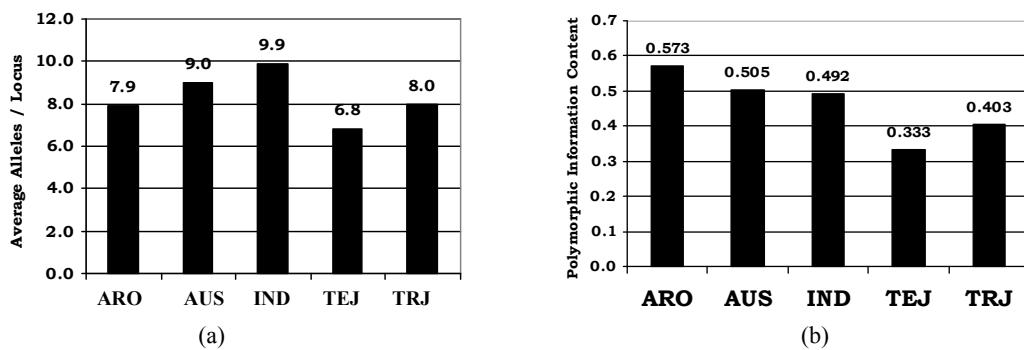
Rice grown in the west belt of the U.S. belongs to *temperate japonica* and in the south belt to *tropical japonica* [6,17]. However, a consistent effort has been applied to



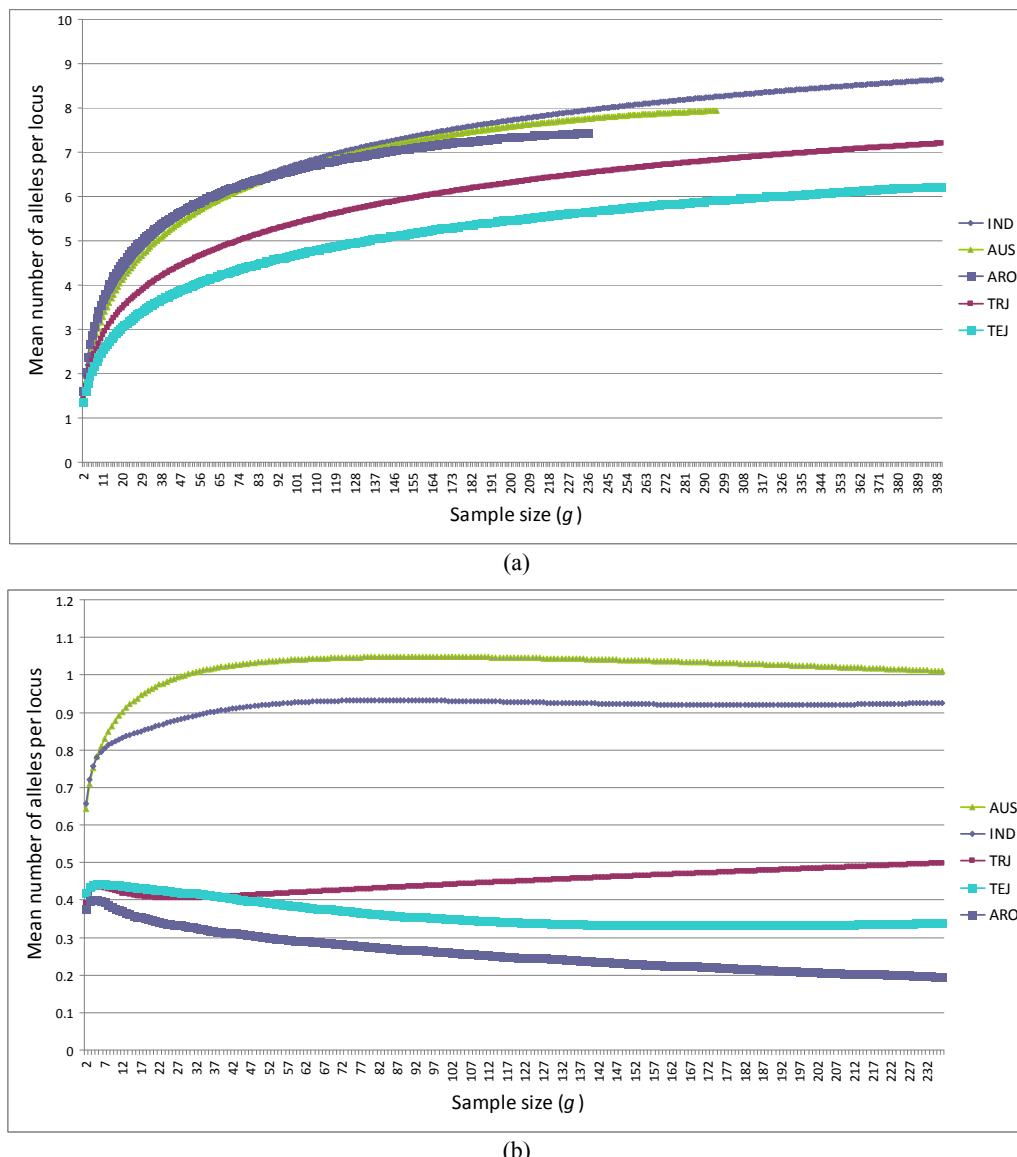
**Figure 3.** Global distribution of core accessions in each population resulted from cluster analysis and inferred by reference cultivars based on geographical coordinates of latitude and longitude in (a) K1 (*tropical japonica* – TRJ); (b) K2 (*temperate japonica* – TEJ); (c) K3 (*indica* – IND); (d) K4 (*aus* – AUS); and (e) K5 (*aromatic* – ARO) (Data presented in **Supplementary Table**).

collect rice germplasm in a global scope for maximizing genetic diversity in the USDA rice germplasm collection. As a result, this collection holds over 18,000 accessions introduced from 116 countries at present. This study

demonstrated that the collection contains 35% *indica*, 27% *temperate japonica*, 24% *tropical japonica*, 10% *aus* and 4% *aromatic*. This was the first time to completely structure a worldwide collection using molecular



**Figure 4.** Genetic diversity analysis for five populations resulted from cluster analysis and inferred by reference cultivars K1 (*tropical japonica* – TRJ), K2 (*temperate japonica* – TEJ), K3 (*indica* – IND), K4 (*aus* – AUS) and K5 (*aromatic* – ARO).



**Figure 5.** The mean number of (a) distinct alleles per locus and (b) private alleles per locus to each of five populations, K1 (*tropical japonica* – TRJ), K2 (*temperate japonica* – TEJ), K3 (*indica* – IND), K4 (*aus* – AUS) and K5 (*aromatic* – ARO), as functions of standardized sample size g.

tools. The information generated in this study could help design genetic strategies for gene transfer, evidenced by a similar study in maize (*Zea mays* L.) [60].

In general, *indica* is grown in tropical and subtropical regions of low latitude and low altitude with warmer climate conditions, while *japonica* in high altitudes or temperate regions of high latitudes with cooler climate conditions. As indicated by the name, *tropical japonica* is more tolerant to warm climate conditions than *temperate japonica*. *Temperate japonica* is predominantly grown across Northeast Asia, Europe, Western U.S. and Australia, while *tropical japonica* is most common in Southeast Asia, Southern China, Southern U.S., and the uplands of Latin America and Africa [22]. *Aromatic* is special fragrant rice such as 'Basmati' type of cultivars grown in the Himalayan region including Pakistan, Nepal and India. Both *aus* and *aromatic* are small groups and concentrated in Bangladesh and India. *Indica* is grown on about 80% of the world's total rice area with the remaining 20% *japonica* [6]. In fact, *indica* and *japonica* cultivars can be found sympatric in many areas. In mountainous regions of Bhutan, Nepal and Yunnan Province of China, *indica* is grown at lower elevations and *japonica* at higher elevations. Occasionally, *indica* and *japonica* cultivars can be found in the same village or same field [61].

Occurrence or distribution of *indica* and *japonica* cultivars is largely affected by human activity. During the Indonesian expansion to Madagascar, many *tropical japonica* cultivars grown locally and *indica* cultivars from South Asia were introduced [62]. A consequence of these waves of introduction of rice is inter-subspecific (*indica/japonica*) hybridization, resulting in a variety group specific to Madagascar. The aforementioned distribution of rice groups has completely depended on germplasm survey and exploration. Through the USDA rice world collection we are able to visualize the global distribution of each group of accessions and their genetic differences, using structural analysis of molecular markers with geographical regions. This visualization highly matches with the survey reported previously [12,15-17,62]. This matching is evident that molecular information can be utilized for geographic study which is usually done by investigation or survey that is more costly in time and money than the lab work for molecular data. This study of global rice has found significant stratification generally corresponding to major geographic regions of the world. Stratification in plant diversity panels and breeding populations appears to resemble the level found in many studies. For example, sixteen of 21 studied populations were differentiated into three or more subgroups using STRUCTURE [63]. To provide an additional, and rather different, type of algorithm against which to

compare our structure, we also analyzed the data using principal coordinates analysis (PCA). It has been shown [64] that the resolution of PCA methods and STRUCTURE are quite similar in many cases.

Genetic differentiation between *indica* and *japonica* is ancient, resulting in a sterility barrier associated with the hybrids between these two subspecies except when wide compatibility genes are present [8,9,22]. The barrier limits commercial hybrid rice within each subspecies. However, development of *indica/japonica* hybrids has showed immense yield potential compared with intra-subspecies hybrids due to genome diversity. Hybrid vigor or heterosis is expressed as a function of additive, dominant and epistatic gene effects which is positively associated with gene diversity [65]. The more genetically distant the parents are, the stronger heterosis should be expected. As a result, genetic diversity and relationship among these types of rice will help design breeding strategies for overcoming sexual barrier and optimizing heterosis on characteristics with agronomic importance.

*Indica* is about equally and genetically distant to *aus* and *aromatic*, but far away from *temperate japonica* and *tropical japonica*. *Indica* is highly diversified, as indicated by the most alleles per locus and the second most private alleles per locus and the third most polymorphic information content (PIC) among the five groups. *Tropical japonica* is close to *aromatic* and *temperate japonica*, but far from *aus* and *indica*. *Tropical japonica* has the second lowest alleles per locus and PIC. *Temperate japonica* is genetically farther from *indica* than *tropical japonica* and has the lowest PIC and average alleles and private alleles per locus among the five groups. *Aus* is mostly distant from *temperate japonica* and then from *tropical japonica*, *indica* and *aromatic*, and has the most private alleles per locus and the second most average alleles per locus and PIC. *Aromatic* has the closest genetic relationship to *tropical japonica*, which is similar to *aus* and *indica*, and then to *temperate japonica*. In terms of genetic diversity, *aromatic* has the most PIC.

We confirmed that *japonica* is genetically less diversified than *indica* and its diversity is even smaller in *temperate japonica* than in *tropical japonica*. However, our results could not completely agree with the division of *aromatic* from *japonica*, concluded previously because  $F_{ST}$  of *aromatic* with *temperate japonica* (0.317) is larger than that with *indica* (0.284). Hybrid sterility between *indica* and *japonica* occurs because of their genetic distance. Therefore, a wide-compatibility gene has to be adapted for good seed set. *Indica* is closer to *tropical japonica* than *temperate japonica*. The genetic relationship makes sense, because almost all the cultivars bred in the Southern U.S., which belongs to *tropical japonica* [6], are widely compatible for the inter-subspecies

crosses [66]. In other words, the wide-compatibility genes popularly exist in *tropical japonica* rice. Similarly, *aromatic* is widely compatible for the inter-subspecies crosses, demonstrated by successfully bred aromatic hybrid rice, Chuanxiang [67]. Furthermore, genetic diversity in *japonica* can be enriched along with improvement of fragrance using wide compatibility because *aromatic* was more diversified than *japonica*, especially *temperate japonica*.

In conclusion, characterization of the USDA rice world collection for genetic structure will better serve the global rice community for cultivar improvements in rice, especially hybrid rice because this collection is internationally available, free of charge and restrictions for research purposes. Seed may be requested via [www.ars-grin.gov](http://www.ars-grin.gov) for the whole collection, and <http://www.ars.usda.gov/Main/docs.htm?docid=8318> for the core collection.

## 5. ACKNOWLEDGEMENTS

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**SUPPLEMENTARY TABLE**

Ancestry coefficients (K value) for each accession in the USDA rice core collection with genetic stock number (GSOR NO), accession number (ACNO)												
GSOR NO	ACP	ACNO	Cultivar name	Country	Region	Received	Ancestry	K1-TRJ	K2-TEJ	K3-IND	K4-AUS	K5-ARO
310001	Clor	8	Ostiglia	Italy	Western_Europe	1904-3-1	IND	0.0024	0.0022	0.9946	0.0006	0.0001
310002	Clor	1160	GPNO 967	Guatemala	Central_America	1904-12-1	TEJ-TRJ	0.4770	0.5227	0.0002	0.0001	0.0001
310003	Clor	1664	WC 3398	Mexico	North_America	1909-7-1	TRJ	0.9989	0.0006	0.0003	0.0000	0.0001
310004	Clor	2168	WC 3420	Guatemala	Central_America	1915-12-1	TRJ	0.9992	0.0005	0.0001	0.0001	0.0001
310005	Clor	2174	WC 3423	Guatemala	Central_America	1915-12-1	TRJ	0.9991	0.0008	0.0001	0.0000	0.0001
310006	Clor	2181	Nacaome	Honduras	Central_America	1915-12-1	TRJ	0.9959	0.0032	0.0002	0.0002	0.0004
310007	Clor	2490	Karang Serang	Indonesia	South_Pacific	1914-12-1	TRJ	0.7466	0.1808	0.0627	0.0006	0.0093
310008	Clor	4191	Quinanda Pollopot	Philippines	South_Pacific	1916-12-1	TRJ	0.9986	0.0010	0.0001	0.0001	0.0002
310009	Clor	4616	GPNO 1645	Philippines	South_Pacific	1916-12-1	IND	0.0140	0.0080	0.9778	0.0001	0.0001
310010	Clor	5249	Coray 4	Honduras	Central_America	1916-12-1	TRJ	0.9949	0.0039	0.0005	0.0003	0.0005
310011	Clor	5256	Arroz en Granza	Guatemala	Central_America	1916-12-1	IND	0.0013	0.0006	0.9627	0.0062	0.0292
310012	Clor	5390	Jimoca	Peru	South_America	1920-12-1	TRJ	0.8011	0.1986	0.0001	0.0001	0.0001
310013	Clor	5798	WC 4431	Panama	Central_America	1925-12-1	TRJ	0.9986	0.0010	0.0002	0.0000	0.0002
310014	Clor	6332	GPNO 2016	Japan	North_Pacific	1928-12-1	AUS	0.0001	0.0002	0.0006	0.9990	0.0001
310015	Clor	7155	Mayang Khang	Indonesia	South_Pacific	1928-12-1	IND	0.0005	0.0003	0.9988	0.0003	0.0001
310016	Clor	7203	Indonesia Seln	Indonesia	South_Pacific	1928-12-1	TRJ	0.6117	0.2818	0.0956	0.0005	0.0104
310017	Clor	7352	Shinshu	Japan	North_Pacific	1928-12-1	IND	0.0004	0.0005	0.9984	0.0006	0.0001
310018	Clor	8320	DELREX	United States	North_America	1943-7-17	TRJ	0.9793	0.0012	0.0002	0.0001	0.0191
310019	Clor	8635	Romay	Peru	South_America	1946-7-20	TRJ-TEJ	0.5460	0.4535	0.0002	0.0001	0.0001
310020	Clor	9032	E B Gopher	United States	North_America	1954-3-10	TRJ	0.9990	0.0007	0.0001	0.0001	0.0001
310021	Clor	9043	PR 325	Puerto Rico	Central_America	1954-3-10	TRJ	0.9993	0.0004	0.0002	0.0000	0.0001
310022	Clor	9044	PR 358	Puerto Rico	Central_America	1954-3-10	TRJ	0.9986	0.0010	0.0002	0.0000	0.0001
310023	Clor	9049	RD 218	Dominican Republic	Central_America	1954-3-10	TRJ-TEJ	0.5221	0.4776	0.0001	0.0000	0.0001
310024	Clor	9100	B53R3540	Thailand	Southeast_Asia	1954-3-1	ARO	0.0002	0.0001	0.0004	0.0003	0.9990
310025	Clor	9113	B4564A2-11-4-3	United States	North_America	1954-3-1	TRJ	0.9956	0.0040	0.0002	0.0000	0.0002
310026	Clor	9132	B459A3-13-1-2-2	United States	North_America	1954-3-1	TRJ	0.9994	0.0004	0.0001	0.0001	0.0001
310027	Clor	9182	S4517A3-49B-123-4	United States	North_America	1954-3-1	TRJ	0.9993	0.0005	0.0001	0.0000	0.0001
310028	Clor	9219	SD 120	Puerto Rico	Central_America	1954-12-1	TEJ	0.0004	0.9995	0.0001	0.0000	0.0000
310029	Clor	9220	RD 208	Puerto Rico	Central_America	1954-12-1	TRJ	0.9993	0.0005	0.0001	0.0000	0.0001
310030	Clor	9222	PR 378	Puerto Rico	Central_America	1954-12-1	TRJ	0.9969	0.0029	0.0001	0.0000	0.0001
310031	Clor	9323	BC V-2-14	United States	North_America	1954-3-1	TEJ	0.1003	0.8992	0.0004	0.0001	0.0001
310032	Clor	9352	WC 1018	Panama	Central_America	1954-3-1	TRJ	0.9987	0.0010	0.0001	0.0001	0.0002
310033	Clor	9391	49C965	United States	North_America	1957-12-1	TRJ	0.9780	0.0217	0.0002	0.0001	0.0001
310034	Clor	9484	Stg 56655-28	United States	North_America	1961-1-1	TRJ	0.9432	0.0007	0.0536	0.0019	0.0006
310035	Clor	9509	Stg 58-2158	United States	North_America	1961-1-1	TRJ	0.9949	0.0047	0.0003	0.0000	0.0001
310036	Clor	9544	BLUEBELLE	United States	North_America	1962-1-1	TRJ	0.9992	0.0006	0.0001	0.0000	0.0001
310037	Clor	9636	Stg 625377	United States	North_America	1966-12-1	TRJ	0.8797	0.1199	0.0003	0.0000	0.0001
310038	Clor	9644	Stg 9544-32	United States	North_America	1966-12-1	TRJ	0.9990	0.0008	0.0001	0.0000	0.0001
310039	Clor	9723	C 5560	Thailand	Southeast_Asia	1969-12-1	TRJ-TEJ-ARO	0.4661	0.3323	0.0081	0.0006	0.1928
310040	Clor	9733	FORTUNA	Puerto Rico	Central_America	1969-12-1	TRJ	0.9989	0.0009	0.0001	0.0000	0.0001
310041	Clor	9778	1-14-1-3-2	Australia	Oceania	1969-12-1	TEJ-TRJ	0.4807	0.5190	0.0001	0.0000	0.0001
310042	Clor	9824	B6334A2-1-2	United States	North_America	1970-12-1	TRJ	0.6655	0.3342	0.0001	0.0001	0.0001
310043	Clor	9838	Stg 687914	United States	North_America	1971-12-1	TRJ	0.9990	0.0008	0.0001	0.0000	0.0001
310044	Clor	9838	71Cr-5247	United States	North_America	1972-12-1	TRJ	0.7176	0.2822	0.0001	0.0000	0.0001
310045	Clor	9979	LEAH	United States	North_America	1981-10-30	TRJ	0.8053	0.0010	0.0015	0.1565	0.0357
310046	Clor	11009	GPNO 254	United States	North_America	1977-12-1	TRJ-TEJ	0.5895	0.4097	0.0002	0.0002	0.0005
310047	Clor	12010	Catibos	Philippines	South_Pacific	1904-12-1	TRJ	0.9276	0.0705	0.0009	0.0002	0.0008
310048	Clor	12017	CI 1160-1	Guatemala	Central_America	1904-12-1	TEJ	0.0004	0.9994	0.0001	0.0000	0.0000
310049	Clor	12018	CI 1168-2	Guatemala	Central_America	1904-12-1	TRJ	0.9598	0.0399	0.0001	0.0001	0.0001
310050	Clor	12020	Vintula	Guyana	South_America	1904-12-1	TRJ	0.9981	0.0010	0.0005	0.0001	0.0003

310051	Clor	12053	15	Iran	Mideast	1914-12-1	TRJ	0.9806	0.0004	0.0179	0.0002	0.0009
310052	Clor	12153	Quinimpol	Philippines	South_Pacific	1916-12-1	TRJ	0.8467	0.1528	0.0002	0.0001	0.0002
310053	Clor	12180	M'Bale Selection	Kenya	Africa	1920-12-1	TRJ	0.9865	0.0130	0.0001	0.0001	0.0003
310054	Clor	12285	Santaro Selection	Japan	North_Pacific	1947-3-1	TEJ	0.3242	0.6668	0.0074	0.0005	0.0012
310055	Clor	12321	RD 209	Puerto Rico	Central_America	1954-12-1	TRJ	0.9992	0.0005	0.0002	0.0000	0.0000
310056	Clor	12325	PR 398	Puerto Rico	Central_America	1954-12-1	TRJ-TEJ	0.5784	0.4211	0.0003	0.0001	0.0001
310057	PI	2E+05	WC 3395	Jamaica	Central_America	1954-8-18	TRJ	0.9856	0.0139	0.0001	0.0002	0.0001
310058	Clor	12425	Sadri Type	Iraq	Mideast	1949-12-1	ARO	0.0003	0.0005	0.0001	0.0002	0.9989
310059	Clor	12454	CHIKANARI 2	Japan	North_Pacific	1955-6-1	TEJ	0.0006	0.9993	0.0001	0.0000	0.0000
310060	Clor	12466	Criollo Selection	Mexico	North_America	1955-12-1	TRJ	0.9972	0.0024	0.0002	0.0001	0.0001
310061	Clor	12469	Mojito	Bolivia	South_America	1957-12-1	TRJ	0.9991	0.0006	0.0001	0.0001	0.0001
310062	Clor	12496	PI 298965-2	Australia	Oceania	1964-12-1	TRJ-TEJ	0.5216	0.4781	0.0002	0.0001	0.0001
310063	Clor	12498	PI 298967-1	Australia	Oceania	1964-12-1	TEJ-TRJ	0.4768	0.5229	0.0001	0.0001	0.0001
310064	Clor	12505	PR 433	Puerto Rico	Central_America	1954-12-1	TRJ	0.9992	0.0005	0.0002	0.0000	0.0001
310065	Clor	12510	Puang Nigern	Thailand	Southeast_Asia	1947-12-1	TRJ	0.9991	0.0007	0.0002	0.0000	0.0001
310066	Clor	12526	Chong Kuc Tae Pyang	Korea_South	North_Pacific	1947-3-1	TEJ-TRJ	0.4544	0.5351	0.0026	0.0017	0.0062
310067	PI	15547	WC 2634	Tanzania	Africa	1905-3-21	TEJ	0.2295	0.7702	0.0001	0.0001	0.0001
310068	PI	45598	WC 747	St. Lucia	Central_America	1917-10-15	TRJ	0.9991	0.0003	0.0002	0.0003	0.0000
310069	PI	49880	502	Zaire	Africa	1920-4-1	TRJ	0.9878	0.0118	0.0001	0.0001	0.0002
310070	PI	61718	Shala	Turkistan	Central_Asia	1924-9-1	IND	0.0002	0.0002	0.9993	0.0001	0.0001
310071	PI	67155	Safed	India	Southern_Asia	1926-5-1	AUS	0.0001	0.0001	0.0003	0.9995	0.0001
310072	PI	136125	Pata de Gallinazo	Ecuador	South_America	1940-3-25	TRJ	0.9960	0.0037	0.0003	0.0000	0.0000
310073	PI	141750	Fortuna Negro	Peru	South_America	1941-5-9	TRJ	0.7861	0.2081	0.0038	0.0016	0.0004
310074	PI	141755	Mejicano	Peru	South_America	1941-5-9	TRJ	0.9992	0.0006	0.0001	0.0000	0.0001
310075	PI	141757	Tambo	Peru	South_America	1941-5-9	IND	0.0004	0.0009	0.9973	0.0005	0.0009
310076	PI	153454	WC 4203	Russian Federation	Eastern_Europe	1946-2-5	TEJ	0.0008	0.9990	0.0001	0.0001	0.0000
310077	PI	154449	Daido	Mongolia	China	1946-5-10	TEJ	0.3422	0.6556	0.0009	0.0004	0.0009
310078	PI	154452	Saku	Mongolia	China	1946-5-10	TRJ	0.6238	0.3760	0.0001	0.0000	0.0001
310079	PI	154453	Kon Suito	Mongolia	China	1946-5-10	TEJ	0.0028	0.9086	0.0001	0.0019	0.0866
310080	PI	154464	TAICHU MOCHI 59	Taiwan	China	1946-5-10	TRJ	0.7859	0.0052	0.0066	0.0113	0.1910
310081	PI	154478	Natapasume	Taiwan	China	1946-5-10	IND	0.0045	0.0158	0.9761	0.0004	0.0033
310082	PI	154563	TAINO 33	Taiwan	China	1946-5-10	TEJ	0.0003	0.9996	0.0001	0.0000	0.0000
310083	PI	154680	KANAN NO. 3	Taiwan	China	1946-5-10	TEJ	0.0004	0.9993	0.0001	0.0000	0.0001
310084	PI	155222	Rz No. 111	Zaire	Africa	1946-7-19	IND	0.0011	0.0022	0.9963	0.0002	0.0002
310085	PI	155419	Apure	Venezuela	South_America	1946-7-29	TRJ	0.9953	0.0030	0.0013	0.0002	0.0002
310086	PI	155989	WC 2810	Micronesia	Oceania	1946-9-1	TRJ	0.9983	0.0012	0.0004	0.0001	0.0001
310087	PI	155990	WC 2811	Micronesia	Oceania	1946-9-1	TRJ	0.9992	0.0005	0.0002	0.0001	0.0001
310088	PI	157294	Kama Okoshi	Japan	North_Pacific	1947-2-18	TEJ-TRJ	0.4577	0.5340	0.0019	0.0021	0.0042
310089	PI	157296	Ka Oe Chal	Korea_South	North_Pacific	1947-2-18	TEJ-TRJ	0.4550	0.5334	0.0026	0.0023	0.0068
310090	PI	157317	Miyanishiki	Japan	North_Pacific	1947-2-18	TEJ-TRJ	0.4336	0.5659	0.0002	0.0002	0.0001
310091	PI	157326	Owari Mochi	Japan	North_Pacific	1947-2-18	TEJ-TRJ	0.3916	0.5234	0.0012	0.0006	0.0832
310092	PI	157326	Ryuc-u 13	Japan	North_Pacific	1947-2-18	TRJ-TEJ	0.5227	0.4689	0.0081	0.0002	0.0001
310093	PI	157372	Tokyo Shino Mochi	Japan	North_Pacific	1947-2-18	TEJ-TRJ	0.4820	0.5089	0.0018	0.0022	0.0052
310094	PI	157386	Yung Chong Omochi	Korea_South	North_Pacific	1947-2-18	TEJ	0.3407	0.6588	0.0002	0.0002	0.0002
310095	PI	157894	BALILLA	Italy	Western_Europe	1947-3-1	TEJ	0.0003	0.9996	0.0001	0.0000	0.0001
310096	PI	160403	Choh Chang 303 Hao	China	China	1947-11-25	IND	0.0002	0.0012	0.9980	0.0002	0.0004
310097	PI	160448	Leng Shwei Ku Choh	China	China	1947-11-25	IND	0.0008	0.0008	0.9957	0.0020	0.0006
310098	PI	160590	Yang Ku Tsai	China	China	1947-11-25	IND	0.0014	0.0017	0.9963	0.0003	0.0003
310099	PI	160688	Leng Kwang	China	China	1947-11-25	IND	0.0046	0.0005	0.9947	0.0001	0.0001
310100	PI	160700	Ao Chiu 2 Hao	China	China	1947-11-25	IND	0.0009	0.0002	0.9987	0.0001	0.0001
310101	PI	161564	Criollo Apure	Venezuela	South_America	1947-12-26	TRJ	0.7477	0.0007	0.0006	0.0005	0.2505
310102	PI	161567	Criollo Chivacoa 2	Venezuela	South_America	1947-12-26	TRJ	0.9965	0.0030	0.0003	0.0002	0.0001
310103	PI	161571	Precoz de Machiques	Venezuela	South_America	1947-12-26	TRJ	0.9986	0.0010	0.0003	0.0000	0.0001
310104	PI	162115	NORIN 8	Japan	North_Pacific	1948-2-1	TEJ	0.0004	0.9995	0.0001	0.0000	0.0000
310105	PI	162131	SUITO NORIN 3	Japan	North_Pacific	1948-2-1	TEJ	0.0003	0.9995	0.0001	0.0000	0.0000
310106	PI	163336	Bergreis	Austria	Western_Europe	1948-4-21	TEJ	0.0010	0.9987	0.0001	0.0001	0.0002

310107	PI	163575	1021	Guatemala	Central_America	1948-4-1	TRJ	0.9992	0.0004	0.0002	0.0001	0.0002
310108	PI	165610	WC 3777	Honduras	Central_America	1948-6-1	TRJ	0.9988	0.0009	0.0001	0.0001	0.0001
310109	PI	167928	RINALDO BERSANI	Italy	Western_Europe	1948-9-1	TEJ	0.0158	0.9839	0.0001	0.0000	0.0001
310110	PI	168945	Bomba	Spain	Western_Europe	1948-11-1	TEJ-TRJ	0.4944	0.5049	0.0004	0.0002	0.0001
310111	PI	168946	Bombilla	Spain	Western_Europe	1948-11-1	TEJ	0.1930	0.8062	0.0006	0.0001	0.0001
310112	PI	170885	Tehran	Iran	Mideast	1948-11-1	ARO	0.1199	0.0003	0.0004	0.0025	0.8769
310113	PI	175015	EAN 3	Portugal	Western_Europe	1949-2-1	TEJ	0.0007	0.9991	0.0001	0.0001	0.0001
310114	PI	175018	Muga	Portugal	Western_Europe	1949-2-1	TEJ	0.0007	0.9991	0.0000	0.0000	0.0001
310115	PI	177221	6257	Turkey	Mideast	1949-3-1	TEJ	0.3031	0.6965	0.0001	0.0001	0.0002
310116	PI	180175	Early 1600	Peru	South_America	1949-4-1	TEJ	0.0066	0.7746	0.2184	0.0003	0.0002
310117	PI	180178	LAMBAYEQUE NO. 2	Peru	South_America	1949-4-1	IND	0.0003	0.0004	0.8658	0.1300	0.0034
310118	PI	223894	Berenj	Afghanistan	Southern_Asia	1955-2-24	ARO	0.0014	0.0061	0.0002	0.0003	0.9920
310119	PI	185800	BG 79	Guyana	South_America	1950-1-3	ARO	0.0003	0.0004	0.0002	0.0001	0.9990
310120	PI	185811	*T 1	Guyana	South_America	1950-1-3	AUS	0.0002	0.0001	0.0003	0.9992	0.0002
310121	PI	187077	ALLORIO	Italy	Western_Europe	1950-2-28	TEJ	0.0003	0.9996	0.0000	0.0000	0.0000
310122	PI	187078	Chines	Portugal	Western_Europe	1950-2-28	TEJ	0.0011	0.9986	0.0001	0.0001	0.0000
310123	PI	189452	D. Sancho	Portugal	Western_Europe	1950-5-1	TEJ	0.2847	0.7150	0.0001	0.0001	0.0001
310124	PI	189466	Barbado	Portugal	Western_Europe	1950-5-1	TEJ	0.0055	0.9944	0.0001	0.0000	0.0001
310125	PI	190192	WC 3531	Ecuador	South_America	1950-7-1	TRJ	0.9968	0.0029	0.0003	0.0000	0.0000
310126	PI	198624	Catetao Dourado	Peru	South_America	1951-10-1	TRJ	0.9991	0.0007	0.0001	0.0000	0.0001
310127	PI	198625	Secano Brazil	Peru	South_America	1951-10-1	TRJ	0.9993	0.0005	0.0001	0.0000	0.0001
310128	PI	199539	Akulha Branco Medio	El Salvador	Central_America	1952-3-6	TRJ	0.9992	0.0006	0.0001	0.0001	0.0001
310129	PI	199540	Akulha Branco	El Salvador	Central_America	1952-3-6	TRJ	0.9993	0.0004	0.0002	0.0000	0.0001
310130	PI	199551	Matao Lizo	El Salvador	Central_America	1952-3-6	TRJ	0.9993	0.0004	0.0001	0.0001	0.0001
310131	PI	199553	Secano do Brazil	El Salvador	Central_America	1952-3-6	TRJ	0.9988	0.0006	0.0002	0.0001	0.0003
310132	PI	201175	Blue Nile	South Africa	Africa	1952-5-1	TRJ	0.9945	0.0050	0.0002	0.0000	0.0002
310133	PI	201902	NP 125	India	Southern_Asia	1952-6-1	AUS	0.0010	0.0002	0.0005	0.9981	0.0003
310134	PI	202864	BERLIN	Costa Rica	Central_America	1952-9-1	IND	0.0554	0.0011	0.9428	0.0005	0.0002
310135	PI	214076	Buffalo	Jamaica	Central_America	1954-2-11	TEJ-TRJ	0.4489	0.5508	0.0001	0.0000	0.0001
310136	PI	215409	Sanakevelle	Liberia	Africa	1954-4-9	TRJ	0.9982	0.0016	0.0001	0.0000	0.0001
310137	PI	215482	RAZZA 77	Italy	Western_Europe	1954-4-13	TEJ	0.1601	0.8396	0.0002	0.0001	0.0001
310138	PI	215485	Vialone	Italy	Western_Europe	1954-4-13	TEJ	0.0041	0.9956	0.0001	0.0000	0.0001
310139	PI	215520	MARATELLI	Italy	Western_Europe	1954-4-19	TEJ	0.0004	0.9995	0.0001	0.0000	0.0001
310140	PI	215880	TAICHU 153	Taiwan	China	1954-4-28	IND	0.0001	0.0001	0.9997	0.0001	0.0000
310141	PI	215917	TAINAN 5	Taiwan	China	1954-4-28	TEJ	0.0003	0.9995	0.0001	0.0000	0.0000
310142	PI	215952	TAINAN IKU 510	Taiwan	China	1954-4-28	TEJ	0.0004	0.9994	0.0001	0.0001	0.0001
310143	PI	215983	TAKAO 26	Taiwan	China	1954-4-28	TEJ	0.0003	0.9995	0.0002	0.0000	0.0000
310144	PI	220214	British Honduras Creole	Belize	Central_America	1954-7-30	TRJ	0.9988	0.0006	0.0004	0.0001	0.0001
310145	PI	220268	SERENDAH KUNING	Malaysia	South_Pacific	1954-8-6	TRJ	0.9995	0.0003	0.0001	0.0000	0.0001
310146	PI	220485	WC 3396	Jamaica	Central_America	1954-8-18	TRJ	0.9991	0.0006	0.0001	0.0001	0.0001
310147	PI	220486	WC 3397	Jamaica	Central_America	1954-8-18	TRJ	0.9991	0.0005	0.0002	0.0001	0.0001
310148	PI	220872	Criollo de Chirguia 3	Venezuela	South_America	1954-9-15	TRJ	0.9993	0.0004	0.0002	0.0000	0.0001
310149	PI	220873	Criollo de la Fia	Venezuela	South_America	1954-9-15	TRJ	0.9995	0.0003	0.0001	0.0000	0.0001
310150	PI	220874	Criollo de la Victoria	Venezuela	South_America	1954-9-15	TRJ	0.9994	0.0004	0.0001	0.0000	0.0001
310151	PI	222453	Yodanya	Myanmar	Southeast_Asia	1954-12-2	IND	0.0008	0.0005	0.9980	0.0006	0.0001
310152	PI	223484	JAPONESITO DE TRES MESES SEL. F.A.	Argentina	South_America	1955-1-24	TEJ	0.1956	0.8041	0.0002	0.0001	0.0001
310153	PI	223484	VICTORIA TARDIO F.A.	Argentina	South_America	1955-1-24	TEJ	0.2533	0.7463	0.0002	0.0001	0.0001
310154	PI	223497	1201	Afghanistan	Southern_Asia	1955-1-24	IND	0.0003	0.0002	0.9992	0.0002	0.0001
310155	PI	223512	Shali-i-Mahin	Afghanistan	Southern_Asia	1955-1-24	ARO	0.0004	0.0005	0.0004	0.3865	0.6123
310156	PI	223612	Sel. No. 388	Uruguay	South_America	1955-2-8	TEJ-TRJ	0.4532	0.5465	0.0001	0.0001	0.0001
310157	PI	224903	SHIMOTSUKI	Japan	North_Pacific	1955-4-20	TEJ	0.0010	0.9987	0.0001	0.0000	0.0001
310158	PI	224906	SHIN 7	Japan	North_Pacific	1955-4-20	TEJ	0.0002	0.9996	0.0000	0.0000	0.0000
310159	PI	224943	Eiko	France	Western_Europe	1955-4-19	TEJ	0.0009	0.9989	0.0000	0.0001	0.0001
310160	PI	226183	RIKUTO NORIN 11	Japan	North_Pacific	1955-6-6	TEJ	0.3941	0.6029	0.0020	0.0003	0.0006

