

LENTIL GERMPASM CATALOG

The background of the entire page is a collage of different lentil varieties. The lentils are arranged in a star-like pattern, with white lines radiating from the center to the edges, dividing the image into several triangular sections. Each section contains a different variety of lentils, showing a wide range of colors and textures. The colors include light tan, dark brown, reddish-brown, and speckled patterns. The lentils are densely packed, filling the entire frame.

ICARDA and its Mission

The International Center for Agricultural Research in the Dry Areas (ICARDA) was established in 1977 to undertake research relevant to the needs of developing countries and specifically for the agricultural systems in West Asia and North Africa. The overall objective of the Center is to contribute towards increased agricultural productivity, thereby increasing the availability of food in both rural and urban areas, and thus improving the economic and social well-being of people.

Though devoted mainly to winter-rainfed agriculture in areas with 200-600 mm rainfall per annum, ICARDA has world responsibility for the improvement of barley, lentil, and faba bean. Where logical, ICARDA's area of concern thus extends into environments with monsoon rainfall or with irrigation. In the winter-rainfed areas, research is also carried out on wheat, kabuli chickpea, and pasture and forage crops. Development of improved farming systems is a major component in the Center's research program. The Center undertakes and supports training.

ICARDA is one of 13 international research centers receiving support from donors through the Consultative Group on International Agricultural Research (CGIAR). CGIAR, an association of governments, organizations, and private foundations, supports agricultural research worldwide to improve food production in developing countries.

LENTIL GERMPLASM CATALOG

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FOREWORD

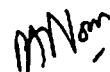
The lentil (*Lens culinaris*) is cultivated on about 2 million hectares per annum around the world. The countries bordering the Mediterranean Sea and those in the Indo-Pakistan subcontinent are the major producers of this crop. Lentils are also produced in the Americas, where in some areas the crop has assumed local importance. It is a significant and cheap source of dietary protein to many people in the developing world. Its by-product, the straw, is a valuable animal feed. The crop is valued for its role in the cropping system as it needs few inputs and has a beneficial effect on the soil fertility because of symbiotic nitrogen fixation.

The International Center for Agricultural Research in the Dry Areas (ICARDA) has been assigned a worldwide mandate for the improvement of lentils. In attempting to meet this mandate, ICARDA is well situated in Syria, which is within the Fertile Crescent where the crop originated, and only about 100 km from Mureybit where the oldest lentil remains (dating 8500-7500 BC) have been discovered.

The Food Legume Improvement Program (FLIP) at ICARDA has assembled a collection of 5424 lentil accessions from 53 countries. Following evaluation, the collection is now serving as the genetic base for lentil improvement. Because of the paucity of earlier breeding efforts, the bulk of the collection is composed of landraces. Facilities for the maintenance of this collection in cold storage are being developed at ICARDA under the auspices of our newly-formed Genetic Resources Unit.

ICARDA has provided lentil germplasm to scientists all over the world. In order to further stimulate and facilitate the use of lentil genetic resources by national and international breeding programs, FLIP has compiled the passport and available evaluation information on the current lentil accessions in the form of this catalog. It follows the Kabuli Chickpea Catalog which was published by ICARDA in 1983 and is again a co-operative effort with the International Board for Plant Genetic Resources (IBPGR). The Lentil Germplasm Catalog will be followed by another on faba beans (*Vicia faba*).

It is my sincere hope that the availability of the Lentil Germplasm Catalog to lentil researchers will encourage a more efficient use of the available lentil germplasm and hasten the program of genetic improvement in this crop.



Mohamed A. Nour
Director General

Acknowledgments

The authors wish to express their gratitude to Dr. M.C. Saxena, Program Leader, Food Legume Improvement Program, ICARDA for his constant encouragement and guidance.

An undertaking of this size is, of necessity, a team effort. The authors wish to acknowledge the unstinting assistance of the lentil breeding staff, namely Mr. Ahmed Hamdi, Research Associate; Mr. Bilal Humeid, Miss Lina Khoury, Mr. Ussama Obaji, Research Assistants; Mr. Ali Ismail, Miss Fadwa Zabalawi, Mr. Krikor Minassian and Mr. Omar Labban, Research Technicians.

The evaluation of susceptibility to Orobanche was undertaken by Mr. Hassan Masri and Mr. Atef Haddad. Dr. P.C. Williams evaluated the accessions for protein content, and Dr. Nadir Izgin and Mrs. K. Meyveci scored the germplasm for susceptibility to cold at Hymana, Ankara. To these our thanks are due.

Our special thanks go to Mr. K. El-Bizri, Director Computer Services, for his considerable efforts in making it possible to produce this catalog on the VAX 11/780 computer.

Dr. Yawooz Adham, of ICARDA's Genetic Resources Unit, was of invaluable assistance in the analysis of the data.

We thank Miss Aida Battikha for entering the passport and evaluation data onto the computer, and Miss Rania Barrimo for typing the manuscript.

The authors wish to thank the donors, collectors, and donor and collecting organisations listed on pages 5 to 15, without whose efforts and generosity it would not have been possible to assemble such a diverse and large germplasm collection.

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INTRODUCTION

The International Center for Agricultural Research in the Dry Areas (ICARDA) has a world mandate for the improvement of lentils (Lens culinaris Med.). From its inception, the center has given a high priority to assembling lentil germplasm to serve as the genetic base for the future improvement of the crop. The lentil germplasm collection comprises 5424 accessions from 53 countries and 40 donor organisations. In 1977, ICARDA inherited 2455 of these accessions, from the Arid Lands Agricultural Development Program (ALAD) of the Ford Foundation, Beirut, Lebanon.

ICARDA has also placed a major emphasis on the evaluation of the lentil germplasm; and the evaluation data for 19 characters are included in the catalog. For 15 of these characters the work was conducted at ICARDA, Tel Hadya, over three seasons, 1978/79, 1979/80, and 1981/82; screening for tolerance to Orobanche crenata was undertaken at Kafr Antoon, a site heavily infested with O. crenata seed. The evaluation for cold tolerance was done in a severe winter at Haymana, near Ankara, Turkey, in cooperation with the Turkish National Legume Program.

The catalog aims to serve as a catalyst for the exploitation of the variation of cultivated Lens. The following section 'How to use the catalog' outlines some of the different ways of using the information.

The evaluation data have been analysed separately for each of the three growing seasons at Tel Hadya. Since the species Lens culinaris is commonly divided into macroserma and microserma on the basis of seed size, the data were also analysed separately for large and small seeded accessions. A seed weight of 4.5g/100 seeds was used to divide the accessions into the macroserma and microserma groups.

The data were initially computerised using a North Star Horizon micro-computer with a much-modified GDM software package of the DISR, University of Colorado. Due to the severe limitations of the computer and the software for analysing the large data sets involved, the data were transferred from the North Star to ICARDA's VAX 11/780 computer. The data were then analysed using SPSS. In addition, we used a set of programs, written by the Computer Services Department at ICARDA, for the initial file handling and editing, and for report generating and summarising alphanumeric data. The histograms were printed on the computer from an edited SPSS output file. A program, also written by the ICARDA's computing services department, modified the histograms to make them

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more suitable for publication. The text was prepared and a camera-ready copy produced on the VAX 11/780.

HOW TO USE THIS CATALOG

The catalog contains information which is arranged to allow ready access to the following:

1. A summary of each passport and evaluation character or descriptor. Each evaluation descriptor and its various descriptor states are defined with each statistical summary. For the evaluation data, the analyses are repeated by year, and by seed size.
2. For each country of origin the mean, standard deviation, and maximum and minimum values are given for each descriptor from a one-way analysis of variance.
3. A correlation matrix of the evaluation data to assist in querying the data base.
4. The passport and evaluation data of individual accessions.

Querying the data base

For an individual character the results of a query are given with the summary. For example, seven accessions have a 100-seed weight above 8.0 g, (Table 14).

However, it is possible to make more complex queries to arrive at a set of accessions which meet the desired specifications of the breeder. Recently, a request came to ICARDA from the national program in Chile for all the large seeded, early flowering accessions that did not come from Chile. The following example illustrates how the data base is queried:

Question 1

All accessions with a 100-seed weight ≥ 6.0 g.

165 accessions qualify.

Question 2

All accessions with a 100-seed weight ≥ 6.0 g that do not come from Chile.

115 accessions qualify.

Question 3

All accessions with a 100-seed weight ≥ 6.0 g, that do not come from Chile, that flower in 128 d or less.

45 accessions qualify.

Further Questions

Further selections can be made from these 45 accessions. For example, of the above 45 accessions 15 have a height greater than 32 cm and 10 have a first pod height greater than 19 cm.

To select material, on the basis of complex queries, Tables 25 to 28 will be found useful. A breeder that requests material from a particular country can see from tables 26-28 the main characteristics of those accessions. The maximum values in Table 27 show, for example, that accessions mainly from Egypt, Ethiopia, India, Iran, and Syria will be selected if material with seeds per pod equal to 2.0 are requested. Moreover, from the correlation matrix (Table 25) it can be seen that no accessions will qualify if accessions with high number of seeds per pod and a high 100-seed weight are requested, since they are highly negatively correlated ($r = -0.6$). In contrast, 100-seed weight is weakly correlated with time to flowering so a query for early-flowering, large-seeded material will produce some accessions that qualify.

In summary, the data presented here will enable the breeder to query the data base intelligently, and enable the selection of a specific set of germplasm to suit his or her purpose.

Questions can also be formulated to arrive at a specific number of accessions. For example, the 200 accessions with the earliest maturity can be requested.

The passport data are listed for several reasons, which include:

1. Breeders can be aware of the origin of the material in the ICARDA collection. They can determine to what extent their collection duplicates that of ICARDA, and can request accessions accordingly.
2. The origin of any accession in which a breeder is interested can be found by consulting the list.
3. It is hoped that the donors of the material will check the passport information and inform us of any errors or omissions. The data base at ICARDA can then be revised.

AVAILABILITY OF SEED

Seed of the accessions is available from the Food Legume Improvement Program (FLIP) of ICARDA. As can be seen above, any specific set of accessions may be requested on the basis of the passport and evaluation presented in this catalog.

PASSPORT INFORMATION

DESCRIPTORS USED

ACCESSION NUMBER (ILL)

International Legume Lentil (ILL) accession number.

DONOR ORGANISATION (Don Org)

The name of the organisation from which the collection was obtained.

DONOR NUMBER (Don No)

The name or number of the accession as sent by the donor or donor organisation.

COLLECTOR/BREEDING ORGANISATION (Col Org)

The name of the organisation which originally collected or bred the accession.

NAME OF COLLECTOR (Collector)

The name/names of person/persons responsible for the collection of the accession.

COLLECTION NUMBER OR PEDIGREE (Col No (Pedigree))

As indicated by the donor.

DATE OF COLLECTION (CDat)

The month and year when the collection was made (e.g. March 1981=0381).

COUNTRY OF ORIGIN (Cou)

The country of collection or the country where bred.

PROVINCE OR TOWN (Province or Town)

The province or the town from where the accession was collected.

DATE RECEIVED BY ICARDA/ALAD (Rdat)

The month and year when the collection was received by ICARDA or ALAD.

INDEX (Ind)

Indicates presence of additional collection information for that accession.

REMARKS (Remarks)

Additional site data e.g. location of collection.

LATITUDE (Lat)

Latitude of collection (⁰N/S).

LONGITUDE (Long)

Longitude of collection (⁰W/E).

ALTITUDE (Alt)

Elevation (m) of collection above sea level.

THE DONOR ORGANISATIONS

ANK	Department of Field Crops, Faculty of Agriculture, Ankara University, Ankara, Turkey.
ARARI	Plant Introduction Centre, Menemen, Izmir, Turkey.
ARCG	Agricultural Research Centre, Giza, Egypt.
ARIN	Agricultural Research Institute, Ministry of Agriculture, Nicosia, Cyprus.
CCGC	Cooperatif Centrale des Grandes Cultures, Tunis, Tunisia.
CDC	Crop Development Centre, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.
COOP	Union Cooperative Agricole de Loir et Cher, Blois, Loir et Cher, France.
DUMA	Research Directorate, Ministry of Agriculture, Douma, Syria.
DZ	Addis Ababa University, Agricultural Experiment Station Debre Zeit, Ethiopia.
FAO	Seed Laboratory, F.A.O., Via delle Terme di Caracalla, Rome, Italy.
GATER	Zentralinstitut fur Genetik und Kulturpflanzenforschung, Kulturpflanzenweltsortiment, 4325, Gatersleben, DDR.
IARI	Indian Agricultural Research Institute, New Delhi, India.
IBPGR	International Board for Plant Genetic Resources, Via delle Terme di Caracalla, Rome, Italy.
ICA	Instituto Colombiano Agropecuario, ElDorado, Bogota, Colombia.
ICRISAT	International Crops Research Institute for the Semi-Arid Tropics, Hyderabad, Andhra Pradesh, India.
IFC	Research Institute of Fodder Crops, Larissa, Greece.
INIACOR	Instituto Nacional de Investigaciones Agronomicas, Cordoba, Spain.
INIAMAD	Instituto Nacional de Investigaciones Agronomicas, General Sunjurjo, Madrid, Spain.
INIAP	Instituto Nacional de Investigacion Agropecuaria, Santa Catalina, Quito, Ecuador.
INIATEM	Instituto Nacional de Investigacion Agropecuaria, Estacion Experimental Carillanca, Temuco, Chile.

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INRA	L' Institut National de la Recherche Agronomique, Rabat, Morocco.
INTA	Instituto Nacional de Tecnologia Agropecuaria, Estacion Experimental Agropecuaria de San Pedro, San Pedro, PCIA. Buenos Aires, Argentina.
IPI	N.I. Vavilov All-Union Institute of Plant Industry, Leningrad, USSR.
IUNG	Institute of Soil Science and Cultivation of Plants (IUNG), 24-100 Pulawy, Poland.
IWS	Institute for Wheat and Sunflower, General Toshevo, Bulgaria.
JED	Jednotne Rol'Nicke, Druzstvo 920, 55 Bojnicky, Czechoslovakia.
KHUZ	Khuzestan Water and Power Authority, Andimeshk, Iran.
NARC	National Agricultural Research Centre, Islamabad, Pakistan.
NIAVT	Institute for Agrobotany, Tapioszele, Hungary.
PANT	Department of Plant Breeding, G.B. Pantnagar University of Agriculture and Technology, Pantnagar, India.
PORS	Pulses and Oil Seeds Research Station, Berhampore, West Bengal, India.
PUNJ	Department of Plant Breeding, Punjab Agricultural University, Ludhiana, Punjab, India.
RPIP	USDA Regional Pulse Improvement Project, Karaj, Iran.
SADA	South Australian Department of Agriculture, GPO 1671, Adelaide 5000, Australia.
SANT	Instituto Nacional de Investigaciones Agropecuarias, Estacion Experimental La Platina, Casilla 5427, Santiago, Chile.
SSA	Swedish Seed Association, Upsalla, Sweden.
UJ	Faculty of Agriculture, University of Jordan, Amman, Jordan.
WAGN	Agricultural University, Wageningen, The Netherlands.
WRPIS	Western Regional Plant Introduction Station, USDA, Pullman, Washington, USA.
WSU	Washington State University, Pullman, Washington, USA.

Table 1. Frequency table of donor organisations.

Donor organisation	Number of accessions	Frequency (%)
PUNJ	858	18.2
PANT	851	17.9
RPIP	824	17.4
WRPIS	582	12.3
DZ	348	7.3
UJ	246	5.2
INIACOR	113	2.4
IARI	96	2.0
NIAVT	96	2.0
SANT	84	1.8
PORS	80	1.7
INTA	69	1.5
ARCG	62	1.3
GATER	61	1.3
ARARI	58	1.3
ICRISAT	41	.9
INIAMAD	35	.7
IBPGR	34	.7
FAO	34	.7
IPI	21	.4
IWS	18	.4
KHUZ	16	.3
SSA	15	.3
DUMA	15	.3
WSU	14	.3
CDC	10	.2

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Table 1. Contd.

Donor organisation	Number of accessions	Frequency (%)
IFC	10	.2
ICA	9	.2
SADA	8	.2
NARC	6	.1
INIAP	6	.1
INRA	6	.1
WAGN	4	-
ANK	4	-
CCGC	4	-
INIATEM	3	-
JED	3	-
IUNG	1	-
COOP	1	-
ARIN	1	-

THE COLLECTING ORGANISATIONS

ALAD	Arid Lands Agricultural Development Program, Ford Foundation, Beirut, Lebanon.
ANK	Department of Field Crops, Faculty of Agriculture, Ankara University, Ankara, Turkey.
ARARI	Plant Introduction Centre, Menemen, Izmir, Turkey.
ARCG	Agricultural Research Centre, Giza, Egypt.
ARIN	Agricultural Research Institute, Ministry of Agriculture, Nicosia, Cyprus.
CAG	Cooperatif Agricole Generale, Chaab Ressas, Constantine, Algeria.
CAGM	Cooperatif Agricole Generale, Miziane Cite, Constantine, Algeria.
CCA	Cooperatif des Cereales d'Alger, Tiaret, Algeria.
CCGC	Cooperatif Centrale des Grandes Cultures, Tunis, Tunisia.
CCS	Cooperatif des Cereales de Sidi Bel Abbas, Sidi Bel Abbas, Algeria.
CDC	Crop Development Centre, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.
COOP	Union Cooperative Agricole de Loir et Cher, Blois, Loir et Cher, France.
DUMA	Research Directorate, Ministry of Agriculture, Douma, Syria.
DZ	Addis Ababa University, Agricultural Experiment Station Debre Zeit, Ethiopia.
FAISAL	University of Faisalabad, Faisalabad, Pakistan.
GURD	Department of Plant Breeding, Punjab Agricultural University, Gurdaspur, Punjab, India.
IARI	Indian Agricultural Research Institute, New Delhi, India.
IBPGR	International Board for Plant Genetic Resources, Via delle Terme di Caracalla, Rome, Italy.
ICA	Instituto Colombiano Agropecuario, ElDorado, Bogota, Colombia.
ICARDA	International Center for Agricultural Research in The Dry Areas, Aleppo, Syria.

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ICAFAO	Joint collecting mission by ICARDA and FAO Project TF REM 31 (IBPGR).
ICRISAT	International Crops Research Institute for the Semi-Arid Tropics, Hyderabad, Andhra Pradesh, India.
IFC	Research Institute of Fodder Crops, Larissa, Greece.
INIACOR	Instituto Nacional de Investigaciones Agronomicas, Cordoba, Spain.
INIAMAD	Instituto Nacional de Investigaciones Agronomicas, General Sunjurjo, Madrid, Spain.
INIATEM	Instituto Nacional de Investigacion Agropecuaria, Estacion Experimental Carillanca, Temuco, Chile.
INRA	L' Institut National de la Recherche Agronomique, Rabat, Morocco.
INTA	Instituto Nacional de Tecnologia Agropecuaria, Estacion Experimental Agropecuaria de San Pedro, San Pedro, PCIA. Buenos Aires, Argentina.
IPI	N.I. Vavilov All-Union Institute of Plant Industry, Leningrad, USSR.
IUNG	Institute of Soil Science and Cultivation of Plants (IUNG), 24-100 Pulawy, Poland.
IWS	Institute for Wheat and Sunflower, General Toshevo, Bulgaria.
JNKVV	Jawahar Lal Nehru Krishi Vishwa Vidyalaya (Agricultural University), Jabalpur, Madhya Pradesh, India.
KANPUR	IARI Regional Station, Kanpur, Uttar Pradesh, India.
PANT	Department of Plant Breeding, G.B. Pantnagar University of Agriculture and Technology, Pantnagar, India.
PORS	Pulses and Oil Seeds Research Station, Berhampore, West Bengal, India.
PUNJ	Department of Plant Breeding, Punjab Agricultural University, Ludhiana, Punjab, India.
RPIP	USDA Regional Pulse Improvement Project, Karaj, Iran.
SANT	Instituto Nacional de Investigaciones Agropecuarias, Estacion Experimental La Platina, Casilla 5427, Santiago, Chile.
SSA	Swedish Seed Association, Upsalla, Sweden.
UJ	Faculty of Agriculture, University of Jordan, Amman, Jordan.
USDA	USDA Regional Pulse Improvement Project, New Delhi, India.

WAGN
WSU

Agricultural University, Wageningen, The Netherlands.
Washington State University, Pullman, Washington, U.S.A.

THE COLLECTING ORGANISATIONS AND COLLECTORS

Table 2. Frequency table of collecting organisations.

Collecting organi- sation	Number of accessions	Frequency (%)
USDA	1442	36.4
RPIP	711	17.9
DZ	333	8.4
UJ	246	6.2
ALAD	204	5.2
ICARDA	143	3.6
INIACOR	113	2.9
PORS	85	2.2
SANT	84	2.1
PUNJ	81	2.0
INTA	68	1.7
GURD	58	1.5
ARARI	58	1.5
ARCG	53	1.3
INIAMAD	35	.9
IBPGR	34	.9
JNKVV	28	.7
IARI	21	.5
IWS	18	.5
SSA	15	.4
WSU	14	.4
VAV	14	.4
PANT	12	.3
DUMA	12	.3
ICRISAT	10	.3
ICFAO	7	.2
IFC	7	.2

Table 2. Contd.

Collecting organi- sation	Number of accessions	Frequency (%)
CDC	7	.2
ICA	7	.2
FAISAL	6	.2
KANPUR	6	.2
INRA	6	.2
WAGN	4	.1
ANK	4	.1
CCGC	4	.1
INIATEM	3	.1
CAGM	2	.1
CCS	2	.1
IUNG	1	-
COOP	1	-
ARIN	1	-
CAG	1	-
CCA	1	-

Table 3. Frequency table of collectors.

Collector/s	Number of accessions collected	Frequency (%)
N.Haddad	246	21.7
J.I.Cubero	113	9.9
ICARDA Team (D.Nygaard and W.Erskine)	105	9.2
M.Solh	88	7.7
G.C.Hawtin	87	7.7
K.Sengupta	80	7.0
A.Riva	68	6.0
V.Taygi	58	5.1
A.Nassib	57	5.0
M.A.Bueno	35	3.1
R.P.Croston	32	2.8
C.Cafati	30	2.6
C.L.Behm	15	1.3
Y.Adham	11	1.0
F.Muehlbauer	10	.9
LJG van der Maesen	10	.9
K.Rashid/G.Hawtin	9	.8
K.Rashid	8	.7
Witcombe/Bourg (J.R.Witcombe and J.J.Bourgois)	7	.6

Table 3. Contd.

Collector/s	Number of accessions collected	Frequency (%)
M.A.Castillo	7	.6
A.Slinkard	6	.5
H.Faraj	6	.5
J.J.Bourgois	5	.4
L.R.House	5	.4
A.M.Watson	4	.4
H.Ibrahim	4	.4
E.Westphal	4	.4
Crawford/Bull	4	.4
D.Eser	4	.4
M.Mera	3	.3
S.Ceccarelli	3	.3
W.Erskine	3	.3
J.Bockniarz	1	-
R.Delore	1	-
B.Humeid	1	-
Shafeq Haider	1	-
Smither	1	-
V.E.Wilson	1	-

THE COUNTRIES OF ORIGIN

Abbreviation	Name
AFG	Afghanistan
ALB	Albania
ARG	Argentina
AUS	Austria
BEL	Belgium
BGD	Bangladesh
BGR	Bulgaria
CAN	Canada
CHL	Chile
COL	Colombia
CRI	Costa Rica
CSK	Czechoslovakia
CYP	Cyprus
DDR	East Germany
DFR	West Germany
DZA	Algeria
EGY	Egypt
ESP	Spain
ETH	Ethiopia
FRA	France
GBR	United Kingdom
GRC	Greece
GTM	Guatemala
HUN	Hungary
IND	India
IRN	Iran
IRQ	Iraq
ITA	Italy
JOR	Jordan
JPN	Japan

Abbreviation	Name
LBN	Lebanon
LBY	Libya
MAR	Morocco
MEX	Mexico
NLD	The Netherlands
NOR	Norway
NPL	Nepal
PAK	Pakistan
PAL	Palestine
PER	Peru
POL	Poland
PRT	Portugal
ROM	Romania
SDN	Sudan
SOM	Somalia
SUN	Soviet Union (USSR)
SYR	Syria
TUN	Tunisia
TUR	Turkey
URY	Uruguay
USA	United States of America
YEM	N. Yemen
YUG	Yugoslavia

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Table 4. Frequency table of accessions by country of origin.

Country	Number of Accessions	Frequency (%)
IND	1905	35.2
IRN	902	16.6
ETH	375	6.9
CHL	335	6.2
TUR	313	5.8
JOR	293	5.4
SYR	208	3.8
ESP	151	2.8
AFG	125	2.3
SUN	102	1.9
GRC	92	1.7
EGY	85	1.6
LBN	70	1.3
YEM	37	.7
PAK	37	.7
BGD	36	.7
YUG	25	.5
MEX	24	.4
BGR	23	.4
HUN	23	.4
MAR	22	.4
DDR	22	.4
IRQ	22	.4
USA	20	.4
CSK	18	.3
DZA	14	.3
NPL	12	.2

Table 4. Contd.

Country	Number of Accessions	Frequency (%)
TUN	9	.2
CYP	9	.2
COL	8	.1
ITA	8	.1
FRA	7	.1
ARG	6	.1
PRT	4	.1
POL	4	.1
DFR	3	.1
PER	3	.1
ALB	2	-
CAN	2	-
SOM	2	-
BEL	2	-
GTM	2	-
LBY	1	-
NOR	1	-
URY	1	-
ROM	1	-
NLD	1	-
GBR	1	-
AUS	1	-
SDN	1	-
JPN	1	-
PAL	1	-
CRI	1	-
Unknown	51	.9

EVALUATION INFORMATION

Introduction

The evaluation of the accessions was largely conducted at Tel Hadya, N. Syria which is at 36° 5' N, 36° 55' E, and an altitude of 290m above sea level. The sowing was in 1978, 1979 and 1982 and experimental details are given in Table 5. The climate of this period is summarised in a climato-diagram (Figure 1). The experimental design used was a randomised blocks augmented design with a random sample of accessions grown each year. The crop was not inoculated, but good nodulation was observed.

The evaluation data were analysed over all seasons, and for each season separately. Large-seeded accessions (macrosperma), those with a seed size greater or equal to 4.5g/100 seeds, were analysed separately from small-seeded accessions (microsperma), which have a seed size less than 4.5g/100 seeds.

The descriptors and the scales were chosen to fit as far as possible into the IBPGR format. Thus, a 1 to 9 scale is used where, as far as possible, 1 is the most desirable state for the plant breeder and 9 is the greatest expression of the character. For example, the term cold susceptibility is used, where 1 is the least susceptible and 9 is the most, even though the breeder is, of course, concerned with cold resistance and not susceptibility.

In the statistics on the individual descriptors both kurtosis and skewness are included. Kurtosis is a measure of the degree of peakedness or flatness relative to a normal distribution. A normal distribution has a kurtosis = 3, a flat curve a value less than this and a peaked curve a value more than this. A positively skewed curve is termed as being skewed to the right i.e. there is a tail to the right counter-balanced by many observations being less than but close to the mean. A negatively skewed curve is the opposite of this, whilst a normal curve has a skewness equal to zero.

Figure 1. Climato-diagram of Tel Hadya during the 1978-79, 1979-80 and 1981-82 seasons.



Table 5. Description of Tel Hadya plantings.

	Season		
	1978-1979	1979-1980	1981-1982
Number of accessions grown	1370	2290	376
Date of planting	14/11/1978	19 to 25/11/1979	13/12/1981
Date of first rainfall	30/11/1978	28/11/1979	14/12/1981
Row length (m)	5	5	4
No. of rows/plot	6	6	4
Distance between rows (cm)	25	25	25
Area harvested (m ²)	4	4	3
Plant density (plants/m ²)	200	200	200
P ₂ O ₅ applied (kg/ha)	50	50	50

1. Phenological characters

1.1. Time to flowering (Tifl)

The time, in days, from the first day of rainfall after sowing to when 50% of the plants in a plot flowered (Table 6 and Figure 2).

Table 6. Summary of statistics on time to flowering (d).

	Overall 1979		1980	1982	Large-seeded	Small-seeded
Mean	132.8	127.1	138.8	117.2	135.2	132.4
Maximum	162	152	162	144	158	162
Minimum	100	100	115	110	105	100
Range	62	52	47	34	53	62
Variance	138	98	84	35	83.8	146
CV (%)	8.8	7.8	6.6	5.0	6.8	9.1
Kurtosis	-0.7	-0.8	-0.9	3.0	-0.7	-0.7
Skewness	0.1	0.2	0.3	1.6	0.1	0.1
No. of obs.	4040	1370	2290	376	588	3452

Early Flowering Accessions

Flowering in ≤ 105 d from 1979 small-seeded

ILL 1855	ILL 1856	ILL 1857	ILL 1858	ILL 2658
ILL 2659	ILL 2693	ILL 2697	ILL 2731	ILL 3136
ILL 3207	ILL 3213	ILL 3284		

Flowering in ≤ 105 d from 1979 large-seeded

ILL 3209

Flowering in ≤ 115 d from 1980 small-seeded

ILL 786	ILL 789	ILL 812	ILL 814	ILL 830
ILL 1689	ILL 2171	ILL 2662	ILL 2992	ILL 3134
ILL 3229	ILL 3233			

Table 6. contd.

 Flowering in ≤ 133 d from 1980 large-seeded

ILL 12	ILL 15	ILL 19	ILL 26	ILL 28
ILL 30	ILL 43	ILL 46	ILL 118	ILL 193
ILL 253	ILL 273	ILL 275	ILL 419	ILL 561
ILL 640	ILL 752	ILL 842	ILL 851	ILL 857
ILL 858	ILL 934	ILL 952	ILL 964	ILL 1043
ILL 1459	ILL 1865	ILL 4368		

 Flowering in ≤ 115 d from 1982 small-seeded

ILL 2117	ILL 2134	ILL 2473	ILL 2663	ILL 2853
ILL 2906	ILL 3059	ILL 3444	ILL 3491	ILL 3552
ILL 3639	ILL 3776	ILL 3783	ILL 3790	ILL 3792
ILL 3803	ILL 3814	ILL 3824	ILL 3840	ILL 3854
ILL 3882	ILL 3895	ILL 3907	ILL 3970	ILL 4372

Late Flowering Accessions

 Flowering in ≥ 152 d from 1979 small-seeded

ILL 1124	ILL 1411	ILL 29394
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 Flowering in ≥ 140 d from 1979 large-seeded

ILL 311	ILL 312	ILL 313	ILL 605	ILL 1825
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 Flowering in ≥ 160 d from 1980 small-seeded

ILL 708	ILL 1806	ILL 1808	ILL 1809	ILL 1810
ILL 1935				

 Flowering in ≥ 158 d from 1980 large-seeded

ILL 1828	ILL 2236
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 Flowering in ≥ 141 d from 1982 small-seeded

ILL 519	ILL 4291
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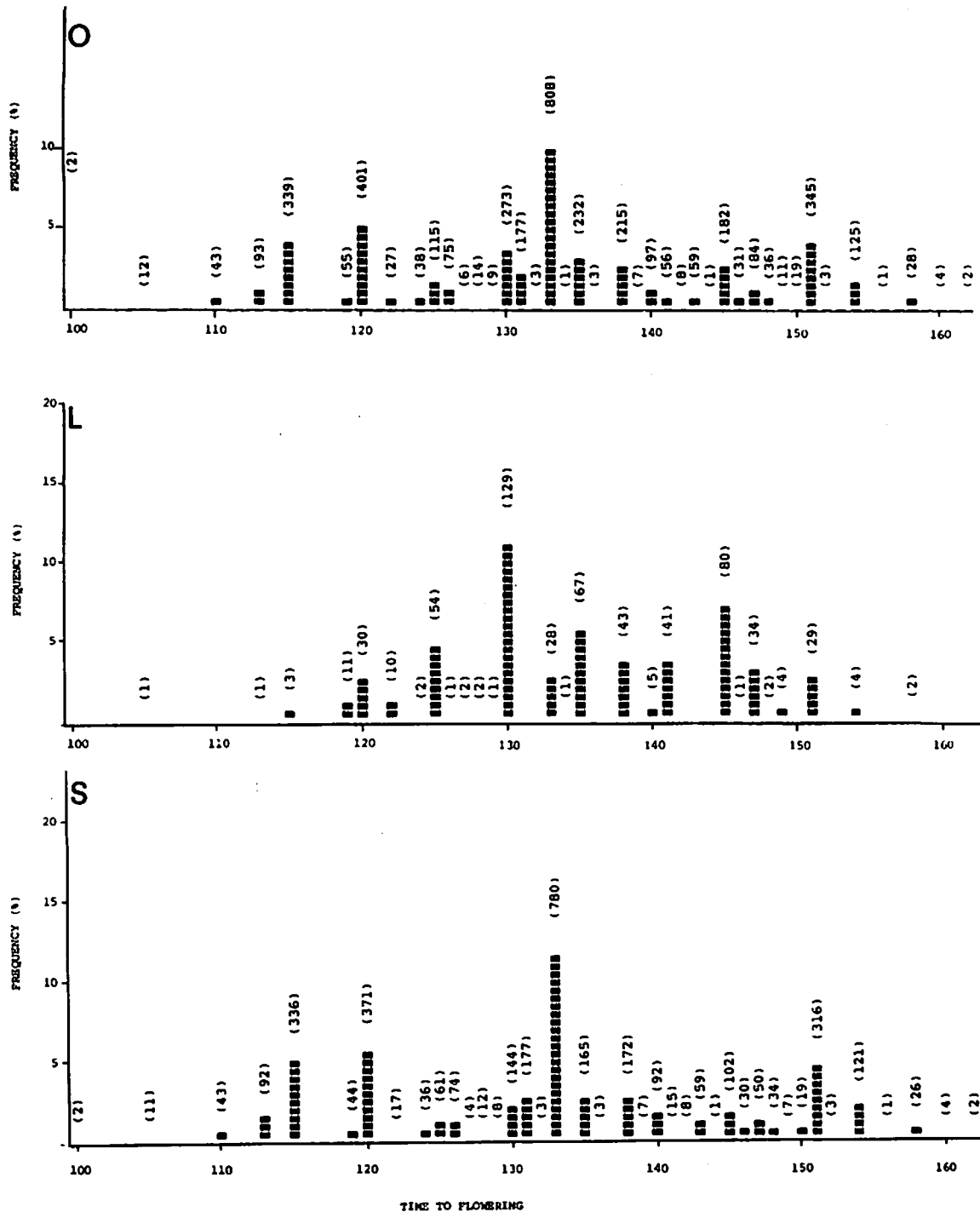
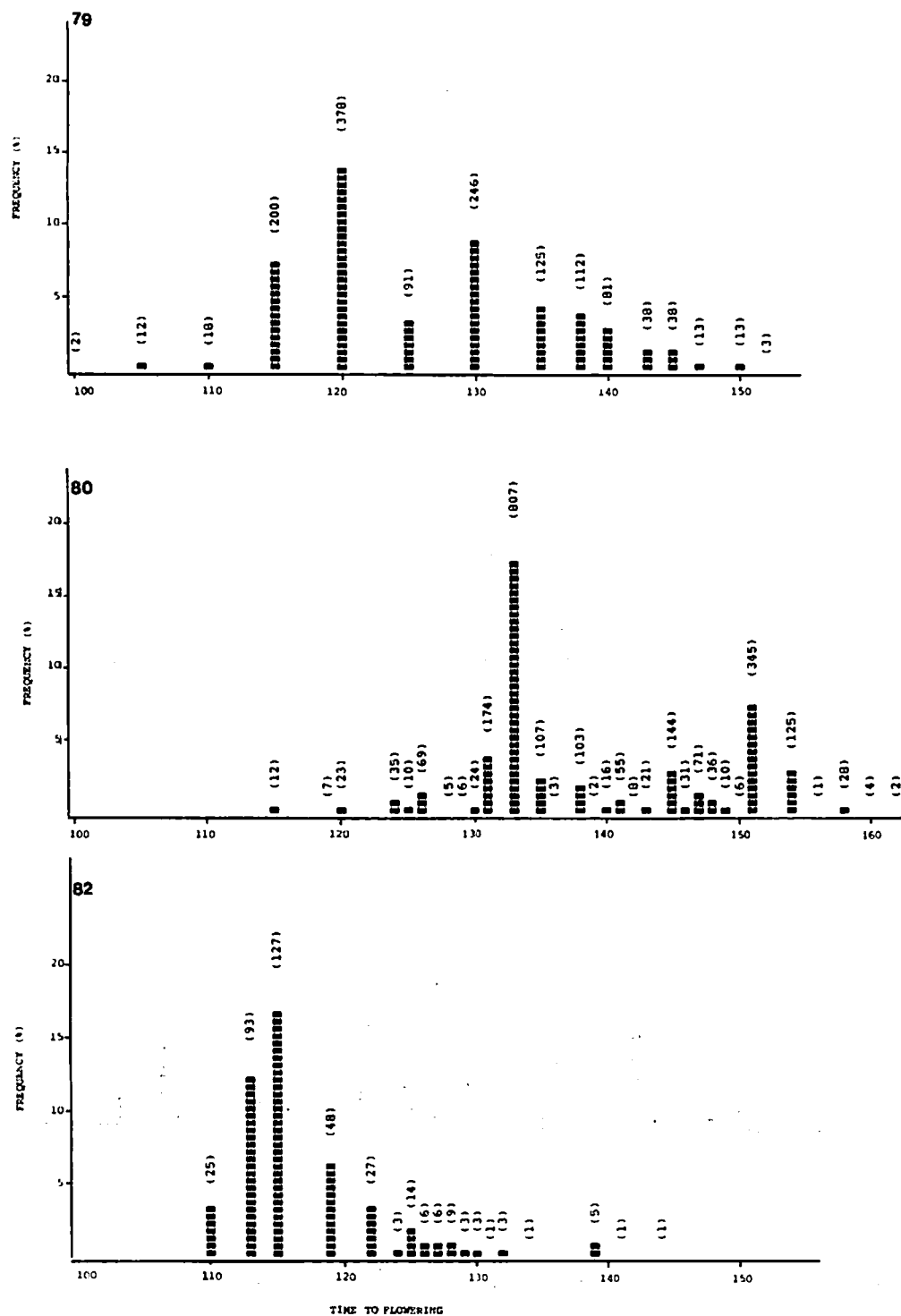


Figure 2. Distribution of time to flowering (days) overall (O), over large-seeded (L) and small-seeded (S) accessions, and in the 1979 (79), 1980 (80) and 1982 (82) seasons.

Figure 2. Contd.



1.2 Time to maturity (Tima)

The time, in days, from the first day of rainfall after sowing to when 90% of the pods in a plot were golden-brown (Table 7 and Figure 3).

Table 7. Summary of statistics on time to maturity (d).

	Overall	1979	1982	Large-seeded	Small-seeded
Mean	163.3	165.6	155.0	171.7	161.6
Maximum	188	188	175	188	185
Minimum	144	150	144	151	144
Range	44	38	31	37	41
Variance	102	87	69	41	97
CV (%)	6.2	5.6	5.3	3.7	6.1
Kurtosis	-1.2	-1.4	-1.0	-0.4	-1.0
Skewness	0.1	0.1	0.6	-0.2	0.3
No. of obs.	1746	1370	376	303	1443

Early Maturing Accessions

Maturing in ≤ 152 d in 1979 small-seeded

ILL 2914 ILL 2915 ILL 3124 ILL 3397 ILL 3399

Maturing in ≤ 157 d in 1979 large-seeded

ILL 9 ILL 10 ILL 779 ILL 3209

Maturing in ≤ 144 d in 1982 small-seeded

ILL 2117 ILL 2552 ILL 2773 ILL 2853 ILL 3431
 ILL 3444 ILL 3491 ILL 3554 ILL 3555 ILL 3732
 ILL 3753 ILL 3765 ILL 3770 ILL 3774 ILL 3776
 ILL 3797 ILL 3814 ILL 3846 ILL 3848 ILL 3854
 ILL 3882 ILL 3901 ILL 3904

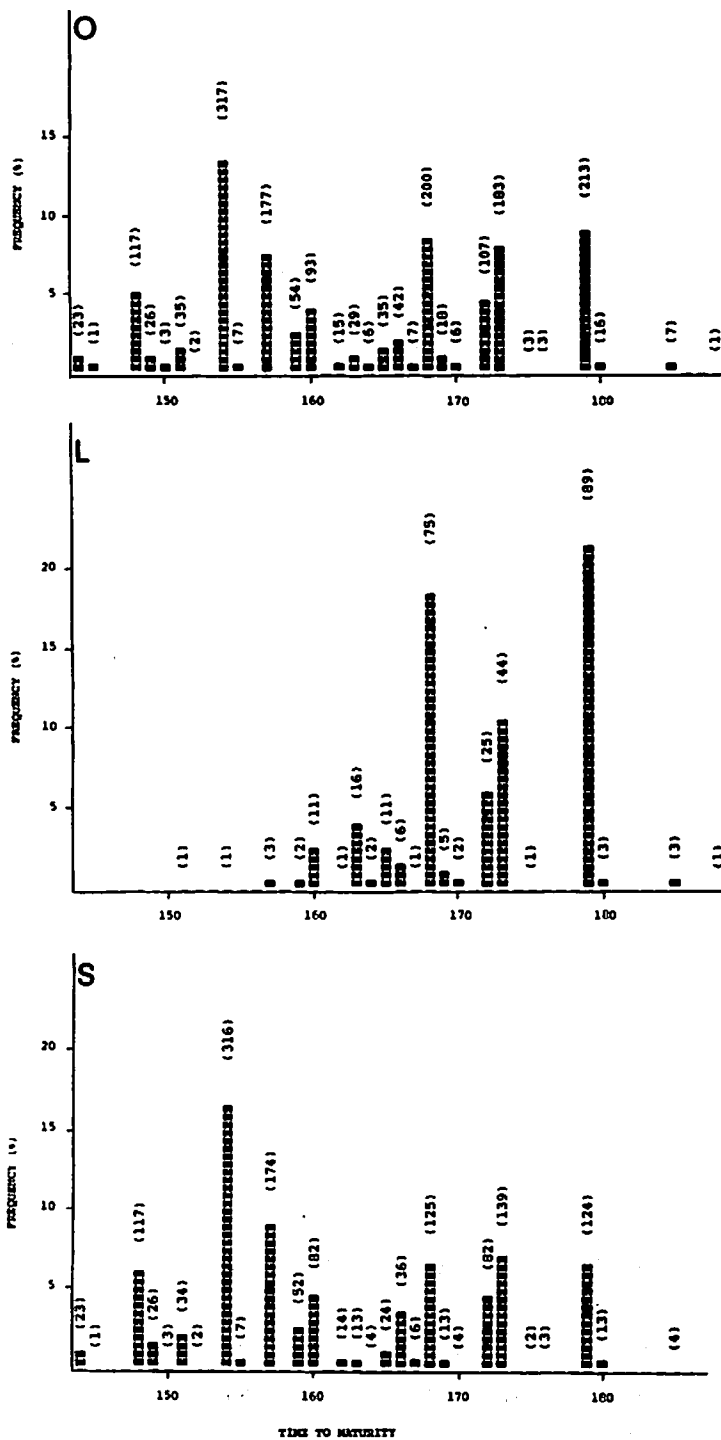


Figure 3. Distribution of time to maturity (days) overall (O), over large-seeded (L) and small-seeded (S) accessions, and in the 1979 (79) and 1982 (82) seasons.

Figure 3. Contd.

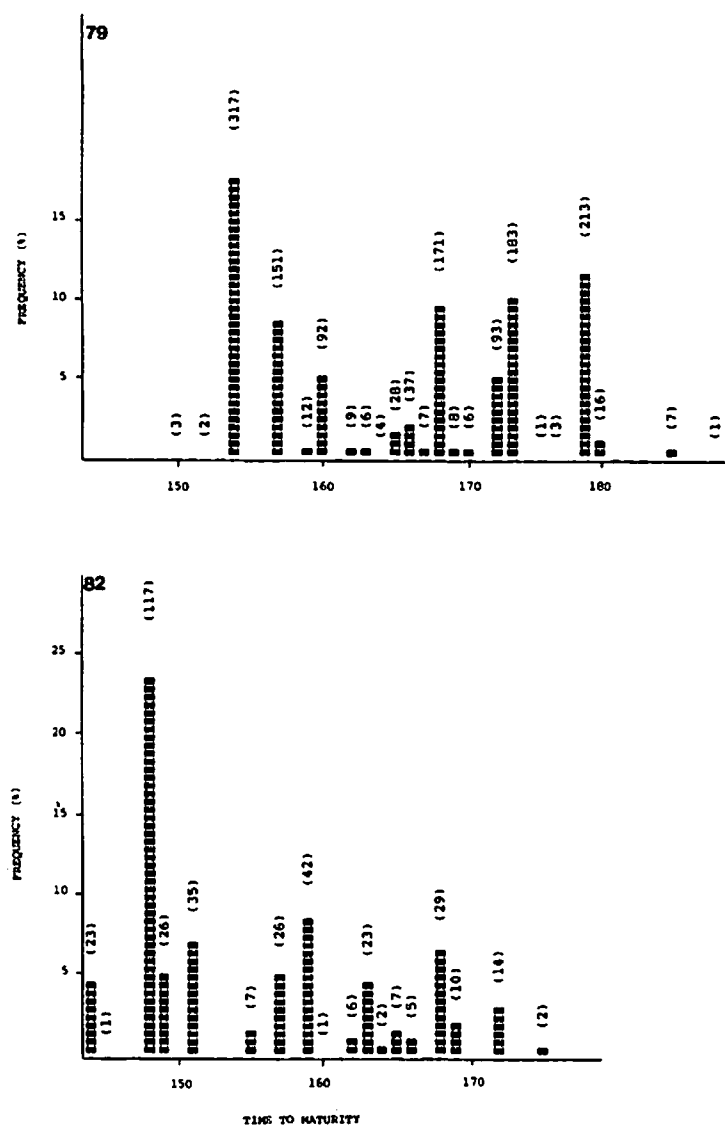


Table 7. contd.

<u>Late Maturing Accessions</u>				
Maturing in $\geq$ 180 d in 1979 small-seeded				
ILL 1107	ILL 1124	ILL 1125	ILL 2323	ILL 2327
ILL 2368	ILL 2370	ILL 2382	ILL 2383	ILL 2394
ILL 2396	ILL 2397	ILL 2398	ILL 2400	ILL 2401
ILL 2403	ILL 2412			
Maturing in $\geq$ 180 d in 1979 large-seeded				
ILL 1886	ILL 2256	ILL 2367	ILL 2371	ILL 2395
ILL 2413	ILL 4394			
Maturing in $\geq$ 175 d in 1982 small-seeded				
ILL 86				

2. Plant height (Hgt)

A measure, in centimetres of the visual estimate of the average height of plants from the ground to the tip of the foliage (Table 8 and Figure 4).

Table 8. Summary of statistics on plant height (cm).

	Overall	1979	1982	Large-seeded	Small-seeded
Mean	25.8	26.5	23.1	30.3	24.8
Maximum	45	45	34	45	43
Minimum	10	10	16	20	10
Range	35	35	18	25	33
Variance	21.3	21.6	11.3	9.6	18.5
CV (%)	17.9	17.6	14.6	10.2	17.3
Kurtosis	-0.3	-0.4	0.1	2.1	0.3
Skewness	0.4	0.3	0.5	0.1	0.7
No. of obs.	1746	1370	376	303	1443

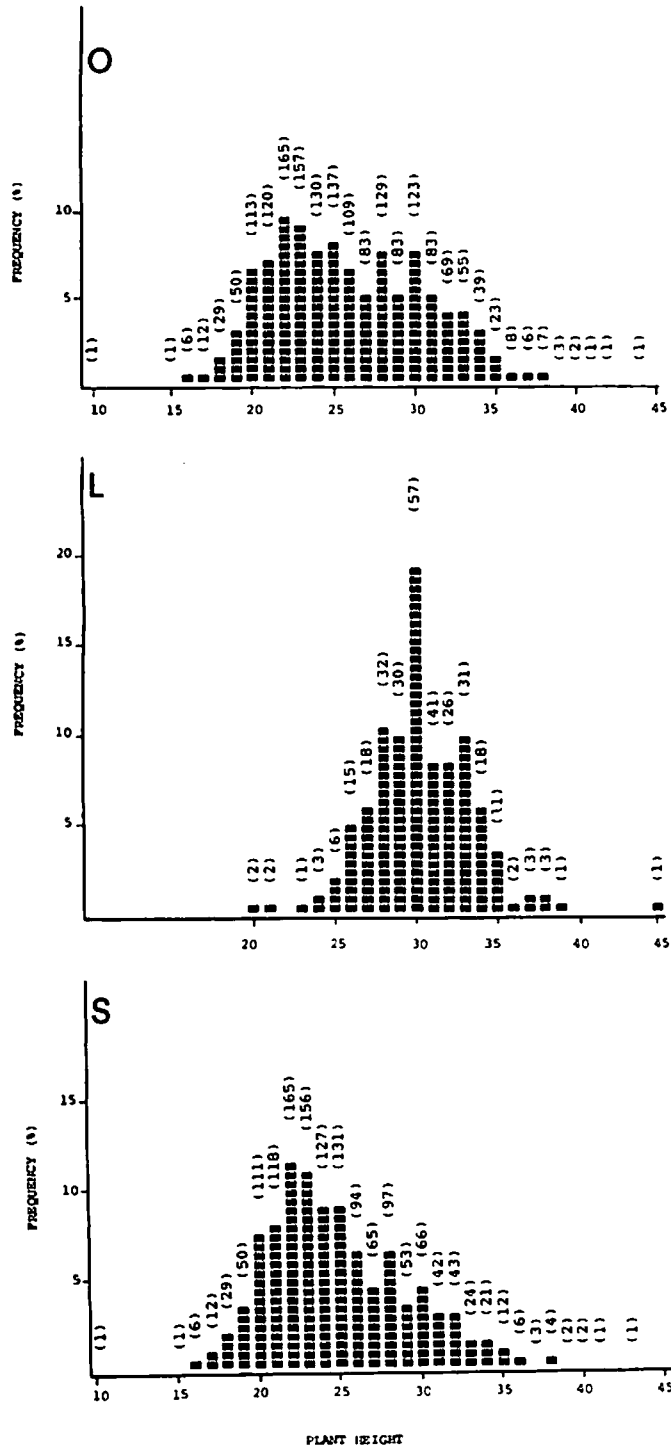


Figure 4. Distribution of plant height (cm) overall (O), over large-seeded (L) and small-seeded (S) accessions, and in the 1979 (79) and 1982 (82) seasons.

Figure 4. Contd.

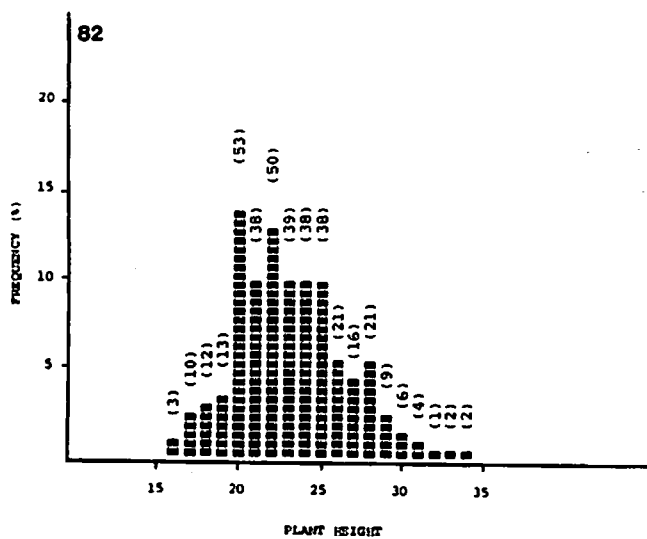
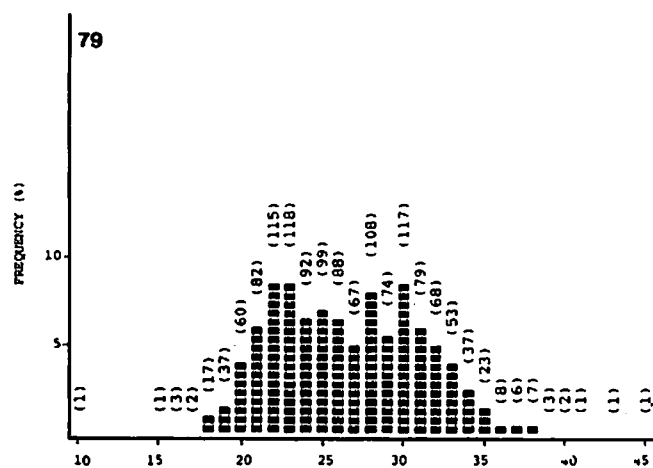


Table 8. contd.

 Height $\geq$ 39 cm in 1979 small-seeded

 ILL 92 ILL 201 ILL 796 ILL 809 ILL 815
 ILL 1141

 Height $\geq$ 39 cm in 1979 large-seeded

ILL 447 ILL 4349

 Height $\geq$ 33 cm in 1982 small-seeded

 ILL 4000 ILL 4254 ILL 4256 ILL 4313

3. Height of the lowest pod (LPH)

The visual average, in centimetres, of the height above ground of the lowest pod on unlodged plants at maturity (character 1.2) (Table 9 and Figure 5).

Table 9. Summary of statistics on height of lowest pod (cm).

	Overall	1979	1982	Large-seeded	Small-seeded
Mean	13.6	13.9	12.3	17.9	12.6
Maximum	30	30	21	30	27
Minimum	3	3	7	8	3
Range	27	27	14	22	24
Variance	17.4	18.8	10.6	8.6	14.4
CV (%)	30.8	31.1	26.5	16.3	30.1
Kurtosis	-0.6	-0.7	-0.6	1.1	0.1
Skewness	0.4	0.3	0.6	0.1	0.7
No. of obs.	1744	1370	374	303	1441

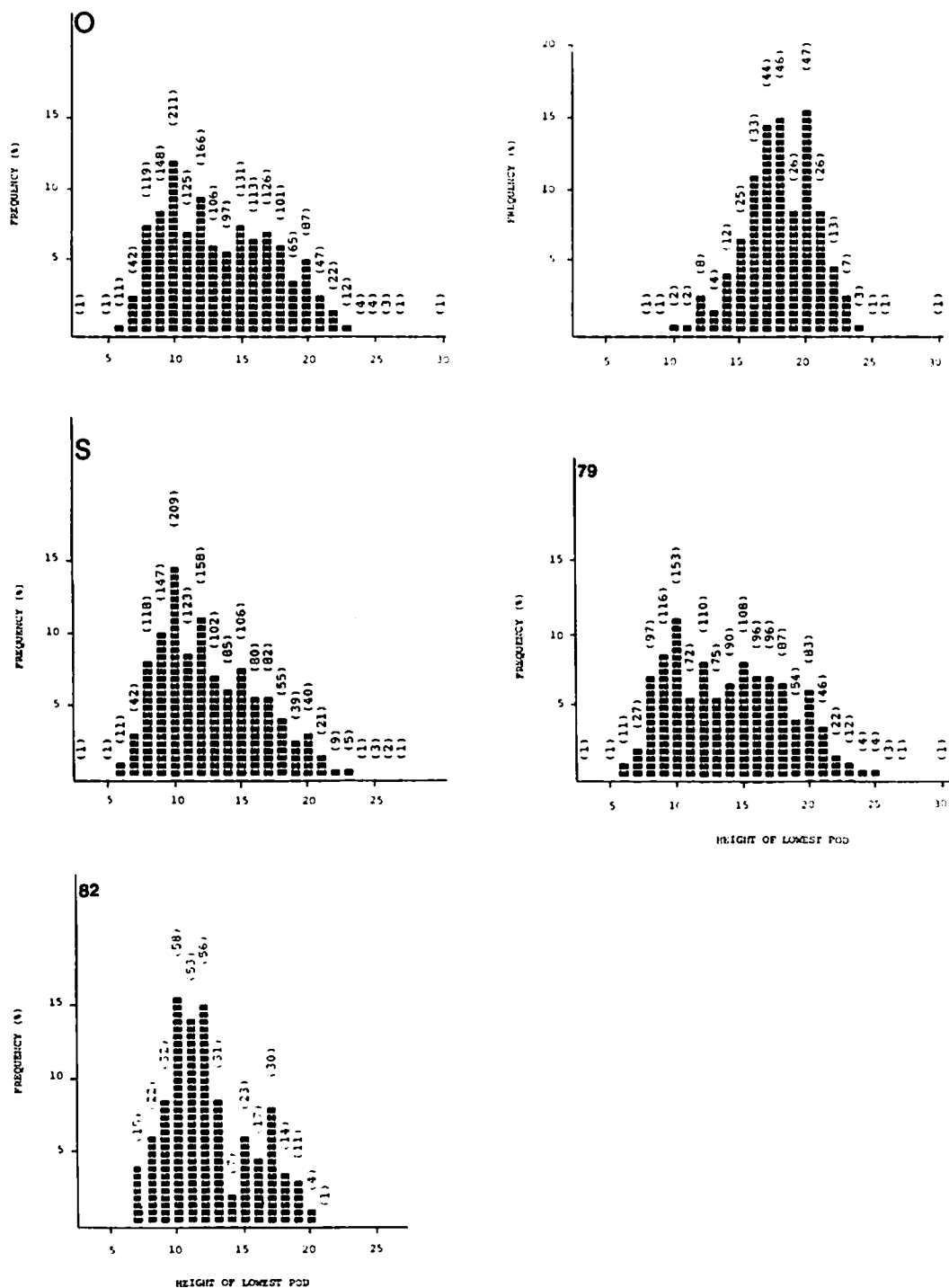


Figure 5. Distribution of the height of the lowest pod (cm) overall (O), over large-seeded (L) and small-seeded (S) accessions, and in the 1979 (79) and 1982 (82) seasons.