310161	PI	226204	SHIMIZU MOCHI	Japan	North_Pacific	1955-6-6	TEJ	0.0222	0.9731	0.0010	0.0003	0.0034
310162	PI	226305	GIZA 14	Egypt	Mideast	1955-6-8	AUS	0.0020	0.0002	0.0003	0.9967	0.0007
310163	PI	226308	YABANI MON-TAKHAB 7	Egypt	Mideast	1955-6-8	TEJ	0.0006	0.9991	0.0001	0.0001	0.0001
310164	PI	226329	C1-6-5-3	Mexico	North_America	1955-6-10	TEJ	0.0076	0.7290	0.2632	0.0001	0.0001
310165	PI	226424	C6-116-5-3	Mexico	North_America	1955-6-10	TRJ-TEJ	0.5678	0.4319	0.0002	0.0000	0.0001
310166	PI	226427	C6-146-4-1	Mexico	North_America	1955-6-10	TRJ	0.6343	0.3651	0.0004	0.0001	0.0001
310167	PI	226435	C6-221-4-4	Mexico	North_America	1955-6-10	AUS	0.0004	0.0002	0.0005	0.9988	0.0001
310168	PI	231633	Murasaki Daikoku	Japan	North_Pacific	1956-3-13	TEJ	0.0010	0.9988	0.0001	0.0001	0.0001
310169	PI	231643	Desvauxii	Former Soviet Union	Eastern_Europe	1956-3-13	TEJ	0.0007	0.9990	0.0001	0.0001	0.0001
310170	PI	231645	Dunganica	Former Soviet Union	Eastern_Europe	1956-3-13	TEJ	0.0002	0.9996	0.0001	0.0000	0.0000
310171	PI	231648	Italica Alef	Former Soviet Union	Eastern_Europe	1956-3-13	TEJ	0.0004	0.9985	0.0003	0.0006	0.0002
310172	PI	233083	NABATAT ASMAR	Egypt	Mideast	1956-5-1	TRJ	0.6572	0.3424	0.0002	0.0001	0.0001
310173	PI	233663	LOMELLO	Italy	Western_Europe	1956-6-5	TEJ	0.1373	0.8625	0.0001	0.0000	0.0001
310174	PI	233880	GIZA 35	Egypt	Mideast	1956-7-6	TEJ-TRJ	0.4817	0.5083	0.0087	0.0007	0.0006
310175	PI	238497	YAMANI SEL M.A.	Argentina	South_America	1957-3-27	TEJ	0.0005	0.9994	0.0000	0.0000	0.0000
310176	PI	303681	I KUNG PAO 5-3-4	Taiwan	China	1964-12-22	IND	0.0005	0.0011	0.9979	0.0003	0.0001
310177	PI	240651	AP 439	Venezuela	South_America	1957-6-10	TRJ	0.9965	0.0032	0.0001	0.0000	0.0001
310178	PI	241372	583	Ecuador	South_America	1957-7-17	TRJ	0.9979	0.0014	0.0005	0.0001	0.0001
310179	PI	242801	Aguja	Bolivia	South_America	1957-10-10	TRJ	0.9994	0.0003	0.0001	0.0000	0.0000
310180	PI	242802	Cola de Burro	Bolivia	South_America	1957-10-10	TRJ	0.9991	0.0005	0.0001	0.0000	0.0002
310181	PI	242804	Mojito Colorado	Bolivia	South_America	1957-10-10	TRJ	0.9995	0.0003	0.0001	0.0000	0.0000
310182	PI	242805	Noventa Dias Blanco	Bolivia	South_America	1957-10-10	TRJ	0.9994	0.0004	0.0001	0.0000	0.0000
310183	PI	242806	Noventa Dias Colorado	Bolivia	South_America	1957-10-10	TRJ	0.9988	0.0005	0.0006	0.0001	0.0001
310184	PI	242807	Palo Morado	Bolivia	South_America	1957-10-10	TRJ	0.9969	0.0013	0.0010	0.0005	0.0003
310185	PI	242809	Pico de Pato	Bolivia	South_America	1957-10-10	TRJ	0.9983	0.0014	0.0001	0.0001	0.0001
310186	PI	244684	Dima	Cuba	Central_America	1957-12-20	IND	0.0094	0.0003	0.9800	0.0026	0.0077
310187	PI	245354	48	Cuba	Central_America	1958-1-31	TRJ-IND-ARO	0.5018	0.0345	0.2590	0.0262	0.1786
310188	PI	247946	Catibao Dourado	Costa Rica	Central_America	1958-5-15	TRJ	0.9994	0.0004	0.0001	0.0000	0.0001
310189	PI	247948	Dourado Agulia	Costa Rica	Central_America	1958-5-15	TRJ	0.9992	0.0003	0.0003	0.0001	0.0001
310190	PI	247949	WC 3513	Costa Rica	Central_America	1958-5-15	TRJ	0.9990	0.0005	0.0004	0.0001	0.0001
310191	PI	247956	Cuba 65	Cuba	Central_America	1958-5-15	TRJ	0.9988	0.0009	0.0001	0.0000	0.0002
310192	PI	248522	R 82	Italy	Western_Europe	1958-6-6	TEJ	0.0071	0.9925	0.0001	0.0001	0.0003
310193	PI	260661	Milketan 20	Philippines	South_Pacific	1959-9-23	TRJ-IND-TEJ	0.4476	0.1891	0.3353	0.0040	0.0239
310194	PI	263751	WC 4430	Costa Rica	Central_America	1960-3-2	TRJ-IND	0.5909	0.0056	0.3685	0.0320	0.0030
310195	PI	263808	Nickerie 19	Suriname	South_America	1960-3-7	IND-TRJ-AUS	0.3151	0.0033	0.5146	0.1666	0.0004
310196	PI	263813	81B/25	Suriname	South_America	1960-3-7	IND	0.0881	0.0136	0.7553	0.1419	0.0011
310197	PI	263816	140-4-1-2-5	Suriname	South_America	1960-3-7	TRJ-IND-AUS	0.4484	0.0007	0.3473	0.2021	0.0016
310198	PI	263832	K12 C/48	Suriname	South_America	1960-3-7	IND-ARO-TRJ	0.1319	0.0006	0.5916	0.0011	0.2747
310199	PI	263833	K12 C/53	Suriname	South_America	1960-3-7	IND	0.0005	0.0012	0.9981	0.0002	0.0001
310200	PI	264242	Chin Chin	Panama	Central_America	1960-3-18	IND	0.0003	0.0009	0.9985	0.0001	0.0001
310201	PI	264243	WC 1909	Japan	North_Pacific	1960-3-18	TRJ	0.9264	0.0712	0.0016	0.0000	0.0007
310202	PI	264750	Campesino	Venezuela	South_America	1960-3-13	TRJ	0.9989	0.0007	0.0002	0.0000	0.0001
310203	PI	265108	Italica Agostano	Poland	Eastern_Europe	1960-4-27	TEJ	0.0039	0.9956	0.0001	0.0001	0.0003
310204	PI	265110	Italica Carolina	Poland	Eastern_Europe	1960-4-27	TEJ	0.0005	0.9990	0.0001	0.0001	0.0002
310205	PI	265111	Italica M1	Poland	Eastern_Europe	1960-4-27	TEJ	0.0005	0.9992	0.0001	0.0001	0.0001
310206	PI	265113	Italica Oobie	Poland	Eastern_Europe	1960-4-27	IND	0.0004	0.0006	0.9988	0.0001	0.0001
310207	PI	265114	Erythroceros Hokkaido	Poland	Eastern_Europe	1960-4-27	TEJ	0.0044	0.9953	0.0001	0.0001	0.0002
310208	PI	265116	Zerawchanica Karataiski	Poland	Eastern_Europe	1960-4-27	TEJ	0.0007	0.9990	0.0001	0.0001	0.0001
310209	PI	266121	KUBANSKIJ 140	Russian Federation	Eastern_Europe	1960-6-8	TEJ	0.0052	0.8765	0.0004	0.0003	0.1176
310210	PI	266122	KRASNODARSKIJ 424	Russian Federation	Eastern_Europe	1960-6-8	TEJ	0.0019	0.9978	0.0002	0.0000	0.0001
310211	PI	267996	Pergonil 15	Portugal	Western_Europe	1960-9-7	TEJ	0.0030	0.9964	0.0003	0.0002	0.0001

310212	PI	269938	Girba Jowal	Pakistan	Southern_Asia	1960-11-29	TEJ-ARO-T RJ	0.1644	0.4589	0.0721	0.0426	0.2620
310213	PI	274574	Alvario	Portugal	Western_Europe	1961-5-12	TEJ	0.3257	0.6308	0.0045	0.0379	0.0012
310214	PI	274577	Campino	Portugal	Western_Europe	1961-5-12	TRJ	0.9991	0.0006	0.0001	0.0000	0.0001
310215	PI	275452	44	Guyana	South_America	1961-6-20	TEJ	0.0006	0.9993	0.0001	0.0000	0.0001
310216	PI	276154	SML 242	Suriname	South_America	1961-8-3	IND	0.0022	0.0011	0.9949	0.0015	0.0003
310217	PI	276860	Laat	Suriname	South_America	1961-9-29	IND	0.0015	0.0004	0.7615	0.2360	0.0006
310218	PI	277262	SC 70	Tanzania	Africa	1961-11-8	TRJ	0.9990	0.0007	0.0002	0.0000	0.0001
310219	PI	277414	Red Khosha Cerma	Afghanistan	Southern_Asia	1961-11-20	ARO	0.0003	0.0006	0.0004	0.0012	0.9976
310220	PI	277415	Safut Khosha	Afghanistan	Southern_Asia	1961-11-20	AUS	0.0001	0.0002	0.0003	0.9992	0.0002
310221	PI	279375	Carola	France	Western_Europe	1962-2-19	TEJ	0.1538	0.8452	0.0004	0.0004	0.0002
310222	PI	279971	BARAGGIA	Italy	Western_Europe	1962-3-28	TEJ	0.0086	0.9911	0.0001	0.0001	0.0002
310223	PI	279983	MONTICELLI	Italy	Western_Europe	1962-3-28	TEJ	0.0014	0.9984	0.0001	0.0000	0.0001
310224	PI	279991	WC 2493	Italy	Western_Europe	1962-3-28	TEJ	0.0038	0.9959	0.0001	0.0001	0.0001
310225	PI	280001	STIRPE 82 CHIAP-PELLI	Italy	Western_Europe	1962-3-28	TEJ	0.0118	0.9879	0.0001	0.0001	0.0001
310226	PI	281630	NORIN 11	Japan	North_Pacific	1962-6-12	TEJ	0.0005	0.9993	0.0001	0.0001	0.0001
310227	PI	281760	Fanny	France	Western_Europe	1962-7-5	TEJ	0.0348	0.9649	0.0001	0.0000	0.0002
310228	PI	281789	2	Chile	South_America	1962-7-6	TEJ	0.0004	0.9993	0.0001	0.0001	0.0001
310229	PI	281791	4	Chile	South_America	1962-7-6	TEJ	0.0005	0.9993	0.0001	0.0001	0.0001
310230	PI	281844	Kam Bau Ngan	Hong Kong	China	1962-7-10	IND	0.0093	0.0038	0.9840	0.0026	0.0003
310231	PI	281845	Lo Shu Ngar	Hong Kong	China	1962-7-10	IND	0.0303	0.0030	0.9660	0.0005	0.0003
310232	PI	282171	ARPA SHALI	Uzbekistan	Central_Asia	1962-7-23	TEJ	0.0015	0.9979	0.0001	0.0004	0.0002
310233	PI	282172	BULGAR TAJFA-JTA	Bulgaria	Eastern_Europe	1962-7-23	TEJ	0.0002	0.9996	0.0001	0.0000	0.0001
310234	PI	282196	PRECOCE ALLO-RIO	Hungary	Eastern_Europe	1962-7-23	TEJ	0.0152	0.9836	0.0001	0.0008	0.0002
310235	PI	282207	UZ ROSZ 5	Uzbekistan	Central_Asia	1962-7-23	TEJ	0.0242	0.9479	0.0004	0.0069	0.0206
310236	PI	282210	UZ ROSZ 269	Uzbekistan	Central_Asia	1962-7-23	TEJ	0.0004	0.9994	0.0001	0.0000	0.0001
310237	PI	282767	Jappein Tunkungo	Senegal	Africa	1962-8-28	IND	0.0012	0.0009	0.9755	0.0220	0.0005
310238	PI	282769	R 75	Senegal	Africa	1962-8-28	TRJ	0.9572	0.0010	0.0406	0.0007	0.0006
310239	PI	282771	*Iguape Cateto	Senegal	Africa	1962-8-28	TRJ	0.9311	0.0004	0.0677	0.0008	0.0001
310240	PI	282947	TAICHUNG 33	Taiwan	China	1962-9-11	TRJ-TEJ	0.5168	0.4724	0.0105	0.0001	0.0003
310241	PI	291430	UZ ROSZ M38	Uzbekistan	Central_Asia	1963-6-6	TEJ	0.1578	0.8413	0.0001	0.0000	0.0007
310242	PI	291438	Kirman	Hungary	Eastern_Europe	1963-6-6	TEJ	0.0452	0.8022	0.0001	0.0003	0.1521
310243	PI	291478	Italica Livorno	Hungary	Eastern_Europe	1963-6-6	TEJ	0.0006	0.9990	0.0001	0.0002	0.0001
310244	PI	291481	Cin Szen No. 5	Hungary	Eastern_Europe	1963-6-6	TEJ	0.0010	0.9987	0.0001	0.0001	0.0001
310245	PI	291484	Tsechan Tzun Uman	Hungary	Eastern_Europe	1963-6-6	TEJ	0.2792	0.7201	0.0001	0.0002	0.0005
310246	PI	291491	Gun Lu	Hungary	Eastern_Europe	1963-6-6	TEJ	0.0613	0.9384	0.0001	0.0001	0.0001
310247	PI	291526	Romanica	Hungary	Eastern_Europe	1963-6-6	TEJ	0.0390	0.9591	0.0005	0.0003	0.0011
310248	PI	291535	Pembe 62	Hungary	Eastern_Europe	1963-6-6	TEJ	0.0006	0.9991	0.0001	0.0001	0.0001
310249	PI	291542	P 6 Africana	Hungary	Eastern_Europe	1963-6-6	TEJ	0.0010	0.9988	0.0001	0.0000	0.0001
310250	PI	291636	MUTSU HIKARI	Japan	North_Pacific	1963-6-13	TEJ	0.0004	0.9993	0.0001	0.0001	0.0001
310251	PI	291640	FUKU SUKE	Japan	North_Pacific	1963-6-13	TEJ	0.0004	0.9980	0.0004	0.0004	0.0007
310252	PI	294370	PANBIRA	Bangladesh	Southern_Asia	1963-12-9	AUS	0.0002	0.0001	0.0017	0.9980	0.0000
310253	PI	294397	TAIPEI WOO CO	Taiwan	China	1963-12-9	IND	0.0005	0.0001	0.9992	0.0001	0.0001
310254	PI	294421	Ambar	Iraq	Mideast	1963-12-13	ARO	0.0008	0.0006	0.0002	0.0010	0.9974
310255	PI	294423	GHRAIBA	Iraq	Mideast	1963-12-13	AUS	0.0006	0.0006	0.0007	0.9979	0.0001
310256	PI	297556	Rexora	Mozambique	Africa	1964-5-8	IND	0.0015	0.0029	0.9949	0.0006	0.0001
310257	PI	297557	Til	Mozambique	Africa	1964-5-8	TRJ	0.9956	0.0038	0.0003	0.0000	0.0003
310258	PI	298958	XB-6	Australia	Oceania	1964-7-7	TRJ-TEJ	0.5036	0.4961	0.0002	0.0001	0.0001
310259	PI	303646	WC 4419	Honduras	Central_America	1965-1-11	TRJ	0.9989	0.0007	0.0002	0.0000	0.0002
310260	PI	304221	2-1-2-3-1	Australia	Oceania	1965-2-19	TEJ-TRJ	0.4211	0.5786	0.0002	0.0001	0.0001
310261	PI	304222	1-7-1-1-3	Australia	Oceania	1965-2-19	TRJ-TEJ	0.5342	0.4653	0.0002	0.0001	0.0001
310262	PI	312645	I Geo Tze	Taiwan	China	1966-3-22	IND	0.0002	0.0003	0.9992	0.0002	0.0001
310263	PI	313075	138-1-1	Chile	South_America	1966-4-7	TEJ	0.0881	0.8634	0.0412	0.0056	0.0016
310264	PI	315640	Nilo 47	El Salvador	Central_America	1966-6-29	TRJ	0.8154	0.1843	0.0002	0.0000	0.0001
310265	PI	315644	Nilo 48A	El Salvador	Central_America	1966-6-29	TRJ	0.7878	0.2119	0.0002	0.0000	0.0001
310266	PI	315649	45-5-6	El Salvador	Central_America	1966-6-29	TRJ-IND	0.4821	0.0099	0.3949	0.1128	0.0004

310267	PI	315651	45-5-17	El Salvador	Central_America	1966-6-29	TRJ-IND	0.4637	0.0076	0.4079	0.1203	0.0005
310268	PI	315652	45-5-18	El Salvador	Central_America	1966-6-29	TRJ-IND	0.4981	0.0041	0.3997	0.0976	0.0005
310269	PI	317316	JUMA 1	Dominican Republic	Central_America	1966-11-8	TEJ-TRJ	0.4682	0.5306	0.0008	0.0001	0.0002
310270	PI	317525	1300	Madagascar	Africa	1966-11-18	TEJ	0.0005	0.9994	0.0001	0.0000	0.0000
310271	PI	318642	CHUGOKU 31	Japan	North_Pacific	1967-2-14	TEJ	0.0009	0.9569	0.0001	0.0408	0.0013
310272	PI	319515	Mo. V65-S93	Mexico	North_America	1967-4-10	TRJ	0.9992	0.0005	0.0002	0.0001	0.0000
310273	PI	319699	Hassawi	Saudi Arabia	Mideast	1967-4-27	IND	0.0002	0.0006	0.9986	0.0006	0.0000
310274	PI	321142	IR 334-17-1-3-1	Philippines	South_Pacific	1967-7-12	IND	0.1760	0.0011	0.8177	0.0003	0.0049
310275	PI	321331	IR 154-123-1-1-1	Philippines	South_Pacific	1967-7-12	IND	0.1849	0.0010	0.8135	0.0004	0.0002
310276	PI	325821	Khao Khao	Thailand	Southeast_Asia	1968-2-23	IND	0.0009	0.0013	0.9973	0.0002	0.0002
310277	PI	326028	Yongkwang	Korea_South	North_Pacific	1968-3-4	TEJ	0.0003	0.9995	0.0001	0.0000	0.0001
310278	PI	326029	AMBER 33	Iraq	Mideast	1968-3-5	ARO	0.0004	0.0007	0.0002	0.0011	0.9976
310279	PI	326033	NAYIMA 45	Iraq	Mideast	1968-3-5	AUS	0.0002	0.0007	0.0005	0.9982	0.0004
310280	PI	330479	SUWON 82	Korea_South	North_Pacific	1968-5-15	TEJ	0.0005	0.9993	0.0001	0.0001	0.0001
310281	PI	330625	Triomphe du Maroc	Morocco	Mideast	1968-5-20	TEJ	0.0003	0.9995	0.0001	0.0001	0.0001
310282	PI	330641	68-2	France	Western_Europe	1968-5-24	TEJ	0.0124	0.9873	0.0000	0.0000	0.0002
310283	PI	331519	IR 151-P136-2-3	Philippines	South_Pacific	1968-7-12	IND	0.3041	0.0059	0.6897	0.0001	0.0003
310284	PI	331548	IR 293-6-2-1	Philippines	South_Pacific	1968-7-12	IND	0.1506	0.0069	0.8079	0.0338	0.0007
310285	PI	338107	IR 532-1-47	Philippines	South_Pacific	1968-11-6	IND	0.0003	0.0002	0.9988	0.0006	0.0001
310286	PI	339730	KULU	Australia	Oceania	1969-2-4	TRJ-TEJ	0.5324	0.4673	0.0001	0.0001	0.0001
310287	PI	340884	392-12-8-4	Spain	Western_Europe	1969-2-18	TEJ	0.0004	0.9995	0.0000	0.0000	0.0000
310288	PI	340888	Dosel	Spain	Western_Europe	1969-2-18	TEJ	0.0340	0.9645	0.0014	0.0001	0.0001
310289	PI	340889	DH-1	Spain	Western_Europe	1969-2-18	TEJ	0.0004	0.9994	0.0001	0.0000	0.0001
310290	PI	340894	22-5-12-11	Spain	Western_Europe	1969-2-18	TEJ	0.0005	0.9992	0.0001	0.0002	0.0001
310291	PI	340896	Peladilla	Spain	Western_Europe	1969-2-18	TEJ	0.0011	0.9987	0.0001	0.0000	0.0001
310292	PI	343835	SHUHO	Japan	North_Pacific	1969-7-16	TEJ	0.0003	0.9996	0.0000	0.0000	0.0000
310293	PI	343840	WOMBAT	Australia	Oceania	1969-7-16	TEJ	0.0943	0.9051	0.0004	0.0001	0.0001
310294	PI	345805	IR 583-14-3-3-1	Philippines	South_Pacific	1969-8-13	IND	0.0003	0.3228	0.6767	0.0002	0.0001
310295	PI	346409	ALLORIO LAMBDA	France	Western_Europe	1969-11-6	TEJ	0.1195	0.8802	0.0001	0.0000	0.0001
310296	PI	346442	50770	Guyana	South_America	1969-11-25	IND	0.0002	0.0002	0.9991	0.0005	0.0001
310297	PI	346446	50778	Guyana	South_America	1969-11-25	TRJ	0.8427	0.0005	0.1504	0.0039	0.0026
310298	PI	346448	51779	Guyana	South_America	1969-11-25	IND	0.0037	0.0003	0.9909	0.0013	0.0039
310299	PI	346818	ALDEBARAN AG 1	Argentina	South_America	1969-12-10	TEJ-TRJ	0.4590	0.5406	0.0002	0.0000	0.0001
310300	PI	346819	BLUE ROSE SEL M.A.	Argentina	South_America	1969-12-10	IND	0.2667	0.1277	0.6054	0.0002	0.0000
310301	PI	346827	H57-3-1	Argentina	South_America	1969-12-10	TEJ	0.3945	0.6048	0.0006	0.0001	0.0001
310302	PI	346831	H62-3-1	Argentina	South_America	1969-12-10	TRJ-IND-TEJ	0.3942	0.2814	0.3242	0.0001	0.0002
310303	PI	346845	H71-11-1	Argentina	South_America	1969-12-10	TEJ	0.3885	0.6111	0.0002	0.0001	0.0001
310304	PI	346847	H73-8-1	Argentina	South_America	1969-12-10	TRJ	0.6706	0.3291	0.0002	0.0001	0.0001
310305	PI	346849	H74-2-1	Argentina	South_America	1969-12-10	TEJ	0.0351	0.9648	0.0001	0.0000	0.0001
310306	PI	346927	VILKID ZIRE	Azerbaijan	Central_Asia	1969-12-24	TEJ	0.0004	0.9994	0.0001	0.0000	0.0001
310307	PI	348779	IR 510-15-1-1-2-1	Philippines	South_Pacific	1970-3-6	IND-TRJ-TEJ	0.3180	0.2987	0.3830	0.0002	0.0001
310308	PI	348905	UZ ROS 269	Uzbekistan	Central_Asia	1918-3-5	TEJ	0.0006	0.9992	0.0001	0.0000	0.0001
310309	PI	348908	AZ ROS 637	Azerbaijan	Central_Asia	1918-3-5	TEJ	0.0006	0.9087	0.0022	0.0464	0.0420
310310	PI	348909	SADRI MA-SALINSKIJ	Azerbaijan	Central_Asia	1918-3-5	ARO	0.0009	0.2740	0.0003	0.0002	0.7246
310311	PI	350295	Biser 1	Bulgaria	Eastern_Europe	1970-5-28	TEJ	0.0004	0.9994	0.0001	0.0001	0.0001
310312	PI	350296	Carina	Bulgaria	Eastern_Europe	1970-5-28	TEJ	0.0005	0.9993	0.0001	0.0001	0.0001
310313	PI	350297	Iskra	Bulgaria	Eastern_Europe	1970-5-28	TEJ	0.0003	0.9995	0.0001	0.0000	0.0001
310314	PI	350300	Plovdiv	Bulgaria	Eastern_Europe	1970-5-28	TEJ	0.0007	0.9991	0.0001	0.0000	0.0001
310315	PI	350301	Slava	Bulgaria	Eastern_Europe	1970-5-28	TEJ	0.0415	0.9583	0.0001	0.0000	0.0001
310316	PI	373450	ARC 10299	India	Southern_Asia	1972-3-27	AUS	0.0004	0.0002	0.1122	0.8872	0.0001
310317	PI	353723	IARI 6626	India	Southern_Asia	1970-5-4	AUS	0.0003	0.0002	0.1497	0.8434	0.0064
310318	PI	353746	IARI 7449	India	Southern_Asia	1970-5-4	AUS	0.0003	0.0002	0.0813	0.9179	0.0003
310319	PI	357051	BCS-55	India	Southern_Asia	1971-1-12	IND	0.0002	0.0002	0.6719	0.0111	0.3167
310320	PI	366134	CENTURY PATNA 231	United States	North_America	1971-8-30	TRJ	0.9968	0.0029	0.0001	0.0000	0.0002

310322	PI	369811	Pinde Gogo Wierie	Suriname	South_America	1972-2-1	TRJ	0.9907	0.0012	0.0053	0.0018	0.0011
310323	PI	372046	P881-12-4-B	Colombia	South_America	1972-4-11	IND	0.0071	0.0259	0.9655	0.0011	0.0004
310324	PI	372054	P855-B-3-B	Colombia	South_America	1972-4-11	IND	0.1404	0.0008	0.8581	0.0001	0.0006
310325	PI	372921	2-43-3	Iran	Mideast	1972-5-21	ARO	0.0004	0.0022	0.0002	0.0002	0.9971
310326	PI	373102	IR 1103-15-8-5-3-3-3	Philippines	South_Pacific	1972-3-27	IND	0.0101	0.0895	0.9002	0.0002	0.0001
310327	PI	373136	52/16-0-2	Papua New Guinea	Oceania	1972-3-27	TRJ	0.9791	0.0028	0.0026	0.0151	0.0003
310328	PI	373139	E-425	Senegal	Africa	1972-3-27	TRJ	0.9920	0.0008	0.0006	0.0022	0.0044
310329	PI	373141	GPNO 15007	Senegal	Africa	1972-3-27	TRJ	0.6583	0.3413	0.0001	0.0001	0.0001
310330	PI	373166	Qiparat	Philippines	South_Pacific	1972-3-27	TRJ	0.9550	0.0173	0.0005	0.0146	0.0126
310331	PI	373194	Agbede	Nigeria	Africa	1972-3-27	TRJ	0.9950	0.0045	0.0003	0.0001	0.0002
310332	PI	373203	Tchibanga	Gabon	Africa	1972-3-27	IND	0.0002	0.0001	0.9996	0.0001	0.0000
310333	PI	373204	Bungara	Rwanda	Africa	1972-3-27	TRJ	0.9972	0.0024	0.0002	0.0000	0.0002
310334	PI	373205	TONO BREA ENANO 5	Dominican Republic	Central_America	1972-3-27	IND	0.0362	0.0008	0.9616	0.0007	0.0008
310335	PI	373206	Sika	Cameroon	Africa	1972-3-27	TRJ	0.9923	0.0003	0.0053	0.0018	0.0003
310336	PI	373222	Chao Puak Deng	Laos	Southeast_Asia	1972-3-27	IND	0.0003	0.0004	0.9989	0.0003	0.0002
310337	PI	373232	Khao Phoi	Laos	Southeast_Asia	1972-3-27	TRJ-TEJ-ARO	0.4374	0.3301	0.0066	0.0008	0.2251
310338	PI	373249	Khao Luang	Laos	Southeast_Asia	1972-3-27	TRJ-TEJ-ARO	0.4451	0.2902	0.0593	0.0005	0.2048
310339	PI	373282	Kh. Mack Ko	Laos	Southeast_Asia	1972-3-27	TRJ-TEJ-ARO	0.4725	0.2986	0.0205	0.0006	0.2077
310340	PI	373289	Chao Hay b	Laos	Southeast_Asia	1972-3-27	IND	0.0001	0.0001	0.9997	0.0001	0.0000
310341	PI	373313	Khao Hao	Laos	Southeast_Asia	1972-3-27	IND	0.0010	0.0014	0.8388	0.1586	0.0002
310342	PI	439117	NIQUEN	Chile	South_America	1980-1-1	TEJ	0.0355	0.9639	0.0005	0.0001	0.0000
310343	PI	373703	Deng Mak Tek	Laos	Southeast_Asia	1972-3-27	IND-TRJ	0.4380	0.0547	0.5015	0.0035	0.0023
310344	PI	373746	Chao Khao	Laos	Southeast_Asia	1972-3-27	AUS	0.0005	0.0002	0.0745	0.9245	0.0003
310345	PI	373761	J.P. 5	Australia	Oceania	1972-3-27	TEJ	0.0005	0.9993	0.0001	0.0000	0.0001
310346	PI	373764	Bakukut	Malaysia	South_Pacific	1972-3-27	TRJ	0.9906	0.0085	0.0003	0.0003	0.0003
310347	PI	373768	Kandioya	Malaysia	South_Pacific	1972-3-27	TRJ	0.9961	0.0036	0.0001	0.0001	0.0002
310348	PI	373771	C 8429	Papua New Guinea	Oceania	1972-3-27	TRJ	0.9121	0.0868	0.0003	0.0003	0.0004
310349	PI	373772	C 8432	Papua New Guinea	Oceania	1972-3-27	TRJ	0.9925	0.0064	0.0007	0.0003	0.0002
310350	PI	373774	C 8435	Papua New Guinea	Oceania	1972-3-27	IND	0.0000	0.0000	0.9998	0.0001	0.0000
310351	PI	373795	Warrangal Culture 1252	India	Southern_Asia	1972-3-27	IND	0.0002	0.0005	0.9463	0.0528	0.0002
310352	PI	373799	Padi Bangka	Malaysia	South_Pacific	1972-3-27	TRJ	0.9900	0.0089	0.0003	0.0003	0.0004
310353	PI	373801	Goh Chi Sai	Malaysia	South_Pacific	1972-3-27	AUS	0.0044	0.0043	0.3616	0.6294	0.0002
310354	PI	373816	Padi Pohon Batu	Malaysia	South_Pacific	1972-3-27	TRJ	0.8855	0.1123	0.0004	0.0010	0.0008
310355	PI	373819	Padi Thinop	Malaysia	South_Pacific	1972-3-27	TRJ	0.8248	0.0841	0.0010	0.0022	0.0879
310356	PI	373832	Padi Amur	Malaysia	South_Pacific	1972-3-27	TRJ	0.7424	0.2495	0.0010	0.0003	0.0069
310357	PI	373900	Besudi Long-Grain	Afghanistan	Southern_Asia	1972-3-27	ARO	0.0003	0.0002	0.0002	0.0005	0.9987
310358	PI	373940	Lawangeen	Afghanistan	Southern_Asia	1972-7-3	ARO	0.0005	0.0010	0.0003	0.0003	0.9980
310359	PI	373941	Maien Garm	Afghanistan	Southern_Asia	1972-7-3	ARO	0.0006	0.0825	0.0002	0.0003	0.9164
310360	PI	374810	KAKAI 203	Hungary	Eastern_Europe	1972-8-16	IND-TEJ	0.0019	0.4532	0.5440	0.0007	0.0002
310361	PI	374813	SDS-7	Hungary	Eastern_Europe	1972-8-16	TEJ	0.0173	0.9821	0.0001	0.0001	0.0003
310362	PI	376527	IR 1614-168-2-2	Philippines	South_Pacific	1972-7-13	IND	0.0004	0.0005	0.9988	0.0002	0.0001
310363	PI	377570	P773-44-3-1	Colombia	South_America	1972-12-11	IND	0.0002	0.0002	0.9994	0.0001	0.0001
310364	PI	377620	Purple Puttu	India	Southern_Asia	1972-12-12	AUS	0.0002	0.0006	0.0020	0.9969	0.0002
310365	PI	377750	Nauta	Peru	South_America	1973-1-18	TRJ	0.9990	0.0006	0.0003	0.0000	0.0000
310366	PI	378096	P726-287-2-1	Colombia	South_America	1973-2-22	IND	0.0004	0.0003	0.9991	0.0001	0.0001
310367	PI	378102	P 738-97-3-1	Colombia	South_America	1973-2-22	IND	0.0002	0.0004	0.9990	0.0003	0.0001
310368	PI	378108	P 761-40-2-1	Colombia	South_America	1973-2-22	IND	0.0004	0.0004	0.9991	0.0001	0.0000
310369	PI	385322	Usen	Kenya	Africa	1974-2-5	IND	0.0006	0.0001	0.9992	0.0001	0.0001
310370	PI	439626	Sundensis	Kazakhstan	Central_Asia	1980-2-1	IND	0.0092	0.0090	0.9815	0.0003	0.0001
310371	PI	385326	*JAYA	India	Southern_Asia	1974-2-5	IND	0.0000	0.0000	0.9998	0.0001	0.0000
310372	PI	385345	RD-1	Thailand	Southeast_Asia	1974-2-5	IND	0.0002	0.0002	0.9994	0.0001	0.0001
310373	PI	385417	*Basmati Sufaid	Pakistan	Southern_Asia	1974-2-20	ARO	0.0003	0.0004	0.0008	0.0107	0.9878
310374	PI	385447	Chak 48	Pakistan	Southern_Asia	1974-2-20	ARO	0.0003	0.0003	0.0001	0.0002	0.9991