Table 9. contd.

Height of lowest pod $\geq$ 25 cm in 1979 small-seeded				
ILL 92	ILL 175	ILL 201	ILL 586	ILL 623
ILL 1088				
Height of lowest pod $\geq$ 25 cm in 1979 large-seeded				
ILL 324	ILL 993	ILL 4349		
Height of lowest pod $\geq$ 20 cm in 1982 small-seeded				
ILL 570	ILL 4410			

4. Yield characters

4.1. Biological yield (BiYd)

The yield of dried, mature plants after pulling from the central guarded area (Table 5) of a plot at maturity (character 1.2) and converted to kg/ha (Table 10 and Figure 6).

Table 10. Summary of statistics on biological yield.

	Overall	1979	1980	1982	Large-seeded	Small-seeded
Mean	3677	3133	4118	2938	4591	3521
Maximum	10358	9660	10338	6580	8050	10358
Minimum	125	725	125	413	905	125
Range	10233	8935	10233	6167	7145	10233
Variance	2.4 E6	1.5 E6	2.7 E6	1.2 E6	1.9 E6	2.3 E6
CV (%)	42	39	40	37	30	43
Kurtosis	0.2	0.5	-0.1	0.1	-0.7	0.7
Skewness	0.5	0.6	0.3	0.1	-0.1	0.7
No. of obs.	4002	1355	2282	364	582	3420

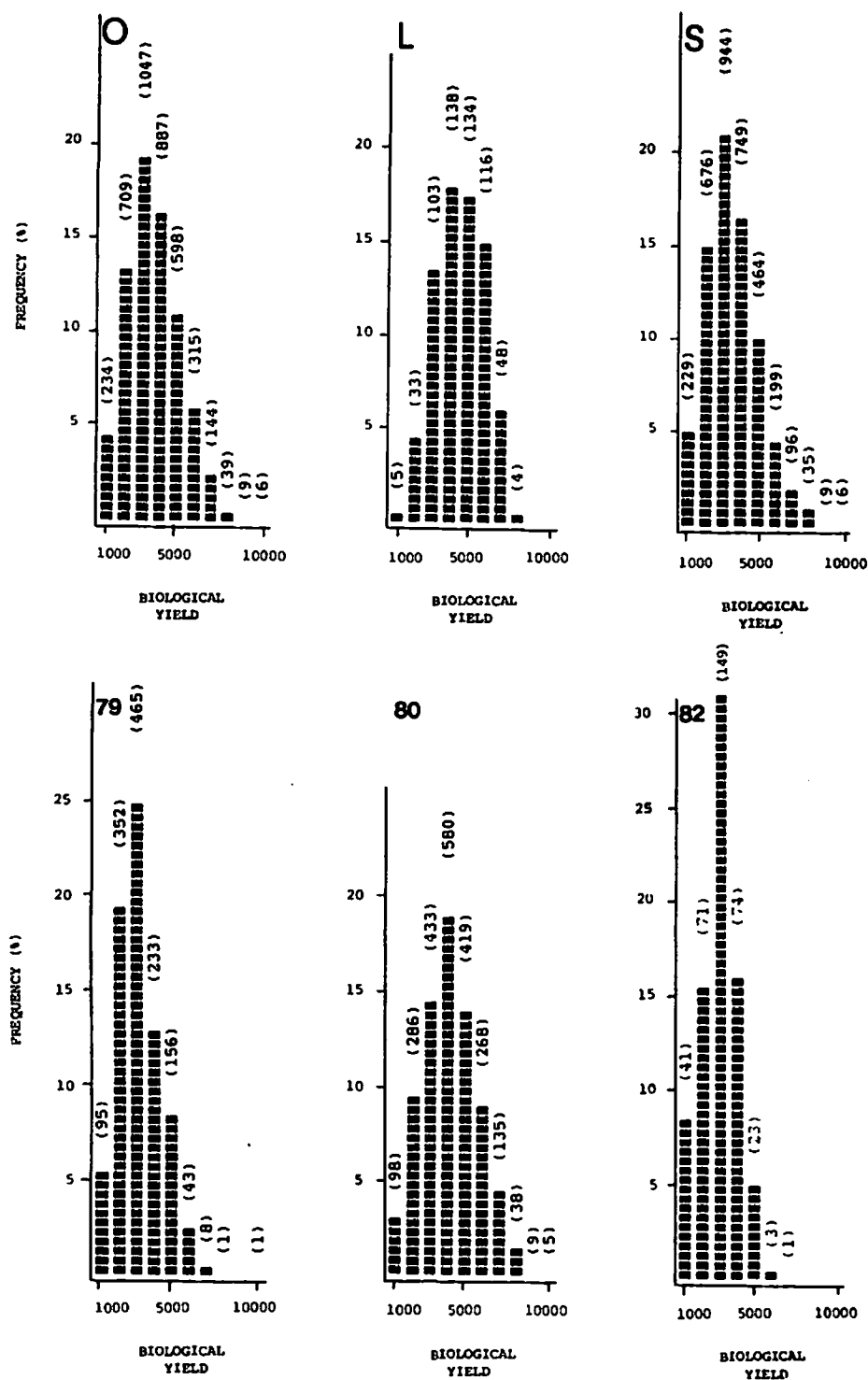


Figure 6. Distribution of biological yield (kg/ha) overall (O), over large-seeded (L) and small-seeded (S) accessions, and in the 1979 (79), 1980 (80) and 1982 (82) seasons.

Table 10. contd.

 Biological yield $\geq$ 6500 kg/ha in 1979 small-seeded

ILL 7 ILL 849

 Biological yield $\geq$ 6500 kg/ha in 1979 large-seeded

ILL 42 ILL 52 ILL 241 ILL 778 ILL 809

ILL 811 ILL 816 ILL 1172

 Biological yield $\geq$ 9000 kg/ha in 1980 small-seeded

ILL 271 ILL 506 ILL 554 ILL 557 ILL 564

ILL 565 ILL 568 ILL 569 ILL 658

 Biological yield $\geq$ 7500 kg/ha in 1980 large-seeded

ILL 885 ILL 1051 ILL 1169 ILL 1898

 Biological yield $\geq$ 6000 kg/ha in 1982 small-seeded

 ILL 4000 ILL 4104

4.2. Seed yield (SdYd)

The yield of seed from the central, guarded area (Table 5) of a plot after harvesting at maturity (character 1.2), sun drying, and converting to kg/ha (Table 11 and Figure 7).

Table 11. Summary of statistics on seed yield.

	Overall	1979	1980	1982	Large-seeded	Small-seeded
Mean	1143	993	1234	1079	1398	1107
Maximum	3258	2950	3258	2913	2950	3258
Minimum	50	125	50	83	117	50
Range	3208	2825	3208	2830	2833	3208
Variance	2.6 E5	2.2 E5	2.7 E5	2.1 E5	2.8 E5	2.5 E5
CV (%)	45	48	42	43	38	45
Kurtosis	0.2	0.1	0.2	0.0	-0.3	0.4
Skewness	0.5	1.2	0.5	-0.1	0.0	0.6
No. of obs.	3900	1243	2287	367	479	3421

Seed yield $\geq$ 2300 kg/ha in 1979 small seeded

ILL 40 ILL 241 ILL 778 ILL 2861 ILL 2862
ILL 2880

Seed yield $\geq$ 2300 kg/ha in 1979 large-seeded

ILL 1 ILL 20 ILL 844

Seed yield $\geq$ 3000 kg/ha in 1980 small-seeded

ILL 276 ILL 1120 ILL 2183

Seed yield $\geq$ 2700 kg/ha in 1980 large-seeded

ILL 15 ILL 851 ILL 950

Seed yield $\geq$ 2300 kg/ha in 1982 small-seeded

ILL 3645 ILL 4385

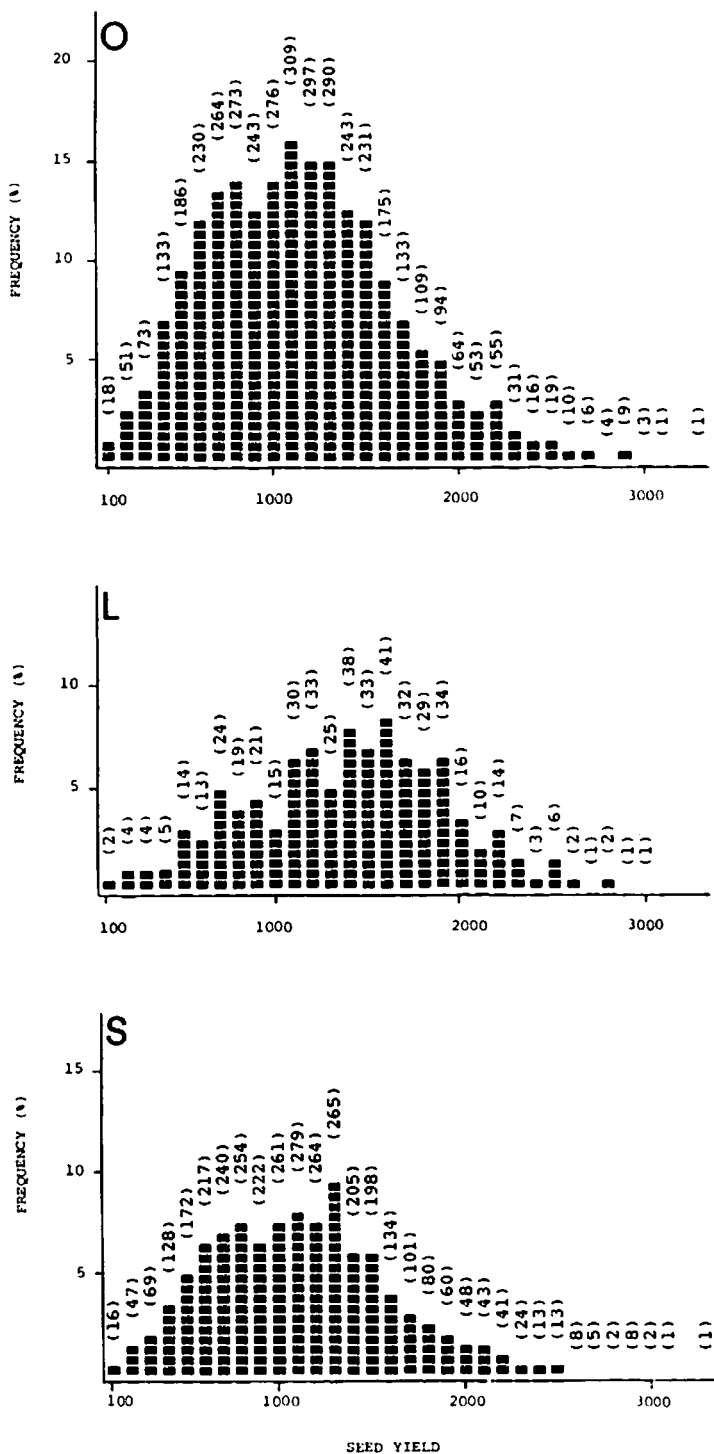
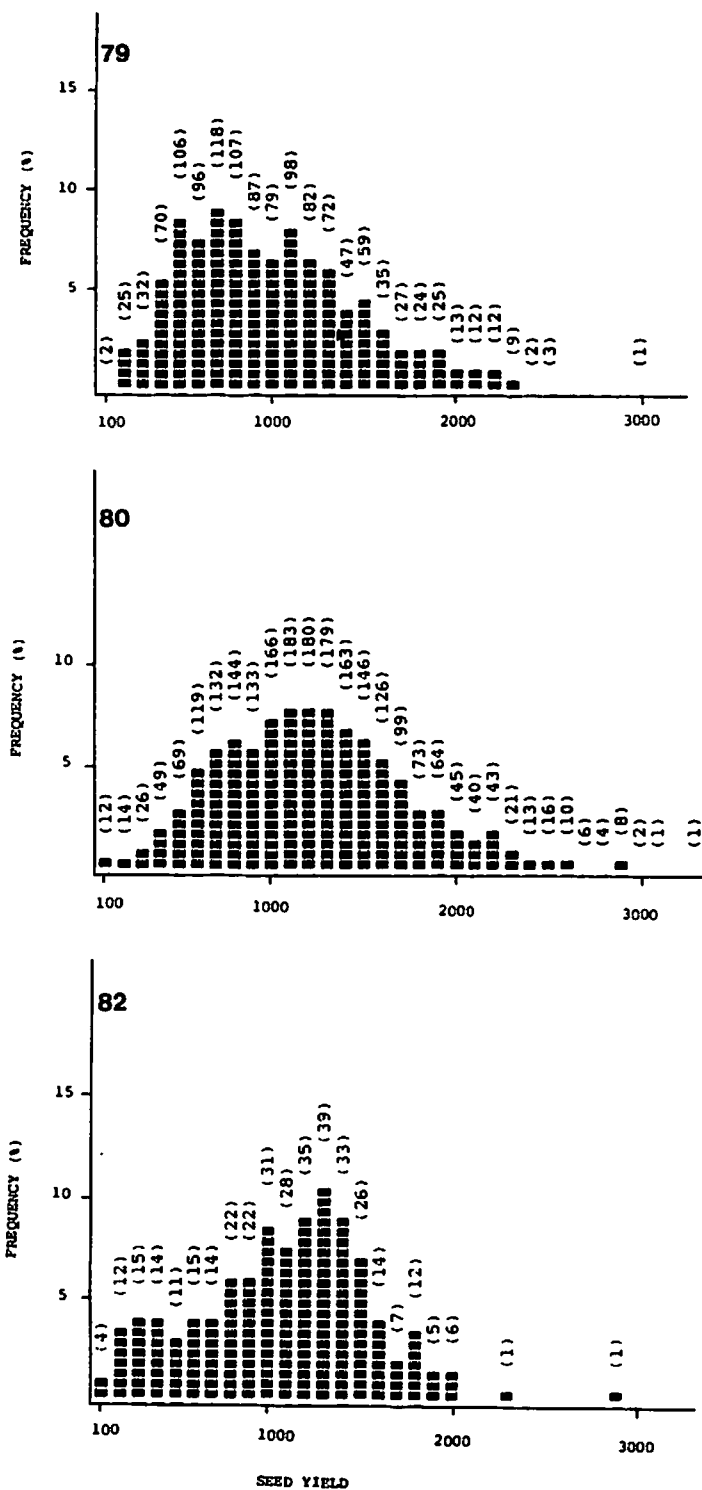


Figure 7. Distribution of seed yield (kg/ha) overall (O), over large-seeded (L) and small-seeded (S) accessions, and in the 1979 (79), 1980 (80) and 1982 (82) seasons.

Figure 7. Contd.



4.3. Straw yield (StYd)

The yield of dried, mature plants, without their seeds, after pulling from the central, guarded area (Table 5) of a plot in kg/ha. Calculated as the difference between biological yield (character 4.1) and seed yield (character 4.2) (Table 12 and Figure 8).

Table 12. Summary of statistics on straw yield.

	Overall	1979	1980	1982	Large-seeded	Small-seeded
Mean	2544	2117	2886	1855	3451	2417
Maximum	8153	7925	8153	4943	6175	8153
Minimum	75	340	75	314	633	75
Range	8078	7585	8078	4629	5542	8078
Variance	1.5 E6	9.0 E5	1.7 E6	5.0 E5	1.1 E6	1.5 E6
CV(%)	48	45	45	40	30	50
Kurtosis	0.6	1.5	0.1	0.9	-0.4	1.2
Skewness	0.8	0.9	0.5	0.5	0.0	1.0
No.of obs.	3884	1243	2277	363	477	3407

Straw yield $\geq$ 5000 kg/ha in 1979 small-seeded

ILL 42 ILL 53 ILL 778 ILL 809 ILL 811
ILL 1172

Straw yield $\geq$ 5000 kg/ha in 1979 large-seeded

ILL 37 ILL 450 ILL 452 ILL 849

Straw yield $\geq$ 7500 kg/ha in 1980 small-seeded

ILL 506 ILL 557 ILL 564 ILL 569 ILL 658

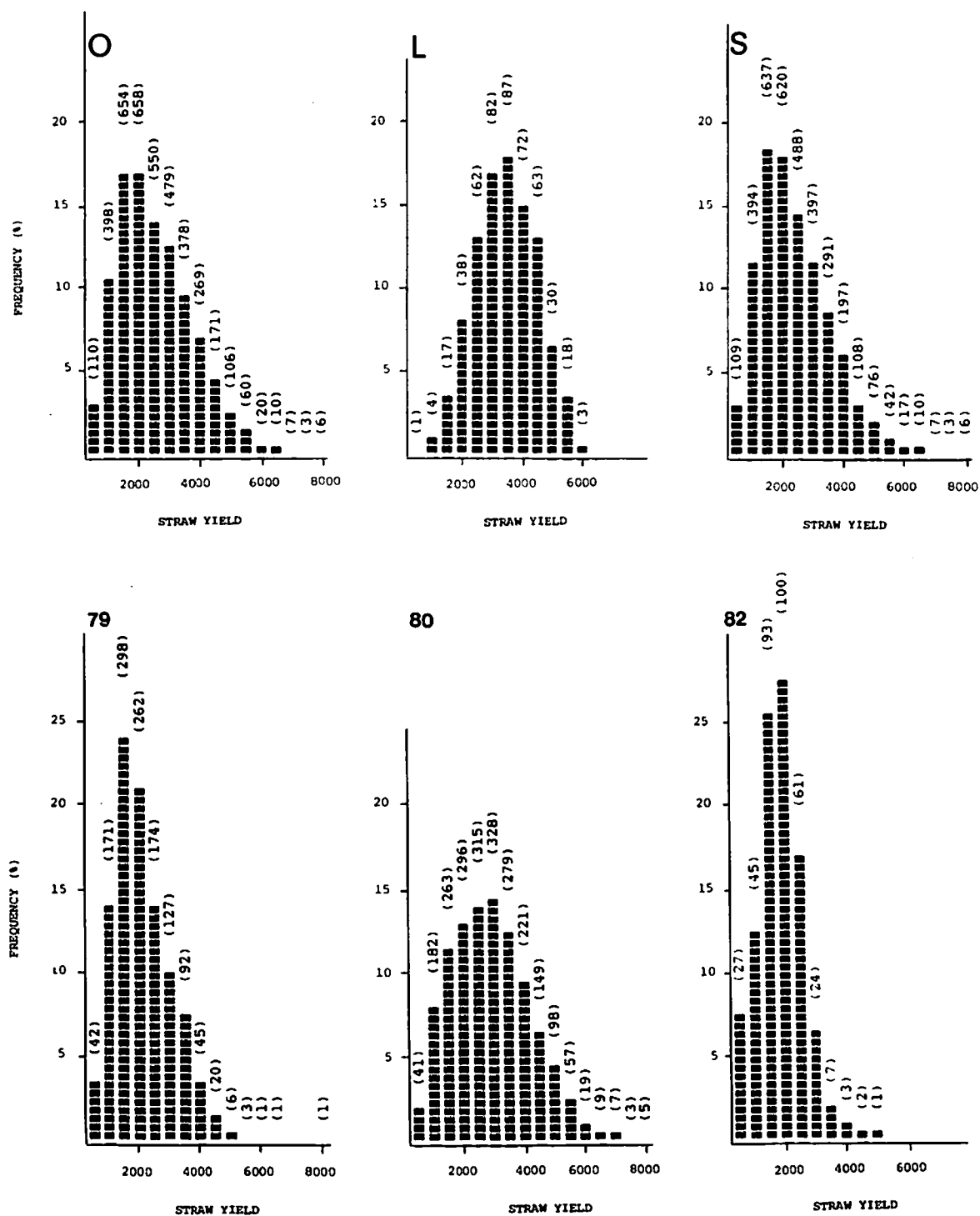


Figure 8. Distribution of straw yield (kg/ha) overall (O), over large-seeded (L) and small-seeded (S) accessions, and in the 1979 (79), 1980 (80) and 1982 (82) seasons.

Table 12. contd.

Straw yield $\geq$ 5500 kg/ha in 1980 large-seeded					
ILL 544	ILL 1051	ILL 1169	ILL 1946	ILL 2386	
ILL 3388	ILL 3392				
Straw yield $\geq$ 4500 kg/ha in 1982 small-seeded					
ILL 4104					

4.4. Harvest index (HI)

The proportion of biological yield represented by seed yield, calculated as the ratio of seed yield (character 4.2) to biological yield (character 4.1) (Table 13 and Figure 9).

Table 13. Summary of statistics on harvest index.

	Overall	1979	1980	1982	Large-seeded	Small-seeded
Mean	0.320	0.325	0.311	0.365	0.288	0.325
Maximum	0.79	0.76	0.76	0.79	0.70	0.79
Minimum	0.02	0.02	0.06	0.07	0.04	0.02
Range	0.77	0.74	0.70	0.72	0.66	0.77
Variance	0.009	0.011	0.007	0.007	0.007	0.009
CV(%)	29	32	28	23	30	29
Kurtosis	0.4	0.0	0.27	3.9	1.9	0.3
Skewness	0.1	0.0	0.14	-0.1	0.3	0.0
No. of obs.	3884	1243	2277	363	477	3407

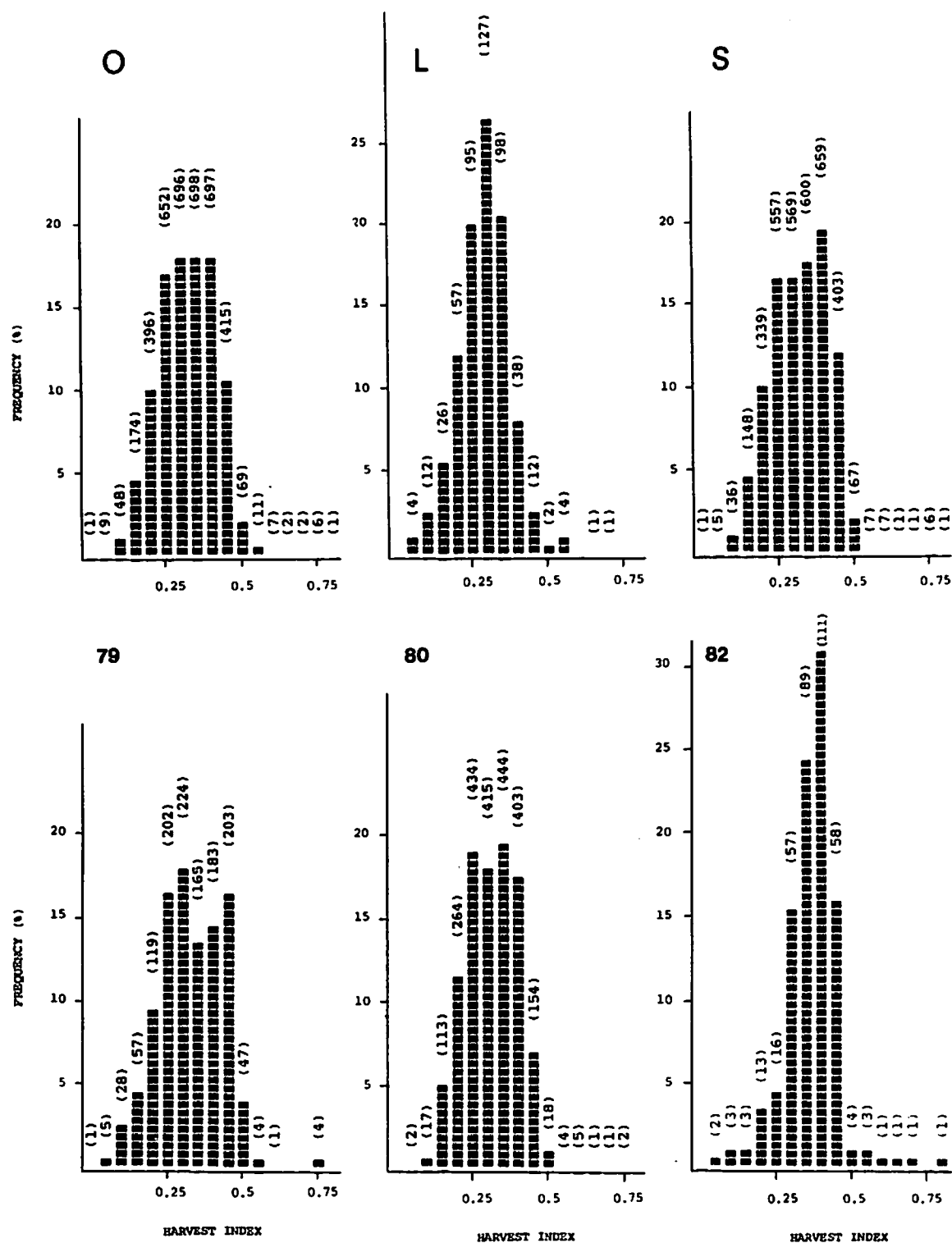


Figure 9. Distribution of harvest index overall (O), over large-seeded (L) and small-seeded (S) accessions, and in the 1979 (79), 1980 (80) and 1982 (82) seasons.

Table 13. contd.

Harvest index ≥ 0.6 in 1979 small-seeded

ILL 800 ILL 815 ILL 1686 ILL 1732 ILL 1753

Harvest index ≥ 0.5 in 1979 large-seeded

ILL 20 ILL 1200

Harvest index ≥ 0.6 in 1980 small-seeded

ILL 1120 ILL 1327 ILL 1338 ILL 1347 ILL 3662

ILL 3669 ILL 4025 ILL 4482

Harvest index ≥ 0.5 in 1980 large-seeded

ILL 28 ILL 211

Harvest index ≥ 0.6 in 1982 large-seededILL 3645

5. Seed characters

5.1. 100-seed weight (100 SW)

Average weight in grams, of two samples of 100 randomly chosen seeds. For other descriptors the data have been divided into macroserma and microserma accessions with the division at 4.5g/100 seeds (Table 14).

Table 14. Summary of statistics on 100-seed weight.

Mean	3.22	CV(%)	37.2
Maximum	8.62	Kurtosis	1.6
Minimum	1.10	Skewness	1.4
Range	7.52	No. of obs.	4014
Variance	1.43		

100-seed weight ≥ 8.0 g

ILL 308 ILL 780 ILL 919 ILL 4507 ILL 4508

ILL 4515 ILL 4522

100-seed weight ≤ 1.5

ILL 216 ILL 1766 ILL 3629 ILL 3776

5.2. Number of seeds per pod (Sd/Pd)

Average number of seeds per pod in 30 random pods (Table 15 & Figure 10).

Table 15. Summary of statistics on the number of seeds per pod.

	Overall	1979	1980	1982	Large-seeded	Small-seeded
Mean	1.53	1.50	1.53	1.67	1.21	1.58
Maximum	2	2	2	2	1.92	2
Minimum	1	1	1	1	1	1
Range	1	1	1	1	0.92	1
Variance	0.05	0.06	0.05	0.05	0.04	0.04
CV(%)	15.1	16.0	14.6	12.9	15.6	12.2
Kurtosis	-0.5	-0.7	-0.4	1.1	0.7	-0.1
Skewness	-0.5	-0.3	-0.5	-1.1	1.1	-0.5
No. of obs.	3922	1294	2277	345	547	3375

Seeds/pod ≥ 2.0 in 1979 small-seededILL 2660 ILL 2674 ILL 2735 ILL 2816 ILL 3041
ILL 3194Seeds/pod ≥ 1.6 in 1979 large-seededILL 522 ILL 948 ILL 1009 ILL 1158 ILL 1148
ILL 3209Seeds/pod ≥ 2.0 in 1980 small-seeded

ILL 1665 ILL 2111 ILL 2726 ILL 4006

Seeds/pod ≥ 2.0 in 1982 small-seeded

ILL 3823 ILL 3899 ILL 4332 ILL 4343

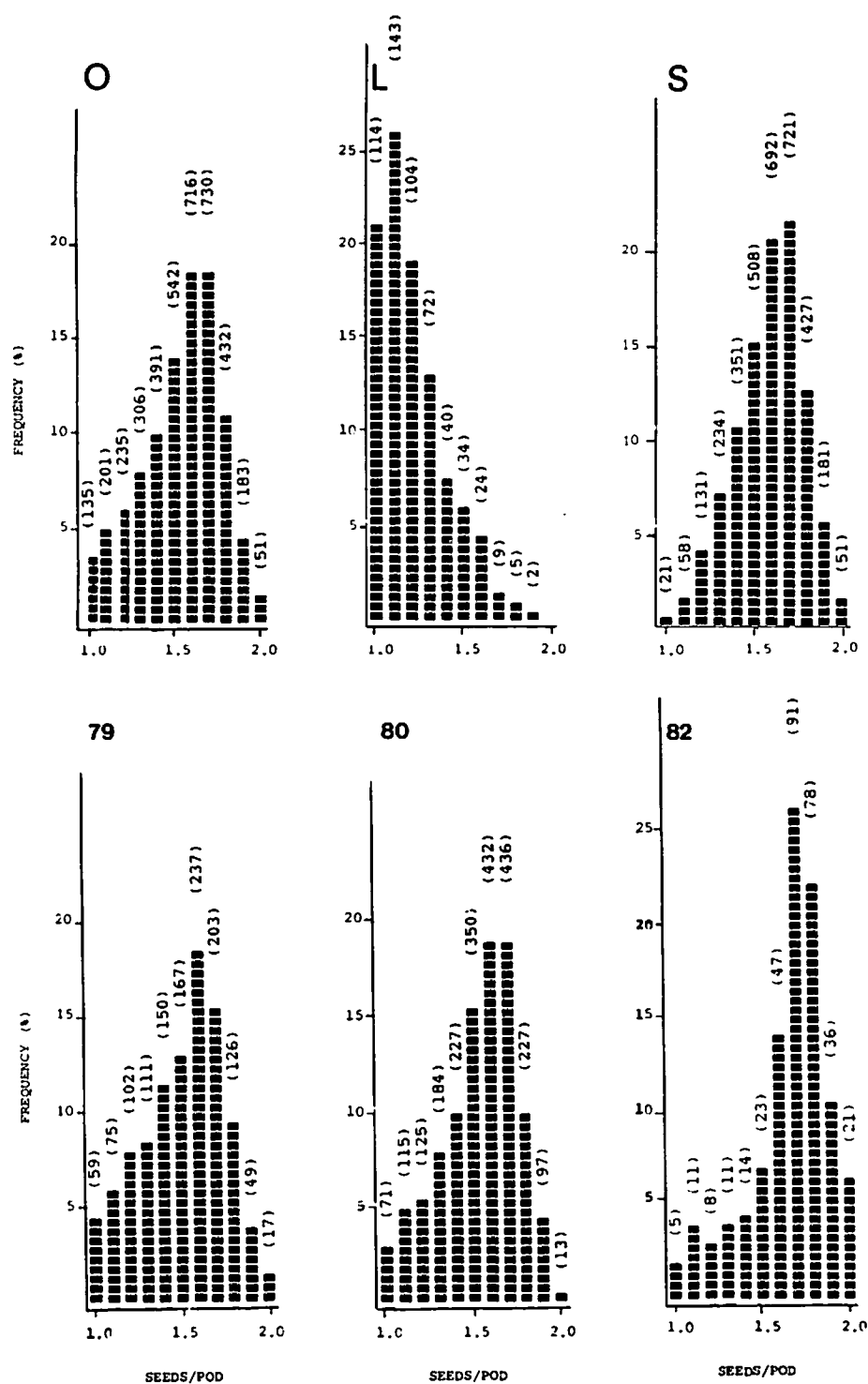


Figure 10. Distribution of number of seeds per pod overall (O), over large-seeded (L) and small-seeded (S) accessions, and in the 1979 (79), 1980 (80) and 1982 (82) seasons.

5.3. Ground colour of testa (TestaCol)

Judged, on freshly harvested seed, as: Green (1 or Gn); Pink (2 or Pi); Brown (3 or Bn); Grey (4 or Gy); or Black (5 or Bk). Two colours indicate a polymorphism at a frequency above 10%.

Table 16. Summary of ground colour of testa.

Descriptor States		<u>Overall</u>		<u>Large-seeded</u>		<u>Small-seeded</u>	
		No. of obs.	Frequency (%)	No. of obs.	Frequency (%)	No. of obs.	Frequency (%)
1	or Gn	125	3	24	4	101	3
2	or Pi	657	16	157	27	500	14
3	or Bn	2129	52	31	5	2098	60
4	or Gy	181	4	3	1	178	5
5	or Bk	75	2	0	-	75	2
12	or Gn.Pi	846	21	365	62	481	14
13	or Gn.Gy	22	1	3	1	19	1
14	or Gn.Gy	1	0	0	-	1	0
15	or Gn.Bk	1	0	0	-	1	0
23	or Pi.Bn	13	0	0	-	13	0
24	or Pi.Gy	13	0	2	0	11	0
25	or Pi.Bk	2	0	0	-	2	0
34	or Bn.Gy	16	0	0	-	16	0
123	or Gn.Pi.Bn	3	0	1	0	2	0
124	or Gn.Pi.Gy	1	0	0	-	1	0

5.4. Pattern on testa (Pattern)

Judged as Absent (1 or Ab); Dotted - very fine dots (2 or Do); Spotted - discrete spots, clearly larger than dotted (3 or Sp); Marbled (4 or Ma); or Complex - any combination of 2, 3, and 4 (5 or Co). Two colours indicate a polymorphism at a frequency above 10%.

Table 17. Summary of pattern on testa.

Descriptor States	<u>Overall</u>		<u>Large-seeded</u>		<u>Small-seeded</u>	
	No. of obs.	Frequency (%)	No. of obs.	Frequency (%)	No. of obs.	Frequency (%)
1 or Ab	1633	40	518	88	1115	32
2 or Do	607	15	5	1	602	17
3 or Sp	53	1	4	1	49	1
4 or Ma	108	3	2	0	106	3
5 or Co	31	1	2	0	29	1
12 or Ab.Do	76	2	2	0	74	2
13 or Ab.Sp	204	5	23	4	181	5
14 or Ab.Ma	74	2	22	4	52	1
15 or Ab.Co	2	0	8	1	2	0
23 or Do.Sp	554	14	2	0	552	16
24 or Do.Ma	645	16	2	0	643	18
25 or Do.Co	49	1	3	1	49	1
34 or Sp.Ma	15	0	0	-	15	0
45 or Ma.Co	1	0	0	-	1	0
123 or Ab.Do.Sp	14	0	3	1	11	0
124 or Ab.Do.Ma	3	0	0	-	3	0
125 or Ab.Do.Co	1	0	0	-	1	0
134 or Ab.Sp.Ma	12	0	1	0	11	0
245 or Do.Ma.Co	2	0	0	-	2	0
345 or Sp.Ma.Co	1	0	0	-	1	0

5.5. Colour of pattern on testa (Pattern Col)

Judged, on freshly harvested seed, as: Absent (1 or Ab); Olive-green (2 or Ol); Grey (3 or Gy); Brown (4 or Bn); or Black (5 or Bk). Two colours indicate polymorphism at a frequency above 10%.

Table 18. Summary of colour of pattern on testa.

Descriptor State	<u>Overall</u>		<u>Large-seeded</u>		<u>Small-seeded</u>	
	No. of obs.	Frequency (%)	No. of obs.	Frequency (%)	No. of obs.	Frequency (%)
1 or Ab	1632	40	518	88	1114	32
2 or Ol	128	3	5	1	123	4
3 or Gy	642	16	3	1	639	18
4 or Bn	35	1	0	-	35	1
5 or Bk	605	15	7	1	598	17
12 or Ab.Ol	129	3	27	5	102	3
13 or Ab.Gy	162	4	14	2	148	4
14 or Ab.Bn	20	1	0	-	20	1
15 or Ab.Bk	53	1	8	1	45	1
23 or Ol.Gy	48	1	0	-	48	1
24 or Ol.Bn	74	2	0	-	74	2
25 or Ol.Bk	170	4	3	1	167	5
34 or Gy.Bn	9	0	0	-	9	0
35 or Gy.Bk	290	7	1	0	289	8
45 or Bn.Bk	79	2	0	-	79	2
123 or Ab.Ol.Gy	1	0	0	-	1	0
124 or Ab.Ol.Bn	2	0	0	-	2	0
125 or Ab.Ol.Bk	1	0	0	-	1	0
134 or Ab.Gy.Bn	1	0	0	-	1	0
135 or Ab.Gy.Bk	4	0	0	-	4	0

5.6. Cotyledon colour (CotCol)

Judged, on freshly harvested seed, as: Red (1 or Rd), Yellow (2 or Ye), or Green (3 or Gn). Two colours indicate polymorphism at a frequency above 10%.

Table 19. Summary of statistics on cotyledon colour.

Descriptor State	<u>Overall</u>		<u>Large-seeded</u>		<u>Small-seeded</u>	
	No. of obs.	Frequency (%)	No. of obs.	Frequency (%)	No. of obs.	Frequency (%)
1 or Rd	2493	61	20	3	2473	71
2 or Ye	1350	33	552	94	798	23
12 or Rd and Ye	234	6	12	2	222	6
23 or Ye and Gn	7	0	2	0	5	0

5.6. Protein content (Pro%)

The protein content of the seed, expressed as a percentage of the dry seed weight, was estimated by near infra-red reflectance spectroscopy on a Neotec 31A analyser (Table 20 and Figure 11). The seed was from the 1979 harvest at Tel Hadya.

Table 20. Summary of statistics on protein content (%).

	Overall	Large- seeded	Small- seeded
Mean	25.78	25.6	25.8
Maximum	30.2	29.5	30.2
Minimum	18.6	21.0	18.6
Range	11.6	8.5	11.6
Variance	3.22	2.41	3.45
CV (%)	6.9	6.1	7.1
Kurtosis	0.1	0.1	0.1
Skewness	-0.6	0.5	-0.6
No. of obs.	1853	434	1419

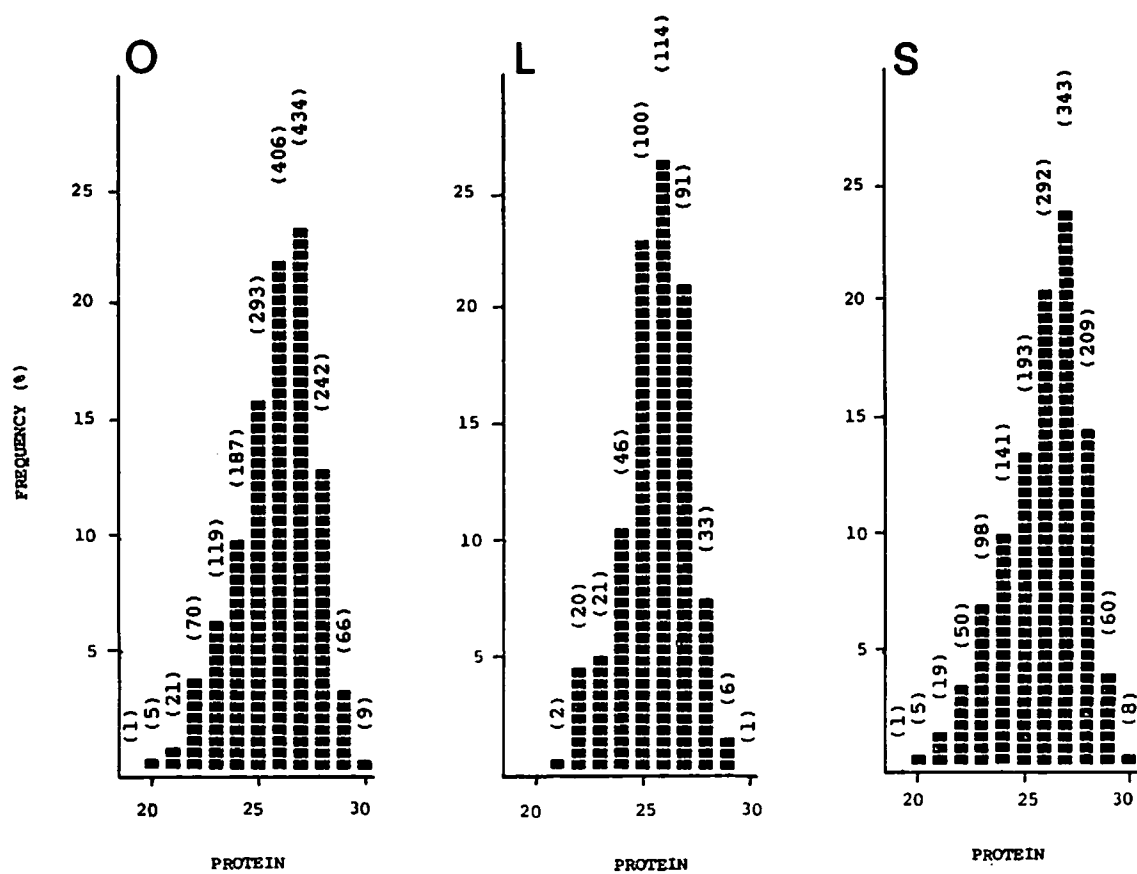


Figure 11. Distribution of protein content (%) overall (O) and for large-seeded (L) and small-seeded (S) accessions.

Table 20. contd.

Protein content $\geq$ 28.9% in large-seeded				
ILL 407	ILL 457	ILL 871	ILL 872	
Protein content $\geq$ 28.9% in small-seeded				
ILL 121	ILL 124	ILL 131	ILL 141	ILL 194
ILL 196	ILL 274	ILL 293	ILL 304	ILL 520
ILL 541	ILL 551	ILL 562	ILL 564	ILL 697
ILL 704	ILL 708	ILL 710	ILL 711	ILL 722
ILL 735	ILL 860	ILL 865	ILL 1129	ILL 1170
ILL 1231	ILL 1311	ILL 1613	ILL 1635	ILL 1784

6. Susceptibility to cold (CS)

The accessions were sown on October 17, 1979 at Hymana, near Ankara (39° 50' N; 32° 40' E; altitude 1050 m), in Turkey, in unreplicated 2m long rows. Two local checks were planted after every ten accessions. Plant emergence was scored prior to winter. The lowest air temperature during December 1979, January, February and March 1980 were -9.0, -26.8, -12.3 and -13.8 °C, respectively. The plants were snow-covered for 47 days. When the snow melted the proportion of plants to survive undamaged through the winter was scored on a 1-9 scale where: 3 = 60-100% survival, 5 = 30-60% survival, 7 = 0-30% survival.

Table 21. Summary of susceptibility to cold.

Descriptor state	<u>Overall</u>		<u>Large-seeded</u>		<u>Small-seeded</u>	
	No. of obs.	Frequency (%)	No. of obs.	Frequency (%)	No. of obs.	Frequency (%)
3	251	6	166	29	85	3
5	1168	30	288	51	880	26
7	2491	64	116	20	2375	71

A list of 238 of the 251 cold tolerant accessions (score = 3) is to be found in Erskine, W.E., Meyveci, K. and Izgin, N. 1981. Screening of a world lentil collection for cold tolerance. Lens: 8, 5-9.

7. Susceptibility to Orobanche (OS)

The accessions were sown in soil infested with Orobanche crenata, in 1979, at Tel Hadya, and, in 1980 and 1981, at Kafr Antoon in a randomised block design with three replications. The number of inflorescences of O.crenata per m² were recorded during late-podding. The highest number of inflorescences in any of the replicates was used for analysis, which was performed separately for each year. The scale employed was 3 = more than one standard deviation below the population mean; 5 = within one standard deviation below the population mean; 7 = within one standard deviation above the population mean; 9 = more than one standard deviation above the population mean.

Table 22. Summary of Orobanche susceptibility, 1979.

Descriptor state	<u>Overall</u>		<u>Large-seeded</u>		<u>Small-seeded</u>	
	No. of obs.	Frequency (%)	No. of obs.	Frequency (%)	No. of obs.	Frequency (%)
3	57	7	0	0	57	8
5	432	55	25	38	407	57
7	177	23	24	37	153	21
9	119	15	16	25	103	14

Table 23. Summary of Orobanche susceptibility, 1980.

Descriptor state	<u>Overall</u>		<u>Large-seeded</u>		<u>Small-seeded</u>	
	No. of obs.	Frequency (%)	No. of obs.	Frequency (%)	No. of obs.	Frequency (%)
3	62	13	-	-	62	13
5	234	48	-	-	234	48
7	125	26	-	-	125	26
9	65	13	1	-	64	13

Table 24. Summary of Orobanche susceptibility, 1981.

Descriptor state	<u>Overall</u>		<u>Large-seeded</u>		<u>Small-seeded</u>	
	No. of obs.	Frequency (%)	No. of obs.	Frequency (%)	No. of obs.	Frequency (%)
3	79	16	27	7	52	41
5	174	35	126	34	48	38
7	178	35	155	41	23	18
9	72	14	68	18	4	3

DISCUSSION OF DIFFERENCE BETWEEN MACROSPERMA AND MICROSPERMA GERmplasm

Separate analyses of data were undertaken for large-seeded accessions (macrosperma) and small-seeded accessions (microsperma) with the division at a seed weight of 4.5g/100 seeds (Table 6-24).

The small-seeded group was much more diverse than the large-seeded material. The small-seeded group had a greater range for all the quantitative characters and generally had a higher coefficient of variation (%). This could be expected from the more diverse origins of the small-seeded group.

On average, the smaller-seeded accessions are earlier to flower and to mature than the larger-seeded accessions. With this briefer period of growth, they are correspondingly shorter and have a lower height of the lowest pod.

The smaller-seeded accessions have lower mean biological, seed and straw yield but a higher harvest index than the larger-seeded material. The small-seeded accessions have a higher number of seeds per pod. There is no difference between the groups in average protein content of the seed.

There are more cold tolerant accessions (29%) amongst the large-seeded accessions than amongst the smaller-seeded group (3%), because the large-seeded material originates predominantly from the northern, colder latitudes.

There are also marked differences between the two groups in the qualitative characters of the seed. The most frequent testa background colour amongst the small-seeded accessions is brown (62%), whereas there are only a few large and brown-seeded accessions (5%). The most frequent testa colours for the larger-seeded accessions are pink and green. Most of the large seeded accessions (88%) have no pattern on the testa, whereas only 32% of the smaller seeded accessions have no pattern on the testa. The most common pattern on the smaller seeded germplasm is grey or black dotting. The larger-seeded accessions mostly have a yellow cotyledon, while the smaller-seeded accessions generally have a red cotyledon.

CORRELATION MATRIX BETWEEN CHARACTERS

The correlation matrix between characters is of assistance when the data base is to be queried (Table 25). The matrix is based on the entire evaluation data set. It is of use in estimating whether any accessions will qualify when a complex query is made, and it can indicate the likely characteristics of accessions that will qualify as the results of a simple query. For example :

- i. The strong correlation between biological yield and straw yield ($r = 0.96$) shows that there are few, if any, accessions with a high biological yield and a low straw yield.
- ii. A request for large-seeded accessions will result in material with a low average number of seeds per pod.

Although the primary aim of presenting the correlation matrix is as an aid to the effective querying of the data base, several relationships interesting to the plant breeder have been revealed.

- i. Seed yield is strongly correlated to straw yield and hence also biological yield.
- ii. A group of correlations showed that late flowering and maturing accessions were generally both tall and had high-borne lowest pods. In addition they developed a high biological yield and a low harvest index with a large seed size and a low number of seeds per pod. Many of these late maturing accessions were also cold tolerant reflecting their northern origin in cooler climates.
- iii. Correlations with susceptibility to Orobanche varied markedly over the seasons.
- iv. High protein values were associated with late maturity and a low harvest index. There was no association of protein with seed size.

Table 25. Correlation matrix between characters.

	TiMa	Hgt	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Pro%	CS	OS79	OS80	OS82
TiFl	0.84	0.44	0.56	0.39	-0.01	0.51	-0.57	0.17	-0.20	0.37	-0.31	0.55	0.24	-0.23
TiMa		0.58	0.66	0.10	-0.36	0.30	-0.69	0.47	-0.43	0.44	-0.45	0.22	-0.01	-0.02
Hgt			0.79	0.54	0.14	0.66	-0.45	0.55	-0.44	0.11	-0.41	0.29	0.18	0.18
LPH				0.45	0.00	0.61	-0.57	0.58	-0.46	0.30	-0.42	0.32	0.15	0.08
BiYd					0.75	0.96	-0.26	0.37	-0.25	-0.03	-0.31	0.29	0.24	0.05
SdYd						0.54	0.39	0.23	-0.10	-0.29	-0.15	-0.11	0.16	0.16
StYd							-0.50	0.43	-0.30	0.06	-0.37	0.39	0.25	0.08
HI								-0.26	0.23	-0.40	0.28	-0.48	-0.09	0.12
100SW									-0.63	-0.06	-0.53	0.25	0.08	0.45
Sd/Pd										0.08	0.38	-0.10	-0.02	-0.41
Pro%											0.08	0.28	-	-0.20
CS												-0.29	-0.13	-0.20
OS79													-	-
OS80														-

Values above +/- 0.39 are emboldened.

ANALYSIS OF VARIANCE BY COUNTRY OF ORIGIN

An analysis of variance of the evaluation data was undertaken on the basis of country of origin, for those countries where there were at least ten evaluated accessions for some of the characters. Data from each of the years was included, because the accessions grown each year were chosen at random. The mean, standard deviation and F values for each character by country are given in Table 26. The maximum and minimum values for each country are given in Table 27. For those characters with less than five data items per country the standard deviation is not shown; this situation arises because of not all of the accessions included in the analysis were evaluated for every character.

The F values for seven quantitative characters, (time to flowering, time to maturity, plant height, lowest pod height, straw yield, harvest index and 100 seed weight) were above 100. For the remaining characters the F value was greater than 25. It is clear that there were striking differences between the accessions from different countries. An examination of the standard deviations across characters reveals that there is no country with markedly more variation than other countries. The data on quantitative characters emphasize the unique adaptation of the collections from each geographic area (country) without indicating any centres of diversity.

Indian germplasm is characteristically early to flower and mature. It develops a short stature and a small vegetative frame, but has a high harvest index. Its seeds are among the smallest in size, allowing a high number of seeds per pod. Material from Pakistan differs from the Indian material by being later to flower and mature. This in turn allows more vegetative growth, but results in a lower harvest index.

The Afghani germplasm is similar to the Pakistani material except in phenology. The latest material to flower is the germplasm from Afghanistan. In neighbouring Iran and Turkey, some macrosperma land races are grown and the country means for seed size are much higher than for Afghanistan; otherwise, in maturity, the germplasm is late like the Afghani. Iraqi germplasm is earlier to flower than that of either Afghanistan, Iran or Turkey, and it is similar in development to Syrian accessions. However its seed size is still similar to that in Iran or Turkey.

In Syria collections appear similar to the Iraqi except in seed size. The higher mean seed size of the Syrian material reflects the increased importance of macrosperma cultivation. Interestingly the Syrian germplasm is similar to

that from Morocco for all characters except seed size where the Syrian material is somewhat heavier. The land races from Lebanon are later to mature than their Syrian counterparts, but otherwise similar. Germplasm from Jordan is earlier to flowering and mature than the Iraqi, Moroccan, Lebanese and Syrian group. It produces the highest biological and seed yields.

Germplasm from Egypt is particularly distinctive since it combines an early flowering habit with a tall plant height. The pods are distributed widely on the vegetative frame, because it has a small lowest pod height.

Ethiopian germplasm is as early as Indian material and also small-seeded with a high harvest index. But it has the lowest seed protein percentage.

North of the Mediterranean the landraces from Greece and Yugoslavia have affinities with the Turkish germplasm with late maturity and a high straw yield and a low harvest index. The collections from Czechoslovakia, Hungary, and USSR fall into the same group. but Czech germplasm shows the highest seed protein content.

In the New World where lentil cultivation is post-Columban, there is already distinctive germplasm. Chilean material has the largest seeds and is late in maturity, whereas Mexican land races are relatively late to flower but quick to mature. They have an intermediate plant height but the highest borne pods.

Table 26. Means and standard deviations according to country of origin for some continuously varying characters.

	TiFl		TiMa		Hgt		LPH		BiYd		SdYd	
	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
AFG	147.0	7.8	172.3	4.9	27.0	3.8	14.2	2.6	3786	1376	1046	428
CHL	137.3	7.9	174.9	4.9	30.3	3.7	18.7	2.7	4285	1229	1107	489
CSK	142.9	12.4	169.2		28.8		17.8		4763	2078	<u>874</u>	371
EGY	126.5	11.9	164.9	5.4	32.9	4.2	15.6	2.6	4456	1449	1377	458
ETH	<u>124.9</u>	8.2	155.3	4.8	24.3	2.8	11.3	2.1	3091	1305	1296	529
GRC	141.2	9.0	171.9	4.2	31.1	2.5	18.4	2.7	5290	1559	1318	604
HUN	144.1	10.2	172.8		30.3		15.8		5052	1658	1145	442
IND	125.6	8.7	<u>154.8</u>	5.4	<u>22.3</u>	2.8	<u>10.3</u>	2.5	<u>2918</u>	1119	1082	453
IRN	142.2	8.5	173.6	4.8	26.9	3.3	15.4	2.7	3798	1396	981	437
IRQ	131.5	7.7	165.5	3.9	29.9	2.8	16.5	3.4	5037	1681	1460	591
JOR	125.2	6.1	164.3	5.6	29.8	2.2	15.1	2.4	5679	1629	2024	675
LBN	134.7	9.4	167.2	4.4	29.9	2.5	15.9	2.7	5006	1433	1518	597
MAR	132.5	9.6	165.1	5.2	29.1	1.6	17.9	1.9	5055	1703	1693	566
MEX	139.3	11.6	165.3	6.8	30.4	3.3	19.4	2.4	4786	1408	1457	602
PAK	134.3	9.6	168.1	5.3	27.4	4.5	14.1	2.6	4118	1469	1290	483
SUN	143.4	8.8	173.5	4.5	30.3	4.4	18.5	3.9	4495	1949	1149	588
SYR	132.5	8.7	163.8	4.8	29.0	3.1	16.7	2.8	4783	1340	1509	585
TUR	141.3	9.4	172.1	5.5	29.9	3.4	18.1	3.1	5213	1832	1280	545
YUG	143.8	11.7	174.4	4.8	30.4	2.2	19.1	3.8	3884	1381	879	371
OVERALL	132.8	11.7	163.2	10.1	25.7	4.6	13.5	4.1	3661	1550	1141	511
F	166.9		254.7		104.9		133.1		75.3	27.0		

For each character the lowest value is underlined and the highest value emboldened.

Table 26. Contd.

	StYd		HI		100SW		Sd/Pd		Pro%	
	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
AFG	2756	1063	0.3	0.1	<u>2.4</u>	0.5	1.6	0.2	25.2	1.6
CHL	3358	998	<u>0.2</u>	0.1	5.1	1.2	<u>1.2</u>	0.2	26.2	1.4
CSK	3889	1759	<u>0.2</u>	0.0	3.5	1.2	1.5	0.2	28.5	
EGY	3098	1151	0.3	0.1	3.6	0.5	1.6	0.2	25.8	1.4
ETH	<u>1795</u>	826	0.4	0.1	2.8	0.4	1.6	0.2	<u>22.9</u>	1.5
GRC	4072	1201	<u>0.2</u>	0.1	3.9	1.5	1.4	0.3	26.6	1.7
HUN	3977	1411	<u>0.2</u>	0.1	3.7	1.4	1.3	0.2	26.8	1.7
IND	1839	755	0.4	0.1	2.5	0.6	1.6	0.2	25.0	
IRN	2843	1052	0.3	0.1	3.6	1.0	1.5	0.2	26.2	1.5
IRQ	3577	1236	0.3	0.1	3.5	1.0	1.5	0.3	24.4	1.4
JOR	3747	1234	0.4	0.1	4.4	0.8	1.3	0.2	24.3	1.1
LBN	3548	995	0.3	0.1	4.3	1.0	1.4	0.2	25.6	1.7
MAR	3362	1216	0.3	0.1	3.3	0.9	1.5	0.2	25.4	1.2
MEX	3328	999	0.3	0.1	3.4	0.7	1.4	0.2	25.7	1.8
PAK	2828	1102	0.3	0.1	2.8	0.6	1.6	0.2	24.8	1.9
SUN	3510	1461	<u>0.2</u>	0.1	3.7	1.3	1.4	0.2	26.1	1.4
SYR	3349	963	0.3	0.1	4.1	1.7	1.4	0.2	24.5	1.7
TUR	4058	1417	<u>0.2</u>	0.1	3.8	1.1	1.4	0.2	26.2	1.7
YUG	3145	1285	<u>0.2</u>	0.1	3.3	1.3	1.4	0.3	25.1	1.6
OVERALL	2533	1225	0.3	0.1	3.2	1.2	1.5	0.2	25.8	1.8
F	122.4	147.3			139.0		72.9		30.6	

Table 27. Minimum and maximum values according to country of origin for some continuously varying characters.

	TiFl		TiMa		Hgt		LPH		BiYd		SdYd	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
AFG	125	162	160	179	20	36	9	19	1180	7030	150	2093
CHL	115	158	159	179	20	39	12	26	980	7080	100	2525
CSK	122	160	159	179	26	31	16	20	413	6985	83	1395
EGY	110	148	157	179	21	40	11	22	1205	9660	435	2600
ETH	110	151	144	179	17	31	6	20	725	7385	280	3115
GRC	125	158	165	179	25	35	13	23	1783	9228	300	3285
HUN	120	154	168	179	28	34	10	20	2013	7745	433	1985
IND	105	158	144	173	10	34	3	20	125	6788	50	2913
IRN	115	158	160	185	20	37	8	26	70	8050	125	3015
IRQ	120	148	154	173	24	35	7	20	2200	8355	570	2858
JOR	120	135	157	179	26	34	11	21	2410	8215	705	2983
LBN	120	151	160	179	25	34	10	20	1705	7840	160	2800
MAR	120	151	157	179	26	32	15	21	2755	8085	545	2648
MEX	120	158	157	172	27	34	16	23	2703	7235	630	2665
PAK	120	154	160	179	19	34	10	17	1823	7150	405	2190
SUN	120	158	168	179	24	43	12	27	775	10358	155	2385
SYR	115	154	155	173	22	38	10	22	1555	8273	340	2925
TUR	115	158	159	185	21	41	10	26	960	10285	140	2650
YUG	126	160	168	179	26	34	15	25	1825	6865	215	1578
OVERALL	105	162	144	185	10	43	3	27	70	10358	50	3258

Table 27 Contd.