310375	PI	385489	B35	Pakistan	Southern_Asia	1974-2-20	AUS	0.0001	0.0002	0.0005	0.9990	0.0002
310376	PI	385537	Dhan Sufaid	Pakistan	Southern_Asia	1974-2-20	AUS	0.0004	0.0002	0.0009	0.9981	0.0005
310377	PI	385588	Jhona	Pakistan	Southern_Asia	1974-2-20	AUS	0.0002	0.0002	0.0015	0.9980	0.0002
310378	PI	385609	P 293	Pakistan	Southern_Asia	1974-2-20	AUS	0.0002	0.0001	0.0003	0.9993	0.0002
310379	PI	385643	Dhan Baggi	Pakistan	Southern_Asia	1974-2-20	AUS	0.0002	0.0002	0.0003	0.9991	0.0002
310380	PI	385722	P 79	India	Southern_Asia	1974-2-20	AUS	0.0002	0.0002	0.0003	0.9993	0.0001
310381	PI	385826	NC 1/536	Pakistan	Southern_Asia	1974-2-20	AUS	0.0001	0.0001	0.0002	0.9995	0.0001
310382	PI	385830	Ratua Red Nehri	Pakistan	Southern_Asia	1974-2-20	AUS	0.0002	0.0001	0.0002	0.9993	0.0001
310383	PI	385837	Ratua	Pakistan	Southern_Asia	1974-2-20	AUS	0.0001	0.0002	0.0013	0.9982	0.0001
310384	PI	385881	Saunfi Sarian	Pakistan	Southern_Asia	1974-2-20	AUS	0.0001	0.0002	0.0002	0.9993	0.0002
310385	PI	388243	Ponta Rubra	Portugal	Western_Europe	1974-3-5	TEJ	0.0009	0.9989	0.0001	0.0001	0.0001
310386	PI	388257	Chagas 4	Brazil	South_America	1974-3-5	TEJ	0.2289	0.7707	0.0002	0.0001	0.0001
310387	PI	388279	Ban To	Japan	North_Pacific	1974-3-5	TEJ	0.0023	0.9975	0.0001	0.0000	0.0001
310388	PI	388298	Polman	India	Southern_Asia	1974-3-5	AUS	0.0001	0.0001	0.0003	0.9994	0.0001
310389	PI	388304	Won Son Zo No. 11	Korea	North_Pacific	1974-3-5	IND	0.0002	0.0003	0.9994	0.0001	0.0000
310390	PI	388346	GPNO 19314	Brazil	South_America	1974-3-5	AUS	0.0003	0.0001	0.0002	0.9992	0.0002
310391	PI	388355	Assaw	China	China	1974-3-5	TEJ	0.3353	0.6642	0.0004	0.0001	0.0001
310392	PI	388389	Choeii-ine	Japan	North_Pacific	1974-3-5	TEJ	0.3525	0.6375	0.0009	0.0053	0.0038
310393	PI	388391	Chokei Wase	Japan	North_Pacific	1974-3-5	TEJ-TRJ	0.4390	0.5558	0.0022	0.0013	0.0018
310394	PI	388392	Chu Cheng	Korea	North_Pacific	1974-3-5	IND	0.0003	0.0001	0.9995	0.0001	0.0001
310395	PI	388423	GPNO 16379	Micronesia	Oceania	1974-3-5	IND	0.0002	0.0001	0.9996	0.0001	0.0001
310396	PI	388426	Chacareiro	Argentina	South_America	1974-3-5	IND	0.0348	0.2047	0.7600	0.0004	0.0001
310397	PI	388427	Chacareiro Uruguay	Uruguay	South_America	1974-3-5	TEJ	0.0032	0.9954	0.0004	0.0002	0.0007
310398	PI	388433	Du Zung Zione No. 119	Korea	North_Pacific	1974-3-5	TEJ	0.0022	0.9971	0.0002	0.0001	0.0004
310399	PI	388436	Doble Carolina	Uruguay	South_America	1974-3-5	AUS	0.0002	0.0002	0.0003	0.9991	0.0002
310400	PI	388458	Gun Do No. 82	Korea_South	North_Pacific	1974-3-5	TEJ-TRJ	0.4798	0.5112	0.0025	0.0020	0.0045
310401	PI	388466	HIRAYAMA	Japan	North_Pacific	1974-3-5	TEJ	0.0151	0.9683	0.0001	0.0001	0.0164
310402	PI	388467	Huk Pi	Korea	North_Pacific	1974-3-5	TEJ-TRJ	0.3726	0.5544	0.0689	0.0009	0.0032
310403	PI	388489	Kanou	Brazil	South_America	1974-3-5	IND	0.0008	0.0003	0.9984	0.0003	0.0002
310404	PI	388492	Ken Yen	China	China	1974-3-5	IND	0.0003	0.0004	0.9990	0.0001	0.0001
310405	PI	388507	Miga	Brazil	South_America	1974-3-5	TRJ	0.8186	0.1812	0.0001	0.0000	0.0001
310406	PI	388528	No Iku No. 1774	Taiwan	China	1974-3-5	TEJ	0.0151	0.9841	0.0004	0.0004	0.0001
310407	PI	388540	No. Ordem Lista 81	Brazil	South_America	1974-3-5	TRJ	0.6591	0.3406	0.0001	0.0001	0.0001
310408	PI	388542	No. Ordem Lista 85	Brazil	South_America	1974-3-5	TEJ-TRJ	0.4606	0.5388	0.0004	0.0001	0.0001
310409	PI	388550	Oh Bada No. 133	Brazil	South_America	1974-3-5	TRJ	0.8467	0.1117	0.0370	0.0043	0.0003
310410	PI	388593	UZ ROSZ 2831	Uzbekistan	Central_Asia	1974-3-5	TEJ-TRJ	0.4289	0.5709	0.0001	0.0000	0.0001
310411	PI	388606	IGUAPE AGULHA	Brazil	South_America	1974-3-5	TRJ	0.9966	0.0029	0.0002	0.0002	0.0002
310412	PI	389010	Kung Shun	Taiwan	China	1974-9-1	TRJ	0.9984	0.0010	0.0002	0.0001	0.0003
310413	PI	389019	CHIANUNG 242	Taiwan	China	1974-9-1	IND	0.0005	0.0002	0.9992	0.0001	0.0001
310414	PI	389036	Ai Chueh Li	Taiwan	China	1974-9-1	IND	0.0074	0.0122	0.9790	0.0008	0.0005
310415	PI	389037	Ai Chueh Ta Pai Ku	Taiwan	China	1974-9-1	IND	0.0101	0.0004	0.9889	0.0002	0.0004
310416	PI	389164	CHIEM CHANH	Vietnam	Southeast_Asia	1974-9-1	IND	0.0773	0.0079	0.8681	0.0011	0.0456
310417	PI	389165	BAU 157	Vietnam	Southeast_Asia	1974-9-1	IND	0.0355	0.0008	0.9619	0.0005	0.0013
310418	PI	389177	Nep Vai	Vietnam	Southeast_Asia	1974-9-1	IND	0.0126	0.0003	0.9849	0.0005	0.0016
310419	PI	389200	CAU PHU XUYEN 264	Vietnam	Southeast_Asia	1974-9-1	IND	0.0075	0.0003	0.9496	0.0183	0.0242
310420	PI	389234	Thang 10	Vietnam	Southeast_Asia	1974-9-1	IND	0.0189	0.0007	0.9251	0.0102	0.0451
310421	PI	389266	Giau Dumont	Vietnam	Southeast_Asia	1974-9-1	IND	0.0067	0.0006	0.9214	0.0127	0.0586
310422	PI	389336	Ukoku	China	China	1974-9-1	IND	0.0020	0.0032	0.9926	0.0007	0.0015
310423	PI	389467	Hung Fan Goo	China	China	1974-9-1	IND	0.0002	0.0001	0.9994	0.0001	0.0001
310424	PI	389548	833-5691-11	China	China	1974-9-1	IND	0.0005	0.0007	0.9982	0.0004	0.0002
310425	PI	389637	Bir Co Tsan	China	China	1974-9-1	IND	0.0002	0.0005	0.9989	0.0003	0.0001
310426	PI	389707	Hung Co Man	China	China	1974-9-1	IND	0.0002	0.0006	0.9988	0.0003	0.0001
310427	PI	389812	Fa Yu Tao	China	China	1974-9-1	IND	0.0003	0.0005	0.9990	0.0001	0.0001
310428	PI	389876	Sipirasikkam	Indonesia	South_Pacific	1974-9-1	TRJ	0.9525	0.0360	0.0007	0.0073	0.0035
310429	PI	389921	Choku Chai	Hong Kong	China	1974-9-1	IND	0.0523	0.0003	0.9462	0.0010	0.0003
310430	PI	389925	Chun Chu Cho	Hong Kong	China	1974-9-1	IND	0.0005	0.0008	0.9965	0.0017	0.0006

310431	PI	389926	Glutinous	Hong Kong	China	1974-9-1	TRJ	0.9485	0.0509	0.0002	0.0001	0.0003
310432	PI	389931	Phnat Tuk	Cambodia	Southeast_Asia	1974-9-1	TEJ	0.0023	0.9974	0.0001	0.0001	0.0001
310433	PI	389932	Rit Ankrong	Cambodia	Southeast_Asia	1974-9-1	IND	0.0044	0.0007	0.9213	0.0005	0.0730
310434	PI	389935	Chantas Phlouk B. Phlg	Cambodia	Southeast_Asia	1974-9-1	IND-TEJ	0.0010	0.3093	0.5093	0.1791	0.0013
310435	PI	389945	Angkrang	Cambodia	Southeast_Asia	1974-9-1	IND-TEJ	0.0022	0.3908	0.4952	0.1114	0.0004
310436	PI	389989	Zayas Bazan	Cuba	Central_America	1974-9-1	IND	0.0003	0.0004	0.9989	0.0004	0.0000
310437	PI	391181	Che Shau Nan Bir	China	China	1974-11-20	TRJ	0.9993	0.0004	0.0001	0.0000	0.0001
310438	PI	391199	3287	Taiwan	China	1974-11-20	IND	0.0005	0.0003	0.9990	0.0001	0.0001
310439	PI	391216	3997	Haiti	Central_America	1974-11-20	TRJ-IND-AUS	0.3983	0.0006	0.3600	0.2409	0.0002
310440	PI	391218	TJ	Guyana	South_America	1974-11-20	IND	0.0018	0.0010	0.9964	0.0007	0.0001
310441	PI	391260	Ambalalava 1283	Madagascar	Africa	1974-11-20	IND	0.0008	0.0006	0.9982	0.0003	0.0001
310442	PI	391264	PD 46	Sri Lanka	Southern_Asia	1974-11-20	IND	0.0013	0.0002	0.9981	0.0003	0.0001
310443	PI	391272	OKSHITMAYIN	Myanmar	Southeast_Asia	1974-11-20	TRJ-TEJ	0.5025	0.3721	0.0345	0.0902	0.0007
310444	PI	391326	Chibica	Mozambique	Africa	1974-11-20	TEJ	0.1418	0.8579	0.0001	0.0000	0.0002
310445	PI	391375	59	Philippines	South_Pacific	1974-11-20	TRJ-TEJ	0.5477	0.4519	0.0002	0.0000	0.0001
310446	PI	391691	Acheh	Malaysia	South_Pacific	1974-11-27	IND	0.0014	0.0032	0.9948	0.0004	0.0001
310447	PI	391756	Sukananadi B	Indonesia	Oceania	1974-11-27	TEJ	0.0003	0.9995	0.0001	0.0000	0.0000
310448	PI	391827	Lantjang	Indonesia	Oceania	1974-11-27	IND	0.0003	0.0002	0.9992	0.0003	0.0000
310449	PI	391859	Gambiaka Sebela	Mali	Africa	1974-11-27	TEJ	0.0003	0.9996	0.0001	0.0000	0.0000
310450	PI	391861	Kihogo	Tanzania	Africa	1974-11-27	TEJ	0.0003	0.9996	0.0001	0.0000	0.0000
310451	PI	391891	Tjina	Indonesia	Oceania	1974-11-27	IND	0.0001	0.0003	0.9994	0.0001	0.0001
310452	PI	391943	Sabharaj	Bangladesh	Southern_Asia	1974-11-27	IND	0.0018	0.0214	0.9761	0.0006	0.0002
310453	PI	392085	CHONTALPA 16	Mexico	North_America	1974-12-31	TRJ-IND	0.5148	0.0682	0.4148	0.0022	0.0001
310454	PI	392089	JUMA 18	Dominican Republic	Central_America	1974-12-31	IND	0.0003	0.0006	0.9987	0.0001	0.0003
310455	PI	392247	Bahia	Spain	Western_Europe	1974-12-24	TEJ	0.0003	0.9996	0.0001	0.0000	0.0000
310456	PI	392534	GPNO 27792	Peru	South_America	1975-2-3	TEJ-TRJ	0.4831	0.5054	0.0104	0.0007	0.0004
310457	PI	392540	Unhlatuizi Valley Sugar	South Africa	Africa	1975-2-3	TRJ	0.6885	0.0449	0.0011	0.2586	0.0069
310458	PI	392543	Nang Mon	Thailand	Southeast_Asia	1975-2-3	TEJ	0.0017	0.9979	0.0003	0.0000	0.0001
310459	PI	392559	TONG SANGKER	Cambodia	Southeast_Asia	1975-2-3	TRJ	0.9990	0.0007	0.0001	0.0001	0.0001
310460	PI	392565	NEW GUINEA	Fiji	Oceania	1975-2-3	TEJ	0.0003	0.9996	0.0001	0.0000	0.0000
310461	PI	392576	NGAKYAUK	Myanmar	Southeast_Asia	1975-2-3	TEJ	0.0004	0.9994	0.0001	0.0000	0.0001
310462	PI	392579	NEANG MEAS	Cambodia	Southeast_Asia	1975-2-3	ARO	0.0006	0.0008	0.0002	0.0009	0.9975
310463	PI	392582	BAWKU WHITE	Ghana	Africa	1975-2-3	AUS	0.0004	0.0002	0.0003	0.9990	0.0002
310464	PI	392597	DISSI N 14	Mali	Africa	1975-2-3	AUS-IND	0.0010	0.0006	0.4084	0.5897	0.0003
310465	PI	392626	FA YIU TSAI	Hong Kong	China	1975-2-3	AUS	0.0001	0.0001	0.0006	0.9991	0.0001
310466	PI	392647	G Bonota	Liberia	Africa	1975-2-3	AUS	0.0002	0.0002	0.0003	0.9992	0.0001
310467	PI	392656	Kahago ex Mwabagale 1/146	Tanzania	Africa	1975-2-3	TEJ	0.0007	0.9991	0.0001	0.0000	0.0001
310468	PI	392688	Jambaram Vermelho	Guinea-Bissau	Africa	1975-2-3	AUS	0.0003	0.0001	0.0003	0.9991	0.0001
310469	PI	392690	Iaca	Guinea-Bissau	Africa	1975-2-3	AUS	0.0003	0.0002	0.0007	0.9986	0.0002
310470	PI	392691	Iaca Escuro	Guinea	Africa	1975-2-3	AUS	0.0004	0.0002	0.0006	0.9985	0.0003
310471	PI	392694	PATNAI 6	Myanmar	Southeast_Asia	1975-2-3	AUS	0.0005	0.0002	0.0008	0.9983	0.0002
310472	PI	392702	Gazi	Fiji	Oceania	1975-2-3	IND	0.0004	0.0002	0.7255	0.2736	0.0003
310473	PI	392757	Nang Rum Trang	Vietnam	Southeast_Asia	1975-2-3	TEJ	0.0004	0.9994	0.0001	0.0000	0.0001
310474	PI	392773	Lua Trang	Vietnam	Southeast_Asia	1975-2-3	TEJ	0.0009	0.9988	0.0001	0.0000	0.0001
310475	PI	392813	K8C-263-3	Suriname	South_America	1975-2-3	IND	0.0658	0.0005	0.9134	0.0185	0.0018
310476	PI	392880	TAITUNG 328	Taiwan	China	1975-2-3	TEJ-TRJ	0.4301	0.5634	0.0014	0.0007	0.0045
310477	PI	392914	BIRIBRA	Ghana	Africa	1975-2-3	IND	0.0004	0.0011	0.8555	0.1426	0.0004
310478	PI	393036	EMATA A 16-34	Myanmar	Southeast_Asia	1975-2-3	IND	0.0003	0.0002	0.9970	0.0020	0.0005
310479	PI	281788	1	Chile	South_America	1962-7-6	TEJ	0.0003	0.9993	0.0001	0.0001	0.0001
310480	PI	393180	Djimoron	Guinea	Africa	1975-2-3	IND	0.0006	0.0006	0.8223	0.1747	0.0018
310481	PI	393292	Anandi	India	Southern_Asia	1975-2-3	IND	0.0003	0.0009	0.9985	0.0002	0.0001
310482	PI	400081	Elliott	Liberia	Africa	1975-5-7	TRJ	0.9987	0.0010	0.0002	0.0001	0.0001
310483	PI	400090	OS 4	Nigeria	Africa	1975-5-7	ARO-TRJ	0.3984	0.0005	0.0005	0.0007	0.5999
310484	PI	400095	RT 1095-S26	Senegal	Africa	1975-5-7	TRJ	0.9987	0.0011	0.0001	0.0001	0.0000
310485	PI	400116	Perum Karuppan	Sri Lanka	Southern_Asia	1975-5-7	IND	0.0046	0.0075	0.9869	0.0009	0.0001

310486	PI	400157	PULUT NANGKA 016	Indonesia	South_Pacific	1975-4-23	IND	0.0007	0.0005	0.9983	0.0004	0.0001
310487	PI	400322	SIGADIS	Indonesia	South_Pacific	1975-6-3	IND	0.0004	0.0006	0.9984	0.0004	0.0002
310488	PI	400345	U.V.S. Unblatuzi	South Africa	Africa	1975-6-3	IND	0.0003	0.0008	0.9985	0.0004	0.0001
310489	PI	400398	Chun 118-33	China	China	1975-6-3	IND	0.0002	0.0001	0.9995	0.0001	0.0001
310490	PI	400424	Si Jih Goo	China	China	1975-6-3	IND	0.0002	0.0001	0.9994	0.0003	0.0000
310491	PI	400575	Mendi	Ghana	Africa	1975-6-3	IND	0.0012	0.0004	0.9980	0.0004	0.0001
310492	PI	400662	Janeri	Nepal	Southern_Asia	1975-6-3	IND	0.0046	0.0015	0.9929	0.0008	0.0002
310493	PI	400670	WW 3/200	Netherlands	Western_Europe	1975-6-3	IND-TRJ	0.3673	0.0235	0.5800	0.0287	0.0004
310494	PI	400672	WW 8/2290	Netherlands	Western_Europe	1975-6-3	TRJ-IND-AUS	0.4892	0.0035	0.3463	0.1574	0.0036
310495	PI	400714	Subdesvauxii Vase Kathmandu Valley No. 1 Selection	Portugal	Western_Europe	1975-6-3	TEJ	0.2644	0.7352	0.0003	0.0001	0.0001
310496	PI	400718		Nepal	Southern_Asia	1975-6-3	IND	0.0007	0.0007	0.9981	0.0003	0.0001
310497	PI	400725	Dourado	El Salvador	Central_America	1975-6-3	TRJ	0.9987	0.0010	0.0002	0.0000	0.0001
310498	PI	400728	H 17 Tardio	Argentina	South_America	1975-6-3	TEJ	0.1419	0.8579	0.0001	0.0000	0.0001
310499	PI	400732	H-29-31	Argentina	South_America	1975-6-3	IND	0.0011	0.0005	0.9982	0.0001	0.0001
310500	PI	400772	VARY LAVA 9	Madagascar	Africa	1975-6-3	TRJ	0.7697	0.0011	0.0839	0.1452	0.0001
310501	PI	400778	Precoz Verde 1061	Madagascar	Africa	1975-6-3	IND-TEJ	0.0004	0.4846	0.5135	0.0012	0.0003
310502	PI	400779	Pirititovo 1417	Madagascar	Africa	1975-6-3	TRJ-IND	0.5494	0.0013	0.3661	0.0828	0.0004
310503	PI	400780	Manga Kely 694	Madagascar	Africa	1975-6-3	IND-AUS	0.0340	0.0121	0.5990	0.3548	0.0002
310504	PI	400782	Bengaly Morino 120	Madagascar	Africa	1975-6-3	IND	0.0071	0.0008	0.6054	0.3865	0.0002
310505	PI	401431	CHING YUEH 1	China	China	1975-6-10	TEJ	0.0007	0.9989	0.0002	0.0000	0.0001
310506	PI	402519	ARLESIENNE	France	Western_Europe	1975-6-19	TEJ	0.2091	0.7902	0.0004	0.0000	0.0002
310507	PI	402636	LEUANG HAWN	Thailand	Southeast_Asia	1975-8-4	TEJ	0.0005	0.9992	0.0001	0.0001	0.0001
310508	PI	402638	923	Madagascar	Africa	1975-8-4	TRJ-IND-AUS	0.4921	0.0012	0.3851	0.1213	0.0003
310509	PI	402758	Bantia	Liberia	Africa	1975-8-4	TRJ	0.9987	0.0009	0.0002	0.0001	0.0001
310510	PI	402789	BLUE STICK	Fiji	Oceania	1975-8-4	TEJ	0.0104	0.9875	0.0019	0.0001	0.0001
310511	PI	402795	BOM DIA	Guinea-Bissau	Africa	1975-8-4	AUS	0.0003	0.0002	0.0012	0.9982	0.0001
310512	PI	402858	CA 497/V/7	Chad	Africa	1975-8-4	TRJ	0.9966	0.0032	0.0001	0.0001	0.0001
310513	PI	403091	DJ 53	Bangladesh	Southern_Asia	1975-8-4	AUS	0.0001	0.0002	0.0004	0.9992	0.0001
310514	PI	403161	DM 56	Bangladesh	Southern_Asia	1975-8-4	AUS	0.0001	0.0001	0.0003	0.9993	0.0001
310515	PI	403289	Nam Dawk Mai	Thailand	Southeast_Asia	1975-8-4	IND	0.0015	0.0007	0.9964	0.0006	0.0008
310516	PI	403375	EKARIN YAHINE	Myanmar	Southeast_Asia	1975-8-4	TEJ	0.0003	0.9995	0.0001	0.0000	0.0000
310517	PI	403383	FA LOH PAK	Hong Kong	China	1975-8-4	IND	0.0002	0.0001	0.9995	0.0001	0.0000
310518	PI	403401	Gaza	Mozambique	Africa	1975-8-4	IND	0.0010	0.0006	0.7097	0.2882	0.0005
310519	PI	403422	GUYANE 1	Chad	Africa	1975-8-4	IND	0.0003	0.0816	0.7512	0.1667	0.0002
310520	PI	403427	Gonabar	Nigeria	Africa	1975-8-4	IND	0.0318	0.0020	0.9110	0.0033	0.0520
310521	PI	403471	HON CHIM	Hong Kong	China	1975-8-4	IND	0.0049	0.0007	0.8722	0.0047	0.1175
310522	PI	403483	Risotto	Hungary	Eastern_Europe	1975-8-4	TEJ	0.0169	0.9828	0.0001	0.0000	0.0002
310523	PI	403499	Hokjo 97	Korea_South	North_Pacific	1975-8-4	TEJ	0.0143	0.9744	0.0001	0.0001	0.0111
310524	PI	403534	Zaneli	Nepal	Southern_Asia	1975-8-4	TRJ-TEJ	0.5181	0.4759	0.0049	0.0006	0.0005
310525	PI	403565	India Pa Lil 92	Sierra Leone	Africa	1975-8-4	IND	0.0013	0.0007	0.6781	0.3197	0.0003
310526	PI	403597	Jhona 5716	Pakistan	Southern_Asia	1975-8-4	IND	0.1518	0.0025	0.8448	0.0003	0.0006
310527	PI	403615	JST 58	Morocco	Mideast	1975-8-4	TEJ-AUS-IND	0.0899	0.4086	0.1917	0.3094	0.0004
310528	PI	403621	J 312	United States	North_America	1975-8-4	IND	0.0002	0.0003	0.9994	0.0001	0.0000
310529	PI	403635	Kan Tien Ju	China	China	1975-8-4	IND	0.0007	0.0008	0.9981	0.0003	0.0001
310530	PI	403641	KARATOLSZKIJ	Kazakhstan	Central_Asia	1975-8-4	AUS	0.0001	0.0002	0.0002	0.9994	0.0002
310531	PI	403644	Kaukau	Mali	Africa	1975-8-4	IND-AUS	0.0010	0.0021	0.5744	0.4223	0.0002
310532	PI	403675	Lang Shwei Keng	China	China	1975-8-4	IND	0.0002	0.0002	0.9993	0.0002	0.0001
310533	PI	403703	MAKALIOOKA 752	Madagascar	Africa	1975-8-4	IND	0.0168	0.0322	0.6868	0.2641	0.0002
310534	PI	405078	HSIEN CHU 56	Taiwan	China	1975-10-27	TEJ	0.0005	0.9994	0.0001	0.0000	0.0000
310535	PI	406033	CA 435/B/5/1	Chad	Africa	1975-11-13	TRJ	0.9966	0.0031	0.0001	0.0001	0.0001
310536	PI	406034	CA 902/B/2/1	Chad	Africa	1975-11-13	AUS	0.0007	0.0004	0.0016	0.9970	0.0003
310537	PI	406061	Donduni Kunluz	Afghanistan	Southern_Asia	1975-11-13	ARO	0.0006	0.0003	0.0025	0.0007	0.9958
310538	PI	406079	PI 184675-4	Iran	Mideast	1975-11-13	ARO	0.0004	0.0006	0.0002	0.0002	0.9987
310539	PI	406575	Segadis	Mali	Africa	1976-1-6	IND	0.0003	0.0006	0.9983	0.0006	0.0001
310540	PI	406577	T442-57	Thailand	Southeast_Asia	1976-1-6	IND	0.0004	0.0003	0.9992	0.0001	0.0000

310541	PI	408369	BR51-243-1	Bangladesh	Southern_Asia	1975-12-1	IND	0.0008	0.0002	0.9973	0.0016	0.0001
310542	PI	408371	BR51-319-9	Bangladesh	Southern_Asia	1975-12-1	IND	0.0008	0.0003	0.9984	0.0004	0.0001
310543	PI	408378	CR 1113	Costa Rica	Central_America	1975-12-1	IND	0.0005	0.0006	0.9975	0.0004	0.0010
310544	PI	408385	B441B-24-4-5-1	Indonesia	South_Pacific	1975-12-1	IND	0.0076	0.0009	0.9842	0.0073	0.0000
310545	PI	408401	B462B-PN-31-2	Indonesia	South_Pacific	1975-12-1	IND	0.1100	0.0005	0.8890	0.0004	0.0001
310546	PI	408406	MAHSURI	Malaysia	South_Pacific	1975-3-1	IND	0.0014	0.0014	0.9967	0.0003	0.0002
310547	PI	408410	HUALLAGA	Peru	South_America	1975-12-1	IND	0.0004	0.0001	0.9992	0.0002	0.0000
310548	PI	408567	BKN 6820-6-3-2	Thailand	Southeast_Asia	1975-12-1	IND	0.1068	0.0005	0.8920	0.0006	0.0001
310549	PI	408608	BG 90-2	Sri Lanka	Southern_Asia	1975-12-1	IND	0.0001	0.0001	0.9996	0.0002	0.0000
310550	PI	412785	Daudzai	Pakistan	Southern_Asia	1976-6-30	ARO	0.0004	0.0002	0.0017	0.0635	0.9343
310551	PI	412913	Mit Da Rae	Korea_South	North_Pacific	1976-7-20	IND	0.0137	0.0006	0.9839	0.0004	0.0015
310552	PI	413737	YR 73	Australia	Oceania	1976-7-19	TRJ	0.6518	0.3151	0.0271	0.0051	0.0009
310553	PI	414002	205	Iran	Mideast	1976-12-1	ARO	0.0005	0.0011	0.0002	0.0002	0.9980
310554	PI	414007	223	Iran	Mideast	1976-12-1	ARO	0.0005	0.0009	0.0001	0.0001	0.9982
310555	PI	414238	COLOMBIA 1	Colombia	South_America	1976-12-13	TRJ-IND-TEJ	0.5632	0.1931	0.2145	0.0002	0.0290
310556	PI	414545	Emanaye Carambak	Senegal	Africa	1975-10-17	TRJ	0.9983	0.0012	0.0003	0.0001	0.0001
310557	PI	414712	H 5	Sri Lanka	Southern_Asia	1977-2-15	IND	0.0003	0.0005	0.8706	0.1284	0.0002
310558	PI	415667	Amposta	Puerto Rico	Central_America	1977-4-21	TEJ	0.0007	0.9990	0.0003	0.0001	0.0000
310559	PI	418224	SUNBONNET	Swaziland	Africa	1977-6-20	TRJ	0.9973	0.0023	0.0001	0.0000	0.0002
310560	PI	419448	Thangone	Laos	Southeast_Asia	1977-8-7	IND	0.2542	0.0035	0.7264	0.0006	0.0154
310561	PI	420140	Azaurel	Venezuela	South_America	1977-10-18	IND	0.0003	0.0002	0.9992	0.0003	0.0001
310562	PI	420194	Higueyano	Dominican Republic	Central_America	1977-9-12	TRJ	0.9948	0.0046	0.0002	0.0003	0.0002
310563	PI	420241	JUMA 58	Dominican Republic	Central_America	1977-9-29	IND	0.0001	0.0002	0.9997	0.0001	0.0000
310564	PI	420800	KAOHSIUNG-SHEN 12	Taiwan	China	1977-12-30	IND	0.0007	0.0020	0.9942	0.0027	0.0003
310565	PI	420936	Sequial	Spain	Western_Europe	1977-12-1	TEJ	0.0544	0.9454	0.0001	0.0000	0.0001
310566	PI	420960	INIAP 7	Ecuador	South_America	1977-12-14	IND	0.0002	0.0001	0.9996	0.0001	0.0000
310567	PI	420965	TIKAL 2	Guatemala	Central_America	1977-12-14	IND	0.0002	0.0001	0.9996	0.0001	0.0000
310568	PI	422204	GPNO 26345	Morocco	Mideast	1977-11-21	TEJ	0.0013	0.9974	0.0007	0.0005	0.0001
310569	PI	422208	Patna	Morocco	Mideast	1977-11-21	TEJ	0.0973	0.9024	0.0001	0.0000	0.0001
310570	PI	422209	RAZZA 82	Italy	Western_Europe	1977-11-21	TEJ	0.0018	0.9980	0.0001	0.0001	0.0001
310571	PI	422211	Sesia	Portugal	Western_Europe	1977-11-21	TRJ-TEJ	0.4708	0.4210	0.1079	0.0002	0.0001
310572	PI	422213	Triomphe	Morocco	Mideast	1977-11-21	TEJ	0.0005	0.9993	0.0001	0.0001	0.0001
310573	PI	422214	Varyla	Madagascar	Africa	1977-11-21	TRJ	0.6615	0.3381	0.0002	0.0001	0.0001
310574	PI	422244	SM II	Malaysia	South_Pacific	1978-9-5	IND	0.0003	0.0004	0.9992	0.0001	0.0001
310575	PI	422518	Gros Riz	Haiti	Central_America	1978-9-5	IND	0.0048	0.0004	0.9904	0.0039	0.0004
310576	PI	429749	PUSA 33	India	Southern_Asia	1978-9-25	IND	0.0004	0.0013	0.9978	0.0002	0.0003
310577	PI	429862	GPNO 22232	Germany	Western_Europe	1978-9-28	IND	0.0001	0.0002	0.9996	0.0001	0.0000
310578	PI	430134	IRAT 10	Cote D'Ivoire	Africa	1978-10-10	TRJ	0.6307	0.3678	0.0002	0.0009	0.0004
310579	PI	430253	TONO BREA 408	Dominican Republic	Central_America	1978-11-15	IND	0.0001	0.0002	0.9995	0.0001	0.0001
310580	PI	430312	Pratao Precoce	Brazil	South_America	1978-11-30	TRJ	0.9991	0.0006	0.0001	0.0000	0.0001
310581	PI	430315	Precocinho	Brazil	South_America	1978-11-30	TRJ	0.9993	0.0006	0.0001	0.0000	0.0001
310582	PI	430330	Batatais	Brazil	South_America	1978-11-30	TRJ	0.9992	0.0007	0.0001	0.0000	0.0000
310583	PI	430331	17465-4	Fiji	Oceania	1978-11-30	IND	0.0002	0.0002	0.9992	0.0002	0.0001
310584	PI	430333	17752	Fiji	Oceania	1978-11-30	IND	0.0009	0.0010	0.9978	0.0002	0.0001
310585	PI	430340	Sautu	Fiji	Oceania	1978-11-30	IND	0.1048	0.0004	0.8926	0.0021	0.0002
310586	PI	430382	Baluola II	Zaire	Africa	1978-12-4	TRJ	0.9985	0.0009	0.0003	0.0001	0.0001
310587	PI	430390	Imbolo II	Zaire	Africa	1978-12-4	TRJ	0.9961	0.0014	0.0015	0.0005	0.0004
310588	PI	430397	Onu B	Zaire	Africa	1978-12-4	TRJ	0.9910	0.0049	0.0014	0.0003	0.0024
310589	PI	430400	OS 6/M	Zaire	Africa	1978-12-4	TRJ	0.6858	0.0007	0.1078	0.2056	0.0002
310590	PI	430404	R 29/1	Zaire	Africa	1978-12-4	TRJ	0.9979	0.0005	0.0005	0.0009	0.0002
310591	PI	430420	R 89	Zaire	Africa	1978-12-4	TRJ	0.9985	0.0011	0.0002	0.0001	0.0001
310592	PI	430424	R 92/1	Zaire	Africa	1978-12-4	IND	0.0001	0.0001	0.9996	0.0001	0.0000
310593	PI	430430	R 98	Zaire	Africa	1978-12-4	TRJ	0.9245	0.0740	0.0011	0.0002	0.0002
310594	PI	430431	R 98/1	Zaire	Africa	1978-12-4	TRJ	0.9758	0.0239	0.0002	0.0000	0.0001
310595	PI	430436	R 99/3	Zaire	Africa	1978-12-4	TRJ	0.9107	0.0886	0.0005	0.0001	0.0001