	StYd		HI		100SW		Sd/Pd		Pro%	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
AFG	675	5360	0.10	0.74	1.1	5.6	1	2.0	20.6	29.3
CHL	863	5650	0.06	0.51	1.9	7.5	1	1.8	20.8	29.5
CSK	330	5925	0.15	0.24	2.0	6.1	1	1.7	26.5	29.8
EGY	455	7925	0.13	0.76	2.1	5.5	1	2.0	21.5	28.6
ETH	445	4395	0.18	0.73	1.0	4.5	1	2.0	19.6	27.7
GRC	815	6793	0.10	0.54	1.9	8.3	1	1.9	22.4	29.4
HUN	1580	6195	0.14	0.42	2.2	6.8	1	1.6	23.8	28.8
IND	75	4943	0.07	0.79	1.5	6.2	1	2.0	22.2	26.8
IRN	215	6175	0.09	0.73	1.8	7.1	1	2.0	20.3	29.5
IRQ	1185	5497	0.17	0.46	2.3	6.4	1	1.9	22.2	27.4
JOR	1575	7050	0.12	0.52	3.2	7.1	1	1.7	21.5	26.1
LBN	1370	6540	0.02	0.44	2.1	7.3	1	1.9	20.9	29.0
MAR	1915	5583	0.19	0.43	2.4	5.8	1	1.8	23.1	27.8
MEX	1668	5115	0.18	0.43	2.6	4.7	1	1.8	23.4	28.6
PAK	1290	5085	0.18	0.41	2.0	4.1	1	1.9	21.4	28.1
SUN	575	8153	0.06	0.42	1.9	6.0	1	1.9	22.4	29.2
SYR	1045	6247	0.06	0.60	2.3	8.6	1	2.0	21.5	29.4
TUR	740	7982	0.04	0.42	1.7	7.3	1	1.9	21.6	30.2
YUG	1050	5737	0.08	0.58	2.1	6.1	1	1.8	22.1	27.1
OVERALL	75	8153	0.02	0.79	1.1	8.6	1	2.0	18.6	30.2

Table 28. Means, standard deviations, minimum and maximum values according to country of origin for some characters scored on a scale.

	CS				OS79				OS80				OS82			
	Mean	S.D.	Min	Max	Mean	S.D.	Min	Max	Mean	S.D.	Min	Max	Mean	S.D.	Min	Max
AFG	6.1	1.1	3.0	7.0	7.0	1.6	5.0	9.0					6.0		3.0	9.0
CHL	4.9	1.4	3.0	7.0	6.3	1.5	5.0	9.0					6.7	1.6	3.0	9.0
CSK	6.1	1.1	5.0	7.0												
EGY	6.4	1.0	3.0	7.0	5.9	1.6	3.0	9.0					7.0		7.0	7.0
ETH	6.6	0.9	3.0	7.0	5.3	1.2	3.0	9.0	5.2	1.3	3.0	7.0	5.0			
GRC	4.7	1.3	3.0	7.0	6.1	1.5	5.0	9.0					7.3	1.5	5.0	9.0
HUN	6.2	1.0	5.0	7.0	7.4		5.0	9.0					6.5		5.0	9.0
IND	6.7	0.7	3.0	7.0	5.0	1.2	3.0	9.0	5.5	1.6	3.0	9.0				
IRN	5.8	1.2	3.0	7.0	7.2	1.5	5.0	9.0					5.1	1.6	3.0	9.0
IRQ	4.8	1.2	3.0	7.0	5.0								5.5	1.8	3.0	9.0
JOR	5.3	1.3	3.0	7.0	7.0		7.0	7.0	9.0		5.0	5.0	7.2	1.9	5.0	9.0
LBN	5.6	1.1	3.0	7.0	7.4	1.8	5.0	9.0					5.9	2.3	3.0	9.0
MAR	6.6	1.0	3.0	7.0	7.3	1.8	5.0	9.0					7.0		7.0	7.0
MEX	6.1	1.5	3.0	7.0	6.0		5.0	7.0					5.4		3.0	7.0
PAK	6.1	1.0	5.0	7.0	5.0	0.0	5.0	5.0								
SUN	6.3	1.2	3.0	7.0	7.7		5.0	9.0	5.0		5.0	9.0	5.0	1.3	3.0	7.0
SYR	4.6	1.3	3.0	7.0	6.3	1.3	5.0	9.0	8.3	1.1			6.7	1.8	3.0	9.0
TUR	5.6	1.4	3.0	7.0	7.1	1.7	5.0	9.0					5.6	1.9	3.0	9.0
YUG	5.4	1.4	3.0	7.0	3.0								6.3		5.0	7.0
OVERALL	6.2	1.2	3.0	7.0	5.9	1.6	3.0	9.0	5.8	1.8	3.0	9.0	6.0	1.9	3.0	9.0
F	80.3				24.5				28.9				5.8			

PASSPORT INFORMATION-DONOR and ORIGIN

Abbreviations used in listing the passport information - donor and origin.

ILL	International Legume Lentil accession number
DonOrg	Donor organization
DonNo	Donor number
ColOrg	Collecting organization
CollNo	Collection number
CDat	Collection date
Cou	Country of origin
RDat	Date received by ICARDA/ALAD
Ind	Index

The index indicates if there is additional information listed for the accession on pages 222 to 229

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedistree)	CDat Cou	Province or Town	RDat Ind
1	-	-	ALAD M. SOLH	-	JOR	ZARGA	1072 -
2	-	-	ALAD M. SOLH	-	JOR	ZARGA	1072 -
3	-	-	ALAD M. SOLH	-	JOR	MAFRAK	1072 -
4	-	-	ALAD M. SOLH	-	JOR	MAFRAK	1072 -
5	-	-	ALAD M. SOLH	-	JOR	AMMAN	1072 -
6	-	-	ALAD M. SOLH	-	JOR	AMMAN	1072 -
7	-	-	ALAD M. SOLH	-	JOR	AMMAN	1072 -
8	-	-	ALAD M. SOLH	-	JOR	AMMAN	1072 -
9	-	-	ALAD M. SOLH	-	JOR	RABBA	1072 -
10	-	-	ALAD M. SOLH	-	JOR	RABBA	1072 -
11	-	-	ALAD M. SOLH	-	JOR	KARAK	1072 -
12	-	-	ALAD M. SOLH	-	JOR	SHAUBACK	1072 -
13	-	-	ALAD M. SOLH	-	JOR	SHAUBACK	1072 -
14	-	-	ALAD M. SOLH	-	JOR	BELDAA	1072 -
15	-	-	ALAD M. SOLH	-	JOR	SAHTHA	1072 -
16	-	-	ALAD M. SOLH	-	JOR	SALT	1072 -
17	-	-	ALAD M. SOLH	-	JOR	JARASH	1072 -
18	-	-	ALAD M. SOLH	-	JOR	JARASH	1072 -
19	-	-	ALAD M. SOLH	-	JOR	IRBID	1072 -
20	-	-	ALAD M. SOLH	-	JOR	RANTHA	1072 *
21	-	-	ALAD M. SOLH	-	JOR	RANTHA	1072 *
22	-	-	ALAD M. SOLH	-	JOR	RANTHA	1072 *
23	-	-	ALAD M. SOLH	-	JOR	ZENIEBEH	1072 -
24	-	-	ALAD M. SOLH	-	SYR	DAMASCUS	1072 *
25	-	-	ALAD M. SOLH	-	SYR	DAMASCUS	1072 -
26	-	-	ALAD M. SOLH	-	SYR	DAMASCUS	1072 -
27	-	-	ALAD M. SOLH	-	SYR	HOMS	1072 -
28	-	-	ALAD M. SOLH	-	SYR	HOMS	1072 -
29	-	-	ALAD M. SOLH	-	SYR	SARAKIB	1072 -
30	-	-	ALAD M. SOLH	-	SYR	SARAKIB	1072 -
31	-	-	ALAD M. SOLH	-	SYR	ALEPPO	1072 -
32	-	-	ALAD M. SOLH	-	SYR	ALEPPO	1072 -
33	-	-	ALAD M. SOLH	-	SYR	ALEPPO	1072 -
34	-	-	ALAD M. SOLH	-	SYR	UM HOUSH	1072 -
35	-	-	ALAD M. SOLH	-	SYR	TEL RAFAAT	1072 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	Chat Cou	Province or Town	RDat Ind
36	-	-	ALAD M.SOLH	-	SYR	TEL RAFAAT	1072 -
37	-	-	ALAD M.SOLH	-	SYR	MAARA	1072 -
38	-	-	ALAD M.SOLH	-	SYR	MAARA	1072 -
39	-	-	ALAD M.SOLH	-	SYR	AZAZ	1072 -
40	-	-	ALAD M.SOLH	-	SYR	AZAZ	1072 -
41	-	-	ALAD M.SOLH	-	SYR	HAMMAN	1072 -
42	-	-	ALAD M.SOLH	-	SYR	DEIR ZOR	1072 -
43	-	-	ALAD M.SOLH	-	SYR	DEIR ZOR	1072 -
44	-	-	ALAD M.SOLH	-	SYR	HASAKI	1072 -
45	-	-	ALAD M.SOLH	-	SYR	HASAKI	1072 -
46	-	-	ALAD M.SOLH	-	SYR	KAMISHLI	1072 -
47	-	-	ALAD M.SOLH	-	SYR	KAMISHLI	1072 -
48	-	-	ALAD M.SOLH	-	SYR	KAMISHLI	1072 -
49	-	-	ALAD M.SOLH	-	IRQ	MOUSEL	1072 -
50	-	-	ALAD M.SOLH	-	IRQ	MOUSEL	1072 -
51	-	-	ALAD M.SOLH	-	IRQ	KARAKOSH DEEN	1072 -
52	-	-	ALAD M.SOLH	-	IRQ	TEL KEEF	1072 -
53	-	-	ALAD M.SOLH	-	IRQ	SHIKHAN	1072 *
54	-	-	ALAD M.SOLH	-	IRQ	-	1072 *
55	-	-	ALAD M.SOLH	-	IRQ	AKRA	1072 -
56	-	-	ALAD M.SOLH	-	IRQ	DOHUK	1072 -
57	-	-	ALAD M.SOLH	-	IRQ	ARBIL	1072 -
58	-	-	ALAD M.SOLH	-	IRQ	CHAMCHAMAL	1072 -
59	-	-	ALAD M.SOLH	-	IRQ	SULAIMANIYA	1072 -
60	-	-	ALAD M.SOLH	-	IRQ	SULAIMANIYA	1072 -
61	-	-	ALAD M.SOLH	-	IRQ	BAGHDAD	1072 *
62	-	-	ALAD M.SOLH	-	IRQ	HELLI	1072 -
63	KHUZ	33-071-10418	RP1P	-	IRN	ARDABIL	1072 -
64	KHUZ	33-071-10425	RP1P	-	IRN	-	1072 -
65	KHUZ	33-071-10428	RP1P	-	IRN	MOGHAN	1072 -
66	KHUZ	33-071-10430	RP1P	-	IRN	TABRIZ	1072 -
67	KHUZ	33-071-10437	RP1P	-	IRN	GHAZVIN	1072 -
68	KHUZ	33-085-11147	-	127	LBN	-	1072 -
69	KHUZ	33-039-11177	-	142	CYP	-	1072 -
70	KHUZ	33-085-11147	-	176	LBN	-	1072 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Ccu	Province or Town	RDat Ind
71	KHUZ	33-152-10048	-	178	-	TUR	1072 -
72	KHUZ	33-071-10582	RPIP	192-48	-	IRN	1072 -
73	KHUZ	33-071-10588	RPIP	192-67	-	IRN	1072 -
74	KHUZ	33-032-10199	-	299160	-	CHL	1072 -
75	KHUZ	33-032-10202	-	299164	-	CHL	1072 -
76	KHUZ	33-032-10210	-	299174	-	CHL	1072 -
77	KHUZ	33-032-10253	-	299224	-	CHL	1072 -
78	KHUZ	33-032-10254	-	299225	-	CHL	1072 -
79	-	-	ALAD L.R.HOUSE	EL TRIUNFO	-	ESP MADRID	1072 *
80	-	-	ALAD L.R.HOUSE	EL BUENO GUSTA	-	ESP MADRID	1072 *
81	-	-	ALAD L.R.HOUSE	EL CONEJA	-	ESP MADRID	1072 *
82	IPI	244	IPI	STEPNAJA 244	-	SUN KIEV	1072 -
83	IPI	393	-	-	-	AFG	1072 -
84	IPI	1778	IPI	NOVOWRENSKAJA 3565	-	SUN UL JANOVS	1072 -
85	IPI	1834	IPI	TADZINSKAJA 95	-	SUN TADZIKISTAN	1072 -
86	IPI	1850	IPI	RISOVAJA	-	SUN ARMENIA	1072 -
87	IPI	1864	IPI	TALLINSKOJA 6	-	SUN ARMENIA	1072 -
88	IPI	1871	IPI	PENZENSKOJA 14	-	SUN PENZA	1072 -
89	IPI	210	IPI	DYHEATAJA	-	SUN KURSK	1072 -
90	IPI	29	-	-	-	DDR	1072 -
91	IPI	1935	-	-	-	IND	1072 -
92	IPI	1974	IPI	DNEPROVSRAJA 2	-	SUN UKRAINE	1072 -
93	IPI	1975	IPI	DNEPROVSRAJA 3	-	SUN UKRAINE	1072 -
94	IPI	2126	IPI	ZELENAJA AHUNSHAJA	-	SUN PENZA	1072 -
95	IPI	517	IPI	ERVILIJA 10	-	SUN UKRAINE	1072 -
96	INRA	-	INRA H.FARAJ	1	-	MAR	1072 -
97	INRA	-	INRA H.FARAJ	24	-	MAR	1072 -
98	INRA	-	INRA H.FARAJ	51	-	MAR	1072 -
99	INRA	-	INRA H.FARAJ	53	-	MAR	1072 -
100	INRA	-	INRA H.FARAJ	54	-	MAR	1072 -
101	INRA	-	INRA H.FARAJ	56	-	MAR	1072 -
102	IFC	G-30	-	1859-103	-	GRC	1072 -
103	IFC	M-1956	-	1891-107	-	DDR	1072 -
104	IFC	G-1	-	2415-120	-	GRC	1072 -
105	WSU	-	WSU V.E.WILSON	-	0971	USA	1072 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	Rdat Ind
106	WRPIS	PI 163589	-	1035	-	GTH	1072 *
107	WRPIS	PI 165019	-	95	-	TUR	1072 *
108	WRPIS	PI 165586	-	9394	-	IND	1072 *
109	WRPIS	PI 165599	-	9410	-	IND	1072 *
110	WRPIS	PI 167386	-	581	-	TUR	1072 *
111	WRPIS	PI 169519	-	1649	0572	TUR ANTAKYA	1072 *
112	WRPIS	PI 169523	-	1932	0572	TUR HUGLA	1072 *
113	WRPIS	PI 169527	-	2158	0672	TUR ANTAKYA	1072 *
114	WRPIS	PI 169531	-	2580	0672	TUR KIRKLARELI	1072 *
115	WRPIS	PI 169534	-	2668	0672	TUR EDIRNE	1072 *
116	WRPIS	PI 169542	-	2927	0672	TUR CANAKKALE	1072 *
117	WRPIS	PI 169552	-	3271	0672	TUR BLACK SEA	1072 *
118	WRPIS	PI 169556	-	3528	-	TUR	1072 *
119	WRPIS	PI 170478	-	1629	0572	TUR ANTALYA	1072 *
120	WRPIS	PI 171683	-	6876	0772	TUR TOKAT	1072 *
121	WRPIS	PI 172933	-	7316	0872	TUR KARS	1072 *
122	WRPIS	PI 172938	-	8074	0972	TUR DIYARBAKIR	1072 *
123	WRPIS	PI 172944	-	8476	-	TUR	1072 *
124	WRPIS	PI 172947	-	8559	-	TUR DARENDE	1072 *
125	WRPIS	PI 172949	-	8674	0972	TUR SIVAS	1072 *
126	WRPIS	PI 172953	-	8762	-	TUR ELAZIG	1072 *
127	WRPIS	PI 173718	-	7950	0872	TUR MUS	1072 *
128	WRPIS	PI 174238	-	7741	0872	TUR VAN MURADIYE	1072 *
129	WRPIS	PI 174246	-	8326	0972	TUR URFA	1072 *
130	WRPIS	PI 174249	-	8437	-	TUR GAZIANTEP	1072 *
131	WRPIS	PI 174251	-	8745	0972	TUR SAFALAR	1072 *
132	WRPIS	PI 174873	-	9955	0972	TUR HASUR TEHRI	1072 *
133	WRPIS	PI 175746	-	5436	0972	TUR CORLU	1072 *
134	WRPIS	PI 175748	-	5516	1072	TUR ARAC	1072 *
135	WRPIS	PI 175751	-	5774	1072	TUR AYVACIK	1072 *
136	WRPIS	PI 175753	-	6086	1072	TUR SALINLI MANISA	1072 *
137	WRPIS	PI 175754	-	8889	0972	TUR ERZINCAN	1072 *
138	WRPIS	PI 175755	-	9022	0972	TUR CORUM	1072 *
139	WRPIS	PI 175758	-	9101	0972	TUR KAYSERI	1072 *
140	WRPIS	PI 175759	-	9112	-	TUR BOGAZLIYAN TOZGAT	1072 *

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
141	WRPIS	PI 176602	-	-	8824	0972 TUR	PARTEK TUNCELI	1072 -
142	WRPIS	PI 176604	-	-	9008	0972 TUR	KUNKET	1072 *
143	WRPIS	PI 176607	-	-	9286	- TUR	KONYA	1072 -
144	WRPIS	PI 176610	-	-	9406	0972 TUR	AFYON	1072 *
145	WRPIS	PI 176986	-	-	5555	- TUR	KASTAMONU	1072 *
146	WRPIS	PI 176987	-	-	9346	0972 TUR	KONYA	1072 -
147	WRPIS	PI 176988	-	-	5360	0972 TUR	ISTANBUL	1072 *
148	WRPIS	PI 176993	-	-	5847	- TUR	KIZILVIRAN	1072 *
149	WRPIS	PI 176994	-	-	5860	- TUR	TEKIRDAG	1072 *
150	WRPIS	PI 176995	-	-	5893	- TUR	ISTANBUL	1072 *
151	WRPIS	PI 177430	-	-	4841	- TUR	ANKARA	1072 *
152	WRPIS	PI 177432	-	-	4914	- TUR	AMASYA	1072 *
153	WRPIS	PI 177433	-	-	4938	- TUR	CORUM	1072 *
154	WRPIS	PI 177437	-	-	6281	- TUR	HAKKARI	1072 *
155	WRPIS	PI 177438	-	-	6288	- TUR	HAKKARI	1072 *
156	WRPIS	PI 177439	-	-	6324	- TUR	HAKKARI	1072 *
157	WRPIS	PI 177441	-	-	9783	- SYR	DAMASCUS	1072 -
158	WRPIS	PI 177442	-	-	9790	- SYR	DAMASCUS	1072 *
159	WRPIS	PI 178928	-	-	4804	- TUR	HARDIN	1072 -
160	WRPIS	PI 178931	-	-	4807	- TUR	DIYARBAKIR	1072 -
161	WRPIS	PI 178934	-	-	4810	- TUR	KARS	1072 -
162	WRPIS	PI 178939	-	-	4815	- TUR	-	1072 -
163	WRPIS	PI 178940	-	-	4816	- TUR	EDIRNE	1072 -
164	WRPIS	PI 178945	-	-	4833	- TUR	KUTAHYA	1072 -
165	WRPIS	PI 178946	-	-	4834	- TUR	ANKARA	1072 -
166	WRPIS	PI 178947	-	-	4846	- TUR	-	1072 -
167	WRPIS	PI 178952	-	-	4990	- TUR	ANKARA	1072 -
168	WRPIS	PI 178957	-	-	5542	- TUR	DIYARBAKIR	1072 -
169	WRPIS	PI 178961	-	-	9494	- TUR	KUTAHYA	1072 -
170	WRPIS	PI 178964	-	-	9637	- TUR	ESKISEHIR	1072 *
171	WRPIS	PI 178966	-	-	10148	- TUR	ORHANGAZI	1072 -
172	WRPIS	PI 178969	-	-	10223	- TUR	DIYARBAKIR	1072 -
173	WRPIS	PI 178971	-	-	10218	- TUR	-	1072 -
174	WRPIS	PI 179300	-	-	4511	- TUR	-	1072 -
175	WRPIS	PI 179304	-	-	4823	- TUR	BALIKESIR	1072 -

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedisree)	CDat	Cou	Province or Town	RDat	Ind
176	WRPIS	PI 179307	-	4827	-	TUR	KASTAMONU	1072	*
177	WRPIS	PI 179309	-	4929	-	TUR	AFYON	1072	-
178	WRPIS	PI 179310	-	4830	-	TUR	AFYON	1072	-
179	WRPIS	PI 179313	-	4835	-	TUR	-	1072	-
180	WRPIS	PI 179315	-	4837	-	TUR	TEKIRDAG	1072	*
181	WRPIS	PI 179317	-	4840	-	TUR	YOZGAT	1072	-
182	WRPIS	PI 179319	-	4844	-	TUR	EDIRNE	1072	*
183	WRPIS	PI 179321	-	5124	-	TUR	TEKIRDAG	1072	*
184	WRPIS	PI 179323	-	6003	-	TUR	URFA	1072	-
185	WRPIS	PI 179324	-	9729	-	TUR	ARNET	1072	-
186	WRPIS	PI 179330	-	10083	-	TUR	BEKSIRI SURT	1072	-
187	WRPIS	PI 179331	-	10133	-	TUR	IRSAT	1072	-
188	WRPIS	PI 179333	-	10329	-	TUR	ERZURUM	1072	-
189	WRPIS	PI 179334	-	10339	-	TUR	ANKARA	1072	-
190	WRPIS	PI 179335	-	10350	-	TUR	UHURBEY	1072	-
191	WRPIS	PI 181771	-	9940	-	LEB	ZAHLEH	1072	*
192	WRPIS	PI 181886	-	49	-	SYR	ALEPPO	1072	-
193	WRPIS	PI 181949	-	37	-	SYR	HOMS	1072	-
194	WRPIS	PI 181950	-	38	-	SYR	HOMS	1072	-
195	WRPIS	PI 182213	-	10403	-	TUR	MARDIN	1072	-
196	WRPIS	PI 182217	-	10517	-	TUR	MARAS	1072	-
197	WRPIS	PI 182219	-	10558	-	TUR	BALIKESIR	1072	-
198	WRPIS	PI 182220	-	10590	-	TUR	BITLIS	1072	-
199	WRPIS	PI 183686	-	10650	-	TUR	MARAS	1072	-
200	WRPIS	PI 183688	-	10714	-	TUR	ERZURUM	1072	-
201	WRPIS	PI 185035	-	10866	-	TUR	-	1072	-
202	WRPIS	PI 185601	-	-	-	EGY	-	1072	-
203	WRPIS	PI 193546	-	8507	-	ETH	ADDIS ABABA	1072	-
204	WRPIS	PI 193547	-	8579	-	ETH	-	1072	-
205	WRPIS	PI 193548	-	8589	-	ETH	-	1072	-
206	WRPIS	PI 193549	-	8726	-	ETH	DIREDAWA	1072	-
207	WRPIS	PI 193550	-	8744	-	ETH	HARAR	1072	-
208	WRPIS	PI 193817	-	8801	-	ETH	ADDIS ABABA	1072	-
209	WRPIS	PI 207492	-	12621	-	AFG	-	1072	-
210	WRPIS	PI 209447	-	3844	-	CRI	CARTAGO	1072	-

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
211	WRPIS	PI 209858	-	F1	-	GRC	1072 -
212	WRPIS	PI 211052	-	12891	-	AFG HAZAR-I-SHARIFF	1072 -
213	WRPIS	PI 211602	-	12984	-	AFG FARAH	1072 -
214	WRPIS	PI 211732	-	12944	-	AFG HERAT	1072 -
215	WRPIS	PI 212100	-	13058	-	AFG GHAZNI	1072 -
216	WRPIS	PI 212609	-	13088	-	AFG	1072 -
217	WRPIS	PI 212610	-	13092	-	AFG JALALABAD	1072 -
218	WRPIS	PI 212611	-	13128	-	AFG SIRAJ EESTER	1072 -
219	WRPIS	PI 212903	-	13288	-	IND BOMBAY	1072 -
220	WRPIS	PI 212904	-	13355	-	IND BOMBAY	1072 -
221	WRPIS	PI 216036	-	13753	-	IND DELHI	1072 -
222	WRPIS	PI 217949	-	14156	-	PAK DERAISHMAIL KHAN	1072 -
223	WRPIS	PI 229611	-	15740	-	IRN	1072 -
224	WRPIS	PI 238758	-	-	-	BEL	1072 -
225	WRPIS	PI 244046	-	29	-	SOM TAIZ	1072 -
226	WRPIS	PI 250153	-	K424	-	PAK MURREE	1072 -
227	WRPIS	PI 250154	-	K449	-	PAK ABOTABAD	1072 -
228	WRPIS	PI 250155	-	K495	-	PAK KOHAT	1072 -
229	WRPIS	PI 250156	-	K521	-	PAK PESHAWAR	1072 -
230	WRPIS	PI 250157	-	K632	-	PAK GUJRAT	1072 -
231	WRPIS	PI 250158	-	K633	-	PAK GUJRAT	1072 -
232	WRPIS	PI 251029	-	K1378	-	IRN ESFAHAN	1072 -
233	WRPIS	PI 251030	-	K379	-	IRN ESFAHAN	1072 *
234	WRPIS	PI 251031	-	K1568	-	IRN ARDABIL	1072 -
235	WRPIS	PI 251032	-	K1569	-	IRN	1072 -
236	WRPIS	PI 251248	-	K1068	-	EGY KENA	1072 -
237	WRPIS	PI 251784	-	1893	-	SUN	1072 *
238	WRPIS	PI 251785	-	1814	-	SUN ONENROPETROUSK	1072 -
239	WRPIS	PI 251786	-	1815	-	SUN KRASNODGRAD	1072 -
240	WRPIS	PI 254553	-	K1147	-	SYR DAMASCUS	1072 -
241	WRPIS	PI 254554	-	K1149	-	SYR DAMASCUS	1072 -
242	WRPIS	PI 268262	-	60	-	IRN KAZERUM	1072 -
243	WRPIS	PI 268263	-	147	-	IRN GORGAN	1072 -
244	WRPIS	PI 269509	-	891	-	PAK CHITRAL	1072 -
245	WRPIS	PI 269510	-	936	-	PAK LOWER NALTA	1072 -

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246	WRPIS	PI 269511	-	-	992	-	PAK	DUMONT	1072	-
247	WRPIS	PI 273664	-	-	1886	-	ETH	DIREDAHA	1072	-
248	WRPIS	PI 274300	-	-	758	-	PAK	GUPIS	1072	-
249	WRPIS	PI 280686	-	-	GIZA 9	-	EGY	-	1072	-
250	WRPIS	PI 280731	-	-	-	-	TUR	-	1072	-
251	WRPIS	PI 283605	-	-	C.P.I., 20788	-	GRC	-	1072	-
252	WRPIS	PI 283606	-	-	C.P.I., 20789	-	-	-	1072	-
253	WRPIS	PI 283607	-	-	C.P.I., 20790	-	GRC	-	1072	-
254	WRPIS	PI 283608	-	-	C.P.I., 20791	-	GRC	-	1072	-
255	WRPIS	PI 287516	-	-	-	-	TUR	GAZIANTEP	1072	-
256	WRPIS	PI 289066	-	-	11-3-1	-	CSK	-	1072	-
257	WRPIS	PI 289069	-	-	11-3-6	-	IRN	-	1072	-
258	WRPIS	PI 289071	-	-	11-3-13	-	HUN	-	1072	-
259	WRPIS	PI 289072	-	-	11-3-15	-	HUN	-	1072	-
260	WRPIS	PI 289073	-	-	11-3-16	-	HUN	-	1072	-
261	WRPIS	PI 289074	-	-	11-3-19	-	HUN	-	1072	-
262	WRPIS	PI 289075	-	-	11-3-20	-	CYP	-	1072	-
263	WRPIS	PI 289076	-	-	11-3-21	-	CSK	-	1072	-
264	WRPIS	PI 289078	-	-	11-3-27	-	HUN	-	1072	-
265	WRPIS	PI 289079	-	-	11-3-30	-	EGY	-	1072	-
266	WRPIS	PI 297089	-	-	1	-	PAK	-	1072	-
267	WRPIS	PI 297090	-	-	2	-	PAK	-	1072	-
268	WRPIS	PI 297284	-	-	-	-	PER	-	1072	-
269	WRPIS	PI 297285	-	-	-	-	ARG	-	1072	-
270	WRPIS	PI 297287	-	-	-	-	ARG	-	1072	-
271	WRPIS	PI 297739	-	-	F-1	-	GRC	-	1072	-
272	WRPIS	PI 297740	-	-	F-15	-	GRC	-	1072	-
273	WRPIS	PI 297741	-	-	F-18	-	GRC	-	1072	-
274	WRPIS	PI 297742	-	-	F-21	-	GRC	-	1072	-
275	WRPIS	PI 297743	-	-	F-22	-	GRC	-	1072	-
276	WRPIS	PI 297744	-	-	F-24	-	GRC	-	1072	-
277	WRPIS	PI 297745	-	-	F-26	-	GRC	-	1072	-
278	WRPIS	PI 297746	-	-	F-28	-	GRC	-	1072	-
279	WRPIS	PI 297747	-	-	F-29	-	GRC	-	1072	-
280	WRPIS	PI 297748	-	-	F-30	-	GRC	-	1072	-

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281	WRPIS	PI 297749	-	-	F-31	-	GRC	-	1072	-
282	WRPIS	PI 297750	-	-	F-32	-	GRC	-	1072	-
283	WRPIS	PI 297751	-	-	F-33	-	GRC	-	1072	-
284	WRPIS	PI 297752	-	-	F-34	-	GRC	-	1072	-
285	WRPIS	PI 297753	-	-	F-35	-	GRC	-	1072	-
286	WRPIS	PI 297754	-	-	F-36	-	GRC	-	1072	-
287	WRPIS	PI 297755	-	-	F-37	-	GRC	-	1072	-
288	WRPIS	PI 297756	-	-	M-1956	-	DDR	-	1072	-
289	WRPIS	PI 297757	-	-	M-3439	-	GRC	-	1072	-
290	WRPIS	PI 297758	-	-	M-5753	-	GRC	-	1072	-
291	WRPIS	PI 297759	-	-	M-6017	-	DZA	-	1072	-
292	WRPIS	PI 297760	-	-	M-6022	-	DZA	-	1072	-
293	WRPIS	PI 297761	-	-	M-6110	-	GRC	-	1072	-
294	WRPIS	PI 297762	-	-	M-6151	-	GRC	-	1072	-
295	WRPIS	PI 297763	-	-	M-6152	-	GRC	-	1072	-
296	WRPIS	PI 297764	-	-	M-6153	-	GRC	-	1072	-
297	WRPIS	PI 297765	-	-	M-6154	-	GRC	-	1072	-
298	WRPIS	PI 297766	-	-	M-6155	-	GRC	-	1072	-
299	WRPIS	PI 297767	-	-	M-6157	-	GRC	-	1072	-
300	WRPIS	PI 297768	-	-	M-6158	-	GRC	-	1072	-
301	WRPIS	PI 297769	-	-	M-6159	-	GRC	RODOS	1072	-
302	WRPIS	PI 297770	-	-	M-6274	-	GRC	GIANNITSA	1072	-
303	WRPIS	PI 297771	-	-	M-6275	-	GRC	DARA	1072	-
304	WRPIS	PI 297772	-	-	M-6743	-	GRC	KALAMAI	1072	*
305	WRPIS	PI 297773	-	-	M-6744	-	GRC	KEFALLINIA	1072	*
306	WRPIS	PI 297774	-	-	M-6745	-	GRC	SERRAI	1072	*
307	WRPIS	PI 297775	-	-	M-6747	-	GRC	ARKADIA	1072	*
308	WRPIS	PI 297776	-	-	M-6752	-	GRC	ILIAS	1072	*
309	WRPIS	PI 297777	-	-	M-6759	-	GRC	SERRAI	1072	*
310	WRPIS	PI 297778	-	-	M-7455	-	GRC	PTOLEMAIS	1072	-
311	WRPIS	PI 297779	-	-	M-8029	-	GRC	IONIAN	1072	*
312	WRPIS	PI 297780	-	-	M-8030	-	GRC	IONIAN	1072	*
313	WRPIS	PI 297781	-	-	M-8039	-	-	-	1072	-
314	WRPIS	PI 297782	-	-	M-8201	-	TUR	-	1072	-
315	WRPIS	PI 297783	-	-	M-8258	-	ETH	-	1072	-

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316	WRPIS	PI 297784	-	M-8465 NO. 1	-	MAR	KENITRA	1072	-
317	WRPIS	PI 297785	-	M-8466 SOFI NO. 24	-	MAR	SOFI	1072	*
318	WRPIS	PI 297786	-	M-8752	-	SUN	-	1072	*
319	WRPIS	PI 297787	-	M-8753	-	SUN	-	1072	*
320	WRPIS	PI 297788	-	M-8881	-	HUN	PALLAGITEK	1072	-
321	WRPIS	PI 297789	-	M-9087	-	GRC	KEFALLINIA	1072	*
322	WRPIS	PI 297790	-	M-9176	-	GRC	KEFALLINIA	1072	*
323	WRPIS	PI 297797	-	-	-	YUG	BELGRADE	1072	-
324	WRPIS	PI 297798	-	-	-	YUG	NOVI SAD	1072	-
325	WRPIS	PI 298019	-	NO60/75A	-	TUR	KONYA	1072	-
326	WRPIS	PI 298020	-	NO. 60/92A	-	TUR	NIGDE	1072	-
327	WRPIS	PI 298021	-	NO. 170	-	TUR	HERZIFON AMASYA	1072	-
328	WRPIS	PI 298022	-	NO. 179	-	TUR	ANKARA	1072	-
329	WRPIS	PI 298023	-	NO. 60/40B	-	TUR	ERBAA TOKAT	1072	-
330	WRPIS	PI 298024	-	NO. 60/42A	-	TUR	SUSEHRI SIVAS	1072	-
331	WRPIS	PI 298026	-	NO. 60/11B	-	TUR	CIHADYE ADANA	1072	-
332	WRPIS	PI 298027	-	NO. 60/26B	-	TUR	ILGIN KONYA	1072	-
333	WRPIS	PI 298028	-	NO. 60/28A	-	TUR	KUTAHYA	1072	-
334	WRPIS	PI 298029	-	NO. 60/73A	-	TUR	BOLVADIN AFYON	1072	-
335	WRPIS	PI 298121	-	-	-	FRA	CHAMPAGNE	1072	-
336	WRPIS	PI 298122	-	-	-	FRA	BEAUNE	1072	-
337	WRPIS	PI 298357	-	-	-	EGY	GIZA	1072	-
338	WRPIS	PI 298631	-	-	-	PER	PAMPA	1072	-
339	WRPIS	PI 298644	-	-	-	ESP	CUENCA	1072	-
340	WRPIS	PI 298645	-	-	-	ESP	TOLEDO	1072	-
341	WRPIS	PI 298921	-	-	-	ITA	ALTAMURA	1072	-
342	WRPIS	PI 298922	-	-	-	ITA	CASTELLUCIO	1072	-
343	WRPIS	PI 298923	-	TYPE NO 1	-	ITA	-	1072	*
344	WRPIS	PI 298924	-	TYPE NO 2	-	ITA	-	1072	*
345	WRPIS	PI 299114	-	PARC 127	-	MEX	-	1072	-
346	WRPIS	PI 299115	-	PARC 147	-	MEX	-	1072	-
347	WRPIS	PI 299116	-	PARC 160	-	MEX	-	1072	-
348	WRPIS	PI 299117	-	PARC 172	-	MEX	-	1072	-
349	WRPIS	PI 299118	-	PARC 181	-	MEX	-	1072	-
350	WRPIS	PI 299119	-	PARC 201	-	MEX	-	1072	-

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351	WRPIS	PI 299120	-	PARC 203	-	MEX -	1072 -
352	WRPIS	PI 299121	-	PARC 207	-	MEX -	1072 -
353	WRPIS	PI 299122	-	PARC 212	-	MEX -	1072 -
354	WRPIS	PI 299123	-	PARC 248	-	MEX -	1072 -
355	WRPIS	PI 299124	-	PARC 284	-	MEX -	1072 -
356	WRPIS	PI 299125	-	PARC 293	-	MEX -	1072 -
357	WRPIS	PI 299126	-	PARC 299	-	MEX -	1072 -
358	WRPIS	PI 299127	-	PARC 326	-	MEX -	1072 -
359	WRPIS	PI 299144	-	1001	-	CHL ACONCAGUA	1072 *
360	WRPIS	PI 299148	-	1008	-	CHL BIO-BIO	1072 *
361	WRPIS	PI 299149	-	1009	-	CHL SANTIAGO	1072 *
362	WRPIS	PI 299150	-	1010	-	CHL ACONCAGUA	1072 *
363	WRPIS	PI 299151	-	1012	-	CHL ACONCAGUA	1072 *
364	WRPIS	PI 299156	-	1025	-	CHL SANTIAGO	1072 *
365	WRPIS	PI 299160	-	1050 LP 54-12	-	CHL -	1072 -
366	WRPIS	PI 299161	-	1051 LP 54-13	-	CHL -	1072 -
367	WRPIS	PI 299168	-	1058 LP 54-92	-	CHL -	1072 -
368	WRPIS	PI 299169	-	1059 LP 54-95	-	CHL -	1072 -
369	WRPIS	PI 299170	-	1060 LP 54-101	-	CHL -	1072 -
370	WRPIS	PI 299173	-	1063 LP 54-136	-	CHL -	1072 -
371	WRPIS	PI 299174	-	1064 LP 54-80	-	CHL -	1072 -
372	WRPIS	PI 299175	-	1065 LP 54-85	-	CHL -	1072 -
373	WRPIS	PI 299176	-	1066 LP 54-94	-	CHL -	1072 -
374	WRPIS	PI 299177	-	1067 LP 54-99	-	CHL -	1072 -
375	WRPIS	PI 299178	-	1068 LP 54-115	-	CHL -	1072 -
376	WRPIS	PI 299179	-	1069 LP 54-136	-	CHL -	1072 -
377	WRPIS	PI 299180	-	1070 LP 54-160	-	CHL -	1072 -
378	WRPIS	PI 299181	-	1071 LP 54-182	-	CHL -	1072 -
379	WRPIS	PI 299182	-	1072 LP 54-195	-	CHL -	1072 -
380	WRPIS	PI 299183	-	1073 LP 54-244	-	CHL -	1072 -
381	WRPIS	PI 299184	-	1074 LP 54-248	-	CHL -	1072 -
382	WRPIS	PI 299185	-	1075 LP 54-275	-	CHL -	1072 -
383	WRPIS	PI 299186	-	1076 LP 54-276	-	CHL -	1072 -
384	WRPIS	PI 299187	-	1077 LP 54-279	-	CHL -	1072 -
385	WRPIS	PI 299188	-	1078 LP 54-316	-	CHL -	1072 -

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386	WRPIS	PI 299190	-	1080 LP 54-1040	-	CHL -	1072 -
387	WRPIS	PI 299191	-	1081 LP 54-341	-	CHL -	1072 -
388	WRPIS	PI 299192	-	1082 LP 54-343	-	CHL -	1072 -
389	WRPIS	PI 299197	-	1087 LP 54-371	-	CHL -	1072 -
390	WRPIS	PI 299200	-	1090 LP 54-392	-	CHL -	1072 -
391	WRPIS	PI 299203	-	1093 LP 54-423	-	CHL -	1072 -
392	WRPIS	PI 299206	-	1096 LP 54-502	-	CHL -	1072 -
393	WRPIS	PI 299211	-	1101 LP 54-555	-	CHL -	1072 -
394	WRPIS	PI 299212	-	1102 LP 54-574	-	CHL -	1072 -
395	WRPIS	PI 299214	-	1104 LP 54-591	-	CHL -	1072 -
396	WRPIS	PI 299216	-	1106 LP 54-638	-	CHL -	1072 -
397	WRPIS	PI 299217	-	1107 LP 54-649	-	CHL -	1072 -
398	WRPIS	PI 299218	-	1108 LP 54-666	-	CHL -	1072 -
399	WRPIS	PI 299219	-	1109 LP 54-683	-	CHL -	1072 -
400	WRPIS	PI 299224	-	1114 LP 54-939	-	CHL -	1072 -
401	WRPIS	PI 299227	-	1117 LP 54-1011	-	CHL -	1072 -
402	WRPIS	PI 299230	-	1120 LP 54-1030	-	CHL -	1072 -
403	WRPIS	PI 299231	-	1121 LP 54-1091	-	CHL -	1072 -
404	WRPIS	PI 299233	-	1123 LP 54-1160	-	CHL -	1072 -
405	WRPIS	PI 299234	-	1124 LP 54-1207	-	CHL -	1072 -
406	WRPIS	PI 299239	-	1129 LP 54-1374	-	CHL -	1072 -
407	WRPIS	PI 299245	-	1136 LP 54-1665	-	CHL -	1072 -
408	WRPIS	PI 299246	-	1137 LP 54-1688	-	CHL -	1072 -
409	WRPIS	PI 299250	-	1141 LP 54-1815	-	CHL -	1072 -
410	WRPIS	PI 299251	-	1142 LP 54-1871	-	CHL -	1072 -
411	WRPIS	PI 299268	-	1159 LP 54-2295	-	CHL -	1072 -
412	WRPIS	PI 299271	-	1162 LP 54-2323	-	CHL -	1072 -
413	WRPIS	PI 299274	-	1166 LP 54-2427	-	CHL -	1072 -
414	WRPIS	PI 299276	-	1168 LP 54-2458	-	CHL -	1072 -
415	WRPIS	PI 299277	-	1169 LP 54-2467	-	CHL -	1072 -
416	WRPIS	PI 299252	-	1143 LP 54-1885	-	CHL -	1072 -
417	WRPIS	PI 299253	-	1144 LP 54-1895	-	CHL -	1072 -
418	WRPIS	PI 299259	-	1151 LP 54-2135	-	CHL -	1072 -
419	WRPIS	PI 299265	-	1156 LP 54-2256	-	CHL -	1072 -
420	WRPIS	PI 299284	-	1176 LP 54-2559	-	CHL -	1072 -

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421	WRPIS	PI 299285	-	-	1177 LP 54-2595	-	CHL -	1072 -
422	WRPIS	PI 299286	-	-	1178 LP 54-2600	-	CHL -	1072 -
423	WRPIS	PI 299288	-	-	1181 LP 54-2680	-	CHL -	1072 -
424	WRPIS	PI 299291	-	-	1185 LP 54-2751	-	CHL -	1072 -
425	WRPIS	PI 299297	-	-	1191 LP 54-2868	-	CHL -	1072 -
426	WRPIS	PI 299298	-	-	1192 LP 54-2875	-	CHL -	1072 -
427	WRPIS	PI 299299	-	-	1193 LP 54-2893	-	CHL -	1072 -
428	WRPIS	PI 299301	-	-	1195 LP 54-2945	-	CHL -	1072 -
429	WRPIS	PI 299304	-	-	1198 LP 54-3037	-	CHL -	1072 -
430	WRPIS	PI 299305	-	-	1199 LP 54-3048	-	CHL -	1072 -
431	WRPIS	PI 299307	-	-	1201 LP 54-3113	-	CHL -	1072 -
432	WRPIS	PI 299308	-	-	1202 LP 54-3112	-	CHL -	1072 -
433	WRPIS	PI 299310	-	-	1216	-	CHL VALPARAISO	1072 *
434	WRPIS	PI 299311	-	-	1218	-	CHL TALCA	1072 *
435	WRPIS	PI 299312	-	-	1219	-	CHL SANTIAGO	1072 *
436	WRPIS	PI 299313	-	-	1220	-	CHL LINARES	1072 *
437	WRPIS	PI 299314	-	-	1225	-	CHL TALCA	1072 *
438	WRPIS	PI 299315	-	-	1262 NO. 1/1	-	CHL -	1072 -
439	WRPIS	PI 299316	-	-	1263 NO. 1/2	-	CHL -	1072 -
440	WRPIS	PI 299318	-	-	1265 NO. 1/5	-	CHL -	1072 -
441	WRPIS	PI 299319	-	-	1266 NO. 1/10	-	CHL -	1072 -
442	WRPIS	PI 299320	-	-	1267 NO. 1/14	-	CHL -	1072 -
443	WRPIS	PI 299321	-	-	1268 NO. 1/15	-	CHL -	1072 -
444	WRPIS	PI 299322	-	-	1269 NO. 1/16	-	CHL -	1072 -
445	WRPIS	PI 299325	-	-	1272 NO. 2/3	-	CHL -	1072 -
446	WRPIS	PI 299326	-	-	1273 NO. 2/7	-	CHL -	1072 -
447	WRPIS	PI 299328	-	-	1275 NO. 2/18	-	CHL -	1072 -
448	WRPIS	PI 299331	-	-	1278 NO. 4/3	-	CHL -	1072 -
449	WRPIS	PI 299335	-	-	1282 NO. 5/20	-	CHL -	1072 -
450	WRPIS	PI 299338	-	-	1285 NO. 7/7	-	CHL -	1072 -
451	WRPIS	PI 299340	-	-	1287 NO. 9/14	-	CHL -	1072 -
452	WRPIS	PI 299341	-	-	1288 NO. 9/20	-	CHL -	1072 -
453	WRPIS	PI 299343	-	-	1290 NO. 10/20	-	CHL -	1072 -
454	WRPIS	PI 299345	-	-	1292	-	CHL CURICO	1072 *
455	WRPIS	PI 299346	-	-	1296	-	CHL CURICO	1072 *

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456	WRPIS	PI 299352	-	3007	-	CHL CHIMBARONGA COLCHAGUA	1072 -
457	WRPIS	PI 299354	-	3015	-	CHL MACHALI O'HIGGINS	1072 -
458	WRPIS	PI 299355	-	3018	-	CHL MALLAO O'HIGGINS	1072 -
459	WRPIS	PI 299358	-	3024	-	CHL NATIJILLA O'HIGGINS	1072 -
460	WRPIS	PI 299360	-	3041	-	CHL BIO-BIO	1072 *
461	WRPIS	PI 299361	-	3042	-	CHL CAQUENES MAULI	1072 -
462	WRPIS	PI 299362	-	3050	-	CHL TIJERAL MALLECO	1072 -
463	WRPIS	PI 299364	-	3053	-	CHL BIO-BIO	1072 *
464	WRPIS	PI 299365	-	3153	-	CHL CAIMANES CAQUIMBO	1072 -
465	WRPIS	PI 299366	-	4014 PL 59-1209	-	CHL SANTIAGO	1072 -
466	WRPIS	PI 299367	-	4016 PL 59-1211	-	CHL SANTIAGO	1072 -
467	WRPIS	PI 299369	-	4018 PL 59-1219	-	CHL SANTIAGO	1072 -
468	WRPIS	PI 299371	-	4020 PL 59-1223	-	CHL SANTIAGO	1072 -
469	WRPIS	PI 299375	-	6111 PL 59-1231	-	CHL SANTIAGO	1072 -
470	WRPIS	PI 300248	-	-	-	SYR -	1072 -
471	WRPIS	PI 300249	-	-	-	SYR -	1072 -
472	WRPIS	PI 300250	-	-	-	SYR -	1072 -
473	WRPIS	PI 300251	-	-	-	SYR -	1072 -
474	WRPIS	PI 300252	-	-	-	SYR -	1072 -
475	WRPIS	PI 300253	-	-	-	SYR -	1072 -
476	WRPIS	PI 300254	-	-	-	SYR -	1072 -
477	WRPIS	PI 300255	-	-	-	SYR -	1072 -
478	WRPIS	PI 300558	-	1	-	LBN AYNKFORZABAD	1072 -
479	WRPIS	PI 300559	-	2	-	LBN DOURES	1072 -
480	WRPIS	PI 300560	-	3	-	LBN TALYA	1072 -
481	WRPIS	PI 300561	-	4	-	LBN TALYA	1072 -
482	WRPIS	PI 300562	-	5	-	LBN TAYBI	1072 -
483	WRPIS	PI 300563	-	6	-	LBN TERBOL	1072 -
484	WRPIS	PI 300564	-	1	-	LBN DOURES	1072 -
485	WRPIS	PI 300565	-	2	-	LBN TAYBI	1072 -
486	WRPIS	PI 302398	-	-	-	JOR IRBID	1072 -
487	WRPIS	PI 308608	-	BALADI	-	SYR BAEB JANEH	1072 -
488	WRPIS	PI 308609	-	HOMSI OR KURDI	-	SYR -	1072 -
489	WRPIS	PI 308610	-	KURDI	-	SYR -	1072 -
490	WRPIS	PI 308611	-	NORTHERN RED	-	SYR -	1072 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
491	WRPIS	PI 308612	-	-	-	SYR -	1072 -
492	WRPIS	PI 308613	-	-	-	SYR -	1072 -
493	WRPIS	PI 308614	-	-	-	SYR -	1072 -
494	WRPIS	PI 311107	-	21389	-	GTH -	1072 -
495	WRPIS	PI 312175	-	21322	-	MEX NODIXTLAR	1072 -
496	WRPIS	PI 312176	-	21323	-	MEX OAXACA	1072 -
497	WRPIS	PI 312177	-	21324	-	MEX OCOLTAN	1072 -
498	WRPIS	PI 312178	-	21325	-	MEX MIXTECA	1072 -
499	WRPIS	PI 312179	-	21326	-	MEX SANTA ANA	1072 -
500	WRPIS	PI 312180	-	21884	-	MEX -	1072 -
501	WRPIS	PI 319366	-	22247	-	MEX URUAPAN/MICHOACAN	1072 -
502	WRPIS	PI 319367	-	22254	-	MEX MICHOACAN	1072 -
503	WRPIS	PI 320935	-	K-6	-	IRN -	1072 -
504	WRPIS	PI 320936	-	K-15	-	SUN DAGHESTAN	1072 -
505	WRPIS	PI 320937	-	K-29	-	DDR -	1072 -
506	WRPIS	PI 320938	-	K-244	-	SUN UKRAINE	1072 -
507	WRPIS	PI 320939	-	K-331	-	TUN -	1072 -
508	WRPIS	PI 320940	-	K-336	-	ITA -	1072 -
509	WRPIS	PI 320941	-	K-359	-	ETH -	1072 -
510	WRPIS	PI 320942	-	K-383	-	AFG -	1072 -
511	WRPIS	PI 320944	-	K-436	-	DZA -	1072 -
512	WRPIS	PI 320945	-	K-487	-	BGR -	1072 -
513	WRPIS	PI 320946	-	K-612	-	PAL -	1072 -
514	WRPIS	PI 320947	-	K-1177	-	TUR -	1072 -
515	WRPIS	PI 320948	-	K-1831	-	SUN AZERBEIDJAN	1072 -
516	WRPIS	PI 320949	-	K-1834	-	SUN TADZIKISTAN	1072 -
517	WRPIS	PI 320950	-	K-1849	-	SUN ARHENIA	1072 -
518	WRPIS	PI 320951	-	K-1978	-	IND -	1072 -
519	WRPIS	PI 320952	-	K-2079	-	CSK -	1072 -
520	WRPIS	PI 320953	-	K-2086	-	DDR -	1072 -
521	WRPIS	PI 320954	-	K-2101	-	HUN -	1072 -
522	WRPIS	PI 329157	-	33-071-10409	-	IRN ARDABIL	1072 -
523	WRPIS	PI 329158	-	33-071-10410	-	IRN KHDY	1072 -
524	WRPIS	PI 329159	-	33-071-10411	-	IRN MOGHAN	1072 -
525	WRPIS	PI 329160	-	33-071-10413	-	IRN ARDABIL	1072 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
526	WRPIS	PI 329161	-	33-071-10415	-	IRN ARDABIL	1072 -
527	WRPIS	PI 329162	-	33-071-10416	-	IRN ARDABIL	1072 -
528	WRPIS	PI 329163	-	33-071-10417	-	IRN ARDABIL	1072 -
529	WRPIS	PI 329165	-	33-071-10420A	-	IRN ARDABIL OR TABRIZ	1072 -
530	WRPIS	PI 329167	-	33-071-10428	-	IRN MOGHAN	1072 -
531	WRPIS	PI 329168	-	33-071-10436	-	IRN GHAZVIN	1072 -
532	WRPIS	PI 329169	-	33-071-10437	-	IRN GHAZVIN	1072 -
533	WRPIS	PI 329170	-	33-071-10885	-	IRN ESFAHAN	1072 -
534	WRPIS	PI 339263	-	4M 1/1-2	-	TUR AKSARAY	1072 -
535	WRPIS	PI 339264	-	4M 1/1-4	-	TUR AKSARAY	1072 -
536	WRPIS	PI 339265	-	4M 3/2-1	-	TUR PEYIK	1072 -
537	WRPIS	PI 339266	-	4M 3/2-2	-	TUR PEYIK	1072 -
538	WRPIS	PI 339267	-	4M 5/1-1	-	TUR SALISALKIN	1072 -
539	WRPIS	PI 339268	-	4M 5/1-2	-	TUR SALISALKIN	1072 -
540	WRPIS	PI 339269	-	4M 5/1-4	-	TUR SALISALKIN	1072 -
541	WRPIS	PI 339270	-	4M 6/1-5	-	TUR ZARA	1072 -
542	WRPIS	PI 339271	-	4M 6/2-4	-	TUR ZARA	1072 -
543	WRPIS	PI 339272	-	4M 6/2-6	-	TUR ZARA	1072 -
544	WRPIS	PI 339273	-	4M 6/2-9	-	TUR ZARA	1072 -
545	WRPIS	PI 339274	-	4M 6/4-3	-	TUR ZARA	1072 -
546	WRPIS	PI 339275	-	4M 7/1-5	-	TUR ALISAR	1072 -
547	WRPIS	PI 339276	-	4M 7/2-1	-	TUR ALISAR	1072 -
548	WRPIS	PI 339277	-	4M 8/3-4	-	TUR KOSKER	1072 -
549	WRPIS	PI 339278	-	4M 12/3-4	-	TUR HASANKOCA	1072 -
550	WRPIS	PI 339279	-	4M 12/4-5	-	TUR HASANKOCA	1072 -
551	WRPIS	PI 339280	-	4M 13/1-5	-	TUR BIZHISEN	1072 -
552	WRPIS	PI 339281	-	4M 14/2-1	-	TUR GUNEY	1072 -
553	WRPIS	PI 339282	-	4M 14/2-4	-	TUR GUNEY	1072 -
554	WRPIS	PI 339283	-	4M 16/1-1	-	TUR BAZOVA	1072 -
555	WRPIS	PI 339284	-	4M 16/2-4	-	TUR BAZOVA	1072 -
556	WRPIS	PI 339285	-	4M 16/2-5	-	TUR BAZOVA	1072 -
557	WRPIS	PI 339286	-	4M 17/5-5	-	TUR ALACA SARAYOREN	1072 -
558	WRPIS	PI 339287	-	4M 20/3-1	-	TUR OYHA AGAC	1072 -
559	WRPIS	PI 339288	-	4M 20/4-3	-	TUR OYHA AGAC	1072 -
560	WRPIS	PI 339289	-	4M 21/1-5	-	TUR TITKN	1072 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
561	WRPIS	PI 339290	-	4M 21/2-3	-	TUR TITKN	1072 -
562	WRPIS	PI 339291	-	4M 24/1-3	-	TUR YARLI GOBAN BEHLI	1072 -
563	WRPIS	PI 339292	-	4M 25/7-5	-	TUR SIYAH BABA HAZIR	1072 *
564	WRPIS	PI 339293	-	4M 26/4-1	-	TUR AKSAR	1072 *
565	WRPIS	PI 339294	-	4M 26/4-5	-	TUR AKSAR	1072 *
566	WRPIS	PI 339295	-	4M 27/1-1	-	TUR YASSI DANCA	1072 -
567	WRPIS	PI 339296	-	4M 36/3-3	-	TUR -	1072 *
568	WRPIS	PI 339297	-	4M 38/1-3	-	TUR -	1072 *
569	WRPIS	PI 339298	-	4M 39/2-5	-	TUR -	1072 *
570	WRPIS	PI 339299	-	4M 45/5-1	-	TUR BEYAZ MEZITLER	1072 -
571	WRPIS	PI 339300	-	4M 49/1-4	-	TUR KILISEKÖY	1072 *
572	WRPIS	PI 339301	-	4M 49/3-2	-	TUR KILISEKÖY	1072 *
573	WRPIS	PI 339302	-	4M 51/1-1	-	TUR GÜRECI	1072 *
574	WRPIS	PI 339303	-	4M 51/1-3	-	TUR GÜRECI	1072 *
575	WRPIS	PI 339304	-	4M 53/1-4	-	TUR SARKÖY	1072 -
576	WRPIS	PI 339305	-	4M 53/1-5	-	TUR SARKÖY	1072 -
577	WRPIS	PI 339306	-	4M 57/1-1	-	TUR SINOP	1072 -
578	WRPIS	PI 339307	-	4M 57/1-2	-	TUR SINOP	1072 -
579	WRPIS	PI 339308	-	4M 57/1-4	-	TUR SINOP	1072 -
580	WRPIS	PI 339309	-	4M 57/2-5	-	TUR SINOP	1072 -
581	WRPIS	PI 339310	-	4M 60/1-2	-	TUR TEFENNI	1072 -
582	WRPIS	PI 339311	-	4M 60/1-4	-	TUR TEFENNI	1072 -
583	WRPIS	PI 339312	-	4M 67/4	-	TUR SIGELGAZI	1072 -
584	WRPIS	PI 339313	-	4M 73/1	-	TUR ISPAS	1072 -
585	WRPIS	PI 339314	-	4M 73/2	-	TUR ISPAS	1072 -
586	WRPIS	PI 339315	-	4M 73/3	-	TUR ISPAS	1072 -
587	WRPIS	PI 339316	-	4M 76/3	-	TUR KARAPAZAR	1072 -
588	WRPIS	PI 339317	-	4M 78/1	-	TUR KESENLER	1072 -
589	WRPIS	PI 339318	-	4M 80/2	-	TUR KESENLER	1072 -
590	WRPIS	PI 339319	-	4M 97/4	-	TUR YÖNK KIRKO	1072 -
591	WRPIS	PI 339320	-	4M 99/5	-	TUR YÖNK KIRKO	1072 -
592	WRPIS	PI 339321	-	4M 100/3	-	TUR AKKAYA	1072 -
593	WRPIS	PI 339322	-	4M 103/3	-	TUR AKKAYA	1072 -
594	WRPIS	PI 343022	-	K 244 STEPPE 244	-	SUN UKRAINE	1072 -
595	WRPIS	PI 343023	-	K 1701 NATIONAL 03	-	SUN UKRAINE	1072 -