310596	PI	430439	R 100/2	Zaire	Africa	1978-12-4	TRJ	0.9989	0.0005	0.0004	0.0000	0.0001
310597	PI	430689	KAR 2	Korea_South	North_Pacific	1978-12-28	TEJ	0.0008	0.9990	0.0000	0.0001	0.0000
310598	PI	430936	Red	Pakistan	Southern_Asia	1978-12-29	AUS-IND-TEJ	0.0007	0.1476	0.2928	0.4970	0.0618
310599	PI	430981	Nema	Iraq	Mideast	1978-12-29	ARO	0.0009	0.0012	0.0044	0.0005	0.9930
310600	PI	430982	Shima	Iraq	Mideast	1978-12-29	AUS	0.0005	0.0003	0.3752	0.6227	0.0013
310601	PI	431024	Cat 1747	Russian Federation	Eastern_Europe	1978-12-29	IND	0.0007	0.0004	0.9988	0.0001	0.0001
310602	PI	431031	P 817	Russian Federation	Eastern_Europe	1978-12-29	IND	0.0003	0.0030	0.8401	0.1565	0.0001
310603	PI	431034	P 820	Russian Federation	Eastern_Europe	1978-12-29	AUS	0.0003	0.0003	0.0002	0.9990	0.0001
310604	PI	431045	Mahiwan Karsh Mir	Pakistan	Southern_Asia	1978-12-29	AUS	0.0001	0.0001	0.0007	0.9990	0.0001
310605	PI	431084	Dsi Sel Dangar Shah	Myanmar	Southeast_Asia	1978-12-29	IND	0.0004	0.0018	0.8594	0.1383	0.0001
310606	PI	431085	UVS Sel Medgoscer	Switzerland	Western_Europe	1978-12-29	TRJ-IND	0.5502	0.0009	0.4485	0.0001	0.0003
310607	PI	431093	Yabani Pearl	Egypt	Mideast	1978-12-29	AUS-IND	0.0012	0.0006	0.3981	0.5986	0.0015
310608	PI	431107	VARY LAVA 16	Madagascar	Africa	1978-12-29	AUS	0.0008	0.0007	0.0010	0.9972	0.0004
310609	PI	431161	Egypt 4	Egypt	Mideast	1978-12-29	IND	0.0199	0.0012	0.9706	0.0009	0.0074
310610	PI	431162	Egypt 5	Egypt	Mideast	1978-12-29	IND	0.0195	0.0011	0.9666	0.0010	0.0118
310611	PI	431176	Dee Geo Gen	Taiwan	China	1978-12-29	AUS-IND	0.0025	0.0036	0.4738	0.5194	0.0007
310612	PI	431202	Uz Begohef 2	Uzbekistan	Central_Asia	1978-12-29	IND	0.0006	0.0015	0.9975	0.0004	0.0001
310613	PI	431203	Subdi Chroa Kora Muazah Tolinsty	Kazakhstan	Central_Asia	1978-12-29	TRJ	0.7043	0.2954	0.0001	0.0001	0.0001
310614	PI	431208	Ae Kylick	Azerbaijan	Central_Asia	1978-12-29	IND	0.0002	0.0005	0.9988	0.0002	0.0003
310615	PI	431210	Dichroa Alef Uslkij	Kazakhstan	Central_Asia	1978-12-29	IND	0.0002	0.0003	0.9984	0.0003	0.0008
310616	PI	431212	Zeraschcivica Sroches Krotharny Snij	Former Soviet Union	Eastern_Europe	1978-12-29	IND	0.0002	0.0001	0.9996	0.0001	0.0000
310617	PI	431213	Krosheaynit Zeravse Kamica Primen Skit 6	Russian Federation	Eastern_Europe	1978-12-29	AUS-IND-TRJ	0.1538	0.0036	0.3793	0.4609	0.0025
310618	PI	431218	Known Kros 358	Kazakhstan	Central_Asia	1978-12-29	IND	0.0027	0.0009	0.9962	0.0001	0.0001
310619	PI	431235	P 1041	Former Soviet Union	Eastern_Europe	1978-12-29	IND	0.0004	0.0008	0.9986	0.0002	0.0001
310620	PI	431242	P 1048	Former Soviet Union	Eastern_Europe	1978-12-29	ARO	0.0008	0.2428	0.0002	0.0001	0.7561
310621	PI	431243	P 1049	Former Soviet Union	Eastern_Europe	1978-12-29	ARO	0.0008	0.0005	0.1744	0.0006	0.8238
310622	PI	431287	Doom Zero	Iran	Mideast	1978-12-29	TEJ-IND	0.0254	0.5634	0.4109	0.0002	0.0001
310623	PI	431288	Muse Tu Rum	Iran	Mideast	1978-12-29	ARO	0.0003	0.0003	0.0001	0.0001	0.9991
310624	PI	431339	P 1289	Turkey	Mideast	1978-12-29	TEJ	0.0006	0.9991	0.0002	0.0001	0.0001
310625	PI	403224	DNJ 140	Bangladesh	Southern_Asia	1975-8-4	AUS	0.0002	0.0006	0.0004	0.9987	0.0001
310626	PI	431352	P 1302	Turkey	Mideast	1978-12-29	TEJ	0.0049	0.9948	0.0002	0.0001	0.0001
310627	PI	431362	P 1312	Turkey	Mideast	1978-12-29	TEJ	0.0191	0.9805	0.0002	0.0001	0.0001
310628	PI	431371	P 1321	Turkey	Mideast	1978-12-29	IND	0.0002	0.0001	0.9995	0.0002	0.0000
310629	PI	431410	P 1360	Turkey	Mideast	1978-12-29	TEJ	0.0052	0.9946	0.0001	0.0000	0.0000
310630	PI	431499	BKN 6987-68-14	Thailand	Southeast_Asia	1979-2-1	IND	0.0003	0.0010	0.9985	0.0001	0.0001
310632	PI	432578	IR 4482-5-3-9-5	Philippines	South_Pacific	1979-3-1	IND	0.0736	0.0019	0.8242	0.1001	0.0002
310633	PI	433493	ARGO 9	Italy	Western_Europe	1979-5-1	TEJ	0.2044	0.7953	0.0001	0.0000	0.0001
310634	PI	433508	RADON 2	Italy	Western_Europe	1979-5-1	TEJ	0.0614	0.9378	0.0002	0.0001	0.0005
310635	PI	433850	IM 16	Nigeria	Africa	1979-6-1	TRJ	0.9992	0.0004	0.0002	0.0001	0.0001
310636	PI	433852	IRAT 8	Cote D'Ivoire	Africa	1979-6-1	IND	0.0001	0.0001	0.9997	0.0001	0.0000
310637	PI	433855	M 4	Nigeria	Africa	1979-6-1	TRJ	0.9990	0.0007	0.0002	0.0000	0.0001
310638	PI	433900	IRAT 104	Cote D'Ivoire	Africa	1979-7-1	TRJ	0.9986	0.0010	0.0002	0.0001	0.0001
310639	PI	433901	IRAT 105	Cote D'Ivoire	Africa	1979-7-1	TEJ	0.3569	0.6403	0.0006	0.0005	0.0018
310640	PI	433907	IRAT 112	Cote D'Ivoire	Africa	1979-7-1	TRJ	0.9994	0.0004	0.0002	0.0001	0.0001
310641	PI	433908	IRAT 113	Cote D'Ivoire	Africa	1979-7-1	TRJ	0.9986	0.0012	0.0001	0.0001	0.0000
310642	PI	433913	IRAT 132	Cote D'Ivoire	Africa	1979-7-1	TRJ	0.9992	0.0005	0.0002	0.0000	0.0001
310643	PI	433915	IRAT 134	Cote D'Ivoire	Africa	1979-7-1	TRJ	0.8462	0.1531	0.0004	0.0001	0.0001
310644	PI	433919	IRAT 139	Cote D'Ivoire	Africa	1979-7-1	TRJ	0.9990	0.0007	0.0001	0.0000	0.0001
310645	PI	434632	*MOROBEREKAN	Guinea	Africa	1979-7-1	TRJ	0.9970	0.0006	0.0022	0.0001	0.0001
310646	PI	435977	Nucleoryza	Austria	Western_Europe	1979-7-1	TEJ	0.0005	0.9993	0.0001	0.0000	0.0000
310647	PI	436587	Yu Hua Tsan	China	China	1979-7-1	IND	0.0003	0.0001	0.9993	0.0003	0.0001
310648	PI	439026	IR 400	Zimbabwe	Africa	1979-10-1	IND	0.0003	0.0008	0.9985	0.0004	0.0001

310649	PI	439046	BALA	India	Southern_Asia	1980-1-1	IND	0.0010	0.0007	0.9017	0.0964	0.0002
310650	PI	439085	PR 106	India	Southern_Asia	1980-1-1	IND	0.0641	0.0013	0.9343	0.0001	0.0002
310651	PI	439106	CH 126-129	Chile	South_America	1980-1-1	TEJ	0.0005	0.9993	0.0001	0.0000	0.0001
310652	PI	439107	CH 153-138	Chile	South_America	1980-1-1	TEJ	0.0166	0.9832	0.0001	0.0000	0.0000
310653	PI	439109	CH 242-32	Chile	South_America	1980-1-1	IND	0.0002	0.0002	0.9989	0.0005	0.0002
310654	PI	439110	CH 271-131	Chile	South_America	1980-1-1	TEJ	0.0658	0.9340	0.0000	0.0000	0.0000
310655	PI	439111	CH 272-132	Chile	South_America	1980-1-1	IND	0.0040	0.0035	0.9901	0.0004	0.0020
310656	PI	439123	CR 373-2-1-1	Egypt	Mideast	1979-8-1	TEJ	0.0003	0.9995	0.0001	0.0000	0.0001
310657	PI	439125	CR 418-3-12	Egypt	Mideast	1979-8-1	IND	0.1357	0.0041	0.8595	0.0001	0.0006
310658	PI	439127	CR 561-4-2-1	Egypt	Mideast	1979-8-1	IND	0.0015	0.0249	0.9723	0.0010	0.0002
310659	PI	439146	YNA 223	Egypt	Mideast	1979-8-1	TEJ	0.0003	0.9910	0.0071	0.0015	0.0001
310660	PI	439616	Nigro Apiculata	Sweden	Western_Europe	1980-2-1	TEJ	0.0046	0.9936	0.0002	0.0001	0.0015
310661	PI	439621	Azerbaidianica	Azerbaijan	Central_Asia	1980-2-1	TEJ	0.0016	0.9972	0.0001	0.0001	0.0010
310662	PI	439623	Affinis	Kazakhstan	Central_Asia	1980-2-1	TEJ	0.2957	0.7035	0.0003	0.0003	0.0003
310663	PI	439624	Kasakstanica	Kazakhstan	Central_Asia	1980-2-1	IND	0.0036	0.0076	0.9880	0.0006	0.0001
310664	PI	439628	Parnelli	Korea_North	North_Pacific	1980-2-1	TEJ	0.3383	0.6596	0.0008	0.0005	0.0008
310665	PI	439630	Melanotrix	Tajikistan	Central_Asia	1980-2-1	TEJ	0.0640	0.6672	0.0002	0.0003	0.2684
310666	PI	439635	Astarinica	Azerbaijan	Central_Asia	1980-2-1	ARO	0.0028	0.0202	0.0947	0.0019	0.8804
310667	PI	439646	Arpa Shaly Mestnyj	Uzbekistan	Central_Asia	1980-2-1	TEJ	0.0011	0.9981	0.0001	0.0004	0.0003
310668	PI	439650	Bak Saly Mestnyj	Azerbaijan	Central_Asia	1980-2-1	ARO-TEJ	0.0013	0.4541	0.0001	0.0002	0.5443
310669	PI	439662	DUBOVSKIJ 129	Russian Federation	Eastern_Europe	1980-2-1	TEJ	0.1602	0.6908	0.0001	0.0003	0.1486
310670	PI	439683	KUBANETS 508	Russian Federation	Eastern_Europe	1980-2-1	TEJ	0.0121	0.8788	0.0002	0.0005	0.1085
310671	PI	439687	Linia 84 Icar	Romania	Eastern_Europe	1980-2-1	TEJ	0.0020	0.9975	0.0001	0.0001	0.0004
310672	PI	439708	Naruha	Japan	North_Pacific	1980-2-1	AUS	0.0002	0.0002	0.0005	0.9989	0.0002
310673	PI	439711	Pirinae 69	Former Yugoslavia	Eastern_Europe	1980-2-1	IND-TEJ	0.0021	0.4385	0.5589	0.0004	0.0001
310674	PI	439725	Slavianskij	Bulgaria	Eastern_Europe	1980-2-1	TEJ	0.1344	0.8653	0.0003	0.0000	0.0000
310675	PI	442135	GIZA 172	Egypt	Mideast	1980-4-1	TEJ	0.0003	0.9996	0.0000	0.0000	0.0001
310676	PI	442970	IR 34	Philippines	South_Pacific	1980-5-1	IND	0.0003	0.0005	0.9985	0.0004	0.0003
310677	PI	446914	STEGARU 65	Romania	Eastern_Europe	1980-8-1	TEJ	0.0009	0.9985	0.0001	0.0001	0.0003
310680	PI	430977	Halwa Gose Red	Iraq	Mideast	1978-12-29	AUS	0.0014	0.0013	0.0030	0.9938	0.0004
310681	PI	389101	Shuan Leu Shan Goo	Taiwan	China	1974-9-1	ARO-TEJ	0.0750	0.3521	0.0055	0.0027	0.5646
310682	PI	458435	Bersani	Turkey	Mideast	1981-3-1	TEJ	0.0073	0.9924	0.0002	0.0001	0.0001
310683	PI	458468	IITA 130	Nigeria	Africa	1981-3-1	TRJ	0.9986	0.0009	0.0003	0.0001	0.0001
310684	PI	458472	IITA 164	Nigeria	Africa	1981-3-1	TRJ	0.8035	0.0016	0.0010	0.0904	0.1035
310685	PI	458823	BR-IRGA-410	Brazil	South_America	1981-4-1	IND	0.0045	0.0054	0.9895	0.0002	0.0004
310686	PI	460635	Pratao	Brazil	South_America	1981-6-1	TRJ	0.9980	0.0015	0.0003	0.0000	0.0001
310687	PI	464597	IR 9660-48-1-1-2	Philippines	South_Pacific	1981-11-1	IND	0.0000	0.0001	0.9998	0.0001	0.0000
310688	PI	464616	MILYANG 56	Korea_South	North_Pacific	1981-11-1	IND	0.0025	0.0672	0.9296	0.0003	0.0004
310689	PI	464621	RAEGYEONG	Korea_South	North_Pacific	1981-11-1	IND	0.0003	0.1169	0.8826	0.0001	0.0001
310690	PI	464636	PI464636	Korea_South	North_Pacific	1981-11-1	IND	0.0074	0.0167	0.9749	0.0003	0.0006
310691	PI	490789	UA 1038	Nigeria	Africa	1984-8-1	TRJ	0.9986	0.0010	0.0002	0.0001	0.0001
310692	PI	490792	Tox 177-1-2-B	Nigeria	Africa	1984-8-1	TRJ	0.9555	0.0006	0.0435	0.0003	0.0001
310693	PI	493131	Bakiella 1	Sri Lanka	Southern_Asia	1984-12-1	IND	0.0005	0.0006	0.9959	0.0028	0.0002
310694	PI	493132	Balislus	Senegal	Africa	1984-12-1	IND	0.0008	0.0006	0.9984	0.0001	0.0001
310695	PI	503060	15906	Colombia	South_America	1986-2-1	IND	0.0326	0.0872	0.8795	0.0003	0.0004
310696	PI	503073	16776	Colombia	South_America	1986-2-1	IND	0.0395	0.1128	0.8464	0.0007	0.0006
310697	PI	503090	17335	Colombia	South_America	1986-2-1	IND	0.0369	0.0030	0.9599	0.0002	0.0001
310698	PI	503133	19954	Colombia	South_America	1986-2-1	IND	0.0003	0.0032	0.9960	0.0003	0.0002
310699	PI	504478	TATSUMIMOCHI	Japan	North_Pacific	1986-8-1	TEJ	0.0012	0.9898	0.0076	0.0012	0.0001
310700	PI	505386	IR 31779-112-1-2-2-3	Philippines	South_Pacific	1986-11-18	IND	0.0042	0.0012	0.9932	0.0013	0.0001
310701	PI	505387	IR 31802-48-2-2	Philippines	South_Pacific	1986-11-18	IND	0.0001	0.0001	0.9992	0.0003	0.0002
310702	PI	549224	Jumli dhan	Nepal	Southern_Asia	1984-12-13	TEJ-TRJ-ARO	0.3166	0.4287	0.0154	0.0532	0.1861
310703	PI	549253	N-2703	Nepal	Southern_Asia	1984-12-13	AUS	0.0013	0.0415	0.1413	0.8148	0.0011
310704	PI	560273	CT7378-2-1-3-1-4-M	Colombia	South_America	1990-1-24	TRJ	0.8938	0.0237	0.0823	0.0001	0.0001
310705	PI	564577	Zira	Kenya	Africa	1992-12-17	TRJ	0.9978	0.0012	0.0004	0.0005	0.0001

310706	PI	564581	Pulut Manjetti	Indonesia	Oceania	1992-12-17	TRJ	0.9989	0.0006	0.0002	0.0002	0.0001
310707	PI	574428	MEDUSA	Italy	Western_Europe	1992-7-29	TEJ	0.1471	0.8527	0.0001	0.0000	0.0001
310708	PI	574441	SILLA	Italy	Western_Europe	1992-7-29	TEJ	0.1839	0.8158	0.0001	0.0000	0.0001
310709	PI	574675	BR19	Bangladesh	Southern_Asia	1993-7-28	IND	0.0001	0.0001	0.9990	0.0009	0.0000
310710	PI	583842	OSOGOVKA	Macedonia	Eastern_Europe	1991-10-31	TEJ	0.0107	0.9890	0.0001	0.0000	0.0001
310711	PI	583845	MAKEDONIJA	Macedonia	Eastern_Europe	1993-11-3	TEJ	0.0454	0.9531	0.0013	0.0002	0.0001
310712	PI	584559	IRAT 13	Cote D'Ivoire	Africa	1991-7-5	TRJ	0.9992	0.0004	0.0002	0.0000	0.0001
310713	PI	584562	GHARIB	Iran	Mideast	1991-7-5	ARO-TEJ	0.0356	0.3990	0.0004	0.0003	0.5646
310714	PI	584564	TCHAMPA	Iran	Mideast	1991-7-5	AUS	0.0002	0.0053	0.0026	0.9916	0.0002
310715	PI	584566	PHUDUGEY	Bhutan	Southern_Asia	1991-7-5	AUS	0.0006	0.0001	0.0004	0.9988	0.0001
310716	PI	584583	GHATI KAMMA NANGARHAR	Afghanistan	Southern_Asia	1991-7-5	AUS	0.0001	0.0004	0.0006	0.9987	0.0002
310717	PI	584584	LUK TAKHAR	Afghanistan	Southern_Asia	1991-7-5	TEJ	0.0003	0.9704	0.0243	0.0045	0.0005
310718	PI	584588	M. BLATEC	Macedonia	Eastern_Europe	1991-10-31	TEJ	0.0090	0.9907	0.0001	0.0000	0.0002
310719	PI	584610	Fossa Av	Burkina Faso	Africa	1991-7-5	TRJ	0.9969	0.0027	0.0002	0.0001	0.0001
310720	PI	584612	PATE BLANC MN 1	Cote D'Ivoire	Africa	1991-7-5	TRJ	0.9988	0.0009	0.0002	0.0001	0.0001
310721	PI	584615	WIR 623	Uzbekistan	Central_Asia	1992-6-2	TEJ	0.0236	0.8598	0.0001	0.0001	0.1164
310722	PI	584619	WIR 1889	Kazakhstan	Central_Asia	1992-6-2	TEJ	0.0119	0.9293	0.0051	0.0450	0.0087
310723	PI	584624	WIR 3039	Tajikistan	Central_Asia	1992-6-2	TEJ	0.0031	0.7632	0.0001	0.0001	0.2336
310724	PI	584625	Ak Tokhum	Azerbaijan	Central_Asia	1992-6-2	ARO	0.0029	0.2764	0.0004	0.0005	0.7198
310725	PI	584626	Shato Lua	Azerbaijan	Central_Asia	1992-6-2	ARO	0.0011	0.1026	0.0002	0.0001	0.8959
310726	PI	584633	UZ ROS 2759	Uzbekistan	Central_Asia	1992-6-2	TEJ	0.0012	0.9986	0.0001	0.0000	0.0001
310727	PI	584634	WIR 3764	Uzbekistan	Central_Asia	1992-6-2	TEJ	0.0033	0.9961	0.0001	0.0002	0.0002
310728	PI	584639	Sirkat	Afghanistan	Southern_Asia	1992-6-2	AUS-ARO	0.0012	0.0004	0.0005	0.5753	0.4227
310729	PI	584652	ZEMCYZNYJ	Russian Federation	Eastern_Europe	1992-6-2	TEJ	0.0006	0.9993	0.0001	0.0000	0.0001
310730	PI	584667	JUMA 61	Dominican Republic	Central_America	1993-3-23	IND	0.0001	0.0002	0.9996	0.0001	0.0000
310731	PI	584668	ORYZICA LLANOS 5 C	Colombia	South_America	1993-3-23	IND	0.0057	0.0723	0.9215	0.0001	0.0004
310732	PI	584683	3CU77-1CU-2CU-2C U-2CU-SMCU2	Colombia	South_America	1993-3-23	IND	0.0024	0.0007	0.9958	0.0003	0.0008
310733	PI	584722	CT10323-21-6-M	Colombia	South_America	1993-3-23	IND	0.1008	0.1095	0.7885	0.0005	0.0007
310734	PI	584731	CNAX 5072-2-1-2B	Colombia	South_America	1993-3-23	IND	0.0814	0.0667	0.8514	0.0003	0.0002
310735	PI	584740	ANAYANSI	Panama	Central_America	1991-4-23	IND	0.0001	0.0001	0.9996	0.0001	0.0000
310736	PI	584741	ARAURE 1	Venezuela	South_America	1991-4-23	IND	0.0003	0.0002	0.9993	0.0002	0.0000
310737	PI	584744	CEA 2	Paraguay	South_America	1991-4-23	IND	0.0005	0.0601	0.9392	0.0001	0.0000
310738	PI	584746	CEA 3	Paraguay	South_America	1991-4-23	IND	0.0005	0.0005	0.9989	0.0001	0.0000
310739	PI	584750	EMPASC 103	Brazil	South_America	1991-4-23	IND	0.0003	0.0001	0.9995	0.0001	0.0000
310740	PI	584753	ORYZICA LLANOS 4	Colombia	South_America	1991-4-23	IND	0.1374	0.1234	0.7377	0.0003	0.0012
310741	PI	584755	PERLA	Cuba	Central_America	1991-4-23	IND	0.0008	0.0007	0.9983	0.0001	0.0001
310743	PI	596806	DIAMANTE	Chile	South_America	1990-1-24	TRJ-TEJ	0.5563	0.3662	0.0002	0.0769	0.0005
310744	PI	596808	Tropical Rice	Ecuador	South_America	1991-5-8	TEJ	0.0010	0.9984	0.0002	0.0003	0.0001
310745	PI	596813	WIR 3419	Azerbaijan	Central_Asia	1992-6-2	ARO	0.0011	0.0081	0.0002	0.0017	0.9890
310746	PI	596815	376	Cambodia	Southeast_Asia	1992-6-5	IND	0.0001	0.0002	0.9948	0.0049	0.0001
310747	PI	596818	BHIM DHAN	Nepal	Southern_Asia	1992-7-20	TEJ-TRJ-ARO	0.3775	0.4679	0.0325	0.0144	0.1078
310748	PI	596827	IR-44595	Nepal	Southern_Asia	1992-7-20	IND	0.0005	0.0002	0.9992	0.0001	0.0000
310749	PI	596846	IDIAP-863	Panama	Central_America	1993-4-14	IND	0.0038	0.0725	0.9235	0.0002	0.0001
310750	PI	596873	FARO 37	Nigeria	Africa	1993-8-23	IND	0.0002	0.0003	0.9993	0.0002	0.0001
310751	PI	596885	RP1821-5-17-2	India	Southern_Asia	1993-8-23	IND	0.0005	0.0001	0.9989	0.0001	0.0003
310752	PI	596908	ECIA 128	Cuba	Central_America	1993-8-23	IND	0.0015	0.0002	0.9978	0.0003	0.0003
310753	PI	596909	GZ1368-5-4	Egypt	Mideast	1993-8-23	IND	0.0005	0.0006	0.9988	0.0001	0.0001
310754	PI	596911	H232-44-1-1	Argentina	South_America	1993-8-23	TRJ	0.7860	0.0921	0.1216	0.0001	0.0002
310755	PI	596924	IR 53901-64-3-2-1	Philippines	South_Pacific	1993-8-23	IND	0.0001	0.0001	0.9997	0.0001	0.0000
310756	PI	596935	J355-6-2-1-1	Dominican Republic	Central_America	1993-8-23	IND	0.0014	0.0009	0.9947	0.0024	0.0006
310757	PI	596941	RP2151-173-1-8	India	Southern_Asia	1993-8-23	IND	0.0001	0.0001	0.9501	0.0492	0.0004
310758	PI	596946	TOPLOEA 58/76	Romania	Eastern_Europe	1993-8-23	TEJ	0.0010	0.9987	0.0001	0.0002	0.0001
310759	PI	596947	TOPLOEA 70/76	Romania	Eastern_Europe	1993-8-23	TEJ	0.0009	0.9989	0.0001	0.0001	0.0001

310760	PI	596977	CT6744-2-11-1-M-M	Chile	South_America	1993-8-23	TEJ	0.0325	0.8973	0.0697	0.0003	0.0002
310761	PI	597003	H239-103-1	Argentina	South_America	1993-8-23	TRJ	0.7633	0.1310	0.1048	0.0002	0.0007
310762	PI	597004	IRAT 44	Burkina Faso	Africa	1993-8-23	TRJ	0.9122	0.0796	0.0041	0.0029	0.0013
310763	PI	597024	79004-TR4-4-2-1-1	Turkey	Mideast	1993-8-23	TEJ	0.0125	0.9873	0.0001	0.0000	0.0001
310764	PI	597027	7913-TR34-1-1	Turkey	Mideast	1993-8-23	TEJ	0.0954	0.9042	0.0002	0.0001	0.0001
310765	PI	597029	80110-TR4-1-1	Turkey	Mideast	1993-8-23	TEJ	0.0958	0.9039	0.0001	0.0000	0.0001
310766	PI	597045	HD14	Australia	Oceania	1994-6-29	IND	0.0790	0.0009	0.9195	0.0005	0.0001
310767	PI	602606	HB-6-2	Hungary	Eastern_Europe	1994-8-7	TEJ	0.0009	0.9979	0.0001	0.0009	0.0002
310768	PI	602612	RINGOLA	Hungary	Eastern_Europe	1994-8-7	TEJ	0.0007	0.9991	0.0001	0.0001	0.0000
310769	PI	602622	SZ-958	Hungary	Eastern_Europe	1994-8-7	TEJ	0.0024	0.9971	0.0002	0.0002	0.0002
310770	PI	602625	MIYANG	China	China	1994-8-7	IND	0.0042	0.0071	0.9881	0.0005	0.0001
310771	PI	602635	WAB56-104	Cote D'Ivoire	Africa	1996-5-14	TRJ	0.9967	0.0015	0.0014	0.0002	0.0001
310772	PI	602651	CL SELECCION 56	Brazil	South_America	1996-5-14	IND	0.0046	0.0028	0.9916	0.0005	0.0005
310773	PI	602654	ECIA76-S89-1	Cuba	Central_America	1996-5-14	IND	0.0009	0.0002	0.9973	0.0011	0.0005
310774	PI	602661	WAB 502-13-4-1	Cote D'Ivoire	Africa	1996-5-14	TRJ	0.9599	0.0063	0.0041	0.0276	0.0021
310775	PI	602662	WAB 501-11-5-1	Cote D'Ivoire	Africa	1996-5-14	TRJ	0.9881	0.0068	0.0010	0.0031	0.0010
310776	PI	18920	Sultani	Egypt	Mideast	1906-7-5	TRJ	0.8507	0.1490	0.0002	0.0001	0.0001
310777	PI	37215	WC 3532	Peru	South_America	1914-2-17	TRJ	0.9994	0.0003	0.0002	0.0000	0.0001
310778	PI	37859	114b	Brazil	South_America	1914-4-13	TRJ	0.9992	0.0003	0.0003	0.0001	0.0001
310779	Clor	2169	GPNO 1106	Guatemala	Central_America	1915-6-1	TRJ	0.9994	0.0003	0.0002	0.0000	0.0001
310780	PI	596836	DARIJ 8	Russian Federation	Eastern_Europe	1992-9-25	TEJ	0.0009	0.9973	0.0001	0.0005	0.0012
310781	PI	51520	M'Bale	Kenya	Africa	1920-10-1	TRJ	0.9863	0.0132	0.0001	0.0001	0.0002
310782	Clor	5451	LADY WRIGHT	United States	North_America	1922-6-1	TRJ	0.7764	0.2234	0.0001	0.0000	0.0001
310783	Clor	5793	BLUE ROSE SU-PREME	United States	North_America	1925-6-1	TRJ-TEJ	0.5187	0.4811	0.0001	0.0001	0.0001
310784	PI	65884	Styk	Azerbaijan	Central_Asia	1926-1-1	ARO	0.0007	0.0041	0.0001	0.0001	0.9949
310785	PI	65894	Gidej	Azerbaijan	Central_Asia	1926-1-1	ARO	0.0050	0.0131	0.0396	0.0002	0.9421
310786	Clor	5883	EARLY PROLIFIC	United States	North_America	1926-6-1	TEJ-TRJ	0.4763	0.5234	0.0001	0.0000	0.0001
310787	PI	67148	Ziri	India	Southern_Asia	1926-5-1	AUS	0.0014	0.0009	0.0006	0.9970	0.0001
310788	PI	67153	Toga	India	Southern_Asia	1926-5-1	IND	0.0094	0.0004	0.9840	0.0042	0.0021
310789	Clor	7337	Pulutan	Philippines	South_Pacific	1928-6-1	TRJ	0.9157	0.0155	0.0022	0.0020	0.0646
310790	Clor	7375	Sze Guen Zim	China	China	1928-6-1	IND	0.0007	0.0009	0.9980	0.0003	0.0001
310791	Clor	7404	Kin Shan Zim	China	China	1928-6-1	IND	0.0023	0.0009	0.9958	0.0001	0.0009
310792	PI	100924	2476	China	China	1932-8-1	TEJ-TRJ	0.4090	0.5906	0.0002	0.0000	0.0001
310793	PI	130650	Amber	Australia	Oceania	1938-10-12	ARO	0.0011	0.0054	0.0002	0.0004	0.9928
310794	PI	130960	Benllok	Peru	South_America	1938-11-1	TEJ	0.0003	0.9996	0.0000	0.0000	0.0000
310795	PI	130961	EAS 3	Peru	South_America	1938-11-1	TRJ	0.9403	0.0593	0.0002	0.0001	0.0001
310796	PI	134053	Hiderisirazu	Japan	North_Pacific	1939-9-18	TEJ	0.2790	0.7181	0.0010	0.0005	0.0015
310797	PI	141754	Java Barba Azul	Peru	South_America	1941-5-9	TRJ	0.6393	0.2254	0.1127	0.0041	0.0185
310798	PI	154434	Mairaromu	Taiwan	China	1946-5-10	TEJ-TRJ	0.4147	0.5783	0.0014	0.0002	0.0054
310799	PI	154435	Ragasu	Taiwan	China	1946-5-10	TRJ-TEJ	0.5379	0.4009	0.0600	0.0003	0.0009
310800	PI	154441	Natara	Taiwan	China	1946-5-10	TEJ	0.0233	0.9071	0.0685	0.0003	0.0008
310801	PI	154481	Tobura	Taiwan	China	1946-5-10	TEJ-TRJ	0.4419	0.5552	0.0010	0.0004	0.0015
310802	PI	154531	Tamanishiki	Japan	North_Pacific	1946-5-10	TEJ	0.0006	0.9983	0.0001	0.0006	0.0004
310803	PI	154707	TAKAO 11	Taiwan	China	1946-5-10	IND	0.0313	0.0002	0.9682	0.0002	0.0001
310804	PI	155420	Chirigua 1	Venezuela	South_America	1946-7-29	TRJ	0.9983	0.0012	0.0003	0.0000	0.0001
310805	PI	155421	Chivacia 1	Venezuela	South_America	1946-7-29	TRJ	0.9991	0.0005	0.0001	0.0000	0.0002
310806	PI	155422	Delta Amacuro	Venezuela	South_America	1946-7-29	TRJ	0.9981	0.0003	0.0015	0.0001	0.0001
310807	PI	157292	Kokuta	Korea_South	North_Pacific	1947-2-18	TEJ	0.3984	0.6011	0.0003	0.0001	0.0002
310808	PI	157380	Wase Shinshu	Japan	North_Pacific	1947-2-18	TRJ-TEJ	0.5811	0.4129	0.0022	0.0017	0.0021
310809	PI	157385	Yong Chal Byo	Korea_South	North_Pacific	1947-2-18	TEJ	0.3293	0.6600	0.0084	0.0006	0.0018
310810	PI	157388	Ike Zawa	Korea_South	North_Pacific	1947-2-18	TEJ-TRJ	0.4543	0.5337	0.0109	0.0005	0.0007
310811	PI	157390	Zui Ho	Japan	North_Pacific	1947-2-18	IND	0.0017	0.0011	0.9970	0.0002	0.0001
310812	Clor	2962	GPNO 1257	Philippines	South_Pacific	1916-6-1	TRJ	0.9988	0.0005	0.0003	0.0000	0.0004
310813	PI	157528	Pico Negro	El Salvador	Central_America	1947-2-24	TRJ	0.9980	0.0015	0.0002	0.0000	0.0002
310814	Clor	8913	Grassy	Haiti	Central_America	1947-6-1	TRJ	0.9988	0.0008	0.0002	0.0000	0.0001
310815	Clor	9041	PR 147	Puerto Rico	Central_America	1954-3-10	TRJ	0.9986	0.0006	0.0003	0.0001	0.0004

310816	Clor	9046	PR 403	Puerto Rico	Central_America	1954-3-10	TRJ	0.9983	0.0009	0.0003	0.0001	0.0004
310817	Clor	9107	S4511A2-49B-4-1	United States	North_America	1954-3-1	TRJ	0.9987	0.0008	0.0001	0.0001	0.0002
310818	Clor	9166	REXORO ROGUE	United States	North_America	1954-3-1	TRJ	0.9584	0.0413	0.0001	0.0000	0.0002
310819	Clor	9198	ARKROSE SELECTION	United States	North_America	1954-3-1	TRJ-TEJ	0.5469	0.4529	0.0001	0.0000	0.0001
310820	Clor	9226	B459A1-49-1-2-1	United States	North_America	1955-3-1	TRJ	0.9991	0.0007	0.0001	0.0000	0.0001
310821	Clor	9275	B4524A1-13	United States	North_America	1955-3-1	TRJ	0.9991	0.0005	0.0002	0.0001	0.0001
310822	Clor	9280	Short Century	United States	North_America	1955-3-1	TRJ	0.9504	0.0492	0.0001	0.0000	0.0003
310823	Clor	9287	WC 1006	Iraq	Mideast	1950-6-1	AUS	0.0002	0.0006	0.0005	0.9986	0.0003
310824	Clor	9402	B502A2-113-B3	United States	North_America	1957-6-1	TRJ	0.9991	0.0006	0.0001	0.0000	0.0002
310825	Clor	9425	C57-5043	United States	North_America	1958-6-1	TRJ	0.8581	0.1417	0.0001	0.0001	0.0001
310826	Clor	9436	Stg 563808	United States	North_America	1959-6-1	TRJ	0.9923	0.0074	0.0002	0.0000	0.0001
310827	Clor	9438	58C5091	United States	North_America	1959-6-1	TRJ	0.9904	0.0093	0.0002	0.0000	0.0001
310828	Clor	9538	B574A1-1-4	United States	North_America	1962-1-1	TRJ	0.9993	0.0005	0.0001	0.0000	0.0001
310829	Clor	9646	Stg 64M3390	United States	North_America	1967-6-1	TRJ	0.9690	0.0308	0.0001	0.0000	0.0002
310830	Clor	9650	Stg 63D1636	United States	North_America	1967-1-1	TRJ	0.9833	0.0165	0.0001	0.0000	0.0001
310831	Clor	9736	Zenith	Puerto Rico	Central_America	1969-6-1	TRJ	0.8195	0.1803	0.0001	0.0001	0.0000
310832	Clor	9812	Stg 664652	United States	North_America	1970-6-1	TRJ	0.9846	0.0135	0.0014	0.0002	0.0003
310833	Clor	9896	71Cr-308	United States	North_America	1972-6-1	TRJ	0.7580	0.2417	0.0002	0.0000	0.0001
310834	Clor	9949	Stg 70M6961	United States	North_America	1973-3-9	TRJ	0.7236	0.2761	0.0001	0.0001	0.0001
310835	Clor	9953	Stg 704905	United States	North_America	1973-3-9	TRJ	0.9980	0.0017	0.0001	0.0001	0.0002
310836	Clor	11030	GPNO 5055	United States	North_America	1977-6-1	TRJ	0.6461	0.1930	0.1608	0.0001	0.0001
310837	Clor	12030	Honduras	Honduras	Central_America	1908-6-1	TRJ	0.9994	0.0004	0.0001	0.0000	0.0001
310838	Clor	12052	Molok	Indonesia	South_Pacific	1914-6-1	TRJ-TEJ	0.5938	0.3466	0.0583	0.0004	0.0008
310839	Clor	12211	Arroz Creollo	Mexico	North_America	1926-6-1	TRJ	0.7575	0.0003	0.0002	0.2418	0.0002
310840	Clor	12234	Long Gnar Jim	United States	Oceania	1928-6-1	TRJ	0.9475	0.0517	0.0002	0.0001	0.0005
310841	Clor	12248	Byakkoku	Australia	Oceania	1938-6-1	IND	0.0005	0.0003	0.9987	0.0004	0.0001
310842	Clor	12250	Tile	Australia	Oceania	1938-6-1	TRJ	0.9311	0.0683	0.0002	0.0001	0.0003
310843	Clor	12277	Kerang Serang	Indonesia	South_Pacific	1946-6-1	TRJ	0.9288	0.0010	0.0698	0.0003	0.0001
310844	PI	157527	Criollo	El Salvador	Central_America	1947-2-24	TRJ	0.9905	0.0019	0.0019	0.0003	0.0054
310845	Clor	12342	CI 9489-3	United States	North_America	1961-12-1	TRJ	0.7456	0.2539	0.0003	0.0000	0.0002
310846	Clor	12492	Kao Chio Lin Chou	Taiwan	China	1962-6-1	IND	0.0024	0.0007	0.9943	0.0005	0.0021
310847	Clor	12532	PR 428	Puerto Rico	Central_America	1954-12-1	TEJ-IND-TRJ	0.1994	0.5697	0.2306	0.0002	0.0001
310848	PI	160410	Ho Yi Tiao	China	China	1947-11-25	IND	0.0030	0.0012	0.9954	0.0002	0.0001
310849	PI	160530	Pan Ju	China	China	1947-11-25	IND	0.0002	0.0001	0.9994	0.0002	0.0001
310850	PI	160650	Chiu Tien	China	China	1947-11-25	TEJ	0.0010	0.9987	0.0002	0.0000	0.0001
310851	PI	160737	Ai Chih Hsu	China	China	1947-11-25	TEJ	0.0009	0.9990	0.0001	0.0000	0.0000
310852	PI	160792	Hsin Shan Tien Swei 1 Hao	China	China	1947-11-25	TEJ	0.0003	0.9996	0.0001	0.0000	0.0001
310853	PI	160821	Ming Cheng 164	China	China	1947-11-25	TEJ	0.0007	0.8729	0.1261	0.0002	0.0001
310854	PI	160832	Chung Hsuan	China	China	1947-11-25	TRJ	0.8891	0.1105	0.0003	0.0000	0.0001
310855	PI	389922	See Mew	Hong Kong	China	1974-9-1	IND	0.0124	0.0025	0.9841	0.0003	0.0007
310856	PI	160871	WC 521	China	China	1947-11-25	TRJ	0.6653	0.2816	0.0524	0.0004	0.0004
310857	PI	160962	Ai Yeh Lu	China	China	1947-11-25	IND-TEJ-TRJ	0.2490	0.3272	0.4227	0.0001	0.0009
310858	PI	161566	Criollo Chirgua 3	Venezuela	South_America	1947-12-26	TRJ	0.9987	0.0003	0.0009	0.0000	0.0001
310859	PI	161568	Criollo La Fria	Venezuela	South_America	1947-12-26	IND	0.0005	0.0007	0.9980	0.0002	0.0006
310860	PI	161570	Morotuto	Venezuela	South_America	1947-12-26	TRJ	0.9995	0.0003	0.0001	0.0000	0.0001
310861	PI	162113	Niwahutaw Mochi	Japan	North_Pacific	1948-2-1	TEJ	0.0007	0.9992	0.0001	0.0000	0.0001
310862	PI	162144	SUITO NORIN 20	Japan	North_Pacific	1948-2-1	TEJ	0.0009	0.9988	0.0002	0.0000	0.0000
310863	PI	162177	Bul Zo	Korea_South	North_Pacific	1948-2-1	TEJ	0.0017	0.9981	0.0002	0.0000	0.0000
310864	PI	162196	Du Jung Zyong	Korea_South	North_Pacific	1948-2-1	IND	0.0003	0.0003	0.9992	0.0001	0.0001
310865	PI	162261	Mu Zo	Korea_South	North_Pacific	1948-2-1	TEJ	0.0036	0.9962	0.0001	0.0001	0.0001
310866	PI	162311	Su Won 55	Korea_South	North_Pacific	1948-2-1	TEJ	0.0061	0.9934	0.0002	0.0001	0.0002
310867	PI	162317	Su Won 72	Korea_South	North_Pacific	1948-2-1	TRJ-TEJ	0.4998	0.4992	0.0002	0.0006	0.0002
310868	PI	162387	Zyoub Sin Ryouk	Korea_South	North_Pacific	1948-2-1	TEJ	0.0005	0.9993	0.0001	0.0000	0.0001
310869	PI	164910	CUME MAN F.A.	Argentina	South_America	1948-6-6	TEJ-TRJ	0.4054	0.5942	0.0002	0.0002	0.0001
310870	PI	167930	Penbe	Turkey	Mideast	1948-9-1	TEJ	0.2085	0.7913	0.0001	0.0000	0.0001

310871	PI	168934	PI168934	Spain	Western_Europe	1948-10-18	TRJ	0.9991	0.0007	0.0001	0.0000	0.0001
310872	PI	168947	WC 2564	Spain	Western_Europe	1948-11-1	TEJ	0.0003	0.9996	0.0000	0.0000	0.0000
310873	PI	168948	Precoz Verde	Spain	Western_Europe	1948-11-1	TEJ-TRJ	0.4354	0.5643	0.0002	0.0001	0.0001
310874	PI	168949	Sellent	Spain	Western_Europe	1948-11-1	TEJ	0.0003	0.9996	0.0000	0.0000	0.0000
310875	PI	171971	27	Dominican Republic	Central_America	1948-12-1	TRJ	0.9993	0.0004	0.0001	0.0000	0.0001
310876	Clor	12312	REXARK ROGUE	United States	North_America	1954-6-1	TRJ	0.9988	0.0009	0.0002	0.0001	0.0001
310877	PI	175019	VIALONE NERO	Italy	Western_Europe	1949-2-1	TEJ	0.0034	0.9963	0.0001	0.0001	0.0001
310878	PI	176370	5490	Turkey	Mideast	1949-3-1	TEJ	0.0024	0.9974	0.0001	0.0000	0.0001
310879	PI	177224	6360	Turkey	Mideast	1949-3-1	TEJ	0.1408	0.8140	0.0001	0.0002	0.0449
310880	PI	177233	10340	Turkey	Mideast	1949-3-1	TEJ	0.0007	0.9990	0.0001	0.0001	0.0001
310881	PI	183700	10697	Turkey	Mideast	1949-7-27	TEJ	0.3504	0.6494	0.0001	0.0000	0.0000
310882	PI	184496	FUJISAKA 2	Japan	North_Pacific	1949-9-23	TEJ	0.0034	0.9963	0.0001	0.0001	0.0001
310883	PI	184506	Somewake	Japan	North_Pacific	1949-9-23	TEJ	0.0086	0.9904	0.0001	0.0001	0.0008
310884	PI	189451	Gilanica	Portugal	Western_Europe	1950-5-1	TEJ	0.3040	0.6957	0.0001	0.0000	0.0001
310885	PI	189458	Batatka	Portugal	Western_Europe	1950-5-1	TEJ-TRJ	0.4311	0.5681	0.0003	0.0001	0.0004
310886	PI	190617	WC 2656	Zaire	Africa	1950-9-1	TRJ	0.9776	0.0216	0.0006	0.0001	0.0002
310887	PI	198134	Buphopa	Myanmar	Southeast_Asia	1951-9-1	ARO-TEJ-TRJ	0.3052	0.3180	0.0041	0.0027	0.3701
310888	PI	199542	Boa Vista	El Salvador	Central_America	1952-3-6	TRJ	0.9639	0.0006	0.0350	0.0002	0.0004
310889	PI	199543	Brazilero Perla	El Salvador	Central_America	1952-3-6	TRJ	0.6595	0.3401	0.0001	0.0001	0.0001
310890	PI	199552	Peraiba	El Salvador	Central_America	1952-3-6	TRJ	0.9994	0.0004	0.0001	0.0000	0.0001
310891	PI	199554	Shapajillan	El Salvador	Central_America	1952-3-6	TRJ	0.9972	0.0025	0.0001	0.0001	0.0001
310892	PI	201838	Mamoriaka	Madagascar	Africa	1952-6-1	IND-AUS	0.0053	0.0014	0.5168	0.4760	0.0006
310893	PI	201839	SIKASSO B	Mali	Africa	1952-6-1	IND-AUS	0.0003	0.0085	0.5873	0.4025	0.0012
310894	PI	202968	Kinai No. 37	Japan	North_Pacific	1952-9-15	TEJ	0.0002	0.9997	0.0000	0.0000	0.0000
310895	PI	202992	NORIN 26	Japan	North_Pacific	1952-9-15	TEJ	0.0003	0.9967	0.0017	0.0007	0.0006
310896	PI	202994	NORIN 31	Japan	North_Pacific	1952-9-15	TEJ	0.0004	0.9995	0.0001	0.0000	0.0000
310897	PI	203095	RIKUTO TOUKAI MOCHI 27	Japan	North_Pacific	1952-9-29	TEJ-TRJ	0.4748	0.5172	0.0021	0.0013	0.0046
310898	PI	203282	Sacol 2	Chile	South_America	1952-10-27	TRJ-TEJ	0.5160	0.4836	0.0002	0.0001	0.0001
310899	PI	207010	LAMBAYEQUE 1	Peru	South_America	1953-4-8	AUS	0.0002	0.0001	0.0007	0.9989	0.0001
310900	PI	208450	Hasa	Nepal	Southern_Asia	1953-5-12	ARO-TEJ-TRJ	0.1315	0.3738	0.0016	0.0790	0.4141
310901	PI	208452	Juppa	Nepal	Southern_Asia	1953-5-12	IND	0.0006	0.0004	0.6534	0.3454	0.0002
310902	PI	209934	2	Taiwan	China	1953-8-13	TEJ	0.0004	0.9995	0.0001	0.0000	0.0000
310903	PI	209938	6	Taiwan	China	1953-8-13	TEJ	0.0004	0.9994	0.0001	0.0001	0.0000
310904	PI	214075	Palmira 8	Costa Rica	Central_America	1954-2-11	TRJ	0.9994	0.0003	0.0001	0.0000	0.0001
310905	PI	215477	Americano 1600	Italy	Western_Europe	1954-4-13	TEJ	0.0003	0.9995	0.0001	0.0000	0.0000
310906	PI	215478	Ardito	Italy	Western_Europe	1954-4-13	TEJ	0.1783	0.8214	0.0001	0.0000	0.0001
310907	PI	215517	Allorio 11	France	Western_Europe	1954-4-19	TEJ	0.0004	0.9995	0.0001	0.0000	0.0000
310908	PI	175013	ARDIZZONE	Italy	Western_Europe	1949-2-1	TEJ	0.0015	0.9976	0.0005	0.0004	0.0001
310909	PI	215937	TAINAN IKU 488	Taiwan	China	1954-4-28	IND	0.0002	0.0001	0.9994	0.0002	0.0001
310910	PI	215970	TAINO 38	Taiwan	China	1954-4-28	AUS-IND-TEJ-TRJ	0.1164	0.2561	0.3080	0.3193	0.0002
310911	PI	216011	TAKAO IKU 46	Taiwan	China	1954-4-28	TEJ	0.0002	0.9894	0.0089	0.0014	0.0000
310912	PI	216016	TAKAO IKU 51	Taiwan	China	1954-4-28	IND	0.0010	0.2832	0.7154	0.0002	0.0001
310913	PI	218238	WC 2702	Afghanistan	Southern_Asia	1954-6-14	IND-TEJ-ARO	0.0070	0.2262	0.5689	0.0005	0.1974
310914	PI	220706	WC 2685	Iran	Mideast	1954-8-31	ARO	0.0003	0.0005	0.0001	0.0001	0.9990
310915	PI	222454	ZALE	Myanmar	Southeast_Asia	1954-12-2	IND	0.0003	0.0001	0.9992	0.0003	0.0000
310916	PI	223456	Berenj-i-Mahin	Afghanistan	Southern_Asia	1955-2-4	ARO	0.0016	0.0006	0.0006	0.0006	0.9967
310917	PI	223457	Berenj-i-Luk	Afghanistan	Southern_Asia	1955-2-4	ARO	0.0012	0.0004	0.0003	0.0004	0.9976
310918	PI	223482	CHACARERO F.A.	Argentina	South_America	1955-1-24	TEJ	0.1813	0.8184	0.0001	0.0001	0.0001
310919	PI	223487	VICTORIA F.A.	Argentina	South_America	1955-1-24	TEJ	0.2962	0.7035	0.0001	0.0001	0.0001
310920	PI	223489	Yamani	Argentina	South_America	1955-1-24	TEJ	0.2192	0.7789	0.0016	0.0003	0.0001
310921	PI	224655	TOMINISHIKI	Japan	North_Pacific	1955-4-8	TEJ	0.0006	0.9991	0.0001	0.0001	0.0001
310922	PI	224813	HATSUNISHIKI	Japan	North_Pacific	1955-4-20	TEJ	0.0005	0.9992	0.0001	0.0001	0.0001
310923	PI	224834	KINUGASAWASE 121	Japan	North_Pacific	1955-4-20	TEJ	0.0005	0.9992	0.0001	0.0000	0.0001
310924	PI	224888	RIKUTO NORIN 4	Japan	North_Pacific	1955-4-20	TEJ-TRJ	0.3953	0.5988	0.0021	0.0016	0.0022

310925	PI	224899	SEKIYAMA	Japan	North_Pacific	1955-4-20	TEJ	0.0025	0.9967	0.0003	0.0002	0.0002
310926	PI	225744	Arroz Portugues	Portugal	Western_Europe	1955-5-11	TEJ	0.1374	0.8622	0.0001	0.0001	0.0002
310927	PI	226155	AKATSUKI MOCHI	Japan	North_Pacific	1955-6-6	TEJ	0.0009	0.9989	0.0001	0.0000	0.0001
310928	PI	226210	Teruju	Japan	North_Pacific	1955-6-6	TEJ	0.0050	0.9945	0.0001	0.0001	0.0002
310929	PI	226216	ZENNOO	Japan	North_Pacific	1955-6-6	TEJ	0.0007	0.9991	0.0001	0.0001	0.0001
310930	PI	226217	Mubo Aikoku	Japan	North_Pacific	1955-6-6	TEJ	0.0004	0.9994	0.0001	0.0001	0.0001
310931	PI	226307	Sab Ini	Egypt	Mideast	1955-6-8	TEJ	0.0060	0.9934	0.0001	0.0002	0.0003
310932	PI	226313	17-9-4	Mexico	North_America	1955-6-10	IND	0.0321	0.0587	0.9087	0.0002	0.0003
310933	PI	226317	C1-5-5-1	Mexico	North_America	1955-6-10	IND	0.0011	0.0005	0.7034	0.2943	0.0007
310934	PI	231176	Bulgare	France	Western_Europe	1956-1-30	TEJ	0.0061	0.9935	0.0001	0.0001	0.0003
310935	PI	231641	Amaura Alef	Former Soviet Union	Eastern_Europe	1956-3-13	TEJ	0.0022	0.9949	0.0001	0.0009	0.0019
310936	PI	231642	Caucasica	Former Soviet Union	Eastern_Europe	1956-3-13	TEJ	0.0009	0.9988	0.0001	0.0000	0.0001
310937	PI	231644	Dichroa	Former Soviet Union	Eastern_Europe	1956-3-13	TEJ	0.0020	0.9972	0.0003	0.0001	0.0005
310938	PI	231647	Ianthoceros	Former Soviet Union	Eastern_Europe	1956-3-13	TEJ	0.0003	0.9986	0.0004	0.0005	0.0002
310939	PI	231651	Rubra	Former Soviet Union	Eastern_Europe	1956-3-13	TEJ	0.0008	0.9986	0.0001	0.0001	0.0005
310940	PI	215840	SHINCHIKU NO. 124	Taiwan	China	1954-4-28	TEJ	0.0005	0.9993	0.0001	0.0000	0.0001
310941	PI	233289	Peta	Indonesia	South_Pacific	1956-5-10	IND	0.0001	0.0001	0.9994	0.0001	0.0002
310942	PI	236422	LATE CALORO	Australia	Oceania	1957-1-9	TEJ	0.0005	0.9993	0.0001	0.0000	0.0001
310943	PI	238119	COLUSA 180	Australia	Oceania	1957-3-21	TEJ	0.1591	0.8407	0.0001	0.0000	0.0001
310944	PI	238492	JAPONES GIGANTE SEL M. A.	Argentina	South_America	1957-3-27	TEJ	0.0586	0.9401	0.0011	0.0001	0.0001
310945	PI	240638	*Dular	India	Southern_Asia	1957-6-10	AUS	0.0004	0.0004	0.0025	0.9964	0.0002
310946	PI	240649	AP 423	Venezuela	South_America	1957-6-10	TRJ	0.9993	0.0005	0.0001	0.0000	0.0001
310947	PI	242808	Petacon	Bolivia	South_America	1957-10-10	TRJ	0.9990	0.0004	0.0004	0.0001	0.0001
310948	PI	242810	Sin Cuero	Bolivia	South_America	1957-10-10	TRJ	0.9953	0.0036	0.0007	0.0003	0.0001
310949	PI	244727	Esperanza	Cuba	Central_America	1957-12-30	IND	0.0044	0.0004	0.7386	0.2558	0.0008
310950	PI	245071	NANTON NO. 131	Taiwan	China	1958-1-16	TRJ-TEJ-ARO	0.5715	0.2173	0.0199	0.0045	0.1868
310951	PI	245352	45B	Cuba	Central_America	1958-1-31	ARO	0.0010	0.0029	0.0035	0.0010	0.9916
310952	PI	245353	47	Cuba	Central_America	1958-1-31	TRJ	0.6778	0.0034	0.1619	0.1566	0.0003
310953	PI	247885	Palman 246	Pakistan	Southern_Asia	1958-5-9	AUS	0.0002	0.0001	0.0002	0.9992	0.0002
310954	PI	247944	Canairo	Costa Rica	Central_America	1958-5-15	TEJ	0.1725	0.8270	0.0002	0.0001	0.0002
310955	PI	247945	Cateto Branco	Costa Rica	Central_America	1958-5-15	TRJ	0.9994	0.0002	0.0002	0.0001	0.0001
310956	PI	247954	Secano	Costa Rica	Central_America	1958-5-15	TRJ	0.9993	0.0004	0.0001	0.0001	0.0001
310957	PI	248516	*AGOSTANO	Italy	Western_Europe	1958-6-6	TEJ	0.0011	0.9986	0.0001	0.0001	0.0001
310958	PI	256340	2	Afghanistan	Southern_Asia	1959-3-31	ARO	0.0016	0.0019	0.0002	0.0002	0.9960
310959	PI	256989	HR 109	India	Southern_Asia	1959-4-21	TRJ-TEJ-IND	0.3636	0.2953	0.2616	0.0781	0.0015
310960	PI	263815	100-1-1-11	Suriname	South_America	1960-3-7	TRJ-IND-AUS	0.4935	0.0007	0.3116	0.1914	0.0028
310961	PI	265107	M 2	Poland	Eastern_Europe	1960-4-27	TEJ	0.0009	0.9810	0.0056	0.0093	0.0031
310962	PI	265109	Italica Banloc	Poland	Eastern_Europe	1960-4-27	TEJ	0.0010	0.9981	0.0001	0.0002	0.0006
310963	PI	266123	Sadri Belyi	Azerbaijan	Central_Asia	1960-6-8	ARO	0.0008	0.2262	0.0001	0.0002	0.7727
310964	PI	267993	Africano	Portugal	Western_Europe	1960-9-7	TEJ	0.0011	0.9987	0.0001	0.0000	0.0001
310965	PI	268003	Vary Tarva Osla	Portugal	Western_Europe	1960-9-7	TEJ	0.2134	0.7863	0.0001	0.0001	0.0001
310966	PI	271287	Perlita Jalapa	Guatemala	Central_America	1961-1-24	TRJ	0.9986	0.0010	0.0002	0.0000	0.0002
310967	PI	271672	*TAICHUNG NATIVE 1	Taiwan	China	1961-2-10	IND	0.0001	0.0001	0.9997	0.0001	0.0000
310968	PI	271888	Kakai Korai	Hungary	Eastern_Europe	1961-2-28	TEJ	0.0040	0.9947	0.0004	0.0002	0.0007
310969	PI	274494	143-24	Korea_South	North_Pacific	1961-5-8	TEJ	0.0008	0.9990	0.0001	0.0000	0.0000
310970	PI	275429	TAICHUNG 176	Taiwan	China	1961-6-20	TEJ	0.0003	0.9993	0.0003	0.0000	0.0000
310971	PI	275442	Trionfo Fassone	Italy	Western_Europe	1961-6-20	TEJ	0.3013	0.6984	0.0002	0.0000	0.0001
310972	PI	233085	Yabani Montakhab 57	India	Southern_Asia	1956-5-1	TEJ	0.0003	0.9995	0.0001	0.0000	0.0000
310973	PI	275542	VARY LAVA 1302	Madagascar	Africa	1961-6-27	TEJ	0.3041	0.6954	0.0003	0.0001	0.0000
310974	PI	277235	TAICHUNG 122	Taiwan	China	1961-11-8	TEJ	0.0003	0.9996	0.0001	0.0000	0.0000
310975	PI	279120	Bir-Co	Taiwan	China	1962-2-5	IND	0.0081	0.0013	0.9897	0.0003	0.0007
310976	PI	279167	TAITUNG WOO TSAN	Taiwan	China	1962-2-5	IND	0.0002	0.0001	0.9995	0.0001	0.0000

310977	PI	279994	RIZZOTTO	Italy	Western_Europe	1962-3-28	TEJ	0.2364	0.7628	0.0006	0.0001	0.0001
310978	PI	280003	WC 4197	Italy	Western_Europe	1962-3-28	TEJ	0.0990	0.9008	0.0001	0.0000	0.0001
310979	PI	280674	Chokoto	Japan	North_Pacific	1962-5-3	IND	0.0002	0.0002	0.9993	0.0002	0.0001
310980	PI	281758	Cesariot	France	Western_Europe	1962-7-5	TEJ	0.0033	0.9965	0.0001	0.0000	0.0001
310981	PI	281759	CIGALON	France	Western_Europe	1962-7-5	TEJ	0.0003	0.9995	0.0001	0.0000	0.0000
310982	PI	281790	3	Chile	South_America	1962-7-6	TEJ	0.0004	0.9993	0.0001	0.0001	0.0001
310983	PI	281792	5	Chile	South_America	1962-7-6	TEJ	0.0005	0.9992	0.0001	0.0001	0.0001
310984	PI	282173	CSORNUJ	Hungary	Eastern_Europe	1962-7-23	TEJ	0.0785	0.9193	0.0015	0.0006	0.0001
310985	PI	282188	L.K.V.R.	Hungary	Eastern_Europe	1962-7-23	TEJ	0.0015	0.9981	0.0001	0.0002	0.0001
310986	PI	282191	OMIRT 168	Hungary	Eastern_Europe	1962-7-23	TEJ	0.0006	0.9990	0.0001	0.0002	0.0001
310987	PI	282200	SZANISZLO 2	Hungary	Eastern_Europe	1962-7-23	TEJ	0.0404	0.9593	0.0001	0.0000	0.0002
310988	PI	282203	SZEGEDI SZA-KALLAS 28	Uzbekistan	Central_Asia	1962-7-23	TEJ	0.0013	0.9981	0.0001	0.0002	0.0002
310989	PI	282217	Zolotje Vszhodu	Hungary	Eastern_Europe	1962-7-23	TEJ	0.3767	0.6141	0.0052	0.0013	0.0027
310990	PI	282768	R 67	Senegal	Africa	1962-8-28	TRJ	0.9991	0.0004	0.0002	0.0002	0.0001
310991	PI	283687	PATNAI 23	Myanmar	Southeast_Asia	1962-10-5	IND-TRJ	0.4859	0.0012	0.5123	0.0005	0.0001
310992	PI	286178	PG 503	El Salvador	Central_America	1963-1-28	TRJ	0.9994	0.0004	0.0001	0.0000	0.0000
310993	PI	291426	UZ ROSZ M8	Uzbekistan	Central_Asia	1963-6-6	TEJ	0.1149	0.8845	0.0002	0.0002	0.0001
310994	PI	291442	DUNGHAN SHALI	Uzbekistan	Central_Asia	1963-6-6	TEJ	0.0012	0.9979	0.0001	0.0006	0.0002
310995	PI	291489	Cs He Jao No. 1	Hungary	Eastern_Europe	1963-6-6	TEJ	0.0830	0.9064	0.0011	0.0033	0.0062
310996	PI	291529	BELLARDONE	Hungary	Eastern_Europe	1963-6-6	TEJ	0.0004	0.9995	0.0000	0.0000	0.0000
310997	PI	291539	LUSITANO	Portugal	Western_Europe	1963-6-6	TEJ	0.0022	0.9973	0.0001	0.0001	0.0002
310998	PI	291608	WC 4443	Bolivia	South_America	1963-6-13	TRJ	0.9995	0.0002	0.0001	0.0000	0.0001
310999	PI	291658	MI MASARI	Japan	North_Pacific	1963-6-13	TEJ	0.0011	0.9986	0.0001	0.0001	0.0001
311000	PI	298955	XB-2	Australia	Oceania	1964-7-7	TEJ-TRJ	0.4066	0.5930	0.0002	0.0001	0.0001
311001	PI	298959	XB-7	Australia	Oceania	1964-7-7	TEJ-TRJ	0.4958	0.5038	0.0002	0.0001	0.0001
311002	PI	298966	1-7-24-1-2	Australia	Oceania	1964-7-7	TEJ-TRJ	0.4850	0.5147	0.0002	0.0001	0.0001
311003	PI	307579	1-4-1-2-2-4	Australia	Oceania	1965-9-2	TRJ-TEJ	0.5570	0.4427	0.0001	0.0001	0.0001
311004	PI	275449	Precosur	Argentina	South_America	1961-6-20	TEJ	0.1966	0.8031	0.0001	0.0001	0.0001
311005	PI	312631	IR 8-296-2-1	Philippines	South_Pacific	1966-3-22	IND	0.0001	0.0002	0.9996	0.0001	0.0000
311006	PI	312644	T(N) Yu 7	Taiwan	China	1966-3-22	IND	0.0034	0.0438	0.9527	0.0001	0.0001
311007	PI	312760	RPP 31-3	Philippines	South_Pacific	1966-3-22	IND	0.0070	0.0011	0.9909	0.0004	0.0006
311008	PI	312776	WC 4643	Philippines	South_Pacific	1966-3-22	IND	0.0007	0.0001	0.9990	0.0001	0.0000
311009	PI	315646	Palo Gordo A	El Salvador	Central_America	1966-6-29	TRJ	0.7969	0.2028	0.0002	0.0000	0.0001
311010	PI	315647	43-5-10	El Salvador	Central_America	1966-6-29	TRJ-IND	0.5495	0.0023	0.3923	0.0550	0.0009
311011	PI	317514	342	Madagascar	Africa	1966-11-18	TRJ	0.9989	0.0005	0.0004	0.0002	0.0001
311012	PI	319494	WC 5015	Mexico	North_America	1967-4-10	TRJ	0.9967	0.0030	0.0002	0.0001	0.0001
311013	PI	319502	COTAXTLA A66	Mexico	North_America	1967-4-10	TRJ	0.9917	0.0077	0.0004	0.0001	0.0002
311014	PI	319504	WC 5023	Mexico	North_America	1967-4-10	TRJ-IND	0.5983	0.0033	0.3971	0.0003	0.0010
311015	PI	319521	C86-13-16-Cu2-Cu1-FV1-FV5	Mexico	North_America	1967-4-10	TRJ	0.7453	0.0249	0.2295	0.0001	0.0002
311016	PI	321183	IR 238	Philippines	South_Pacific	1967-7-12	IND	0.2048	0.0046	0.7471	0.0419	0.0016
311017	PI	321336	IR 126-6-3-1	Philippines	South_Pacific	1967-7-12	TRJ	0.9244	0.0005	0.0745	0.0005	0.0001
311018	PI	325909	IR 237-20-1	Philippines	South_Pacific	1968-2-29	IND	0.3961	0.0020	0.6010	0.0007	0.0002
311019	PI	326031	Choul	Iraq	Mideast	1968-3-5	AUS	0.0014	0.0014	0.0004	0.9960	0.0009
311020	PI	326143	K1790	Afghanistan	Southern_Asia	1968-3-8	TEJ	0.0020	0.9691	0.0005	0.0004	0.0280
311021	PI	330469	RAFFAELLO	Italy	Western_Europe	1968-5-15	TEJ	0.1594	0.8402	0.0001	0.0001	0.0002
311022	PI	331504	IR 547-54-1-2	Philippines	South_Pacific	1968-7-12	IND	0.2524	0.0011	0.7416	0.0034	0.0014
311023	PI	338033	IR 497-81-3-3-2	Philippines	South_Pacific	1968-11-6	TRJ	0.8012	0.0080	0.1906	0.0002	0.0001
311024	PI	338707	RP1 332	India	Southern_Asia	1969-1-9	IND	0.0001	0.0001	0.9998	0.0001	0.0000
311025	PI	338956	IR 647-PD1-C1	Philippines	South_Pacific	1969-1-15	IND	0.3496	0.0206	0.6292	0.0003	0.0003
311026	PI	340887	Colina	Spain	Western_Europe	1969-2-18	TEJ	0.0003	0.9996	0.0001	0.0000	0.0001
311027	PI	340890	Frances	Spain	Western_Europe	1969-2-18	TEJ	0.0004	0.9982	0.0012	0.0001	0.0001
311028	PI	340891	LISO	Spain	Western_Europe	1969-2-18	TEJ	0.0004	0.9993	0.0001	0.0001	0.0001
311029	PI	340893	Matususka	Spain	Western_Europe	1969-2-18	TEJ	0.0005	0.9994	0.0001	0.0001	0.0000
311030	PI	341933	Johiku No. 314	Japan	North_Pacific	1969-4-9	TEJ	0.0004	0.9994	0.0001	0.0000	0.0000
311031	PI	342650	Flown	Dominican Republic	Central_America	1969-4-30	TRJ	0.9990	0.0008	0.0001	0.0001	0.0001

311032	PI	346441	50638	Guyana	South_America	1969-11-25	IND	0.0001	0.0002	0.9993	0.0003	0.0001
311033	PI	346821	FORTUNA CORRIENTES SEL INTA LA PLATA GUALEYAN F.A.	Argentina	South_America	1969-12-10	IND	0.0446	0.0014	0.9536	0.0001	0.0002
311034	PI	346823	H61-10-1	Argentina	South_America	1969-12-10	TRJ-TEJ	0.5342	0.4655	0.0002	0.0001	0.0001
311035	PI	346830	IR 3-122-1-1	Philippines	South_Pacific	1966-3-22	IND	0.0383	0.0004	0.9608	0.0004	0.0000
311037	PI	346859	H75-23-1	Argentina	South_America	1969-12-10	TRJ-TEJ	0.5981	0.4016	0.0001	0.0001	0.0001
311038	PI	346932	KUBAN 3	Russian Federation	Eastern_Europe	1969-12-24	TEJ	0.0008	0.9988	0.0001	0.0001	0.0002
311039	PI	348844	IR 1321-19	Philippines	South_Pacific	1970-3-6	TEJ	0.0008	0.7433	0.2557	0.0001	0.0001
311040	PI	348910	Ambarby White	Azerbaijan	Central_Asia	1918-3-5	ARO	0.0030	0.2621	0.0002	0.0003	0.7344
311041	PI	348912	ALAKULIAN	Kazakhstan	Central_Asia	1918-3-5	TEJ	0.0008	0.9988	0.0001	0.0002	0.0001
311042	PI	350338	IR 1314-28-1-2	Philippines	South_Pacific	1970-5-12	TEJ-IND	0.0004	0.5978	0.4017	0.0001	0.0001
311043	PI	350621	KC 16-2-5	Philippines	South_Pacific	1970-5-12	TEJ	0.1252	0.8710	0.0036	0.0001	0.0001
311044	PI	350664	IR 773A1-36-2-1-3	Philippines	South_Pacific	1970-5-12	IND	0.0178	0.0011	0.9726	0.0033	0.0052
311045	PI	353636	IARI 5753B	India	Southern_Asia	1970-5-4	IND-AUS	0.0001	0.0001	0.5115	0.4880	0.0002
311046	PI	353722	IARI 6621	India	Southern_Asia	1970-5-4	AUS	0.0012	0.0186	0.0823	0.8978	0.0001
311047	PI	353771	IARI 10376	India	Southern_Asia	1970-5-4	IND	0.0002	0.0003	0.9971	0.0023	0.0001
311048	PI	366346	IR 1561-106-5	Philippines	South_Pacific	1971-6-1	IND	0.0002	0.0004	0.9985	0.0008	0.0001
311049	PI	369804	Blakka Tere Thelma	Suriname	South_America	1972-2-1	TRJ	0.9948	0.0037	0.0004	0.0001	0.0011
311050	PI	369808	Guatakka	Suriname	South_America	1972-2-1	IND	0.3448	0.0360	0.6185	0.0004	0.0003
311051	PI	369809	Jinge Jinge zwp	Suriname	South_America	1972-2-1	IND	0.0002	0.0002	0.9994	0.0001	0.0000
311052	PI	369813	Samanis	Suriname	South_America	1972-2-1	ARO-IND	0.0011	0.0004	0.4607	0.0006	0.5372
311053	PI	369815	Wittie Sakka	Suriname	South_America	1972-2-1	IND	0.1319	0.1962	0.6713	0.0003	0.0002
311054	PI	370748	Naylamp	Peru	South_America	1972-3-7	IND	0.0002	0.0001	0.9996	0.0001	0.0000
311055	PI	371600	KAKAI 162	Hungary	Eastern_Europe	1972-3-14	TEJ	0.0031	0.9966	0.0001	0.0001	0.0001
311056	PI	372041	P859-17-14-B	Colombia	South_America	1972-4-11	IND	0.0590	0.0511	0.8892	0.0005	0.0002
311057	PI	372765	Murni	Malaysia	South_Pacific	1972-5-30	TRJ	0.9985	0.0004	0.0005	0.0005	0.0001
311058	PI	373014	1-39-3-1-3	Iran	Mideast	1972-3-27	TRJ	0.9992	0.0004	0.0002	0.0001	0.0001
311059	PI	373097	IR 1103-49-4-1-3-3-2	Philippines	South_Pacific	1972-3-27	TRJ	0.9979	0.0015	0.0003	0.0001	0.0002
311060	PI	373121	Hal Suduwi	Sri Lanka	Southern_Asia	1972-3-27	IND	0.0003	0.0016	0.7190	0.2790	0.0001
311061	PI	373160	Siryan	Philippines	South_Pacific	1972-3-27	IND	0.0001	0.0001	0.9932	0.0064	0.0003
311062	PI	373237	Khao Meuay	Laos	Southeast_Asia	1972-3-27	AUS	0.0002	0.0001	0.0025	0.9969	0.0002
311063	PI	373238	Mack Khoune	Laos	Southeast_Asia	1972-3-27	TRJ-TEJ-ARO	0.4056	0.3410	0.0142	0.0011	0.2380
311064	PI	373241	Khao Pick	Laos	Southeast_Asia	1972-3-27	IND	0.0002	0.0005	0.8508	0.1480	0.0004
311065	PI	373263	A6-10-37	Sri Lanka	Southern_Asia	1972-3-27	IND	0.0667	0.0011	0.9286	0.0009	0.0026
311066	PI	373283	Kh. Mack Fay	Laos	Southeast_Asia	1972-3-27	IND	0.0001	0.0001	0.9996	0.0001	0.0001
311067	PI	373295	Kh. Samdeuane	Laos	Southeast_Asia	1972-3-27	TRJ-TEJ	0.4936	0.3646	0.0129	0.0008	0.1281
311068	PI	346838	H64-9-1	Argentina	South_America	1969-12-10	TRJ	0.6677	0.3319	0.0002	0.0001	0.0001
311069	PI	373701	Lay Sort	Laos	Southeast_Asia	1972-3-27	TRJ	0.9945	0.0051	0.0002	0.0001	0.0002
311070	PI	373716	Med Noi	Laos	Southeast_Asia	1972-3-27	ARO	0.0017	0.0003	0.0006	0.0009	0.9965
311071	PI	373742	Y Kome	Laos	Southeast_Asia	1972-3-27	IND	0.0002	0.0004	0.9988	0.0005	0.0001
311072	PI	373763	FATEHPUR 4	Pakistan	Southern_Asia	1972-3-27	ARO	0.0013	0.0003	0.0005	0.0045	0.9934
311073	PI	373784	Tukan Tuna	Indonesia	Oceania	1972-3-27	IND	0.0001	0.0001	0.9998	0.0000	0.0000
311074	PI	373786	Mitak	Indonesia	Oceania	1972-3-27	TRJ	0.8148	0.0997	0.0063	0.0002	0.0790
311075	PI	373803	Padi Gabukon	Malaysia	South_Pacific	1972-3-27	IND	0.3114	0.0148	0.6735	0.0002	0.0001
311076	PI	373896	Sesilla	Bulgaria	Eastern_Europe	1972-3-27	IND	0.0002	0.0009	0.9983	0.0006	0.0001
311077	PI	373898	Uspeh	Bulgaria	Eastern_Europe	1972-3-27	TEJ	0.0004	0.9995	0.0001	0.0000	0.0000
311078	PI	373939	Gazan	Afghanistan	Southern_Asia	1972-7-3	TEJ	0.0020	0.6419	0.0002	0.0003	0.3556
311079	PI	373942	Qumanani	Afghanistan	Southern_Asia	1972-7-3	ARO	0.0006	0.0012	0.0002	0.0001	0.9979
311080	PI	376718	YRL-1	Australia	Oceania	1972-7-13	TEJ-TRJ	0.4356	0.5191	0.0425	0.0024	0.0003
311081	PI	376734	IR 1670-85-3-B	Philippines	South_Pacific	1972-7-13	IND	0.0004	0.3426	0.6563	0.0001	0.0005
311082	PI	385462	Hansraj	Pakistan	Southern_Asia	1974-2-20	ARO	0.0022	0.0006	0.0008	0.0717	0.9247
311083	PI	385571	Begum	Pakistan	Southern_Asia	1974-2-20	AUS	0.0003	0.0001	0.0002	0.9993	0.0001
311084	PI	385620	Mabla	Pakistan	Southern_Asia	1974-2-20	AUS	0.0002	0.0002	0.0006	0.9989	0.0002
311085	PI	385693	P 32	India	Southern_Asia	1974-2-20	AUS	0.0214	0.0015	0.0015	0.9350	0.0406
311086	PI	385772	Ratura Mushkan	Pakistan	Southern_Asia	1974-2-20	ARO	0.0013	0.0036	0.0002	0.0010	0.9938