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedisree)	CDat	Cou	Province or Town	RDat	Ind
596	WRPIS	PI 343024	-	-	K 1733 PETROV'S 4/105	-	SUN	PENZA	1072	-
597	WRPIS	PI 343025	-	-	K 1778 NOVORENSK 3565	-	SUN	ULYANOVSK	1072	-
598	WRPIS	PI 343026	-	-	K 1834 TADZIR'S 95	-	SUN	TADZIKISTAN	1072	-
599	WRPIS	PI 343027	-	-	K 1849 ASTARAR'S LOCAL	-	SUN	ARMENIA	1072	-
600	WRPIS	PI 343028	-	-	K 2047 PETROV'S JUBILEE	-	SUN	PENZA	1072	-
601	WRPIS	PI 343029	-	-	K 2123 NEW MOON	-	SUN	UKRAINE	1072	-
602	WRPIS	PI 344077	-	-	22669	-	TUR	ISKENDERUN	1072	-
603	WRPIS	PI 345552	-	-	K 1289 DAGESTANSKAYA	-	SUN	DOGESTAN	1072	-
604	WRPIS	PI 345553	-	-	K 6 IRANSKAYA 6	-	IRN	-	1072	-
605	WRPIS	PI 345624	-	-	K 2124	-	SUN	LENINGRAD	1072	-
606	WRPIS	PI 345625	-	-	K 2149 KRASNOGRADSKAYA	-	SUN	UKRAINE	1072	-
607	WRPIS	PI 345626	-	-	K 1695 LUNA 09	-	SUN	UKRAINE	1072	-
608	WRPIS	PI 345627	-	-	K 1701 NARIADNAYA 03	-	SUN	UKRAINE	1072	-
609	WRPIS	PI 345628	-	-	K 2123 NOVAYA LUNA	-	SUN	DNIEPROPELUSLE	1072	-
610	WRPIS	PI 345629	-	-	K 1778 NOVORENSKAYA 3565	-	SUN	ULYANOVSK	1072	-
611	WRPIS	PI 345630	-	-	K 1779 NOVORENSKAYA 3567	-	SUN	ULYANOVSK	1072	-
612	WRPIS	PI 345631	-	-	K 1871 PENZENSKAYA 14	-	SUN	PENZA	1072	-
613	WRPIS	PI 345632	-	-	K 2150 PETROVSKAYA 50	-	SUN	PENZA	1072	-
614	WRPIS	PI 345633	-	-	K 2047 PETROVSKAYA JUBILENAYA	-	SUN	PENZA	1072	-
615	WRPIS	PI 345634	-	-	K 1872 PETROVSKAYA ZELENIZERNAYA	-	SUN	PENZA	1072	-
616	WRPIS	PI 345635	-	-	K 1850 RISOVAYA	-	SUN	ARMENIA	1072	-
617	WRPIS	PI 345636	-	-	K 244 STEPANYA 244	-	SUN	KIEV	1072	-
618	WRPIS	PI 345637	-	-	K 1834 TADZIKISKAYA 95	-	SUN	TADZIKISTAN	1072	-
619	WRPIS	PI 345638	-	-	K 1864 TALINSKAYA 6	-	SUN	ARMENIA	1072	-
620	WRPIS	PI 345639	-	-	K 1900 VIKI ODNOCETKOVA 7	-	SUN	DNIEPROPELUSLE	1072	-
621	WRPIS	PI 345640	-	-	K 2126 ZELENAYA AHUNSKAYA	-	SUN	PENZA	1072	-
622	WRPIS	PI 357224	-	-	-	-	YUG	-	1072	-
623	WRPIS	PI 357225	-	-	-	-	YUG	-	1072	-
624	WRPIS	PI 357226	-	-	-	-	YUG	-	1072	-
625	WRPIS	PI 357227	-	-	-	-	YUG	-	1072	-
626	WRPIS	PI 358602	-	-	-	-	ETH	-	1072	-
627	WRPIS	PI 370481	-	-	-	-	YUG	-	1072	-
628	WRPIS	PI 370629	-	-	-	-	TUR	-	1072	-
629	WRPIS	PI 370630	-	-	-	-	TUR	-	1072	-
630	WRPIS	PI 370631	-	-	-	-	TUR	-	1072	-

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedistree)	CDat Cou	Province or Town	RDat Ind
631	WRPIS	PI 370632	-	-	-	TUR -	1072 -
632	WRPIS	PI 370633	-	-	-	TUR -	1072 -
633	WRPIS	PI 370634	-	-	-	TUR -	1072 -
634	WRPIS	PI 370635	-	-	-	TUR -	1072 -
635	WRPIS	PI 370636	-	-	-	TUR -	1072 -
636	-	-	ALAD	M.SOLH	-	LBN -	1072 -
637	-	-	ALAD	M.SOLH	-	LBN -	1072 -
638	-	-	ALAD	SHITHER	-	LBN TALYA	1072 -
639	-	-	ALAD	M.SOLH	-	LBN ZAHLEH	1072 -
640	ARARI	26217-68	ARARI	V.TAYSI	0068	TUR MERSIN	1072 -
641	ARARI	26260-68	ARARI	V.TAYSI	0068	TUR ISKENDERUN	1072 -
642	ARARI	26264-68	ARARI	V.TAYSI	0068	TUR ANTAKYA	1072 -
643	ARARI	26279-68	ARARI	V.TAYSI	0068	TUR ANTAKYA	1072 -
644	ARARI	26287-68	ARARI	V.TAYSI	0068	TUR GAZIANTEP	1072 -
645	ARARI	26316-68	ARARI	V.TAYSI	0068	TUR HUGLA	1072 -
646	ARARI	26488-68	ARARI	V.TAYSI	0068	TUR MANISA	1072 -
647	ARARI	26512-68	ARARI	V.TAYSI	0068	TUR MANISA	1072 -
648	ARARI	26726-68	ARARI	V.TAYSI	0068	TUR BURSA	1072 -
649	ARARI	26749-68	ARARI	V.TAYSI	0068	TUR BILECIK	1072 -
650	ARARI	26779-68	ARARI	V.TAYSI	0068	TUR ADAPAZARI	1072 -
651	ARARI	28024-68	ARARI	V.TAYSI	0068	TUR KONYA	1072 -
652	ARARI	31509-70	ARARI	V.TAYSI	0070	TUR KASTAMONU	1072 -
653	ARARI	31514-70	ARARI	V.TAYSI	0070	TUR AMASYA	1072 -
654	ARARI	31618-70	ARARI	V.TAYSI	0070	TUR DIYARBAKIR	1072 -
655	ARARI	31622-70	ARARI	V.TAYSI	0070	TUR MARDIN	1072 -
656	ARARI	31637-71	ARARI	V.TAYSI	0071	TUR URFA	1072 -
657	ARARI	31646-70	ARARI	V.TAYSI	0070	TUR URFA	1072 -
658	ARARI	31670-70	ARARI	V.TAYSI	0070	TUR MARDIN	1072 -
659	ARARI	31672-70	ARARI	V.TAYSI	0070	TUR MARDIN	1072 -
660	ARARI	31686-70	ARARI	V.TAYSI	0070	TUR MARDIN	1072 -
661	ARARI	31694-70	ARARI	V.TAYSI	0070	TUR URFA	1072 -
662	ARARI	31703-70	ARARI	V.TAYSI	0070	TUR URFA	1072 -
663	ARARI	31711-70	ARARI	V.TAYSI	0070	TUR MARDIN	1072 -
664	ARARI	31718-70	ARARI	V.TAYSI	0070	TUR SIIRT	1072 -
665	ARARI	31722-70	ARARI	V.TAYSI	0070	TUR URFA	1072 -

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedisree)	Cdat	Cou	Province or Town	Rdat	Ind
666	ARARI	31723-70	ARARI	V. TAYSI	31723-70	0070	TUR	URFA	1072	-
667	ARARI	31743-70	ARARI	V. TAYSI	31743-70	0070	TUR	SIIRT	1072	-
668	ARARI	31805-70	ARARI	V. TAYSI	31805-70	0070	TUR	ADIYAMAN	1072	-
669	ARARI	31809-70	ARARI	V. TAYSI	31809-70	0070	TUR	ADIYAMAN	1072	-
670	ARARI	31830-70	ARARI	V. TAYSI	31830-70	0070	TUR	URFA	1072	-
671	ARARI	31862-70	ARARI	V. TAYSI	31862-70	0070	TUR	DIYARBAKIR	1072	-
672	ARARI	31931-70	ARARI	V. TAYSI	31931-70	0070	TUR	MALATYA	1072	-
673	ARARI	31946-70	ARARI	V. TAYSI	31946-70	0070	TUR	MARAS	1072	-
674	ARARI	31965-70	ARARI	V. TAYSI	31965-70	0070	TUR	ELAZIG	1072	-
675	ARARI	31974-70	ARARI	V. TAYSI	31974-70	0070	TUR	ELAZIG	1072	-
676	ARARI	31980-70	ARARI	V. TAYSI	31980-70	0070	TUR	DIYARBAKIR	1072	-
677	ARARI	31998-70	ARARI	V. TAYSI	31998-70	0070	TUR	TUNCELI	1072	-
678	ARARI	32052-70	ARARI	V. TAYSI	32052-70	0070	TUR	KIRSEHIR	1072	-
679	ARARI	32132-70	ARARI	V. TAYSI	32132-70	0070	TUR	KASTAHONU	1072	-
680	ARARI	32142-70	ARARI	V. TAYSI	32142-70	0070	TUR	KASTAHONU	1072	-
681	ARARI	32187-70	ARARI	V. TAYSI	32187-70	0070	TUR	HARDIN	1072	-
682	ARARI	32214-70	ARARI	V. TAYSI	32214-70	0070	TUR	MARDIN	1072	-
683	ARARI	32226-70	ARARI	V. TAYSI	32226-70	0070	TUR	SIIRT	1072	-
684	ARARI	32238-70	ARARI	V. TAYSI	32238-70	0070	TUR	VAN	1072	-
685	ARARI	32673-71	ARARI	V. TAYSI	32673-71	0070	TUR	ERZURUM	1072	-
686	ARARI	32716-71	ARARI	V. TAYSI	32716-71	0070	TUR	VAN	1072	-
687	ARARI	32721-71	ARARI	V. TAYSI	32721-71	0070	TUR	MUS	1072	-
688	ARARI	32724-71	ARARI	V. TAYSI	32724-71	0070	TUR	MUS	1072	-
689	ARARI	32725-71	ARARI	V. TAYSI	32725-71	0070	TUR	AGRI	1072	-
690	ARARI	32793-71	ARARI	V. TAYSI	32793-71	0070	TUR	ERZURUM	1072	-
691	ARARI	32796-71	ARARI	V. TAYSI	32796-71	0070	TUR	ERZURUM	1072	-
692	ARARI	32827-71	ARARI	V. TAYSI	32827-71	0070	TUR	ERZURUM	1072	-
693	ARARI	32838-71	ARARI	V. TAYSI	32838-71	0070	TUR	ERZURUM	1072	-
694	ARARI	32850-71	ARARI	V. TAYSI	32850-71	0070	TUR	ERZURUM	1072	-
695	ARARI	32853-71	ARARI	V. TAYSI	32853-71	0070	TUR	KARS	1072	-
696	ARARI	32950-71	ARARI	V. TAYSI	32950-71	0070	TUR	GUMUSHANE	1072	-
697	ARARI	32209-71	ARARI	V. TAYSI	32209-71	0070	TUR	KAYSERI	1072	-
698	NIAYT	11-3-79	-	-	IREGI CIRNOS	-	HUN	-	1072	-
699	NIAYT	11-3-51	-	-	GESTREIFTE	-	HUN	-	1072	-
700	NIAYT	11-3-65	-	-	KERESKEDELMI	-	TUR	KAYSERI	1072	-

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
701	NIAUT	11-3-47	-	SCHREIBERS	-	DDR	1072 -
702	NIAUT	11-3-30	-	EGYPTIAN RED LENTILS	-	EGY	1072 -
703	NIAUT	11-3-113	-	-	-	BGR	1072 -
704	NIAUT	11-3-46	-	-	-	GRC LARISSA	1072 -
705	NIAUT	11-3-37	-	LENGYELORSZOGI/VAR GRISEAL	-	POL	1072 -
706	NIAUT	11-3-50	-	JAPANSKO SOCIVO	-	JPN	1072 -
707	NIAUT	11-3-20	-	-	-	CYP	1072 -
708	NIAUT	11-3-56	-	-	-	CSK	1072 -
709	NIAUT	11-3-43	-	-	-	DDR	1072 -
710	NIAUT	11-3-141	-	-	-	AFG	1072 -
711	NIAUT	11-3-52	-	DU PUYTS	-	FRA	1072 -
712	NIAUT	11-3-101	-	-	-	MAR KENITRA	1072 -
713	NIAUT	11-3-18	-	APROSZEMU SARGA	-	HUN	1072 -
714	NIAUT	11-3-80	-	DNYEPETROUSZKAJA 3	-	SUN	1072 -
715	NIAUT	11-3-12	-	-	-	HUN	1072 -
716	NIAUT	11-3-36	-	LENGYELORSZABI	-	POL	1072 -
717	NIAUT	11-3-2	-	SLOVENSKA MODRA	-	CSK	1072 -
718	NIAUT	11-3-26	-	SYRIAN WHITE	-	SYR	1072 -
719	NIAUT	11-3-16	-	-	-	HUN	1072 -
720	NIAUT	11-3-3	-	-	-	GRC LARISSA	1072 -
721	NIAUT	11-3-21	-	-	-	CSK	1072 -
722	NIAUT	11-3-1	-	SLOVENSKA KRAJOVA	-	CSK	1072 -
723	NIAUT	11-3-64	-	SZOVJET ZALDLENCSE	-	HUN	1072 -
724	NIAUT	11-3-17	-	-	-	DDR	1072 -
725	NIAUT	11-3-184	-	NOGRADI	-	HUN NOGRADI	1072 -
726	NIAUT	11-3-185	-	-	-	HUN	1072 -
727	RPIP	33-071-10946	RPIP	33-071-10946	-	IRN ARASKARN	1072 -
728	RPIP	33-071-10556	RPIP	33-071-10556	-	IRN ESFAHAN	1072 -
729	RPIP	33-071-10921	RPIP	33-071-10921	-	IRN JIROFT	1072 -
730	RPIP	33-071-10910	RPIP	33-071-10910	-	IRN JIROFT	1072 -
731	RPIP	33-071-10647	RPIP	33-071-10647	-	IRN ARASKARN	1072 -
732	RPIP	33-071-10882	RPIP	33-071-10882	-	IRN ESFAHAN	1072 -
733	RPIP	33-071-10901	RPIP	33-071-10901	-	IRN ESFAHAN	1072 -
734	RPIP	33-071-10496	RPIP	33-071-10496	-	IRN	1072 -
735	RPIP	33-071-10898	RPIP	33-071-10898	-	IRN ESFAHAN	1072 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
736	RPIP	33-071-10892	RPIP	33-071-10892	-	IRN ESFAHAN	1072 -
737	RPIP	33-071-10952	RPIP	33-071-10952	-	IRN ARASKARN	1072 -
738	RPIP	33-071-10166	RPIP	33-071-10166	-	IRN GORGAN	1072 -
739	RPIP	33-071-10879	RPIP	33-071-10879	-	IRN ESFAHAN	1072 -
740	RPIP	33-071-10504	RPIP	33-071-10504	-	IRN -	1072 -
741	RPIP	33-071-10500	RPIP	33-071-10500	-	IRN -	1072 -
742	RPIP	33-071-10483	RPIP	33-071-10483	-	IRN SHOHTAR	1072 -
743	RPIP	33-071-10478	RPIP	33-071-10478	-	IRN SHOHTAR	1072 -
744	RPIP	33-071-10905	RPIP	33-071-10905	-	IRN ESFAHAN	1072 -
745	RPIP	33-071-10899	RPIP	33-071-10899	-	IRN ESFAHAN	1072 -
746	RPIP	33-071-10520	RPIP	33-071-10520	-	IRN -	1072 -
747	RPIP	33-071-10146	RPIP	33-071-10146	-	IRN KHALEDABAD	1072 -
748	RPIP	33-071-10425	RPIP	33-071-10425	-	IRN AHAR	1072 -
749	RPIP	33-071-10450	RPIP	33-071-10450	-	IRN KARAJ	1072 -
750	RPIP	33-071-10408	RPIP	33-071-10408	-	IRN AHAR	1072 -
751	RPIP	33-071-10428	RPIP	33-071-10428	-	IRN MOGHAN	1072 -
752	RPIP	33-085-11147	-	-	-	LBN -	1072 -
753	RPIP	33-071-11175	RPIP	33-071-11175	-	IRN ARASKARN	1072 -
754	RPIP	33-071-10436	RPIP	33-071-10436	-	IRN GHAZVIN	1072 -
755	RPIP	33-071-10437	RPIP	33-071-10437	-	IRN GHAZVIN	1072 -
756	RPIP	33-071-10411	RPIP	33-071-10411	-	IRN GORGAN	1072 -
757	RPIP	33-039-11177	-	-	-	CYP -	1072 -
758	RPIP	33-071-10588	RPIP	33-071-10588	-	IRN KARAJ	1072 -
759	RPIP	33-071-10582	RPIP	33-071-10582	-	IRN KARAJ	1072 -
760	RPIP	33-071-10430	RPIP	33-071-10430	-	IRN TABRIZ	1072 -
761	RPIP	33-153-10048	-	-	-	TUR -	1072 -
762	RPIP	33-052-10254	-	-	-	CHL -	1072 -
763	RPIP	33-032-10253	-	-	-	CHL -	1072 -
764	RPIP	33-071-10418	RPIP	33-071-10418	-	IRN ARDABIL	1072 -
765	RPIP	33-032-10199	-	-	-	-	1072 -
766	RPIP	33-032-10202	-	-	-	CHL -	1072 -
767	RPIP	33-032-10210	-	-	-	CHL -	1072 -
768	RPIP	33-071-10903	RPIP	33-071-10903	-	IRN ESFAHAN	1072 -
769	RPIP	33-071-10417	RPIP	33-071-10417	-	IRN ARDABIL	1072 -
770	RPIP	33-071-10445	RPIP	33-071-10445	-	IRN ESFAHAN	1072 -

ILL	Don Ord	Don No	Col Org	Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
771	RPIP	33-071-11014	RPIP	-	33-071-11014	-	IRN FARIS	1072 -
772	RPIP	33-071-10885	RPIP	-	33-071-10885	-	IRN ESFAHAN	1072 -
773	RPIP	33-071-10439	RPIP	-	33-071-10439	-	IRN JIROFT	1072 -
774	RPIP	33-071-10444	RPIP	-	33-071-10444	-	IRN ESFAHAN	1072 -
775	RPIP	33-071-10440	RPIP	-	33-071-10440	-	IRN ESFAHAN	1072 -
776	RPIP	33-071-11136	RPIP	-	33-071-11136	-	IRN ESFAHAN	1072 -
777	RPIP	33-071-11139	RPIP	-	33-071-11139	-	IRN -	1072 -
778	DUMA	-	DUMA	-	MORANI	-	SYR -	1072 -
779	DUMA	-	DUMA	-	-	-	SYR EL GHAB	1072 -
780	DUMA	-	DUMA	-	-	-	SYR -	1072 -
781	DUMA	-	-	-	-	-	FRA -	1072 -
782	DUMA	-	DUMA	-	-	-	SYR -	1072 -
783	DUMA	-	DUMA	-	KURDI	-	SYR -	1072 -
784	ARCG	GIZA 9	ARCG	A.NASSIB	GIZA 9	-	EGY -	1072 -
785	ARCG	PAKISTANI	-	-	PAKISTANI	-	PAK -	1072 -
786	ARCG	F11	ARCG	A.NASSIB	F11	-	EGY -	1072 -
787	ARCG	F13	ARCG	A.NASSIB	F13	-	EGY -	1072 -
788	ARCG	F15	ARCG	A.NASSIB	F15	-	EGY -	1072 -
789	ARCG	F22	ARCG	A.NASSIB	F22	-	EGY -	1072 -
790	ARCG	F29	ARCG	A.NASSIB	F29	-	EGY -	1072 -
791	ARCG	F35	ARCG	A.NASSIB	F35	-	EGY -	1072 -
792	ARCG	F36	ARCG	A.NASSIB	F36	-	EGY -	1072 -
793	ARCG	F38	ARCG	A.NASSIB	F38	-	EGY -	1072 -
794	ARCG	F42	ARCG	A.NASSIB	F42	-	EGY -	1072 -
795	ARCG	F44	ARCG	A.NASSIB	F44	-	EGY -	1072 -
796	ARCG	F47	ARCG	A.NASSIB	F47	-	EGY -	1072 -
797	ARCG	F69	ARCG	A.NASSIB	F69	-	EGY -	1072 -
798	ARCG	F75	ARCG	A.NASSIB	F75	-	EGY -	1072 -
799	ARCG	F79	ARCG	A.NASSIB	F79	-	EGY -	1072 -
800	ARCG	F82	ARCG	A.NASSIB	F82	-	EGY -	1072 -
801	ARCG	F84	ARCG	A.NASSIB	F84	-	EGY -	1072 -
802	ARCG	F85	ARCG	A.NASSIB	F85	-	EGY -	1072 -
803	ARCG	F91	ARCG	A.NASSIB	F91	-	EGY -	1072 -
804	ARCG	F94	ARCG	A.NASSIB	F94	-	EGY -	1072 -
805	ARCG	F95	ARCG	A.NASSIB	F95	-	EGY -	1072 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
806	ARCG	F111	ARCG A.NASSIB	F111	-	EGY -	1072 -
807	ARCG	F114	ARCG A.NASSIB	F114	-	EGY -	1072 -
808	ARCG	F116	ARCG A.NASSIB	F116	-	EGY -	1072 -
809	ARCG	F119	ARCG A.NASSIB	F119	-	EGY -	1072 -
810	ARCG	F123	ARCG A.NASSIB	F123	-	EGY -	1072 -
811	ARCG	F125	ARCG A.NASSIB	F125	-	EGY -	1072 -
812	ARCG	F126	ARCG A.NASSIB	F126	-	EGY -	1072 -
813	ARCG	F130	ARCG A.NASSIB	F130	-	EGY -	1072 -
814	ARCG	F131	ARCG A.NASSIB	F131	-	EGY -	1072 -
815	ARCG	F133	ARCG A.NASSIB	F133	-	EGY -	1072 -
816	ARCG	F139	ARCG A.NASSIB	F139	-	EGY -	1072 -
817	ARCG	F141	ARCG A.NASSIB	F141	-	EGY -	1072 -
818	ARCG	F143	ARCG A.NASSIB	F143	-	EGY -	1072 -
819	ARCG	F144	ARCG A.NASSIB	F144	-	EGY -	1072 -
820	ARCG	F165	ARCG A.NASSIB	F165	-	EGY -	1072 -
821	ARCG	F166	ARCG A.NASSIB	F166	-	EGY -	1072 -
822	ARCG	F170	ARCG A.NASSIB	F170	-	EGY -	1072 -
823	ARCG	F173	ARCG A.NASSIB	F173	-	EGY -	1072 -
824	ARCG	F174	ARCG A.NASSIB	F174	-	EGY -	1072 -
825	ARCG	F180	ARCG A.NASSIB	F180	-	EGY -	1072 -
826	ARCG	F184	ARCG A.NASSIB	F184	-	EGY -	1072 -
827	ARCG	F187	ARCG A.NASSIB	F187	-	EGY -	1072 -
828	ARCG	F188	ARCG A.NASSIB	F188	-	EGY -	1072 -
829	ARCG	F190	ARCG A.NASSIB	F190	-	EGY -	1072 -
830	ARCG	F191	ARCG A.NASSIB	F191	-	EGY -	1072 -
831	ARCG	F195	ARCG A.NASSIB	F195	-	EGY -	1072 -
832	ARCG	F202	ARCG A.NASSIB	F202	-	EGY -	1072 -
833	ARCG	F203	ARCG A.NASSIB	F203	-	EGY -	1072 -
834	ARCG	F241	ARCG A.NASSIB	F241	-	EGY -	1072 -
835	ARCG	F260	ARCG A.NASSIB	F260	-	EGY -	1072 -
836	-	-	ALAD M.SOLH	-	-	LBN BEIRUT	1072 -
837	-	-	ALAD M.SOLH	-	-	LBN BEIRUT	1072 -
838	-	-	ALAD M.SOLH	RANKOUZI	-	LBN BEIRUT	1072 -
839	-	-	ALAD M.SOLH	-	-	LBN TRIPOLI	1072 -
840	-	-	ALAD M.SOLH	-	-	LBN TRIPOLI	1072 -