311087	PI	385821	Ziri Palman	Pakistan	Southern_Asia	1974-2-20	AUS	0.0002	0.0002	0.0002	0.9993	0.0001
311088	PI	385844	Sathra 4	Pakistan	Southern_Asia	1974-2-20	AUS	0.0002	0.0001	0.0002	0.9994	0.0001
311089	PI	388274	ARBORIO	Italy	Western_Europe	1974-3-5	TEJ	0.0174	0.9824	0.0001	0.0000	0.0001
311090	PI	388282	Cheng Kin Sen Ko	China	China	1974-3-5	IND	0.0010	0.0013	0.9964	0.0010	0.0002
311091	PI	388297	2868	Brazil	South_America	1974-3-5	AUS	0.0013	0.0002	0.0003	0.9981	0.0002
311092	PI	388307	BC 1-1-1	United States	North_America	1974-3-5	TEJ-TRJ	0.4592	0.5405	0.0001	0.0000	0.0001
311093	PI	388400	GPNO 29157	China	China	1974-3-5	IND	0.0060	0.0047	0.9886	0.0002	0.0005
311094	PI	388435	Dae Ku	Korea	North_Pacific	1974-3-5	TEJ-TRJ	0.4598	0.5312	0.0024	0.0018	0.0047
311095	PI	388439	Ean No. 4	Portugal	Western_Europe	1974-3-5	TEJ	0.0004	0.9994	0.0001	0.0001	0.0001
311096	PI	388471	Hae Zo	Korea	North_Pacific	1974-3-5	IND	0.0002	0.0001	0.9995	0.0002	0.0001
311097	PI	388484	Indo Yiaia Lonica	Portugal	Western_Europe	1974-3-5	IND	0.0001	0.0001	0.9998	0.0001	0.0000
311098	PI	388490	Kwan Tone Zo Saeng No. 20	Korea	North_Pacific	1974-3-5	IND	0.0006	0.0007	0.9980	0.0003	0.0004
311099	PI	388495	Ku Mun Do No. 84	Korea	North_Pacific	1974-3-5	TRJ	0.9960	0.0038	0.0001	0.0000	0.0001
311100	PI	373403	ARC 6578	India	Southern_Asia	1972-3-27	AUS	0.0030	0.0039	0.0166	0.9759	0.0007
311101	PI	388554	Paraiba Chines Nova	Brazil	South_America	1974-3-5	IND	0.0002	0.0002	0.9989	0.0007	0.0001
311102	PI	388561	Roque HP	Brazil	South_America	1974-3-5	TEJ-TRJ	0.4498	0.5497	0.0002	0.0001	0.0002
311103	PI	388563	Sezia Uruguai	Uruguay	South_America	1974-3-5	TRJ	0.7305	0.2692	0.0002	0.0000	0.0001
311104	PI	388612	EEA 406	Brazil	South_America	1974-3-5	TRJ	0.8002	0.1990	0.0006	0.0002	0.0001
311105	PI	389069	Hsin Hsing Pai Ku	Taiwan	China	1974-9-1	IND	0.0005	0.0004	0.9974	0.0016	0.0002
311106	PI	389141	O Tre	Vietnam	Southeast_Asia	1974-9-1	IND	0.0004	0.0001	0.9926	0.0061	0.0007
311107	PI	389227	Giau Nghe 558	Vietnam	Southeast_Asia	1974-9-1	IND	0.0005	0.0003	0.9980	0.0008	0.0005
311108	PI	389251	Gie No. 1	Vietnam	Southeast_Asia	1974-9-1	IND	0.0607	0.0076	0.9192	0.0053	0.0073
311109	PI	389380	Shoa Ga Dau	China	China	1974-9-1	IND	0.0009	0.0002	0.9958	0.0030	0.0002
311110	PI	389774	Hunan Yochow Zone	China	China	1974-9-1	IND	0.0006	0.0004	0.9982	0.0008	0.0001
311111	PI	389863	99216	India	Southern_Asia	1974-9-1	AUS	0.0003	0.0002	0.0011	0.9983	0.0001
311112	PI	389920	Far Yu Jien	Hong Kong	China	1974-9-1	IND	0.0001	0.0002	0.9983	0.0013	0.0001
311113	PI	389923	Shui Ya Jien	Hong Kong	China	1974-9-1	IND	0.0002	0.0011	0.9964	0.0014	0.0009
311114	PI	389924	CHAI MEI	Hong Kong	China	1974-9-1	IND	0.0073	0.0016	0.9901	0.0004	0.0005
311115	PI	389927	Pai Hok Glutinous	Hong Kong	China	1974-9-1	IND	0.0007	0.0371	0.9618	0.0002	0.0001
311116	PI	389930	Lek Slek	Cambodia	Southeast_Asia	1974-9-1	IND	0.0020	0.0007	0.9971	0.0001	0.0001
311117	PI	389933	Tranoeup Beykher	Cambodia	Southeast_Asia	1974-9-1	IND	0.0004	0.0003	0.9951	0.0041	0.0002
311118	PI	390165	CADUNG KET	Vietnam	Southeast_Asia	1974-9-1	IND	0.0020	0.0015	0.8611	0.1338	0.0016
311119	PI	390176	Ba Tuc	Vietnam	Southeast_Asia	1974-9-1	TEJ	0.0004	0.9994	0.0001	0.0000	0.0000
311120	PI	390179	Cuc Cao Trang	Vietnam	Southeast_Asia	1974-9-1	IND	0.0001	0.0001	0.9996	0.0002	0.0001
311121	PI	390981	SRI MALAYSIA DUA	Malaysia	South_Pacific	1974-8-25	TEJ	0.0004	0.9994	0.0001	0.0001	0.0000
311122	PI	391209	Zwang Zo 46	Taiwan	China	1974-11-20	TRJ	0.9522	0.0473	0.0003	0.0001	0.0001
311123	PI	391214	10340	Italy	Western_Europe	1974-11-20	IND	0.0004	0.0003	0.9990	0.0002	0.0001
311124	PI	391215	3557	Puerto Rico	Central_America	1974-11-20	IND	0.0021	0.0008	0.9963	0.0007	0.0001
311125	PI	391217	4105	Iran	Mideast	1974-11-20	ARO	0.0005	0.0005	0.0001	0.0001	0.9988
311126	PI	391224	Yin Chan	Taiwan	China	1974-11-20	IND	0.0004	0.0009	0.9983	0.0003	0.0001
311127	PI	391230	Espinho 15	Brazil	South_America	1974-11-20	TRJ	0.9987	0.0006	0.0002	0.0000	0.0004
311128	PI	391234	AGULHA AMA- RELO	Brazil	South_America	1974-11-20	TRJ	0.9994	0.0004	0.0001	0.0001	0.0000
311129	PI	391254	H 25-36	Argentina	South_America	1974-11-20	IND	0.0019	0.0008	0.9971	0.0001	0.0002
311130	PI	391364	JIRASAR 280	India	Southern_Asia	1974-11-20	TEJ	0.0006	0.9988	0.0001	0.0003	0.0002
311131	PI	388520	Nao Traduzido No. 5	Brazil	South_America	1974-3-5	TEJ	0.2983	0.7014	0.0001	0.0001	0.0001
311132	PI	392086	CHONTALPA 437	Mexico	North_America	1974-12-31	IND	0.0051	0.0006	0.9940	0.0003	0.0000
311133	PI	392093	SINAOLAO A68-19C	Mexico	North_America	1974-12-31	IND	0.0003	0.0006	0.9989	0.0001	0.0002
311134	PI	392121	Sathi Basmati	Pakistan	Southern_Asia	1974-12-15	ARO	0.0011	0.0002	0.0011	0.0028	0.9948
311135	PI	392195	Kangni Type	Pakistan	Southern_Asia	1974-12-15	AUS	0.0002	0.0001	0.0003	0.9993	0.0001
311136	PI	392211	Coarse	Pakistan	Southern_Asia	1974-12-15	IND	0.0013	0.0015	0.6825	0.3145	0.0003
311137	PI	392225	Sugdasi Gharho	Pakistan	Southern_Asia	1974-12-15	ARO	0.0031	0.0007	0.0014	0.2160	0.7788
311138	PI	392545	Tono 112	Sierra Leone	Africa	1975-2-3	TEJ	0.0019	0.9978	0.0002	0.0001	0.0000
311139	PI	392563	PHCAR TIEN	Cambodia	Southeast_Asia	1975-2-3	TEJ	0.0003	0.9996	0.0000	0.0000	0.0000
311140	PI	392605	AKP 4	India	Southern_Asia	1975-2-3	IND	0.0082	0.0051	0.9782	0.0068	0.0017
311141	PI	392637	SORNAVARI	Mali	Africa	1975-2-3	AUS	0.0006	0.0002	0.0004	0.9987	0.0001

311142	PI	392649	PEROLA	Brazil	South_America	1975-2-3	TEJ	0.0025	0.9972	0.0003	0.0000	0.0000
311143	PI	392658	Bhadoia 684	Bangladesh	Southern_Asia	1975-2-3	TEJ	0.0044	0.9782	0.0001	0.0036	0.0137
311144	PI	392705	RADIN EBOS 33	Malaysia	South_Pacific	1975-2-3	IND	0.0005	0.0003	0.9986	0.0004	0.0002
311145	PI	392715	EMATA PIN-DOGALLE	Myanmar	Southeast_Asia	1975-2-3	TRJ-IND-TEJ	0.5520	0.2073	0.2103	0.0004	0.0301
311146	PI	392718	SITPWA	Myanmar	Southeast_Asia	1975-2-3	TEJ	0.0002	0.9996	0.0001	0.0000	0.0000
311147	PI	392725	221/BC IV/1/178/3	Indonesia	Oceania	1975-2-3	TEJ	0.0004	0.9995	0.0001	0.0000	0.0000
311148	PI	392804	56-122-23	Thailand	Southeast_Asia	1975-2-3	TEJ	0.0005	0.9993	0.0001	0.0000	0.0001
311149	PI	392862	Bir 37 Thou Dau	China	China	1975-2-3	IND	0.0037	0.0818	0.9120	0.0008	0.0018
311150	PI	392883	Five Months	Guyana	South_America	1975-2-3	TRJ	0.9993	0.0005	0.0001	0.0000	0.0000
311151	PI	393070	TD 70	Thailand	Southeast_Asia	1975-2-3	IND	0.0034	0.0004	0.9945	0.0015	0.0003
311152	PI	393181	Rani	Fiji	Oceania	1975-2-3	IND	0.0003	0.0011	0.9984	0.0001	0.0001
311153	PI	399748	IR 2061-214-2-3	Philippines	South_Pacific	1975-5-7	IND	0.0003	0.0003	0.9985	0.0002	0.0008
311154	PI	399768	IR 2151-598-3-5	Philippines	South_Pacific	1975-5-7	IND	0.0014	0.0015	0.9968	0.0002	0.0001
311155	PI	400021	Jumula 2	Nepal	Southern_Asia	1975-5-7	IND	0.0001	0.0002	0.9994	0.0002	0.0001
311156	PI	400063	KRASNODAR 424	Russian Federation	Eastern_Europe	1975-5-7	TEJ	0.0011	0.9983	0.0001	0.0003	0.0002
311157	PI	400064	L-2270	Romania	Eastern_Europe	1975-5-7	TEJ	0.0007	0.9989	0.0002	0.0001	0.0002
311158	PI	400068	L-III-122	Romania	Eastern_Europe	1975-5-7	TEJ	0.0641	0.9350	0.0001	0.0002	0.0006
311159	PI	400072	L-IV-34	Romania	Eastern_Europe	1975-5-7	TEJ	0.0008	0.9988	0.0001	0.0001	0.0001
311160	PI	400096	SML KAPURI	Suriname	South_America	1975-5-7	TEJ	0.1606	0.8389	0.0001	0.0001	0.0003
311161	PI	391847	BRITISH GUIANA 79	Guyana	South_America	1974-11-27	IND	0.0030	0.0025	0.7691	0.2250	0.0004
311162	PI	400127	60-283	Guyana	South_America	1975-5-7	IND	0.0004	0.0003	0.9992	0.0001	0.0001
311163	PI	400473	Chuan Chu Tan Dau Bir	China	China	1975-6-3	IND	0.0003	0.0008	0.9982	0.0002	0.0004
311164	PI	400492	Chin Chin Goo	China	China	1975-6-3	IND	0.0004	0.0003	0.9989	0.0004	0.0001
311165	PI	400581	Man Taro Mai	Japan	North_Pacific	1975-6-3	TEJ	0.0023	0.7904	0.2069	0.0003	0.0001
311166	PI	400589	Bulu Pote	Indonesia	Oceania	1975-6-3	TEJ	0.0004	0.9995	0.0001	0.0000	0.0001
311167	PI	400607	TAINUNG 45	Taiwan	China	1975-6-3	IND	0.0107	0.0081	0.9801	0.0003	0.0007
311168	PI	400675	IR 9-60	Philippines	South_Pacific	1975-6-3	IND	0.0001	0.0001	0.9996	0.0001	0.0000
311169	PI	400678	Nilo 2	Suriname	South_America	1975-6-3	TRJ-IND	0.4956	0.0018	0.4993	0.0022	0.0012
311170	PI	400708	GPNO 23386	Taiwan	China	1975-6-3	TEJ	0.0004	0.7583	0.2411	0.0001	0.0001
311171	PI	400720	Ranga Khavli	Indonesia	Oceania	1975-6-3	ARO	0.0006	0.0006	0.0007	0.0036	0.9943
311172	PI	400738	SML APURA	Suriname	South_America	1975-6-3	IND	0.2271	0.0068	0.7538	0.0116	0.0008
311173	PI	400771	Manga 629	Madagascar	Africa	1975-6-3	IND-AUS	0.0085	0.0016	0.5916	0.3982	0.0001
311174	PI	400773	Vary Vato 275	Madagascar	Africa	1975-6-3	AUS	0.0001	0.0001	0.0006	0.9991	0.0001
311175	PI	400776	Tsilaitranakoho 706	Madagascar	Africa	1975-6-3	TRJ-AUS-IND	0.3654	0.0009	0.3109	0.3226	0.0003
311176	PI	400784	Pai K'o Hua Lon Toucheng	Taiwan	China	1975-6-3	IND	0.0001	0.0001	0.9997	0.0001	0.0000
311177	PI	401452	SUNG LIAO 2	China	China	1975-6-10	TEJ	0.0004	0.9993	0.0001	0.0001	0.0001
311178	PI	401458	29 LU 1	China	China	1975-6-10	IND	0.0002	0.0001	0.9996	0.0001	0.0000
311179	PI	402527	ACORNI	Suriname	South_America	1975-6-19	IND	0.2767	0.0057	0.6423	0.0650	0.0103
311180	PI	402673	Sapundali Local	India	Southern_Asia	1975-8-4	IND-AUS	0.0008	0.0022	0.5719	0.4189	0.0062
311181	PI	402689	Tauli	Nepal	Southern_Asia	1975-8-4	AUS	0.0002	0.0001	0.0005	0.9991	0.0001
311182	PI	402702	560A	Mali	Africa	1975-8-4	IND	0.0003	0.0005	0.9983	0.0007	0.0002
311183	PI	402705	WC 5730	Thailand	Southeast_Asia	1975-8-4	TRJ	0.9994	0.0004	0.0001	0.0000	0.0001
311184	PI	402752	Bang Tuey	Thailand	Southeast_Asia	1975-8-4	IND	0.0002	0.0003	0.9987	0.0006	0.0002
311185	PI	402794	Bombon	Spain	Western_Europe	1975-8-4	TEJ	0.2877	0.7101	0.0008	0.0001	0.0013
311186	PI	402860	CA 902/8/2/2	Chad	Africa	1975-8-4	TRJ	0.9987	0.0009	0.0002	0.0001	0.0001
311187	PI	402914	Cristal de Angola	Brazil	South_America	1975-8-4	IND	0.0014	0.0003	0.9980	0.0003	0.0001
311188	PI	402983	Dara	Indonesia	South_Pacific	1975-8-4	AUS	0.0008	0.0007	0.0006	0.9978	0.0001
311189	PI	403011	DD 62	Bangladesh	Southern_Asia	1975-8-4	AUS	0.0033	0.0005	0.3320	0.6639	0.0003
311190	PI	403241	Doble Carolina Rinaldo Barsani	Uruguay	South_America	1975-8-4	TEJ	0.0179	0.9818	0.0001	0.0001	0.0001
311191	PI	403306	DV 123	Bangladesh	Southern_Asia	1975-8-4	AUS	0.0001	0.0002	0.0003	0.9993	0.0001
311192	PI	403369	D 6-2-2	India	Southern_Asia	1975-8-4	IND	0.0028	0.0007	0.7496	0.2467	0.0002
311193	PI	403391	Java Long Grain	Indonesia	South_Pacific	1975-8-4	AUS	0.0002	0.0002	0.0007	0.9989	0.0001
311194	PI	403418	GIONG CHIEM 351	Vietnam	Southeast_Asia	1975-8-4	IND	0.0164	0.0005	0.9801	0.0006	0.0023
311195	PI	403425	GOIANA 465	Brazil	South_America	1975-8-4	TRJ	0.9983	0.0014	0.0001	0.0000	0.0001

311196	PI	403466	SHINRIKI 11	Japan	North_Pacific	1975-8-4	TEJ	0.0007	0.9941	0.0051	0.0000	0.0001
311197	PI	403521	IAC 9	Brazil	South_America	1975-8-4	TRJ	0.9993	0.0003	0.0001	0.0001	0.0002
311198	PI	403546	WC 6570	Spain	Western_Europe	1975-8-4	TEJ	0.3024	0.6974	0.0001	0.0001	0.0001
311199	PI	403596	Jhona 5715	Pakistan	Southern_Asia	1975-8-4	AUS	0.0002	0.0002	0.0002	0.9992	0.0001
311200	PI	403627	KALILA 50	Madagascar	Africa	1975-8-4	TRJ	0.9982	0.0014	0.0003	0.0001	0.0001
311201	PI	403640	KARATALSKIJ 86	Kazakhstan	Central_Asia	1975-8-4	TEJ	0.0012	0.9984	0.0001	0.0000	0.0002
311202	PI	403943	REIHO	Japan	North_Pacific	1975-9-5	IND	0.1190	0.0009	0.8787	0.0011	0.0004
311203	PI	404086	02.00.14	Japan	North_Pacific	1975-9-10	IND	0.0002	0.0001	0.9995	0.0001	0.0000
311204	PI	406035	CA 902/b/2/2	Chad	Africa	1975-11-13	TRJ	0.9959	0.0007	0.0020	0.0004	0.0010
311205	PI	406041	CTG 1516	Bangladesh	Southern_Asia	1975-11-13	AUS	0.0001	0.0001	0.0005	0.9993	0.0001
311206	PI	406073	79	Guyana	South_America	1975-11-13	ARO	0.0003	0.0003	0.0001	0.0002	0.9990
311207	PI	406074	NP 97	India	Southern_Asia	1975-11-13	AUS	0.0001	0.0001	0.0004	0.9993	0.0001
311208	PI	408365	BR51-114-2	Bangladesh	Southern_Asia	1975-12-1	IND	0.0010	0.0003	0.9937	0.0048	0.0001
311209	PI	408375	X69-56-12-19-6-3	Myanmar	Southeast_Asia	1975-12-1	IND	0.0024	0.0009	0.9961	0.0004	0.0002
311210	PI	408473	IR 2151-745-3-1	Philippines	South_Pacific	1975-6-1	IND	0.0388	0.0095	0.9509	0.0006	0.0002
311211	PI	408559	BW 191	Sri Lanka	Southern_Asia	1975-5-1	IND	0.0130	0.0007	0.9737	0.0115	0.0011
311212	PI	408563	BKN 6323-17	Thailand	Southeast_Asia	1975-12-1	IND	0.0000	0.0001	0.9995	0.0003	0.0000
311213	PI	408591	BIPLAB	Bangladesh	Southern_Asia	1975-6-1	IND	0.0001	0.0003	0.9993	0.0003	0.0000
311214	PI	408642	IR 1514A-E597	Philippines	South_Pacific	1975-12-1	IND	0.0016	0.0014	0.9966	0.0004	0.0000
311215	PI	408673	KLG 6986-161-7	Thailand	Southeast_Asia	1975-12-1	IND	0.0012	0.0010	0.9972	0.0005	0.0001
311216	PI	412772	*BASMATI 802	Pakistan	Southern_Asia	1976-6-30	ARO	0.0005	0.0004	0.0009	0.3270	0.6712
311217	PI	412800	Sella Manzkhora	Pakistan	Southern_Asia	1976-6-30	IND	0.0588	0.0186	0.9173	0.0004	0.0048
311218	PI	412902	Mushkan	Pakistan	Southern_Asia	1976-6-30	ARO	0.0006	0.0005	0.0005	0.0020	0.9964
311219	PI	412914	SUWEON 258	Korea_South	North_Pacific	1976-7-20	IND	0.0006	0.1113	0.8879	0.0001	0.0001
311220	PI	413734	YR 44	Australia	Oceania	1976-7-19	TRJ	0.9895	0.0056	0.0002	0.0001	0.0046
311221	PI	413818	CHINA 1039-3 DWARF MUTANT	Philippines	South_Pacific	1976-11-10	IND	0.0005	0.0005	0.9988	0.0002	0.0001
311222	PI	413890	AGAMI MONT 1	Egypt	Mideast	1976-11-10	TEJ	0.1950	0.8047	0.0001	0.0001	0.0001
311223	PI	413929	KN-1 B-361-BLK-2	Indonesia	South_Pacific	1976-11-10	IND	0.0002	0.0002	0.9995	0.0001	0.0000
311224	PI	414239	Colombia 2	Colombia	South_America	1976-12-13	TRJ-IND-TEJ	0.5823	0.1938	0.2007	0.0003	0.0229
311225	PI	414682	SLO 17	India	Southern_Asia	1977-2-2	IND	0.0002	0.0005	0.9918	0.0073	0.0001
311226	PI	415656	BALDO	Italy	Western_Europe	1977-4-25	TEJ	0.1082	0.8915	0.0001	0.0001	0.0001
311227	PI	415664	Sari Celtik	Turkey	Mideast	1977-4-25	TEJ	0.0060	0.9937	0.0001	0.0000	0.0001
311228	PI	415673	Galaxia	Puerto Rico	Central_America	1977-4-21	TRJ	0.9993	0.0004	0.0001	0.0000	0.0001
311229	PI	415674	Gema	Puerto Rico	Central_America	1977-4-21	TEJ-TRJ	0.4502	0.5351	0.0141	0.0005	0.0002
311230	PI	415675	Girona	Puerto Rico	Central_America	1977-4-21	TEJ	0.0054	0.9945	0.0001	0.0000	0.0000
311231	PI	415723	KAOHSIUNG 136	Taiwan	China	1977-4-15	TEJ	0.0005	0.9993	0.0001	0.0000	0.0001
311232	PI	415761	TAITUNG YU 303	Taiwan	China	1977-4-15	TEJ	0.0011	0.9649	0.0337	0.0002	0.0001
311233	PI	415773	TUNGLU YU 286	Taiwan	China	1977-4-15	TEJ	0.3586	0.6405	0.0004	0.0001	0.0004
311234	PI	415775	Wan Li Hsien	Taiwan	China	1977-4-15	IND	0.0002	0.0001	0.9986	0.0009	0.0002
311235	PI	415784	LAC 23	Liberia	Africa	1977-5-23	TRJ	0.9986	0.0011	0.0002	0.0001	0.0001
311236	PI	417820	B805D-MR-16-8-3	Indonesia	South_Pacific	1977-6-7	IND	0.0004	0.0003	0.9107	0.0010	0.0876
311237	PI	417833	BW248-1	Sri Lanka	Southern_Asia	1977-6-7	IND	0.0003	0.0116	0.9872	0.0005	0.0003
311238	PI	418205	Chen Chu Ai	Sierra Leone	Africa	1977-7-15	IND	0.0001	0.0002	0.9995	0.0001	0.0000
311239	PI	419447	Pratao Tipo Guedes	Brazil	South_America	1977-8-7	TRJ	0.9991	0.0007	0.0001	0.0000	0.0001
311240	PI	420143	Llanero 501	Venezuela	South_America	1977-10-18	TRJ	0.8615	0.0005	0.0001	0.0001	0.1378
311241	PI	420193	Cabrerita	Dominican Republic	Central_America	1977-9-12	IND	0.0004	0.0002	0.9992	0.0001	0.0001
311242	PI	420195	Marole	Dominican Republic	Central_America	1977-9-12	IND	0.0003	0.0002	0.9993	0.0003	0.0000
311243	PI	420954	Camponi SML	Suriname	South_America	1977-12-14	IND	0.1815	0.0015	0.8143	0.0017	0.0010
311244	PI	420961	INTI	Peru	South_America	1977-12-14	IND	0.0043	0.0073	0.9712	0.0015	0.0157
311245	PI	420968	Col. 10694	Turkey	Mideast	1977-11-30	TEJ	0.0207	0.8401	0.0001	0.0002	0.1388
311246	PI	420983	Thapachini	Nepal	Southern_Asia	1977-11-30	TEJ-TRJ	0.4823	0.5173	0.0001	0.0001	0.0002
311247	PI	429770	STIRPE	Brazil	South_America	1978-9-25	TEJ	0.1176	0.8822	0.0001	0.0000	0.0001
311248	PI	430251	Mingolo	Dominican Republic	Central_America	1978-11-15	IND	0.0002	0.0003	0.9916	0.0076	0.0003
311249	PI	430254	TONO BREA 439	Dominican Republic	Central_America	1978-11-15	IND	0.0001	0.0002	0.9995	0.0001	0.0001

311250	PI	430321	Priano Guaira	Brazil	South_America	1978-11-30	TRJ	0.9990	0.0007	0.0002	0.0000	0.0001
311251	PI	430323	CICA 4	Colombia	South_America	1978-11-30	IND	0.0001	0.0001	0.9998	0.0001	0.0000
311252	PI	430334	AJRAL	Fiji	Oceania	1978-11-30	IND	0.0004	0.0005	0.9988	0.0002	0.0001
311253	PI	430336	BILO	Fiji	Oceania	1978-11-30	IND	0.0002	0.0002	0.9994	0.0002	0.0000
311254	PI	430337	Boldgrain	Fiji	Oceania	1978-11-30	IND	0.0007	0.0003	0.9981	0.0008	0.0001
311255	PI	430339	Saraya	Fiji	Oceania	1978-11-30	AUS	0.0001	0.0011	0.0002	0.9986	0.0000
311256	PI	430384	BAMANGBA II	Zaire	Africa	1978-12-4	TRJ	0.9504	0.0482	0.0002	0.0004	0.0007
311257	PI	430385	Basala Baatka S-R	Zaire	Africa	1978-12-4	TRJ	0.9990	0.0006	0.0002	0.0001	0.0001
311258	PI	430387	Botika S/R	Zaire	Africa	1978-12-4	TRJ	0.9981	0.0013	0.0002	0.0001	0.0002
311259	PI	430388	Goli	Zaire	Africa	1978-12-4	TRJ	0.9988	0.0006	0.0003	0.0001	0.0001
311260	PI	430395	Mbiyo	Zaire	Africa	1978-12-4	TRJ	0.6825	0.2443	0.0560	0.0035	0.0137
311261	PI	430401	OS 16	Zaire	Africa	1978-12-4	TRJ	0.9991	0.0006	0.0001	0.0001	0.0001
311262	PI	430409	R 46/3	Zaire	Africa	1978-12-4	TRJ	0.9413	0.0583	0.0003	0.0001	0.0001
311263	PI	430441	R 101	Zaire	Africa	1978-12-4	TRJ	0.9917	0.0079	0.0002	0.0001	0.0001
311264	PI	430443	Sechele	Zaire	Africa	1978-12-4	TRJ	0.9912	0.0084	0.0001	0.0001	0.0002
311265	PI	430447	Zumbulu	Zaire	Africa	1978-12-4	TRJ	0.7484	0.1827	0.0685	0.0003	0.0002
311266	PI	430740	CO 13	India	Southern_Asia	1978-12-29	IND	0.0006	0.0005	0.7872	0.2116	0.0002
311267	PI	430915	Jan-38	Pakistan	Southern_Asia	1978-12-29	AUS	0.0001	0.0002	0.0004	0.9989	0.0004
311268	PI	430976	Shim Balte	Iraq	Mideast	1978-12-29	AUS	0.0001	0.0003	0.0003	0.9990	0.0002
311269	PI	430979	Shimla Early	Iraq	Mideast	1978-12-29	IND-AUS	0.0022	0.0324	0.5955	0.3698	0.0001
311270	PI	430991	Bara Peshanari	Pakistan	Southern_Asia	1978-12-29	ARO	0.0004	0.0006	0.0004	0.0007	0.9979
311271	PI	431009	Pachodi 460	India	Southern_Asia	1978-12-29	IND	0.0008	0.0005	0.9423	0.0561	0.0003
311272	PI	431061	Sadri Dum Sufaid	Iran	Mideast	1978-12-29	IND	0.0003	0.0045	0.9944	0.0004	0.0003
311273	PI	431062	Champa Zoodrus	Iran	Mideast	1978-12-29	AUS	0.0430	0.0005	0.0006	0.7653	0.1906
311274	PI	431065	Qari Bak	Iran	Mideast	1978-12-29	IND	0.0002	0.0004	0.9986	0.0007	0.0001
311275	PI	431082	Sia Bud Via	Thailand	Southeast_Asia	1978-12-29	IND-AUS	0.0026	0.0107	0.5926	0.3937	0.0005
311276	PI	431083	A 31 12 Late	Myanmar	Southeast_Asia	1978-12-29	IND-AUS	0.0026	0.0084	0.5944	0.3943	0.0003
311277	PI	431087	Ghoal Champa	Iran	Mideast	1978-12-29	IND	0.0002	0.0014	0.8625	0.1358	0.0001
311278	PI	431092	Montakel	Egypt	Mideast	1978-12-29	AUS	0.0004	0.0002	0.0048	0.9944	0.0002
311279	PI	431111	WB 103	Pakistan	Southern_Asia	1978-12-29	AUS	0.0004	0.0003	0.3886	0.6096	0.0012
311280	PI	431125	NORIN 18	Japan	North_Pacific	1978-12-29	IND	0.0001	0.0001	0.9997	0.0001	0.0000
311281	PI	431128	A 152	Bangladesh	Southern_Asia	1978-12-29	IND-TRJ	0.3838	0.0357	0.5372	0.0202	0.0231
311282	PI	431158	Egypt 1	Egypt	Mideast	1978-12-29	IND	0.0155	0.0012	0.9706	0.0008	0.0119
311283	PI	431165	Palwan	Philippines	South_Pacific	1978-12-29	ARO	0.0005	0.0003	0.0003	0.0003	0.9985
311284	PI	431172	LA PLATA GENA F.A.	Argentina	South_America	1978-12-29	AUS	0.0002	0.0002	0.0004	0.9991	0.0001
311285	PI	431195	Vulgaris Ko Ch Azpasaly	Uzbekistan	Central_Asia	1978-12-29	IND	0.0006	0.0003	0.9989	0.0002	0.0001
311286	PI	431201	UZ ROS 59	Uzbekistan	Central_Asia	1978-12-29	IND	0.0006	0.0006	0.9984	0.0002	0.0001
311287	PI	431207	Guanicagust Soclri Masayensnif	Azerbaijan	Central_Asia	1978-12-29	IND	0.0020	0.0009	0.9969	0.0001	0.0001
311288	PI	431209	Italica Sojuzryi 244	Former Soviet Union	Eastern_Europe	1978-12-29	IND	0.0001	0.0001	0.9997	0.0001	0.0000
311289	PI	431227	Peroz	Iran	Mideast	1978-12-29	AUS	0.0002	0.0002	0.3158	0.6835	0.0002
311290	PI	431251	*Basmati	Pakistan	Southern_Asia	1978-12-29	ARO	0.0004	0.0003	0.0003	0.0005	0.9986
311291	PI	431267	HZ ROS 637	Uzbekistan	Central_Asia	1978-12-29	IND	0.0001	0.0001	0.9996	0.0001	0.0000
311292	PI	431293	Yukare	Japan	North_Pacific	1978-12-29	ARO	0.0004	0.0025	0.0001	0.0001	0.9969
311293	PI	431324	Tetep	Vietnam	Southeast_Asia	1978-12-29	ARO	0.0010	0.0006	0.1687	0.0014	0.8283
311294	PI	431328	CAS 209	Senegal	Africa	1978-12-29	IND	0.0002	0.0004	0.9992	0.0001	0.0000
311295	PI	431369	P 1319	Turkey	Mideast	1978-12-29	TEJ	0.0016	0.6372	0.1982	0.1627	0.0004
311296	PI	431420	C4-63	Philippines	South_Pacific	1978-12-29	IND	0.0001	0.0003	0.9993	0.0003	0.0000
311297	PI	431439	KT 29	Nepal	Southern_Asia	1978-12-29	AUS	0.0002	0.0002	0.0003	0.9992	0.0002
311298	PI	431482	Jek Chuey 159	Thailand	Southeast_Asia	1979-2-1	IND	0.0002	0.0008	0.9987	0.0003	0.0001
311299	PI	432553	Tsao A 057	China	China	1979-3-1	TEJ	0.0006	0.8322	0.1669	0.0001	0.0002
311300	PI	433509	RINGO	Italy	Western_Europe	1979-5-1	TEJ	0.0014	0.9983	0.0001	0.0000	0.0001
311301	PI	433512	ROMEO	Italy	Western_Europe	1979-5-1	TEJ	0.2352	0.7644	0.0002	0.0001	0.0002
311302	PI	433797	SL 22-613	Sierra Leone	Africa	1979-6-1	IND	0.3089	0.0005	0.6543	0.0303	0.0060
311303	PI	433808	SL 22-642	Sierra Leone	Africa	1979-6-1	IND	0.0011	0.0002	0.9983	0.0003	0.0001
311304	PI	433832	ADNY 11	Nigeria	Africa	1979-6-1	IND	0.0001	0.0001	0.9996	0.0001	0.0000

311305	PI	433843	IB 94	Nigeria	Africa	1979-6-1	TRJ	0.9991	0.0005	0.0003	0.0000	0.0001
311306	PI	433857	Mange 2	Nigeria	Africa	1979-6-1	IND	0.0001	0.0001	0.9996	0.0001	0.0001
311307	PI	433905	IRAT 110	Cote D'Ivoire	Africa	1979-7-1	TRJ	0.9618	0.0370	0.0004	0.0007	0.0001
311308	PI	433911	IRAT 116	Cote D'Ivoire	Africa	1979-7-1	TRJ	0.9987	0.0011	0.0001	0.0001	0.0001
311309	PI	433922	IRAT 142	Cote D'Ivoire	Africa	1979-7-1	TRJ	0.9185	0.0809	0.0003	0.0002	0.0001
311310	PI	439043	Archana	India	Southern_Asia	1980-1-1	IND	0.0002	0.0002	0.9941	0.0054	0.0000
311311	PI	439090	RATNAGIRI 68-1-1	India	Southern_Asia	1980-1-1	IND	0.0003	0.0003	0.9992	0.0002	0.0001
311312	PI	439113	CH 434-94	Chile	South_America	1980-1-1	AUS	0.0002	0.0001	0.0004	0.9993	0.0001
311313	PI	439118	Oro	Chile	South_America	1980-1-1	TEJ	0.0003	0.9995	0.0001	0.0000	0.0001
311314	PI	439119	Quella	Chile	South_America	1980-1-1	TEJ	0.0935	0.9063	0.0001	0.0000	0.0001
311315	PI	439121	ARABI	Egypt	Mideast	1979-8-1	TEJ-TRJ	0.4437	0.5172	0.0300	0.0088	0.0003
311316	PI	439131	GIZA 159	Egypt	Mideast	1979-8-1	TEJ	0.0092	0.9905	0.0001	0.0000	0.0002
311317	PI	439137	IR 1615-246	Philippines	South_Pacific	1979-8-1	IND	0.0006	0.0007	0.9986	0.0001	0.0001
311318	PI	439140	Nahda	Egypt	Mideast	1979-8-1	TEJ	0.0003	0.9996	0.0001	0.0000	0.0000
311319	PI	439144	YABANI LULU	Egypt	Mideast	1979-8-1	TEJ	0.0002	0.9997	0.0001	0.0000	0.0000
311320	PI	439617	Amaura	Russian Federation	Eastern_Europe	1980-2-1	TEJ	0.0021	0.9949	0.0003	0.0001	0.0026
311321	PI	439625	Vavilovi	Kazakhstan	Central_Asia	1980-2-1	TEJ	0.0013	0.9875	0.0011	0.0018	0.0084
311322	PI	439639	Chaltyk Champa	Iran	Mideast	1980-2-1	AUS	0.0001	0.0001	0.0004	0.9993	0.0002
311323	PI	439641	Ak Kylcik Mestnyj	Azerbaijan	Central_Asia	1980-2-1	TEJ	0.0009	0.9966	0.0008	0.0013	0.0004
311324	PI	439647	Astrahanskij Skoros-pelyi	Russian Federation	Eastern_Europe	1980-2-1	TEJ	0.0065	0.9928	0.0001	0.0002	0.0004
311325	PI	439649	Bajang Allorio	Italy	Western_Europe	1980-2-1	IND	0.0004	0.0004	0.9990	0.0002	0.0001
311326	PI	439661	DONSKOJ 2	Russian Federation	Eastern_Europe	1980-2-1	TEJ	0.0020	0.9972	0.0002	0.0001	0.0006
311327	PI	439669	Gasym Hany	Azerbaijan	Central_Asia	1980-2-1	ARO	0.0010	0.0050	0.0001	0.0002	0.9936
311328	PI	439670	Hodza Ahmat	Uzbekistan	Central_Asia	1980-2-1	TEJ	0.0052	0.7783	0.0001	0.0003	0.2161
311329	PI	439671	Hokkajdo	Russian Federation	Eastern_Europe	1980-2-1	TEJ	0.0018	0.9904	0.0002	0.0055	0.0021
311330	PI	439679	Kesa	Azerbaijan	Central_Asia	1980-2-1	ARO	0.0028	0.1079	0.1479	0.0007	0.7408
311331	PI	439730	UZBEKSKIJ 2	Uzbekistan	Central_Asia	1980-2-1	TEJ	0.0005	0.9993	0.0001	0.0001	0.0001
311332	PI	442136	YR 71003-9	Australia	Oceania	1980-4-1	TEJ	0.0826	0.8712	0.0458	0.0002	0.0002
311333	PI	442140	NAVILE	Italy	Western_Europe	1980-4-1	TEJ	0.0216	0.9781	0.0001	0.0000	0.0001
311334	PI	442953	E 425	Senegal	Africa	1980-5-1	TRJ	0.9993	0.0004	0.0001	0.0000	0.0001
311335	PI	442978	IR 1746-194-1-1-1	Philippines	South_Pacific	1980-5-1	AUS	0.0002	0.0001	0.0009	0.9988	0.0001
311336	PI	443001	DM 59	Bangladesh	Southern_Asia	1980-5-1	AUS	0.0001	0.0001	0.0005	0.9992	0.0001
311337	PI	445964	KAIRYOSHINKO	Japan	North_Pacific	1980-6-1	IND	0.0003	0.0002	0.9984	0.0010	0.0002
311338	PI	452428	MR 1	Malaysia	South_Pacific	1980-12-1	IND	0.0001	0.0001	0.9995	0.0002	0.0001
311339	PI	458462	Zoria	Turkey	Mideast	1981-3-1	TEJ	0.0004	0.9994	0.0001	0.0000	0.0001
311340	PI	458470	IITA 135	Nigeria	Africa	1981-3-1	TRJ	0.8781	0.0011	0.1206	0.0002	0.0001
311341	PI	458475	63-83	Cote D'Ivoire	Africa	1981-3-1	TRJ	0.9990	0.0006	0.0002	0.0001	0.0001
311342	PI	458478	RD 7	Thailand	Southeast_Asia	1981-4-1	IND	0.1253	0.0008	0.8728	0.0008	0.0002
311343	PI	458483	IET 6187	India	Southern_Asia	1981-4-1	IND	0.0004	0.0003	0.9243	0.0750	0.0001
311344	PI	458488	IR 9209-26-2	Philippines	South_Pacific	1981-4-1	IND	0.0002	0.0001	0.9996	0.0001	0.0000
311345	PI	458755	CRISTAL	France	Western_Europe	1981-4-1	TEJ	0.0231	0.9767	0.0001	0.0001	0.0001
311346	PI	459028	B 541B-PN-58-5-3-1	Indonesia	South_Pacific	1981-6-1	IND	0.0002	0.0001	0.9986	0.0010	0.0001
311347	PI	464599	IR 19759-21-3-3-2	Philippines	South_Pacific	1981-11-1	IND	0.0001	0.0001	0.9993	0.0004	0.0001
311348	PI	464623	SEOOGWANGBYEO	Korea_South	North_Pacific	1981-11-1	IND	0.0045	0.0261	0.9685	0.0003	0.0006
311349	PI	490796	Tox 782-20-1	Nigeria	Africa	1984-8-1	TRJ	0.9980	0.0012	0.0002	0.0004	0.0002
311350	PI	490805	Tox 1417-17-SB	Nigeria	Africa	1984-8-1	TRJ	0.9335	0.0049	0.0585	0.0029	0.0002
311351	PI	493134	Bungan B	Malaysia	South_Pacific	1984-12-1	TRJ	0.8392	0.1572	0.0010	0.0004	0.0023
311352	PI	493138	IR 10176-24-6-2	Philippines	South_Pacific	1984-12-1	IND	0.0002	0.0001	0.9983	0.0014	0.0000
311353	PI	494757	HUNAN EARLY DWARF NO. 3	China	China	1985-2-1	IND	0.0002	0.0001	0.9996	0.0001	0.0000
311354	PI	502690	Arroz en Granza 106 Selection	Guatemala	Central_America	1920-5-1	TRJ	0.7267	0.0026	0.2642	0.0050	0.0015
311355	PI	502967	GULFMONT	United States	North_America	1986-3-1	TRJ	0.9986	0.0004	0.0009	0.0001	0.0001
311356	PI	503036	CHAO LANG 1 HAO	China	China	1986-2-1	IND	0.0002	0.0002	0.9995	0.0001	0.0000
311357	PI	503051	14757	Colombia	South_America	1986-2-1	IND	0.0023	0.0850	0.9122	0.0003	0.0001
311358	PI	503068	16438	Colombia	South_America	1986-2-1	IND	0.0153	0.0687	0.9157	0.0001	0.0002

311359	PI	503119	17632	Colombia	South_America	1986-2-1	IND	0.0003	0.0004	0.9498	0.0489	0.0006
311360	PI	503137	19965	Colombia	South_America	1986-2-1	IND	0.0004	0.0025	0.9963	0.0006	0.0003
311361	PI	503157	G-158	Hungary	Eastern_Europe	1986-2-1	TEJ	0.0013	0.9984	0.0001	0.0001	0.0001
311362	PI	503169	UPL RI-5	Philippines	South_Pacific	1986-2-1	IND	0.0014	0.0253	0.9657	0.0065	0.0011
311363	PI	506225	78Y81	United States	North_America	1986-12-1	TRJ	0.6872	0.3126	0.0001	0.0000	0.0001
311364	PI	514666	SACHIMINORI	Japan	North_Pacific	1987-12-18	TEJ	0.0010	0.9988	0.0001	0.0000	0.0001
311365	PI	514668	TODOROKIWASE	Japan	North_Pacific	1987-12-18	TEJ	0.0006	0.9993	0.0001	0.0000	0.0000
311366	PI	536047	Te Qing	China	China	1989-4-10	IND	0.0005	0.0005	0.9986	0.0001	0.0002
311367	PI	543874	SLG 12	Japan	North_Pacific	1989-5-16	TEJ	0.0600	0.8018	0.0020	0.0014	0.1348
311368	PI	560216	FANNY DWARF	France	Western_Europe	1990-1-16	TEJ	0.0302	0.9694	0.0001	0.0000	0.0002
311369	PI	560217	TAINAN 5-72-536	Taiwan	China	1990-1-16	TEJ	0.0003	0.9995	0.0001	0.0000	0.0000
311370	PI	560268	CT6515-18-1-3-1-4	Colombia	South_America	1990-1-24	TRJ	0.7463	0.0805	0.1635	0.0079	0.0018
311371	PI	560276	ESTRELA	Colombia	South_America	1990-1-24	TRJ-TEJ	0.4987	0.4181	0.0813	0.0017	0.0002
311372	PI	560285	P 3084F4-56-2-2	Colombia	South_America	1990-1-24	IND	0.0007	0.0017	0.9970	0.0004	0.0002
311373	PI	560297	Santa Julia	Colombia	South_America	1990-12-12	IND	0.0004	0.0025	0.9553	0.0413	0.0006
311374	PI	564573	Podiratawee	Sri Lanka	Southern_Asia	1992-12-17	IND	0.0004	0.0006	0.9130	0.0856	0.0004
311375	PI	564578	N 11061-71	El Salvador	Central_America	1992-12-17	TRJ	0.7699	0.0005	0.2289	0.0006	0.0001
311376	PI	574421	EUROSE	Italy	Western_Europe	1992-7-29	TEJ	0.2160	0.7838	0.0001	0.0000	0.0001
311377	PI	574444	SORRISO	Italy	Western_Europe	1992-7-29	TEJ	0.3051	0.6946	0.0001	0.0001	0.0001
311378	PI	574445	STAR	Italy	Western_Europe	1992-7-29	TRJ	0.9893	0.0104	0.0001	0.0001	0.0001
311379	PI	574658	BR1	Bangladesh	Southern_Asia	1993-7-28	IND	0.0026	0.1774	0.8111	0.0086	0.0003
311380	PI	574680	BR24	Bangladesh	Southern_Asia	1993-7-28	IND	0.0714	0.0005	0.9256	0.0016	0.0010
311381	PI	575182	Jamir	Bangladesh	Southern_Asia	1993-7-28	AUS	0.0005	0.0119	0.0036	0.9834	0.0005
311382	PI	575212	Ghorbhai	Bangladesh	Southern_Asia	1993-7-28	AUS	0.0011	0.0011	0.0292	0.9678	0.0008
311383	PI	584555	DARMALI	Nepal	Southern_Asia	1991-7-5	TEJ-ARO-TRJ	0.1292	0.4689	0.0008	0.1083	0.2928
311384	PI	584557	CHAHORA 144	Pakistan	Southern_Asia	1991-7-5	IND-ARO	0.0007	0.0004	0.5800	0.0052	0.4137
311385	PI	584567	KAUKKYI ANI	Myanmar	Southeast_Asia	1991-7-5	TRJ	0.6494	0.3200	0.0256	0.0013	0.0038
311386	PI	584569	*FIROOZ	Iran	Mideast	1991-7-5	ARO	0.0005	0.0007	0.0011	0.0004	0.9973
311387	PI	584570	ARIAS	Indonesia	South_Pacific	1991-7-5	TRJ	0.8871	0.0787	0.0002	0.0020	0.0320
311388	PI	584572	GOTAK GATIK	Indonesia	South_Pacific	1991-7-5	TRJ	0.8334	0.0011	0.0192	0.0070	0.1393
311389	PI	584608	Dom Zard	Iran	Mideast	1991-7-5	ARO	0.0005	0.0007	0.0002	0.0002	0.9984
311390	PI	584611	Yancaousa	Cote D'Ivoire	Africa	1991-7-5	TRJ	0.9987	0.0010	0.0002	0.0001	0.0001
311391	PI	584613	Tres Meses	Brazil	South_America	1991-7-5	TRJ	0.9568	0.0009	0.0421	0.0002	0.0001
311392	PI	584618	WIR 1528	Azerbaijan	Central_Asia	1992-6-2	TEJ	0.0019	0.9972	0.0002	0.0001	0.0007
311393	PI	584629	Celijaj	Azerbaijan	Central_Asia	1992-6-2	TEJ	0.0137	0.9858	0.0001	0.0002	0.0003
311394	PI	584637	KROS 358	Kazakhstan	Central_Asia	1992-6-2	TEJ	0.0024	0.9972	0.0001	0.0001	0.0002
311395	PI	584644	SPALCIK	Russian Federation	Eastern_Europe	1992-6-2	TEJ	0.0004	0.9993	0.0002	0.0001	0.0000
311396	PI	584649	INTENSIVNYJ	Uzbekistan	Central_Asia	1992-6-2	TEJ	0.0005	0.9991	0.0002	0.0000	0.0001
311397	PI	584650	AVANGARD	Uzbekistan	Central_Asia	1992-6-2	TEJ	0.0018	0.9981	0.0001	0.0000	0.0001
311398	PI	584651	GORIZONT	Russian Federation	Eastern_Europe	1992-6-2	TEJ	0.0004	0.9991	0.0002	0.0001	0.0002
311399	PI	584660	AMISTAD 82	Colombia	South_America	1993-3-23	IND	0.0007	0.0008	0.9984	0.0001	0.0001
311400	PI	584661	CR1821	Costa Rica	Central_America	1993-3-23	IND	0.0020	0.0019	0.9766	0.0004	0.0191
311401	PI	584663	EL PASO L-144	Uruguay	South_America	1993-3-23	IND	0.0003	0.0003	0.9993	0.0001	0.0000
311402	PI	584666	INIAP 11	Ecuador	South_America	1993-3-23	IND	0.0001	0.0001	0.9996	0.0002	0.0000
311403	PI	584669	PANAMA 1048	Colombia	South_America	1993-3-23	IND	0.0005	0.0003	0.9987	0.0002	0.0003
311404	PI	584671	X-10	El Salvador	Central_America	1993-3-23	IND	0.0792	0.0027	0.9176	0.0003	0.0001
311405	PI	584678	HURI 282	Colombia	South_America	1993-3-23	IND	0.0005	0.0004	0.9989	0.0001	0.0001
311406	PI	584680	TAICHUNG SEN YU 10	Taiwan	China	1993-3-23	TEJ	0.0007	0.9989	0.0002	0.0001	0.0001
311407	PI	584688	CT9901-1-7-M	Colombia	South_America	1993-3-23	TRJ	0.8814	0.0136	0.1047	0.0002	0.0001
311408	PI	584742	ARAURE 4	Venezuela	South_America	1991-4-23	IND	0.0018	0.0655	0.9316	0.0002	0.0010
311409	PI	584743	CAMPECHE A 80	Mexico	North_America	1991-4-23	IND	0.0157	0.0015	0.9825	0.0001	0.0001
311410	PI	584751	ICTA VIRGINIA	Guatemala	Central_America	1991-4-23	IND	0.0005	0.0003	0.9991	0.0001	0.0000
311411	PI	584756	SAN MARTIN 86	Peru	South_America	1991-4-23	IND	0.0003	0.0016	0.9038	0.0002	0.0941
311412	PI	584757	SAN PEDRO	Bolivia	South_America	1991-4-23	IND	0.0002	0.0001	0.9995	0.0001	0.0000
311413	PI	596811	ROJOFOTSY 738	Madagascar	Africa	1991-7-5	IND	0.0024	0.0024	0.6012	0.3938	0.0002

311414	PI	596835	DAL'RIS 13	Russian Federation	Eastern_Europe	1992-9-25	TEJ	0.0004	0.9994	0.0001	0.0000	0.0001
311415	PI	596872	BR827-35-2-1	Bangladesh	Southern_Asia	1993-8-23	IND	0.0001	0.0002	0.9991	0.0005	0.0000
311416	PI	596893	VILLAGUAY P.A.	Argentina	South_America	1993-8-23	TRJ	0.6801	0.2514	0.0680	0.0003	0.0002
311417	PI	596902	CNTLR80076-44-1-1 -1	Thailand	Southeast_Asia	1993-8-23	IND	0.0002	0.0002	0.9957	0.0035	0.0005
311418	PI	596906	CU8068	Cuba	Central_America	1993-8-23	IND	0.0006	0.0004	0.9989	0.0001	0.0001
311419	PI	596914	H256-76-1-1-1	Argentina	South_America	1993-8-23	TRJ	0.8207	0.1393	0.0361	0.0002	0.0036
311420	PI	596936	PNA1005-F4-88-1	Peru	South_America	1993-8-23	IND	0.0055	0.0073	0.9772	0.0042	0.0059
311421	PI	596960	C2764-10-2	Philippines	South_Pacific	1993-8-23	IND	0.0045	0.0001	0.9950	0.0004	0.0001
311422	PI	596975	CT6741-CA-14	Chile	South_America	1993-8-23	TEJ	0.2075	0.7921	0.0002	0.0001	0.0002
311423	PI	596990	IR 58614-B-B-8-2	Philippines	South_Pacific	1993-8-23	IND	0.0010	0.0004	0.9968	0.0011	0.0006
311424	PI	597058	BL 1	Japan	North_Pacific	1994-6-29	TEJ	0.0005	0.9406	0.0588	0.0000	0.0001
311425	PI	597078	B 4142	Philippines	South_Pacific	1994-6-29	TEJ-TRJ- IND	0.2529	0.5447	0.1722	0.0004	0.0299
311426	PI	602605	AGUSITA	Hungary	Eastern_Europe	1994-8-7	TEJ	0.0014	0.9980	0.0004	0.0001	0.0002
311427	PI	602608	HC-7-2	Hungary	Eastern_Europe	1994-8-7	TEJ	0.0014	0.9981	0.0003	0.0001	0.0001
311428	PI	602610	KARMINA	Hungary	Eastern_Europe	1994-8-7	TEJ	0.0010	0.8437	0.1550	0.0002	0.0001
311429	PI	602636	WAB56-57	Cote D'Ivoire	Africa	1996-5-14	TRJ	0.9034	0.0411	0.0549	0.0003	0.0003
311430	PI	602652	ECIA 66	Cuba	Central_America	1996-5-14	IND	0.0035	0.0012	0.9950	0.0002	0.0001
311431	PI	602666	PALLAGI 67	Hungary	Eastern_Europe	1995-11-1	TEJ	0.0025	0.9970	0.0001	0.0001	0.0004
311432	PI	608405	WU FENG LENG SHUI ZHAN	China	China	1995-7-6	IND	0.0033	0.0009	0.9955	0.0002	0.0001
311433	PI	608418	IR 54055-142-2-1-2-3	Philippines	South_Pacific	1996-5-14	IND	0.0001	0.0002	0.9991	0.0005	0.0001
311434	PI	608430	LINE III_HANOI	Vietnam	Southeast_Asia	1997-9-10	TEJ	0.0444	0.8570	0.0003	0.0003	0.0980
311435	PI	608431	CM1_HAIPONG	Vietnam	Southeast_Asia	1997-9-10	IND	0.0018	0.0004	0.9950	0.0012	0.0016
311436	PI	614980	ZHONGYU NO. 1	China	China	1996-9-5	IND	0.0013	0.0077	0.9908	0.0001	0.0001
311437	PI	615011	Guineandao	Guinea	Africa	1996-9-5	TRJ	0.7906	0.2088	0.0002	0.0003	0.0002
311438	PI	615012	2071-621-2	Liberia	Africa	1996-9-5	IND	0.0296	0.0009	0.9692	0.0001	0.0002
311439	PI	615028	4582	China	China	1996-9-5	IND	0.0015	0.0005	0.9978	0.0001	0.0002
311440	PI	615048	4641-2	China	China	1996-9-5	IND	0.0007	0.0002	0.9989	0.0001	0.0001
311441	PI	614956	GP-2	China	China	1996-9-5	IND	0.0003	0.0002	0.9994	0.0001	0.0001
311442	PI	614957	IR58025 B	Philippines	South_Pacific	1996-9-5	IND	0.0253	0.0098	0.9356	0.0243	0.0049
311443	PI	614958	GUI 99	China	China	1996-9-5	IND	0.0005	0.0135	0.9858	0.0001	0.0001
311444	PI	614959	R 312	China	China	1996-9-5	IND	0.0016	0.0004	0.9977	0.0002	0.0002
311445	PI	614960	Z 535	China	China	1996-9-5	IND	0.0151	0.0251	0.9595	0.0002	0.0001
311446	PI	614961	R 147	China	China	1996-9-5	IND	0.0010	0.0004	0.9949	0.0007	0.0030
311447	PI	614962	XIANGZHAOXIAN NO. 15	China	China	1996-9-5	IND	0.0906	0.0137	0.8934	0.0018	0.0005
311448	PI	614963	HUNANRUANMI	China	China	1996-9-5	IND	0.0089	0.0031	0.9797	0.0079	0.0004
311449	PI	614965	ZHONGYU NO. 6	China	China	1996-9-5	IND	0.0013	0.0009	0.9976	0.0001	0.0001
311450	PI	614966	ZHENSHAN 97	China	China	1996-9-5	IND	0.0001	0.0010	0.9987	0.0001	0.0000
311451	PI	614968	ZHONGYOUZAO NO. 3	China	China	1996-9-5	IND	0.0050	0.0754	0.9189	0.0002	0.0005
311452	PI	614969	CHAO 25	China	China	1996-9-5	IND	0.0002	0.0001	0.9995	0.0002	0.0000
311453	PI	614970	XIANGHU NO. 2	China	China	1996-9-5	TEJ-TRJ- IND	0.3081	0.4750	0.2139	0.0004	0.0027
311454	PI	614971	NINGHUI 18	China	China	1996-9-5	TEJ	0.0004	0.6047	0.3947	0.0001	0.0001
311455	PI	614972	QINGLIN NO. 9	China	China	1996-9-5	IND	0.0015	0.3592	0.6391	0.0001	0.0000
311456	PI	614973	ERXI NO. 149	China	China	1996-9-5	IND	0.0004	0.1171	0.8823	0.0001	0.0001
311457	PI	614974	TAIZHOU 1950	China	China	1996-9-5	TRJ-TEJ	0.5632	0.4361	0.0004	0.0000	0.0002
311458	PI	614975	TAIZHONGXIAN 255	China	China	1996-9-5	IND	0.0040	0.0042	0.9830	0.0075	0.0012
311459	PI	614978	71198	China	China	1996-9-5	IND	0.0004	0.0004	0.9989	0.0001	0.0001
311460	PI	614979	WUNONG NO. 2	China	China	1996-9-5	IND	0.0012	0.0016	0.9969	0.0002	0.0001
311461	PI	614982	MINGHUI 63	China	China	1996-9-5	IND	0.0012	0.0010	0.9975	0.0001	0.0002
311462	PI	614983	DALIDAO	China	China	1996-9-5	IND	0.0039	0.0549	0.9376	0.0005	0.0031
311463	PI	614984	ZHANG 32	China	China	1996-9-5	IND	0.0002	0.0003	0.9994	0.0001	0.0000
311464	PI	614987	TIEJING NO. 4	China	China	1996-9-5	IND	0.0065	0.0003	0.9924	0.0002	0.0006
311465	PI	614988	ZANUO NO. 1	China	China	1996-9-5	IND	0.0009	0.0013	0.9897	0.0044	0.0038
311466	PI	614989	KECHENGNUO NO. 4	China	China	1996-9-5	IND	0.0003	0.0006	0.9979	0.0002	0.0010

311467	PI	614990	JINNUO NO. 6	China	China	1996-9-5	IND	0.0003	0.0003	0.9993	0.0001	0.0001
311468	PI	614991	DIAN NO. 01	China	China	1996-9-5	IND	0.0134	0.0004	0.9852	0.0004	0.0006
311469	PI	614993	89-5	China	China	1996-9-5	TRJ	0.9967	0.0005	0.0023	0.0002	0.0002
311470	PI	614994	AIJIAONANTE	China	China	1996-9-5	IND	0.0004	0.0003	0.9991	0.0001	0.0001
311471	PI	614995	YOU NO. 51	China	China	1996-9-5	IND	0.0173	0.0132	0.9682	0.0004	0.0009
311472	PI	614996	FU NO. 83	China	China	1996-9-5	IND	0.0004	0.0001	0.9992	0.0002	0.0002
311473	PI	614997	DIANDUN 501	China	China	1996-9-5	IND	0.0030	0.0063	0.9898	0.0003	0.0006
311474	PI	614998	CHUNZHI NO. 11	China	China	1996-9-5	IND	0.0232	0.0005	0.9754	0.0004	0.0006
311475	PI	614999	TIE 90-1	China	China	1996-9-5	IND	0.0001	0.0006	0.9992	0.0001	0.0001
311476	PI	615003	SHENG 12	China	China	1996-9-5	IND	0.0005	0.0003	0.9990	0.0001	0.0001
311477	PI	615004	H 323	China	China	1996-9-5	IND	0.0098	0.0114	0.9786	0.0002	0.0000
311478	PI	615008	CDR 22	China	China	1996-9-5	IND	0.0029	0.0025	0.9943	0.0001	0.0002
311479	PI	615010	CDR 210	China	China	1996-9-5	IND	0.0035	0.0055	0.9903	0.0001	0.0006
311480	PI	615013	GUICHAO NO. 2	China	China	1996-9-5	IND	0.0002	0.0001	0.9995	0.0001	0.0001
311481	PI	615015	SHUFENG 121	China	China	1996-9-5	IND	0.0008	0.0006	0.9983	0.0001	0.0001
311482	PI	615021	4429-2	China	China	1996-9-5	IND	0.0002	0.0002	0.9991	0.0003	0.0001
311483	PI	615022	4484	China	China	1996-9-5	IND	0.0008	0.0002	0.9988	0.0001	0.0000
311484	PI	615033	4595	China	China	1996-9-5	IND	0.0002	0.0001	0.9996	0.0001	0.0000
311485	PI	615035	4597	China	China	1996-9-5	IND	0.0007	0.0003	0.9988	0.0001	0.0001
311486	PI	615036	4607	China	China	1996-9-5	IND	0.0006	0.0003	0.9991	0.0001	0.0001
311487	PI	615039	4612	China	China	1996-9-5	IND	0.0005	0.0003	0.9991	0.0000	0.0001
311488	PI	615041	4633	China	China	1996-9-5	IND	0.0007	0.0003	0.9989	0.0001	0.0001
311489	PI	615047	4641-1	China	China	1996-9-5	IND	0.0006	0.0002	0.9990	0.0001	0.0001
311490	PI	615049	4642	China	China	1996-9-5	IND	0.0007	0.0003	0.9988	0.0001	0.0001
311491	PI	615192	YOU-I B	China	China	1996-9-5	IND	0.0002	0.0016	0.9981	0.0001	0.0000
311492	PI	615193	JIN-23 B	China	China	1996-9-5	IND	0.0001	0.0001	0.9996	0.0001	0.0000
311493	PI	615194	BO B	China	China	1996-9-5	IND	0.0014	0.0005	0.9979	0.0001	0.0002
311494	PI	615195	R 647	China	China	1996-9-5	IND	0.0008	0.0005	0.9984	0.0002	0.0001
311495	PI	615196	CE 64	China	China	1996-9-5	IND	0.0005	0.0004	0.9986	0.0003	0.0001
311496	PI	615197	NANJING 11	China	China	1996-9-5	IND	0.0003	0.0002	0.9994	0.0001	0.0000
311497	PI	615198	CHUNJIANGZAO NO. 1	China	China	1996-9-5	TEJ	0.0008	0.9302	0.0684	0.0005	0.0001
311498	PI	615199	LUHONGZAO	China	China	1996-9-5	IND	0.0002	0.0078	0.9919	0.0002	0.0000
311499	PI	615200	ZHONG 156	China	China	1996-9-5	IND	0.0003	0.0029	0.9965	0.0002	0.0001
311500	PI	615201	ZHONGYOUWAN NO. 1	China	China	1996-9-5	IND	0.0123	0.0136	0.9736	0.0003	0.0003
311501	PI	615202	ZHONG 86-44	China	China	1996-9-5	IND	0.0034	0.0203	0.9762	0.0001	0.0001
311502	PI	615203	ZHONGYOUZAO NO. 5	China	China	1996-9-5	IND	0.0137	0.0180	0.9679	0.0001	0.0003
311503	PI	615204	ZHONG 413	China	China	1996-9-5	IND	0.0002	0.0002	0.9994	0.0001	0.0001
311504	PI	615206	MINKEZAO NO. 22	China	China	1996-9-5	IND	0.0002	0.0003	0.9991	0.0002	0.0002
311505	PI	615207	LONGQING NO. 3	China	China	1996-9-5	TRJ-TEJ	0.5983	0.3591	0.0346	0.0002	0.0078
311506	PI	615208	LUDAO	China	China	1996-9-5	IND	0.0002	0.0004	0.9992	0.0001	0.0000
311507	PI	615210	SHANGYU 394	China	China	1996-9-5	TEJ	0.0005	0.9994	0.0001	0.0001	0.0000
311508	PI	615211	W48-3	China	China	1996-9-5	IND	0.0194	0.0848	0.8948	0.0008	0.0002
311509	PI	615213	XIANDAN	China	China	1996-9-5	IND	0.0144	0.0014	0.9659	0.0124	0.0059
311510	PI	615214	DANWANBAO 24	China	China	1996-9-5	IND	0.0005	0.0004	0.9979	0.0011	0.0001
311511	PI	615215	MPH 501	China	China	1996-9-5	IND	0.0149	0.0012	0.9412	0.0028	0.0399
311512	PI	615217	II-32B	China	China	1996-9-5	IND	0.0002	0.0014	0.9982	0.0001	0.0000
311513	PI	615218	ZAO 402	China	China	1996-9-5	IND	0.0003	0.0007	0.9984	0.0004	0.0002
311514	PI	615219	CHAOYANG NO. 1	China	China	1996-9-5	IND	0.0001	0.0001	0.9996	0.0001	0.0000
311515	PI	615222	ZHONGBAI NO. 4	China	China	1996-9-5	IND	0.0003	0.0007	0.9975	0.0003	0.0012
311516	PI	615223	DUOYINGLIN-SHUIDAO	China	China	1996-9-5	IND	0.0003	0.0005	0.9990	0.0002	0.0001
311517	PI	404094	92.09.31	Japan	North_Pacific	1975-9-10	IND	0.0002	0.0001	0.9995	0.0001	0.0000
311518	PI	575114	Bhujon Kolpo	Bangladesh	Southern_Asia	1993-7-28	IND	0.0001	0.0004	0.9991	0.0004	0.0001
311519	PI	575186	Khoaia	Bangladesh	Southern_Asia	1993-7-28	IND	0.0006	0.0006	0.9985	0.0001	0.0002
311520	PI	575209	Bogra	Bangladesh	Southern_Asia	1993-7-28	IND	0.0004	0.0003	0.9978	0.0013	0.0002
311521	PI	596931	IR 56450-28-2-2	Philippines	South_Pacific	1993-8-23	IND	0.0003	0.0003	0.9992	0.0001	0.0001

311522	PI	634219	IR59624-34-2-2	Philippines	South_Pacific	1996-5-14	TRJ	0.9977	0.0016	0.0006	0.0001	0.0001	
311523	PI	634220	NJ70507	China	China	1996-5-14	IND	0.0002	0.0002	0.9995	0.0001	0.0000	
311524	PI	634221	RP2199-16-2-2-1	India	Southern_Asia	1996-5-14	IND	0.0001	0.0001	0.9995	0.0002	0.0000	
311525	PI	634222	S972B-22-1-3-1-1	Indonesia	South_Pacific	1996-5-14	IND	0.0002	0.0001	0.9995	0.0001	0.0000	
311526	Clor	8915	Timonchette 3	Haiti	Central_America	1947-12-1	IND	0.0004	0.0025	0.6630	0.3339	0.0001	
311527	Clor	12300	Bulk	Haiti	Central_America	1947-12-1	TRJ	0.9991	0.0005	0.0002	0.0001	0.0001	
311528	PI	160639	WC 316	China	China	1947-11-25	IND	0.0006	0.0003	0.9810	0.0173	0.0008	
311529	PI	162283	Sal B 10	Korea_South	North_Pacific	1948-2-1	TEJ	0.0054	0.6485	0.3388	0.0065	0.0007	
311530	PI	162284	Sal Bio 10	Korea_South	North_Pacific	1948-2-1	TEJ	0.0014	0.9648	0.0319	0.0005	0.0013	
311531	PI	167923	2046	Turkey	Mideast	1948-9-1	TEJ	0.0153	0.9782	0.0061	0.0002	0.0002	
311532	PI	182254	Egyptian Wild Type	Turkey	Mideast	1949-6-1	TEJ	0.0003	0.9993	0.0001	0.0001	0.0002	
311533	PI	189457	Rajado de Ponta Escura	Portugal	Western_Europe	1950-5-1	TEJ	0.0249	0.9518	0.0151	0.0078	0.0004	
311534	PI	208449	Early No. 3	Nepal	Southern_Asia	1953-5-12	AUS	0.0005	0.0003	0.2165	0.7822	0.0005	
311535	PI	223518	Shali-i-Luk	Afghanistan	Southern_Asia	1955-1-24	IND	0.0002	0.0001	0.9989	0.0006	0.0001	
311536	PI	240640	THUYAMALLI	India	Southern_Asia	1957-6-10	IND	0.0001	0.0021	0.8458	0.1519	0.0001	
311537	PI	245694	A 5	Japan	North_Pacific	1958-2-6	TEJ	0.0358	0.9626	0.0007	0.0007	0.0002	
311538	PI	282390	PADANG TRENG-GANU 22	Malaysia	South_Pacific	1962-7-26	AUS	0.0007	0.0004	0.0009	0.9978	0.0001	
311539	PI	352687	C.B. II	Japan	North_Pacific	1970-7-29	AUS	0.0002	0.0003	0.0030	0.9963	0.0002	
311540	PI	353702	IARI 6196	India	Southern_Asia	1970-5-4	TEJ-ARO-TRJ	0.2460	0.4982	0.0004	0.0016	0.2538	
311541	PI	353797	IARI 10840	India	Southern_Asia	1970-5-4		0.0011	0.0007	0.8699	0.1281	0.0001	
311542	PI	373040	MI-273M	Sri Lanka	Southern_Asia	1972-3-27	IND	0.0001	0.0042	0.7976	0.1979	0.0002	
311543	PI	373116	LD 24	Sri Lanka	Southern_Asia	1972-3-27	IND	0.0002	0.0042	0.7986	0.1968	0.0002	
311544	PI	373340	Gallawa	Sri Lanka	Southern_Asia	1972-3-27	AUS	0.0926	0.0005	0.0048	0.8957	0.0064	
311545	PI	373341	Ittikulama	Sri Lanka	Southern_Asia	1972-3-27	AUS	0.0010	0.0118	0.0009	0.9844	0.0020	
311546	PI	373346	Kaluwee	Sri Lanka	Southern_Asia	1972-3-27	AUS	0.0009	0.0080	0.0008	0.9888	0.0016	
311547	PI	373347	Karayal	Sri Lanka	Southern_Asia	1972-3-27	AUS	0.0013	0.0018	0.0005	0.9881	0.0083	
311548	PI	373551	ARC 10693	India	Southern_Asia	1972-3-27	AUS	0.0004	0.0009	0.0012	0.9974	0.0001	
311549	PI	373800	DAWEBYAN	Myanmar	Southeast_Asia	1972-3-27	IND	0.0160	0.0024	0.8498	0.1314	0.0004	
311550	PI	373813	Padi Pagalong	Malaysia	South_Pacific	1972-3-27	TRJ	0.8136	0.1791	0.0005	0.0025	0.0043	
311551	PI	385323	Mad/S	Rwanda	Africa	1974-2-5	IND	0.0267	0.0032	0.6844	0.2854	0.0003	
311552	PI	389845	Lun An Shun Geen Bir	China	China	1974-9-1	IND	0.0014	0.0014	0.9244	0.0605	0.0122	
311553	PI	389879	Sigoendaba	Indonesia	South_Pacific	1974-9-1	IND	0.0170	0.0019	0.8395	0.1413	0.0003	
311554	PI	389960	Srav Prapay	Cambodia	Southeast_Asia	1974-9-1	IND	0.0023	0.0031	0.9476	0.0029	0.0441	
311555	PI	392531	Jaguary Zongo	El Salvador	Central_America	1975-2-3	IND	0.0006	0.0010	0.6615	0.3369	0.0001	
311556	PI	392581	PHCAR SLA	Cambodia	Southeast_Asia	1975-2-3	AUS	0.0004	0.0002	0.0010	0.9983	0.0001	
311557	PI	392603	CHETUA	Fiji	Oceania	1975-2-3	AUS	0.0002	0.0002	0.0005	0.9991	0.0001	
311558	PI	392606	Gambiaka Kokoum	Burkina Faso	Africa	1975-2-3	AUS	0.0004	0.0005	0.0038	0.9952	0.0001	
311559	PI	392612	PAUNG MALAUNG	Myanmar	Southeast_Asia	1975-2-3	AUS	0.0003	0.0002	0.0018	0.9976	0.0001	
311560	PI	392633	CRISTAL 161	Chad	Africa	1975-2-3	AUS	0.0001	0.0001	0.0301	0.9696	0.0002	
311561	PI	392768	Nang Bang Bentre	Vietnam	Southeast_Asia	1975-2-3	AUS	0.0002	0.0001	0.0042	0.9955	0.0001	
311562	PI	392794	Khao Tot Long 227	Thailand	Southeast_Asia	1975-2-3	AUS	0.0001	0.0001	0.0003	0.9995	0.0001	
311563	PI	393112	DNJ 179	Bangladesh	Southern_Asia	1975-2-3	AUS	0.0002	0.0004	0.0005	0.9987	0.0002	
311564	PI	393440	Chien Hoa Khe	Vietnam	Southeast_Asia	1975-2-3	IND	0.0007	0.0008	0.9819	0.0162	0.0004	
311565	PI	400274	517	Uruguay	South_America	1975-3-24	IND	0.0008	0.0013	0.9872	0.0056	0.0051	
311566	PI	400275	518	Uruguay	South_America	1975-3-24	AUS-IND	0.0066	0.0032	0.4237	0.5653	0.0012	
311567	PI	400276	519	Uruguay	South_America	1975-3-24	AUS-IND	0.0036	0.0016	0.3992	0.5944	0.0012	
311568	PI	400277	520	Uruguay	South_America	1975-3-24	IND	0.0040	0.0007	0.9923	0.0018	0.0012	
311569	PI	400411	Thou 20-72	China	China	1975-6-3	IND	0.0003	0.0006	0.9982	0.0007	0.0001	
311570	PI	402631	Kalo Param	Nepal	Southern_Asia	1975-8-4	AUS	0.0020	0.0008	0.0309	0.9655	0.0007	
311571	PI	402691	Trandeup Kandir	Cambodia	Southeast_Asia	1975-8-4	AUS	0.0002	0.0002	0.0004	0.9991	0.0001	
311572	PI	403082	DJ 24	Bangladesh	Southern_Asia	1975-8-4	AUS	0.0001	0.0001	0.0004	0.9993	0.0001	
311573	PI	403114	DJ 102	Bangladesh	Southern_Asia	1975-8-4	AUS	0.0001	0.0002	0.0004	0.9993	0.0001	
311574	PI	403121	DJ 123	Bangladesh	Southern_Asia	1975-8-4	AUS	0.0001	0.0000	0.0003	0.9995	0.0001	
311575	PI	403151	DM 43	Bangladesh	Southern_Asia	1975-8-4	AUS	0.0001	0.0001	0.0088	0.9909	0.0001	
311576	PI	403214	DNJ 121	Bangladesh	Southern_Asia	1975-8-4	AUS	0.0002	0.0002	0.0015	0.9979	0.0003	

311577	PI	403235	DNJ 169	Bangladesh	Southern_Asia	1975-8-4	AUS	0.0001	0.0003	0.0183	0.9812	0.0001
311578	PI	403240	Doble Carolina Cesia	Uruguay	South_America	1975-8-4	AUS	0.0003	0.0001	0.0006	0.9989	0.0001
311579	PI	403304	DV 118	Bangladesh	Southern_Asia	1975-8-4	AUS	0.0001	0.0001	0.0003	0.9994	0.0001
311580	PI	403516	Iaca Claro	Guinea-Bissau	Africa	1975-8-4	TEJ-TRJ	0.4634	0.5355	0.0002	0.0004	0.0004
311581	PI	413900	S.R.	Sri Lanka	Southern_Asia	1976-11-10	IND	0.0003	0.0008	0.8490	0.1498	0.0001
311582	PI	414546	Banjul	Gambia	Africa	1976-10-17	IND	0.0950	0.0042	0.8781	0.0172	0.0055
311583	PI	418206	Bakula	Sierra Leone	Africa	1977-7-15	TRJ	0.9920	0.0030	0.0004	0.0013	0.0033
311584	PI	418208	Pa Fiele	Sierra Leone	Africa	1977-7-15	TRJ	0.9980	0.0016	0.0002	0.0001	0.0001
311585	PI	418210	Pa Kebile	Sierra Leone	Africa	1977-7-15	TRJ	0.9978	0.0014	0.0001	0.0002	0.0004
311586	PI	430909	Santhi 990	Pakistan	Southern_Asia	1978-12-29	ARO-IND-AUS	0.0014	0.0367	0.3358	0.2126	0.4134
311587	PI	430956	P 737	Pakistan	Southern_Asia	1978-12-29		0.0004	0.0001	0.9979	0.0014	0.0001
311588	PI	430978	Amber Coarse	Iraq	Mideast	1978-12-29	AUS	0.0028	0.0014	0.0028	0.9928	0.0003
311589	PI	431005	Pachodi 427	India	Southern_Asia	1978-12-29	AUS	0.0004	0.0003	0.0033	0.9955	0.0005
311590	PI	431060	Sadri Siah Dum	Iran	Mideast	1978-12-29	AUS-IND	0.0077	0.0032	0.4766	0.5109	0.0016
311591	PI	431078	Heenat 13224	Sri Lanka	Southern_Asia	1978-12-29	AUS	0.0079	0.2917	0.0006	0.6687	0.0310
311592	PI	431204	UZ ROS 7-13	Uzbekistan	Central_Asia	1978-12-29	AUS	0.0002	0.0002	0.0025	0.9968	0.0003
311593	PI	431205	Italica Alef Ambeste Rojj	Azerbaijan	Central_Asia	1978-12-29	AUS	0.0002	0.0002	0.0026	0.9965	0.0005
311594	PI	431206	Celhoa Kben Kyemy Zymestny	Uzbekistan	Central_Asia	1978-12-29	AUS	0.0002	0.0002	0.0030	0.9960	0.0006
311595	PI	431343	P 1293	Turkey	Mideast	1978-12-29	AUS	0.0041	0.0042	0.0026	0.9868	0.0022
311596	PI	433799	SL 22-620	Sierra Leone	Africa	1979-6-1	AUS	0.0006	0.0059	0.0072	0.9854	0.0009
311597	PI	433803	SL 22-632	Sierra Leone	Africa	1979-6-1	TRJ	0.9980	0.0012	0.0002	0.0003	0.0002
311598	PI	433818	SL 31-693	Sierra Leone	Africa	1979-6-1	TRJ	0.9958	0.0034	0.0002	0.0005	0.0001
311599	PI	433823	SL 31-709	Sierra Leone	Africa	1979-6-1	TRJ	0.9973	0.0010	0.0002	0.0007	0.0008
311600	PI	434614	Jyanak	Bhutan	Southern_Asia	1979-7-1	TEJ-ARO-TRJ	0.2398	0.4319	0.0021	0.0010	0.3252
311601	PI	439654	Bluebonnet 50-Calrose	Australia	Oceania	1980-2-1		0.0033	0.0036	0.9884	0.0031	0.0015
311602	PI	449351	Riz Local	Burkina Faso	Africa	1980-6-1	AUS	0.0037	0.0017	0.3533	0.6402	0.0011
311605	PI	490783	UA 1012	Niger	Africa	1984-8-1	AUS	0.0012	0.0005	0.0015	0.9964	0.0005
311606	PI	549215	Dhan	Nepal	Southern_Asia	1984-12-13	IND	0.0004	0.0004	0.7301	0.2684	0.0007
311607	PI	574756	Kachilon	Bangladesh	Southern_Asia	1993-7-28	AUS	0.0002	0.0030	0.0035	0.9930	0.0003
311608	PI	574758	Bowalia	Bangladesh	Southern_Asia	1993-7-28	AUS	0.0003	0.0003	0.0033	0.9955	0.0005
311609	PI	574796	Goria	Bangladesh	Southern_Asia	1993-7-28	AUS	0.0007	0.0009	0.0032	0.9947	0.0005
311610	PI	584587	BISER 2	Macedonia	Eastern_Europe	1991-10-31	TRJ	0.8666	0.0446	0.0009	0.0003	0.0876
311611	PI	70304	Chang Chun Ah Wulissu	China	China	1926-12-1	AUS	0.0001	0.0002	0.0004	0.9992	0.0000
311612	Clor	7253	WC 2843	Indonesia	South_Pacific	1928-3-1	TRJ	0.9738	0.0014	0.0093	0.0006	0.0149
311613	PI	127076	Spin Mere	Afghanistan	Southern_Asia	1938-2-1	AUS	0.0024	0.0012	0.0118	0.9811	0.0036
311614	PI	143747	Djauh	Liberia	Africa	1942-1-5	TRJ	0.9991	0.0005	0.0002	0.0002	0.0001
311615	PI	160457	Yang Hsien Tao	China	China	1947-11-25	IND	0.0052	0.0056	0.9881	0.0009	0.0002
311616	PI	160551	Fan Ho Chan	China	China	1947-11-25	IND	0.0003	0.0002	0.9990	0.0004	0.0001
311617	PI	160865	WC 517	China	China	1947-11-25	TEJ-TRJ	0.3833	0.5801	0.0330	0.0028	0.0009
311618	PI	162365	Ziok Do 49	Korea_South	North_Pacific	1948-2-1	TEJ	0.0039	0.9652	0.0291	0.0005	0.0013
311619	PI	184386	Baros	Guyana	South_America	1949-9-13	TRJ	0.9990	0.0007	0.0001	0.0001	0.0001
311620	PI	189460	Romeno	Portugal	Western_Europe	1950-5-1	TEJ	0.0781	0.9018	0.0002	0.0010	0.0190
311621	PI	220270	Surang Intan	Malaysia	South_Pacific	1954-8-6	AUS	0.0002	0.0001	0.0011	0.9985	0.0001
311622	PI	223490	GPNO 22570	Guatemala	Central_America	1955-1-24	AUS	0.0038	0.0019	0.3659	0.6280	0.0005
311623	PI	224810	GINBOZU CHUSEI	Japan	North_Pacific	1955-4-20	AUS	0.0004	0.0021	0.0004	0.9971	0.0001
311624	PI	266097	SUDUWI 305	Sri Lanka	Southern_Asia	1960-6-7	IND	0.0008	0.0025	0.6280	0.3685	0.0002
311625	PI	267999	Sraguna Brunca de Nos Violaceos	Portugal	Western_Europe	1960-9-7	TEJ	0.0080	0.9905	0.0002	0.0003	0.0010
311626	PI	282387	MAYANG EBOS 80	Malaysia	South_Pacific	1962-7-26	AUS	0.0002	0.0002	0.0086	0.9910	0.0001
311627	PI	351117	Dikwee	Nigeria	Africa	1970-6-22	IND	0.0015	0.0025	0.7109	0.2848	0.0002
311628	PI	353648	IARI 5828	India	Southern_Asia	1970-5-4	TEJ	0.0076	0.9881	0.0018	0.0022	0.0004
311629	PI	373043	62-355	Sri Lanka	Southern_Asia	1972-3-27	IND	0.0001	0.0001	0.7136	0.2861	0.0000
311630	PI	373122	Hatadawee	Sri Lanka	Southern_Asia	1972-3-27	IND	0.0001	0.0003	0.6500	0.3495	0.0000
311631	PI	373179	Yanayanan	Philippines	South_Pacific	1972-3-27	IND	0.0006	0.0006	0.9588	0.0398	0.0001
311632	PI	373259	Wanni Dahanala	Sri Lanka	Southern_Asia	1972-3-27	IND	0.0018	0.0760	0.6901	0.2319	0.0002

311633	PI	373272	Khao Panh	Laos	Southeast_Asia	1972-3-27	TRJ-TEJ	0.4944	0.3888	0.0090	0.0271	0.0808
311634	PI	373331	Patchaiperumal	Sri Lanka	Southern_Asia	1972-3-27	IND	0.0001	0.0003	0.6586	0.3410	0.0000
311635	PI	373335	AMANE	Sri Lanka	Southern_Asia	1972-3-27	IND	0.0001	0.0002	0.6518	0.3478	0.0000
311636	PI	373349	Kaluheenati	Sri Lanka	Southern_Asia	1972-3-27	IND	0.0004	0.0009	0.8662	0.1324	0.0001
311637	PI	373351	Kahatawee	Sri Lanka	Southern_Asia	1972-3-27	IND-AUS	0.0002	0.0002	0.5924	0.4071	0.0000
311638	PI	373363	Badulla	Sri Lanka	Southern_Asia	1972-3-27	IND	0.0014	0.0028	0.7149	0.2808	0.0002
311639	PI	373452	ARC 10303	India	Southern_Asia	1972-3-27	AUS	0.0007	0.0013	0.0007	0.9957	0.0016
311640	PI	373463	ARC 10378	India	Southern_Asia	3-27-1972	AUS	0.0003	0.0001	0.0150	0.9840	0.0005
311641	PI	373589	ARC 10786	India	Southern_Asia	1972-3-27	IND	0.0244	0.0273	0.9431	0.0005	0.0046
311642	PI	373781	Tia Bura	Indonesia	Oceania	1972-3-27	TRJ	0.7205	0.2330	0.0252	0.0004	0.0209
311643	PI	373820	Padi Tarab Arab	Malaysia	South_Pacific	1972-3-27	TRJ	0.8429	0.0562	0.0027	0.0019	0.0963
311644	PI	385697	P 35	India	Southern_Asia	1974-2-20	AUS	0.0003	0.0006	0.0045	0.9921	0.0026
311645	PI	389041	Chi An Tsao	Taiwan	China	1974-9-1	IND	0.0002	0.0002	0.9937	0.0052	0.0007
311646	PI	389088	Pa Yueh Huang	Taiwan	China	1974-9-1	IND	0.0127	0.0004	0.9440	0.0111	0.0318
311647	PI	389874	Siharboei	Indonesia	South_Pacific	1974-9-1	TRJ	0.7363	0.2461	0.0005	0.0046	0.0125
311648	PI	389959	Srav Ankor	Cambodia	Southeast_Asia	1974-9-1	IND	0.0022	0.0025	0.9625	0.0117	0.0211
311649	PI	391936	Ali Combo	Madagascar	Africa	1974-11-27	IND	0.0002	0.0005	0.9936	0.0053	0.0004
311650	PI	392266	Khao Pahk Maw	Thailand	Southeast_Asia	1975-1-13	AUS	0.0037	0.0016	0.0135	0.9718	0.0095
311651	PI	392571	KERR SAIL	India	Southern_Asia	1975-2-3	IND	0.0007	0.0003	0.9970	0.0017	0.0003
311652	PI	392598	ANAK DIDEK	Malaysia	South_Pacific	1975-2-3	IND	0.0032	0.0017	0.7101	0.2846	0.0004
311653	PI	392610	POPEY	Cambodia	Southeast_Asia	1975-2-3	AUS	0.0002	0.0002	0.0057	0.9936	0.0003
311654	PI	392630	CAROLINO 164	Chad	Africa	1975-2-3	AUS	0.0002	0.0005	0.0009	0.9982	0.0001
311655	PI	392674	Badal 33	Bangladesh	Southern_Asia	1975-2-3	IND	0.0039	0.0020	0.9875	0.0035	0.0031
311656	PI	392677	*ASWINA 330	Bangladesh	Southern_Asia	1975-2-3	AUS	0.0004	0.0001	0.0083	0.9911	0.0001
311657	PI	392760	Chau Ba In	Cambodia	Southeast_Asia	1975-2-3	IND	0.0006	0.0057	0.6485	0.3441	0.0010
311658	PI	392795	Snet Chek	Cambodia	Southeast_Asia	1975-2-3	AUS	0.0001	0.0001	0.0003	0.9994	0.0001
311659	PI	392796	Tranoeup Krassaing	Cambodia	Southeast_Asia	1975-2-3	IND-TEJ-AUS	0.0015	0.3496	0.4687	0.1735	0.0066
311660	PI	392932	NACHIN 11	Malaysia	South_Pacific	1975-2-3	TRJ	0.9443	0.0497	0.0002	0.0025	0.0033
311661	PI	393135	Suduwee	Sri Lanka	Southern_Asia	1975-2-3	IND	0.0016	0.0006	0.6571	0.3405	0.0002
311662	PI	400080	DINALAGA	Philippines	South_Pacific	1975-5-7	TRJ	0.9932	0.0059	0.0001	0.0006	0.0001
311663	PI	400273	516	Uruguay	South_America	1975-3-24	AUS	0.0025	0.0025	0.3697	0.6242	0.0010
311664	PI	402525	SHIMOKITA	Japan	North_Pacific	1975-6-19	AUS	0.0140	0.0015	0.0043	0.9793	0.0008
311665	PI	402991	DA 24	Bangladesh	Southern_Asia	1975-8-4	AUS	0.0002	0.0001	0.0006	0.9991	0.0001
311666	PI	403128	DK 12	Bangladesh	Southern_Asia	1975-8-4	AUS	0.0001	0.0000	0.0004	0.9995	0.0000
311667	PI	403469	HKG 98	Mali	Africa	1975-8-4	AUS	0.0268	0.0116	0.0011	0.9573	0.0033
311668	PI	412790	Daudzai Field Mix	Pakistan	Southern_Asia	1976-6-30	AUS	0.0012	0.0007	0.0030	0.9793	0.0158
311669	PI	412811	JP 5	Pakistan	Southern_Asia	1976-6-30	AUS-IND	0.0002	0.0004	0.4837	0.5152	0.0004
311670	PI	420993	Yakadawee	Sri Lanka	Southern_Asia	1977-11-30	IND	0.0006	0.0004	0.8159	0.1831	0.0001
311671	PI	430394	Manzano	Zaire	Africa	1978-12-4	TRJ	0.9983	0.0006	0.0004	0.0004	0.0004
311672	PI	430980	Amber 43	Iraq	Mideast	1978-12-29	AUS	0.3777	0.0022	0.0039	0.6159	0.0003
311673	PI	431059	Sadri Tor Misri	Iran	Mideast	1978-12-29	AUS-IND	0.0045	0.0027	0.4778	0.5134	0.0016
311674	PI	431144	KPF-16	Bangladesh	Southern_Asia	1978-12-29	AUS-IND	0.0003	0.0001	0.4995	0.5000	0.0001
311675	PI	431149	Panta Rubera	Portugal	Western_Europe	1978-12-29	AUS	0.0003	0.0003	0.0033	0.9960	0.0002
311676	PI	433792	SL 22-604	Sierra Leone	Africa	1979-6-1	IND-AUS-TRJ	0.1971	0.0020	0.5782	0.2226	0.0001
311677	PI	439674	Karabaschak	Bulgaria	Eastern_Europe	1980-2-1	TEJ	0.0009	0.9980	0.0001	0.0008	0.0002
311678	PI	439693	Mutant 2	Uzbekistan	Central_Asia	1980-2-1	TEJ	0.0019	0.8114	0.0003	0.0025	0.1840
311679	PI	458453	Rikuki	Turkey	Mideast	1981-3-1	TEJ	0.0018	0.9960	0.0001	0.0017	0.0004
311680	PI	458466	IITA 119	Nigeria	Africa	1981-3-1	TRJ	0.8459	0.0016	0.1519	0.0004	0.0002
311681	PI	549249	N-2346	Nepal	Southern_Asia	1984-12-13	AUS	0.0011	0.0006	0.0007	0.9965	0.0011
311682	PI	549254	2002b	Nepal	Southern_Asia	1984-12-13	TEJ-TRJ-ARO	0.2997	0.4477	0.0011	0.0455	0.2060
311683	PI	574793	Thubri	Bangladesh	Southern_Asia	1993-7-28	AUS	0.0002	0.0002	0.0031	0.9963	0.0001
311684	PI	584620	Hi Muke	Kazakhstan	Central_Asia	1992-6-2	AUS	0.0177	0.0008	0.0056	0.9646	0.0112
311685	PI	597033	WIR 911	Russian Federation	Eastern_Europe	1994-4-28	TEJ	0.0040	0.9764	0.0002	0.0003	0.0192
311705	Clor	9494	Stg 567989	United States	North_America	1961-1-1	IND-TRJ	0.4644	0.0030	0.4726	0.0327	0.0273
311707	Clor	12418	PI 168934-2	Spain	Western_Europe	1948-12-1	TEJ	0.0004	0.9995	0.0000	0.0000	0.0000

311710	PI	54344	Lua Chua Chan	Vietnam	Southeast_Asia	1921-9-1	TRJ	0.9683	0.0195	0.0092	0.0022	0.0008
311711	PI	143749	Djubuh	Liberia	Africa	1942-1-5	TRJ	0.9945	0.0047	0.0003	0.0001	0.0004
311712	PI	198143	Patheinwa	Myanmar	Southeast_Asia	1951-9-1	TRJ	0.6681	0.2393	0.0437	0.0225	0.0264
311713	PI	214077	Sereno	Jamaica	Central_America	1954-2-11	IND	0.0162	0.0028	0.9804	0.0004	0.0003
311714	PI	220725	BENONG 130	Indonesia	South_Pacific	1954-9-9	IND	0.0002	0.0003	0.9993	0.0001	0.0001
311715	PI	220758	URANG URANGAN 89	Indonesia	South_Pacific	1954-9-9	TEJ	0.0003	0.9995	0.0001	0.0000	0.0001
311716	PI	224942	BELLARDONE	France	Western_Europe	1955-4-19	TEJ	0.0003	0.9995	0.0001	0.0000	0.0000
311717	PI	226340	C1-101-2-4	Mexico	North_America	1955-6-10	TRJ	0.6853	0.0181	0.2963	0.0002	0.0002
311718	PI	226355	CI-466-3-4	Mexico	North_America	1955-6-10	IND	0.0452	0.0539	0.9006	0.0001	0.0001
311719	PI	226363	C1-507-1-2	Mexico	North_America	1955-6-10	IND	0.0429	0.0566	0.9001	0.0003	0.0002
311720	PI	226370	C1-621-3-4	Mexico	North_America	1955-6-10	TRJ	0.6638	0.0021	0.3331	0.0008	0.0002
311721	PI	263814	81 B-145	Suriname	South_America	1960-3-7	TRJ-IND-AUS	0.5008	0.0014	0.3456	0.1504	0.0019
311722	PI	263820	VD 5096-73-6	Suriname	South_America	1960-3-7	TRJ-IND	0.5407	0.0035	0.4224	0.0219	0.0115
311723	PI	263829	K8C-634-10	Suriname	South_America	1960-3-7	TRJ-IND-AUS	0.5656	0.0022	0.3006	0.1274	0.0042
311724	PI	265115	Erythroceros Ramsz	Poland	Eastern_Europe	1960-4-27	TEJ	0.0205	0.9788	0.0001	0.0001	0.0005
311725	PI	281914	A 36-3	Myanmar	Southeast_Asia	1962-7-13	IND	0.0689	0.0062	0.8629	0.0166	0.0454
311726	PI	282457	Pah Leuaud 111	Thailand	Southeast_Asia	1962-8-3	IND	0.0007	0.0120	0.9869	0.0002	0.0003
311727	PI	285074	Nahng Sawn	Thailand	Southeast_Asia	1962-11-29	IND	0.0004	0.0005	0.9680	0.0305	0.0005
311728	PI	286176	Nilo No. 2	El Salvador	Central_America	1963-1-28	IND-TRJ-AUS	0.2769	0.0038	0.5747	0.1353	0.0093
311729	PI	297578	MARICH BATI	Bangladesh	Southern_Asia	1964-5-8	IND	0.1977	0.0011	0.7999	0.0004	0.0009
311730	PI	373190	Sipde-K	Philippines	South_Pacific	1972-3-27	TRJ	0.9027	0.0958	0.0002	0.0002	0.0011
311731	PI	373275	Kh. Malenh	Laos	Southeast_Asia	1972-3-27	TRJ-TEJ-ARO	0.4495	0.4105	0.0064	0.0019	0.1316
311732	PI	373287	Nam Manhchanh	Laos	Southeast_Asia	1972-3-27	TRJ-TEJ-ARO	0.5432	0.2648	0.0389	0.0009	0.1523
311733	PI	373320	Khao Hom	Laos	Southeast_Asia	1972-3-27	IND	0.0059	0.0012	0.8020	0.1904	0.0005
311734	PI	373536	ARC 10633	India	Southern_Asia	1972-3-27	IND	0.0325	0.0012	0.7526	0.2131	0.0006
311735	PI	373798	Simpor	Brunei	South_Pacific	1972-3-27	TRJ	0.9139	0.0283	0.0003	0.0520	0.0055
311736	PI	373899	Coppocina	Bulgaria	Eastern_Europe	1972-3-27	TRJ	0.9964	0.0034	0.0001	0.0001	0.0000
311737	PI	385419	*Basmati	Pakistan	Southern_Asia	1974-2-20	ARO	0.0004	0.0003	0.0002	0.0009	0.9983
311738	PI	388303	Ziong Do No. 23	Korea	North_Pacific	1974-3-5	TEJ	0.0004	0.9995	0.0000	0.0001	0.0000
311739	PI	388917	FUJISAKA 5	Japan	North_Pacific	1974-9-1	IND	0.0021	0.0020	0.9947	0.0005	0.0007
311740	PI	389135	Sampao Tong 22	Thailand	Southeast_Asia	1974-9-1	IND	0.0024	0.0005	0.9940	0.0008	0.0023
311741	PI	389150	SOC NAU	Vietnam	Southeast_Asia	1974-9-1	IND	0.0004	0.0003	0.9980	0.0006	0.0007
311742	PI	389152	VE VANG	Vietnam	Southeast_Asia	1974-9-1	IND	0.0005	0.0003	0.9980	0.0008	0.0005
311743	PI	389238	Tra	Vietnam	Southeast_Asia	1974-9-1	IND	0.0002	0.0001	0.9992	0.0005	0.0001
311744	PI	389267	Heo Trang	Vietnam	Southeast_Asia	1974-9-1	IND	0.0276	0.0312	0.9380	0.0004	0.0027
311745	PI	389360	WONG CHIM	Hong Kong	China	1974-9-1	IND	0.0057	0.0064	0.9873	0.0004	0.0002
311746	PI	389365	Hung Tau Keng	China	China	1974-9-1	IND	0.1398	0.0008	0.8410	0.0162	0.0021
311747	PI	391279	Gambiaka	Burkina Faso	Africa	1974-11-20	IND	0.0006	0.0013	0.9959	0.0019	0.0002
311748	PI	391280	Bogarigbeli	Burkina Faso	Africa	1974-11-20	IND	0.0003	0.0009	0.9917	0.0069	0.0001
311749	PI	391352	SDF	Mali	Africa	1974-11-20	IND	0.0047	0.0028	0.7129	0.2792	0.0004
311750	PI	391865	16-Feb	Tanzania	Africa	1974-11-27	IND	0.0007	0.0010	0.9971	0.0009	0.0004
311751	PI	391904	Magoti	Burundi	Africa	1974-11-27	IND	0.0008	0.0010	0.8518	0.1299	0.0165
311752	PI	391938	Geant W7	Netherlands	Western_Europe	1974-11-27	TRJ-IND-AUS	0.4001	0.0026	0.4485	0.1485	0.0003
311753	PI	392583	EKARIN	Myanmar	Southeast_Asia	1975-2-3	TRJ	0.9992	0.0005	0.0001	0.0000	0.0002
311754	PI	392780	GPNO 25198	Philippines	South_Pacific	1975-2-3	IND	0.0096	0.0409	0.9185	0.0072	0.0238
311755	PI	401749	Gogo Sirah	Indonesia	South_Pacific	1975-5-21	AUS-IND-TRJ	0.2339	0.0004	0.2550	0.5105	0.0002
311757	PI	403457	HC 1	Malawi	Africa	1975-8-4	IND	0.0011	0.1769	0.7314	0.0905	0.0001
311758	PI	403556	Jambaram	Guinea-Bissau	Africa	1975-8-4	IND	0.0003	0.0002	0.9988	0.0003	0.0003
311759	PI	403557	JANSUSU	Ghana	Africa	1975-8-4	IND	0.0004	0.0002	0.9989	0.0002	0.0002
311760	PI	406049	Dissi Hatif	Senegal	Africa	1975-11-13	IND	0.0023	0.0019	0.7012	0.2934	0.0013
311761	PI	406572	Phar Com En	Mali	Africa	1976-1-6	IND	0.0002	0.0014	0.9979	0.0003	0.0002
311762	PI	412826	Khara Ganja	Pakistan	Southern_Asia	1976-6-30	IND	0.0002	0.0007	0.6132	0.3854	0.0005
311763	PI	414215	Laka	Indonesia	Oceania	1976-12-13	IND	0.0013	0.0002	0.9967	0.0005	0.0012

311764	PI	414237	Mekeo White	Papua New Guinea	Oceania	1976-12-13	IND	0.0287	0.0016	0.9691	0.0006	0.0000
311765	PI	418207	Pa Boup	Sierra Leone	Africa	1977-7-15	AUS	0.0055	0.0346	0.0027	0.9443	0.0129
311766	PI	431086	Sadri Dum Siah	Iran	Mideast	1978-12-29	IND	0.0004	0.0009	0.9963	0.0022	0.0001
311767	PI	431198	Italica Alef Hz Ros 275	Uzbekistan	Central_Asia	1978-12-29	IND	0.0008	0.0023	0.9956	0.0012	0.0001
311768	PI	431236	P 1042	Former Soviet Union	Eastern_Europe	1978-12-29	IND	0.0220	0.0777	0.9000	0.0001	0.0001
311769	PI	431310	Pakkali	Philippines	South_Pacific	1978-12-29	ARO	0.0020	0.0006	0.0025	0.0010	0.9939
311770	PI	431359	P 1309	Turkey	Mideast	1978-12-29	TEJ	0.0006	0.9988	0.0001	0.0003	0.0001
311771	PI	431365	P 1315	Turkey	Mideast	1978-12-29	IND	0.0006	0.0030	0.7029	0.2932	0.0002
311772	PI	433788	Plah Sew	Thailand	Southeast_Asia	1979-6-1	IND	0.0089	0.0066	0.9663	0.0041	0.0142
311773	PI	433812	SL 22-646	Sierra Leone	Africa	1979-6-1	TRJ-IND	0.5268	0.0010	0.4717	0.0003	0.0001
311774	PI	434623	Thimphu Local	Bhutan	Southern_Asia	1979-7-1	IND	0.0006	0.0006	0.9984	0.0002	0.0001
311775	PI	439024	THAVALU	Sri Lanka	Southern_Asia	1980-1-1	AUS	0.0464	0.0264	0.0085	0.9167	0.0019
311776	PI	439631	Pyrocarpa	Kyrgyzstan	Central_Asia	1980-2-1	TEJ	0.0036	0.9051	0.0002	0.0025	0.0887
311777	PI	439632	Erythroceros	Tajikistan	Central_Asia	1980-2-1	TEJ	0.0099	0.6961	0.0002	0.0006	0.2932
311778	PI	439704	N.F. 17	Russian Federation	Eastern_Europe	1980-2-1	TEJ	0.0012	0.9987	0.0000	0.0000	0.0001
311781	PI	473562	Krachek Chap	Indochina	Southeast_Asia	1982-10-1	IND	0.0051	0.0013	0.9930	0.0004	0.0002
311782	PI	473566	Mayhiya	Fiji	Oceania	1982-10-1	IND	0.0002	0.0003	0.8468	0.1526	0.0001
311783	PI	560224	AFAA MWANZA	Tanzania	Africa	1990-1-16	IND	0.0053	0.0025	0.6428	0.3485	0.0009
311784	PI	574997	Fulbadam	Bangladesh	Southern_Asia	1993-7-28	AUS	0.0005	0.0099	0.0231	0.9660	0.0005
311785	PI	578201	WHASEONG	Korea_South	North_Pacific	1994-2-14	TEJ	0.0002	0.9976	0.0010	0.0010	0.0001
311786	PI	584589	MACEDONIJA	Macedonia	Eastern_Europe	1991-10-31	TEJ	0.0004	0.9994	0.0001	0.0000	0.0001
311787	PI	584632	KRASNODARSKIY 3352	Russian Federation	Eastern_Europe	1992-6-2	TEJ	0.0008	0.9990	0.0002	0.0000	0.0001
311788	PI	585042	EMBRAPA 1200	Brazil	South_America	1991-3-22	TRJ	0.9976	0.0009	0.0013	0.0001	0.0001
311789	PI	596817	SETO BHAKUNDE	Nepal	Southern_Asia	1992-7-20	TEJ-TRJ-ARO	0.2603	0.4729	0.0058	0.0043	0.2568
311790	PI	602637	WAB462-10-3-1	Cote D'Ivoire	Africa	1996-5-14	TRJ	0.9941	0.0010	0.0044	0.0003	0.0003
311791	PI	590414	NSGC 5945	Sierra Leone	Africa	1995-5-17	IND	0.0061	0.0049	0.8961	0.0926	0.0003
311792	PI	561734	*Cypress	United States	North America	2008-10-9	TRJ	0.9018	0.0353	0.0626	0.0001	0.0001
311793	PI	497682	*IR64	Philippines	South Pacific	2008-10-9	IND	0.0001	0.0001	0.9996	0.0001	0.0001
311794	PI	494105	*M202	United States	North America	2008-10-9	TEJ	0.2169	0.7041	0.0788	0.0001	0.0001
311795	PI	514663	*NIPPONBARE	Japan	North Pacific	2008-10-9	TEJ	0.0003	0.9996	0.0001	0.0000	0.0000
	Clor	12037	*Carolina Gold	United States	North America		TRJ	0.9994	0.0004	0.0002	0.0000	0.0000
	PI	475833	*Lemont	United States	North America		TRJ	0.9986	0.0004	0.0008	0.0001	0.0001
	PI	583278	*Kaybonnet	United States	North America		TRJ	0.9981	0.0006	0.0011	0.0000	0.0001
	PI		*Banks	United States	North America		TRJ	0.9973	0.0006	0.0016	0.0002	0.0003
	PI	636726	*Cybonnet	United States	North America		TRJ	0.9920	0.0029	0.0041	0.0002	0.0007
	PI	527707	*Katy	United States	North America		TRJ	0.9862	0.0008	0.0118	0.0003	0.0008
	PI	606331	*Cocodrie	United States	North America		TRJ	0.9792	0.0122	0.0080	0.0003	0.0003
			*Wells	United States	North America		TRJ	0.9498	0.0218	0.0088	0.0189	0.0006
			*Cl161	United States	North America		TRJ	0.9481	0.0082	0.0429	0.0007	0.0001
			*Adair	United States	North America		TRJ	0.9445	0.0011	0.0539	0.0003	0.0001
			*Francis	United States	North America		TRJ	0.9352	0.0052	0.0495	0.0098	0.0003
			*Priscilla	United States	North America		TRJ	0.8643	0.0067	0.1277	0.0006	0.0006
	PI	633624	*Saber	United States	North America		TRJ	0.8139	0.0069	0.1788	0.0002	0.0002
	Clor	9945	*Mars	United States	North America		TRJ	0.7199	0.2799	0.0001	0.0000	0.0001
			*Bengal	United States	North America		TRJ	0.7097	0.2884	0.0017	0.0001	0.0001
	PI	636725	*Medark	United States	North America		TRJ-TEJ	0.5182	0.4782	0.0034	0.0001	0.0001
			*Farm Buster	United States	North America		TRJ-TEJ	0.5863	0.3597	0.0465	0.0072	0.0002
	Clor	9980	*M201	United States	North America		TEJ	0.2252	0.6857	0.0888	0.0002	0.0001
	PI	615014	*Shufeng 109	China	China		IND	0.0001	0.0001	0.9995	0.0001	0.0001
	PI	629016	*Zhe 733	China	China		IND	0.0004	0.0002	0.9989	0.0004	0.0002
	PI	536047	*Teqing	China	China		IND	0.0006	0.0004	0.9988	0.0001	0.0001
	PI	595927	*Jasmine85	United States	North America		IND	0.0003	0.0013	0.9980	0.0002	0.0002
	PI	615205	*Jing185_7	China	China		IND	0.0001	0.0004	0.9862	0.0124	0.0009