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
841	-	-	ALAD	M. SOLH	-	-	LRN TRIPOLI	1072 -
842	-	-	ALAD	M. SOLH	-	-	LRN AL MENIEH	1072 *
843	-	-	ALAD	M. SOLH	-	-	LRN TRIPOLI	1072 -
844	-	-	ALAD	M. SOLH	-	-	LRN AL SOMAKIEL	1072 *
845	-	-	ALAD	M. SOLH	-	-	LRN SIDON	1072 -
846	-	-	ALAD	M. SOLH	BAALBECKY	-	LRN AL NABATIEH	1072 -
847	-	-	ALAD	M. SOLH	-	-	LRN AL NABATIEH	1072 -
848	-	-	ALAD	M. SOLH	-	-	LRN ARKOUL	1072 -
849	-	-	ALAD	M. SOLH	-	-	LRN BEHARA	1072 -
850	-	-	ALAD	M. SOLH	-	-	LRN BECKARA	1072 -
851	-	-	ALAD	M. SOLH	-	-	LRN TYRE	1072 -
852	-	-	ALAD	SHAFED HAIDER	-	-	LRN YAHMOR	1072 *
853	ARCG	SN 1	-	-	-	-	CHL -	1072 -
854	ARCG	60	CCA	A. NASSIB	60	-	DZA TIARET	1072 -
855	ARCG	69	CCS	A. NASSIB	69	-	DZA SIDI BEL ABBAS	1072 -
856	ARCG	70	CCS	A. NASSIB	70	-	DZA SIDI BEL ABBAS	1072 -
857	ARCG	73	CAG	A. NASSIB	73	-	DZA COSTANTINE	1072 -
858	ARCG	77	CAGH	A. NASSIB	77	-	DZA COSTANTINE	1072 -
859	ARCG	78	CAGH	A. NASSIB	78	-	DZA COSTANTINE	1072 -
860	RP	33-071-10946	RP	-	33-071-10946	-	IRN ARASKARN	1072 *
861	RP	33-071-10556	RP	-	33-071-10556	-	IRN ESFAHAN	1072 -
862	RP	33-071-10921	RP	-	33-071-10921	-	IRN JIROFT	1072 -
863	RP	33-071-10910	RP	-	33-071-10910	-	IRN JIROFT	1072 -
864	RP	33-071-10647	RP	-	33-071-10647	-	IRN ARASKARN	1072 -
865	RP	33-071-10882	RP	-	33-071-10882	-	IRN ESFAHAN	1072 -
866	RP	33-071-10901	RP	-	33-071-10901	-	IRN ESFAHAN	1072 -
867	RP	33-071-10496	RP	-	33-071-10496	-	IRN -	1072 -
868	RP	33-071-10898	RP	-	33-071-10898	-	IRN ESFAHAN	1072 -
869	RP	33-071-10892	RP	-	33-071-10892	-	IRN ESFAHAN	1072 -
870	RP	33-071-10952	RP	-	33-071-10952	-	IRN ARASKARN	1072 -
871	RP	33-071-10166	RP	-	33-071-10166	-	IRN GORGAN	1072 -
872	RP	33-071-10879	RP	-	33-071-10879	-	IRN ESFAHAN	1072 -
873	RP	33-071-10504	RP	-	33-071-10504	-	IRN -	1072 -
874	RP	33-071-10500	RP	-	33-071-10500	-	IRN -	1072 -
875	RP	33-071-10483	RP	-	33-071-10483	-	IRN SHOHTAR	1072 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
876	RPIP	33-071-10478	RPIP	33-071-10478	-	IRN SHOLTAR	1072 -
877	RPIP	33-071-10905	RPIP	33-071-10905	-	IRN ESFAHAN	1072 -
878	RPIP	33-071-10899	RPIP	33-071-10899	-	IRN ESFAHAN	1072 -
879	RPIP	33-071-10520	RPIP	33-071-10520	-	IRN -	1072 -
880	RPIP	33-071-10146	RPIP	33-071-10146	-	IRN KHALEDABAD	1072 -
881	RPIP	33-071-10425	RPIP	33-071-10425	-	IRN AHAR	1072 -
882	RPIP	33-071-10450	RPIP	33-071-10450	-	IRN KARAJ	1072 -
883	RPIP	33-071-10408	RPIP	33-071-10408	-	IRN AHAR	1072 -
884	RPIP	33-071-10428	RPIP	33-071-10428	-	IRN MOGHAN	1072 -
885	RPIP	33-071-11147	RPIP	33-071-11147	-	LBN -	1072 -
886	RPIP	33-071-11175	RPIP	33-071-11175	-	IRN ARASKARN	1072 -
887	RPIP	33-071-10436	RPIP	33-071-10436	-	IRN GHAZVIN	1072 -
888	RPIP	33-071-10437	RPIP	33-071-10437	-	IRN GHAZVIN	1072 -
889	RPIP	33-071-10411	RPIP	33-071-10411	-	IRN GORGAN	1072 -
890	RPIP	33-039-11177	-	-	-	CYP -	1072 -
891	RPIP	33-071-10588	RPIP	33-071-10588	-	IRN KARAJ	1072 -
892	RPIP	33-071-10582	RPIP	33-071-10582	-	IRN KARAJ	1072 -
893	RPIP	33-071-10430	RPIP	33-071-10430	-	IRN TABRIZ	1072 -
894	RPIP	33-153-10048	-	-	-	TUR -	1072 -
895	RPIP	33-052-10254	-	-	-	CHL -	1072 -
896	RPIP	33-032-10253	-	-	-	CHL -	1072 -
897	RPIP	33-071-10418	RPIP	33-071-10418	-	IRN ARDABIL	1072 -
898	RPIP	33-032-10199	-	-	-	-	1072 -
899	RPIP	33-032-10202	-	-	-	CHL -	1072 -
900	RPIP	33-032-10210	-	-	-	CHL -	1072 -
901	RPIP	33-071-10903	RPIP	33-071-10903	-	IRN ESFAHAN	1072 -
902	RPIP	33-071-10417	RPIP	33-071-10417	-	IRN ARDABIL	1072 -
903	RPIP	33-071-10445	RPIP	33-071-10445	-	IRN ESFAHAN	1072 -
904	RPIP	33-071-11014	RPIP	33-071-11014	-	IRN FARIS	1072 -
905	RPIP	33-071-10885	RPIP	33-071-10885	-	IRN ESFAHAN	1072 -
906	RPIP	33-071-10439	RPIP	33-071-10439	-	IRN JIROFT	1072 -
907	RPIP	33-071-10444	RPIP	33-071-10444	-	IRN ESFAHAN	1072 -
908	RPIP	33-071-10440	RPIP	33-071-10440	-	IRN ESFAHAN	1072 -
909	RPIP	33-071-11136	RPIP	33-071-11136	-	IRN ESFAHAN	1072 -
910	RPIP	33-071-11139	RPIP	33-071-11139	-	IRN -	1072 -

ILL	Don Drs	Don No	Col Drs	Collector	Coll No (Pedisfree)	CDat	Cou	Province or Town	RDat	Ind
911	INIACOR	SN 1	-	INIACOR J.I.CUBERO	-	0072	ESP	CORDOBA	0672	-
912	INIACOR	SN 2	-	INIACOR J.I.CUBERO	-	0072	ESP	CORDOBA	0672	-
913	INIACOR	SN 3	-	INIACOR J.I.CUBERO	-	0072	ESP	CORDOBA	0672	-
914	INIACOR	SN 4	-	INIACOR J.I.CUBERO	-	0072	ESP	CORDOBA	0672	-
915	INIACOR	SN 5	-	INIACOR J.I.CUBERO	-	0072	ESP	CORDOBA	0672	-
916	IARI	-	-	-	JABALPUR LOCAL	-	IND	JABALPUR	0672	-
917	IARI	PUSA 1-1	-	IARI	-	-	IND	-	0672	-
918	CCGC	-	-	CCGC	-	-	TUN	DJEBEL DJELOUD	0672	-
919	CCGC	-	-	CCGC	-	-	TUN	MATEUR	0672	-
920	CCGC	-	-	CCGC	-	-	TUN	BOU ARADA	0672	-
921	CCGC	-	-	CCGC	-	-	TUN	BEJA	0672	-
922	RP1P	33-153-10001	-	-	-	-	TUR	-	0373	-
923	RP1P	33-153-10006	-	-	-	-	TUR	-	0373	-
924	RP1P	33-153-10033	-	-	-	-	TUR	-	0373	-
925	RP1P	33-153-10035	-	-	-	-	TUR	-	0373	-
926	RP1P	33-153-10096	-	-	-	-	TUR	-	0373	-
927	RP1P	33-153-10050	-	-	-	-	TUR	-	0373	-
928	RP1P	33-153-10051	-	-	-	-	TUR	-	0373	-
929	RP1P	33-153-10052	-	-	-	-	TUR	-	0373	-
930	RP1P	33-153-10063	-	-	-	-	TUR	-	0373	-
931	RP1P	33-069-10066	-	-	-	-	IND	-	0373	-
932	RP1P	33-085-10076	-	-	-	-	LBN	-	0373	-
933	RP1P	33-046-10077	-	-	-	-	ETH	-	0373	-
934	RP1P	33-046-10078	-	-	-	-	ETH	-	0373	-
935	RP1P	33-071-10079	-	RP1P	33-071-10079	-	IRN	-	0373	-
936	RP1P	33-046-10080	-	-	-	-	ETH	-	0373	-
937	RP1P	33-002-10083	-	-	-	-	AFG	-	0373	-
938	RP1P	33-002-10084	-	-	-	-	AFG	-	0373	-
939	RP1P	33-002-10086	-	-	-	-	AFG	-	0373	-
940	RP1P	33-060-10092	-	-	-	-	GRC	-	0373	-
941	RP1P	33-113-10094	-	-	-	-	PAK	-	0373	-
942	RP1P	33-153-10095	-	-	-	-	TUR	-	0373	-
943	RP1P	33-113-10096	-	-	-	-	PAK	-	0373	-
944	RP1P	33-113-10097	-	-	-	-	PAK	-	0373	-
945	RP1P	33-113-10099	-	-	-	-	PAK	-	0373	-

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
946	RPIP	33-113-10100	-	-	-	PAK	-	0373 -
947	RPIP	33-071-10106	RPIP	-	33-071-10106	IRN	-	0373 -
948	RPIP	33-071-10109	RPIP	-	33-071-10109	IRN	-	0373 -
949	RPIP	33-015-10110	-	-	-	BEL	-	0373 -
950	RPIP	33-136-10111	-	-	-	SOM	-	0373 -
951	RPIP	33-160-10116	-	-	-	SUN	-	0373 -
952	RPIP	33-071-10119	RPIP	-	33-071-10119	IRN	-	0373 -
953	RPIP	33-155-10121	-	-	-	EGY	-	0373 -
954	RPIP	33-085-10123	-	-	-	LBN	-	0373 -
955	RPIP	33-039-10124	-	-	-	CYP	-	0373 -
956	RPIP	33-032-10127	-	-	-	CHL	-	0373 -
957	RPIP	33-071-10139	RPIP	-	33-071-10139	IRN	-	0373 -
958	RPIP	33-071-10140	RPIP	-	33-071-10140	IRN	-	0373 -
959	RPIP	33-071-10141	RPIP	-	33-071-10141	IRN	-	0373 -
960	RPIP	33-071-10146	RPIP	-	33-071-10146	IRN	-	0373 -
961	RPIP	33-071-10150	RPIP	-	33-071-10150	IRN	-	0373 -
962	RPIP	33-153-10054	-	-	-	TUR	-	0373 -
963	RPIP	33-071-10154	RPIP	-	33-071-10154	IRN	-	0373 -
964	RPIP	33-155-10165	-	-	-	EGY	-	0373 -
965	RPIP	33-071-10166	RPIP	-	33-071-10166	IRN	-	0373 -
966	RPIP	33-071-10167	RPIP	-	33-071-10167	IRN	-	0373 -
967	RPIP	33-071-10175	RPIP	-	33-071-10175	IRN	-	0373 -
968	RPIP	33-071-10181	RPIP	-	33-071-10181	IRN	-	0373 -
969	RPIP	33-071-10182	RPIP	-	33-071-10182	IRN	-	0373 -
970	RPIP	33-032-10194	-	-	-	CHL	-	0373 -
971	RPIP	33-032-10196	-	-	-	CHL	-	0373 -
972	RPIP	33-032-10198	-	-	-	CHL	-	0373 -
973	RPIP	33-032-10201	-	-	-	CHL	-	0373 -
974	RPIP	33-032-10205	-	-	-	CHL	-	0373 -
975	RPIP	33-032-10207	-	-	-	CHL	-	0373 -
976	RPIP	33-071-10208	RPIP	-	33-071-10208	IRN	-	0373 -
977	RPIP	33-032-10209	-	-	-	CHL	-	0373 -
978	RPIP	33-032-10210	-	-	-	CHL	-	0373 -
979	RPIP	33-032-10211	-	-	-	CHL	-	0373 -
980	RPIP	33-032-10212	-	-	-	CHL	-	0373 -

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedigree)	CDat	Cou	Province or Town	RDat	Ind
981	RPIP	33-033-10214	-	-	-	-	CHL	-	0373	-
982	RPIP	33-032-10216	-	-	-	-	CHL	-	0373	-
983	RPIP	33-032-10217	-	-	-	-	CHL	-	0373	-
984	RPIP	33-032-10218	-	-	-	-	CHL	-	0373	-
985	RPIP	33-032-10220	-	-	-	-	CHL	-	0373	-
986	RPIP	33-032-10221	-	-	-	-	CHL	-	0373	-
987	RPIP	33-032-10222	-	-	-	-	CHL	-	0373	-
988	RPIP	33-032-10230	-	-	-	-	CHL	-	0373	-
989	RPIP	33-032-10232	-	-	-	-	CHL	-	0373	-
990	RPIP	33-032-10240	-	-	-	-	CHL	-	0373	-
991	RPIP	33-032-10248	-	-	-	-	CHL	-	0373	-
992	RPIP	33-032-10251	-	-	-	-	CHL	-	0373	-
993	RPIP	33-032-10257	-	-	-	-	CHL	-	0373	-
994	RPIP	33-032-10259	-	-	-	-	CHL	-	0373	-
995	RPIP	33-032-10261	-	-	-	-	CHL	-	0373	-
996	RPIP	33-032-10265	-	-	-	-	CHL	-	0373	-
997	RPIP	33-032-10290	-	-	-	-	CHL	-	0373	-
998	RPIP	33-032-10332	-	-	-	-	CHL	-	0373	-
999	RPIP	33-032-10333	-	-	-	-	CHL	-	0373	-
1000	RPIP	33-032-10342	-	-	-	-	CHL	-	0373	-
1001	RPIP	33-032-10350	-	-	-	-	CHL	-	0373	-
1002	RPIP	33-032-10372	-	-	-	-	CHL	-	0373	-
1003	RPIP	33-032-10375	-	-	-	-	CHL	-	0373	-
1004	RPIP	33-032-10380	-	-	-	-	CHL	-	0373	-
1005	RPIP	33-032-10403	-	-	-	-	CHL	-	0373	-
1006	RPIP	33-032-10405	-	-	-	-	CHL	-	0373	-
1007	RPIP	33-071-10406-A	RPIP	-	33-071-10406-A	-	IRN	-	0373	-
1008	RPIP	33-071-10406-B	RPIP	-	33-071-10406-B	-	IRN	-	0373	-
1009	RPIP	33-071-10407	RPIP	-	33-071-10407	-	IRN	-	0373	-
1010	RPIP	33-071-10408-A	RPIP	-	33-071-10408-A	-	IRN	-	0373	-
1011	RPIP	33-071-10408-B	RPIP	-	33-071-10408-B	-	IRN	-	0373	-
1012	RPIP	33-071-10409	RPIP	-	33-071-10409	-	IRN	-	0373	-
1013	RPIP	33-071-10410	RPIP	-	33-071-10410	-	IRN	-	0373	-
1014	RPIP	33-071-10411	RPIP	-	33-071-10411	-	IRN	-	0373	-
1015	RPIP	33-071-10412-A	RPIP	-	33-071-10412-A	-	IRN	-	0373	-

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	Rdat Ind
1016	RPIP	33-071-10412-B	RPIP	33-071-10412-B	-	IRN	0373 -
1017	RPIP	33-071-10413	RPIP	33-071-10413	-	IRN	0373 -
1018	RPIP	33-071-10415	RPIP	33-071-10415	-	IRN	0373 -
1019	RPIP	33-071-10418	RPIP	33-071-10418	-	IRN	0373 -
1020	RPIP	33-071-10419	RPIP	33-071-10419	-	IRN	0373 -
1021	RPIP	33-071-10420	RPIP	33-071-10420	-	IRN	0373 -
1022	RPIP	33-071-10421	RPIP	33-071-10421	-	IRN	0373 -
1023	RPIP	33-071-10422	RPIP	33-071-10422	-	IRN	0373 -
1024	RPIP	33-071-10424	RPIP	33-071-10424	-	IRN	0373 -
1025	RPIP	33-071-10427	RPIP	33-071-10427	-	IRN	0373 -
1026	RPIP	33-071-10428	RPIP	33-071-10428	-	IRN	0373 -
1027	RPIP	33-071-10435	RPIP	33-071-10435	-	IRN	0373 -
1028	RPIP	33-071-10438	RPIP	33-071-10438	-	IRN	0373 -
1029	RPIP	33-071-10439	RPIP	33-071-10439	-	IRN	0373 -
1030	RPIP	33-071-10440	RPIP	33-071-10440	-	IRN	0373 -
1031	RPIP	33-071-10441	RPIP	33-071-10441	-	IRN	0373 -
1032	RPIP	33-071-10442	RPIP	33-071-10442	-	IRN	0373 -
1033	RPIP	33-071-10443	RPIP	33-071-10443	-	IRN	0373 -
1034	RPIP	33-071-10444	RPIP	33-071-10444	-	IRN	0373 -
1035	RPIP	33-071-10445	RPIP	33-071-10445	-	IRN	0373 -
1036	RPIP	33-071-10446	RPIP	33-071-10446	-	IRN	0373 -
1037	RPIP	33-071-10447	RPIP	33-071-10447	-	IRN	0373 -
1038	RPIP	33-071-10448	RPIP	33-071-10448	-	IRN	0373 -
1039	RPIP	33-071-10449	RPIP	33-071-10449	-	IRN	0373 -
1040	RPIP	33-071-10450	RPIP	33-071-10450	-	IRN	0373 -
1041	RPIP	33-071-10451	RPIP	33-071-10451	-	IRN	0373 -
1042	RPIP	33-071-10454	RPIP	33-071-10454	-	IRN	0373 -
1043	RPIP	33-071-10455	RPIP	33-071-10455	-	IRN	0373 -
1044	RPIP	33-071-10456	RPIP	33-071-10456	-	IRN	0373 -
1045	RPIP	33-071-10457	RPIP	33-071-10457	-	IRN	0373 -
1046	RPIP	33-071-10458	RPIP	33-071-10458	-	IRN	0373 -
1047	RPIP	33-071-10459	RPIP	33-071-10459	-	IRN	0373 -
1048	RPIP	33-071-10460	RPIP	33-071-10460	-	IRN	0373 -
1049	RPIP	33-071-10461	RPIP	33-071-10461	-	IRN	0373 -
1050	RPIP	33-071-10462	RPIP	33-071-10462	-	IRN	0373 -

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedisree)	CDat	Cou	Province or Town	RDat	Ind
1051	RPIP	33-071-10463	RPIP	-	33-071-10463	-	IRN	-	0373	-
1052	RPIP	33-071-10464	RPIP	-	33-071-10464	-	IRN	-	0373	-
1053	RPIP	33-071-10466	RPIP	-	33-071-10466	-	IRN	-	0373	-
1054	RPIP	33-071-10468	RPIP	-	33-071-10468	-	IRN	-	0373	-
1055	RPIP	33-071-10469	RPIP	-	33-071-10469	-	IRN	-	0373	-
1056	RPIP	33-071-10470	RPIP	-	33-071-10470	-	IRN	-	0373	-
1057	RPIP	33-071-10471	RPIP	-	33-071-10471	-	IRN	-	0373	-
1058	RPIP	33-071-10472-A	RPIP	-	33-071-10472-A	-	IRN	-	0373	-
1059	RPIP	33-071-10472-B	RPIP	-	33-071-10472-B	-	IRN	-	0373	-
1060	RPIP	33-071-10473-A	RPIP	-	33-071-10473-A	-	IRN	-	0373	-
1061	RPIP	33-071-10473-B	RPIP	-	33-071-10473-B	-	IRN	-	0373	-
1062	RPIP	33-071-10475	RPIP	-	33-071-10475	-	IRN	-	0373	-
1063	RPIP	33-071-10476	RPIP	-	33-071-10476	-	IRN	-	0373	-
1064	RPIP	33-071-10477	RPIP	-	33-071-10477	-	IRN	-	0373	-
1065	RPIP	33-071-10478	RPIP	-	33-071-10478	-	IRN	-	0373	-
1066	RPIP	33-071-10479	RPIP	-	33-071-10479	-	IRN	-	0373	-
1067	RPIP	33-071-10480	RPIP	-	33-071-10480	-	IRN	-	0373	-
1068	RPIP	33-071-10481	RPIP	-	33-071-10481	-	IRN	-	0373	-
1069	RPIP	33-071-10482	RPIP	-	33-071-10482	-	IRN	-	0373	-
1070	RPIP	33-071-10483	RPIP	-	33-071-10483	-	IRN	-	0373	-
1071	RPIP	33-071-10484	RPIP	-	33-071-10484	-	IRN	-	0373	-
1072	RPIP	33-071-10486	RPIP	-	33-071-10486	-	IRN	-	0373	-
1073	RPIP	33-071-10487	RPIP	-	33-071-10487	-	IRN	-	0373	-
1074	RPIP	33-071-10488	RPIP	-	33-071-10488	-	IRN	-	0373	-
1075	RPIP	33-071-10490	RPIP	-	33-071-10490	-	IRN	-	0373	-
1076	RPIP	33-071-10491	RPIP	-	33-071-10491	-	IRN	-	0373	-
1077	RPIP	33-071-10492	RPIP	-	33-071-10492	-	IRN	-	0373	-
1078	RPIP	33-071-10493	RPIP	-	33-071-10493	-	IRN	-	0373	-
1079	RPIP	33-071-10494	RPIP	-	33-071-10494	-	IRN	-	0373	-
1080	RPIP	33-071-10495	RPIP	-	33-071-10495	-	IRN	-	0373	-
1081	RPIP	33-071-10496	RPIP	-	33-071-10496	-	IRN	-	0373	-
1082	RPIP	33-071-10497	RPIP	-	33-071-10497	-	IRN	-	0373	-
1083	RPIP	33-071-10498	RPIP	-	33-071-10498	-	IRN	-	0373	-
1084	RPIP	33-071-10499	RPIP	-	33-071-10499	-	IRN	-	0373	-
1085	RPIP	33-071-10501-A	RPIP	-	33-071-10501-A	-	IRN	-	0373	-

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedisree)	CDat	Cou	Province or Town	RDat	Ind
1086	RPIP	33-071-10501-B	RPIP	-	33-071-10501-B	-	IRN	-	0373	-
1087	RPIP	33-071-10502	RPIP	-	33-071-10502	-	IRN	-	0373	-
1088	RPIP	33-071-10503	RPIP	-	33-071-10503	-	IRN	-	0373	-
1089	RPIP	33-071-10504	RPIP	-	33-071-10504	-	IRN	-	0373	-
1090	RPIP	33-071-10505-A	RPIP	-	33-071-10505-A	-	IRN	-	0373	-
1091	RPIP	33-071-10505-B	RPIP	-	33-071-10505-B	-	IRN	-	0373	-
1092	RPIP	33-071-10506	RPIP	-	33-071-10506	-	IRN	-	0373	-
1093	RPIP	33-071-10507	RPIP	-	33-071-10507	-	IRN	-	0373	-
1094	RPIP	33-071-10508	RPIP	-	33-071-10508	-	IRN	-	0373	-
1095	RPIP	33-071-10509	RPIP	-	33-071-10509	-	IRN	-	0373	-
1096	RPIP	33-071-10511	RPIP	-	33-071-10511	-	IRN	-	0373	-
1097	RPIP	33-071-10513	RPIP	-	33-071-10513	-	IRN	-	0373	-
1098	RPIP	33-071-10514	RPIP	-	33-071-10514	-	IRN	-	0373	-
1099	RPIP	33-071-10515	RPIP	-	33-071-10515	-	IRN	-	0373	-
1100	RPIP	33-071-10516	RPIP	-	33-071-10516	-	IRN	-	0373	-
1101	RPIP	33-071-10517	RPIP	-	33-071-10517	-	IRN	-	0373	-
1102	RPIP	33-071-10518	RPIP	-	33-071-10518	-	IRN	-	0373	-
1103	RPIP	33-071-10520	RPIP	-	33-071-10520	-	IRN	-	0373	-
1104	RPIP	33-071-10521	RPIP	-	33-071-10521	-	IRN	-	0373	-
1105	RPIP	33-071-10523-A	RPIP	-	33-071-10523-A	-	IRN	-	0373	-
1106	RPIP	33-071-10523-B	RPIP	-	33-071-10523-B	-	IRN	-	0373	-
1107	RPIP	33-071-10525	RPIP	-	33-071-10525	-	IRN	-	0373	-
1108	RPIP	33-071-10526	RPIP	-	33-071-10526	-	IRN	-	0373	-
1109	RPIP	33-071-10527	RPIP	-	33-071-10527	-	IRN	-	0373	-
1110	RPIP	33-071-10529	RPIP	-	33-071-10529	-	IRN	-	0373	-
1111	RPIP	33-071-10531	RPIP	-	33-071-10531	-	IRN	-	0373	-
1112	RPIP	33-071-10533	RPIP	-	33-071-10533	-	IRN	-	0373	-
1113	RPIP	33-071-10534	RPIP	-	33-071-10534	-	IRN	-	0373	-
1114	RPIP	33-071-10535	RPIP	-	33-071-10535	-	IRN	-	0373	-
1115	RPIP	33-071-10536	RPIP	-	33-071-10536	-	IRN	-	0373	-
1116	RPIP	33-071-10537	RPIP	-	33-071-10537	-	IRN	-	0373	-
1117	RPIP	33-071-10538	RPIP	-	33-071-10538	-	IRN	-	0373	-
1118	RPIP	33-071-10539	RPIP	-	33-071-10539	-	IRN	-	0373	-
1119	RPIP	33-071-10541-A	RPIP	-	33-071-10541-A	-	IRN	-	0373	-
1120	RPIP	33-071-10541-B	RPIP	-	33-071-10541-B	-	IRN	-	0373	-

ILL	Dan Ors	Dan No	Col Ors Collector	Coll No (Pedigree)	Chat Cou	Province or Town	RDat Ind
1121	RPIP	33-071-10542	RPIP	33-071-10542	-	IRN	0373 -
1122	RPIP	33-071-10543	RPIP	33-071-10543	-	IRN	0373 -
1123	RPIP	33-071-10544	RPIP	33-071-10544	-	IRN	0373 -
1124	RPIP	33-071-10545	RPIP	33-071-10545	-	IRN	0373 -
1125	RPIP	33-071-10546	RPIP	33-071-10546	-	IRN	0373 -
1126	RPIP	33-071-10547	RPIP	33-071-10547	-	IRN	0373 -
1127	RPIP	33-071-10548	RPIP	33-071-10548	-	IRN	0373 -
1128	RPIP	33-071-10550	RPIP	33-071-10550	-	IRN	0373 -
1129	RPIP	33-071-10551	RPIP	33-071-10551	-	IRN	0373 -
1130	RPIP	33-071-10552	RPIP	33-071-10552	-	IRN	0373 -
1131	RPIP	33-071-10553	RPIP	33-071-10553	-	IRN	0373 -
1132	RPIP	33-071-10555	RPIP	33-071-10555	-	IRN	0373 -
1133	RPIP	33-071-10556	RPIP	33-071-10556	-	IRN	0373 -
1134	RPIP	33-071-10557	RPIP	33-071-10557	-	IRN	0373 -
1135	RPIP	33-071-10558	RPIP	33-071-10558	-	IRN	0373 -
1136	RPIP	33-071-10559	RPIP	33-071-10559	-	IRN	0373 -
1137	RPIP	33-155-10561	-	-	-	EGY	0373 -
1138	RPIP	33-155-10562	-	-	-	EGY	0373 -
1139	RPIP	33-085-10594	-	-	-	LBN	0373 -
1140	RPIP	33-155-10565	-	-	-	EGY	0373 -
1141	RPIP	33-155-10566	-	-	-	EGY	0373 -
1142	RPIP	33-155-10567	-	-	-	EGY	0373 -
1143	RPIP	33-155-10568	-	-	-	EGY	0373 -
1144	RPIP	33-155-10569	-	-	-	EGY	0373 -
1145	RPIP	33-155-10571	-	-	-	EGY	0373 -
1146	RPIP	33-155-10572	-	-	-	EGY	0373 -
1147	RPIP	33-155-10573	-	-	-	EGY	0373 -
1148	RPIP	33-071-10574	RPIP	33-071-10574	-	IRN	0373 -
1149	RPIP	33-071-10576	RPIP	33-071-10576	-	IRN	0373 -
1150	RPIP	33-071-10577	RPIP	33-071-10577	-	IRN	0373 -
1151	RPIP	33-071-10578	RPIP	33-071-10578	-	IRN	0373 -
1152	RPIP	33-071-10579	RPIP	33-071-10579	-	IRN	0373 -
1153	RPIP	33-071-10580	RPIP	33-071-10580	-	IRN	0373 -
1154	RPIP	33-071-10581	RPIP	33-071-10581	-	IRN	0373 -
1155	RPIP	33-071-10582-A	RPIP	33-071-10582-A	-	IRN	0373 -

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedisree)	CDat	Cou	Province or Town	RDat	Ind
1156	RPIP	33-071-10582-B	RPIP	-	33-071-10582-B	-	IRN	-	0373	-
1157	RPIP	33-071-10585	RPIP	-	33-071-10585	-	IRN	-	0373	-
1158	RPIP	33-071-10586	RPIP	-	33-071-10586	-	IRN	-	0373	-
1159	RPIP	33-071-10587	RPIP	-	33-071-10587	-	IRN	-	0373	-
1160	RPIP	33-085-10589-A	-	-	-	-	LBN	-	0373	-
1161	RPIP	33-085-10589-B	-	-	-	-	LBN	-	0373	-
1162	RPIP	33-085-10591	-	-	-	-	LBN	-	0373	-
1163	RPIP	33-085-10592	-	-	-	-	LBN	-	0373	-
1164	RPIP	33-085-10593	-	-	-	-	LBN	-	0373	-
1165	RPIP	33-085-10594	-	-	-	-	LBN	-	0373	-
1166	RPIP	33-085-10595	-	-	-	-	LBN	-	0373	-
1167	RPIP	33-085-10596	-	-	-	-	LBN	-	0373	-
1168	RPIP	33-085-10597	-	-	-	-	LBN	-	0373	-
1169	RPIP	33-085-10598	-	-	-	-	LBN	-	0373	-
1170	RPIP	33-085-10600	-	-	-	-	LBN	-	0373	-
1171	RPIP	33-071-10601	RPIP	-	33-071-10601	-	IRN	-	0373	-
1172	RPIP	33-085-10602	-	-	-	-	LBN	-	0373	-
1173	RPIP	33-071-10603	RPIP	-	33-071-10603	-	IRN	-	0373	-
1174	RPIP	33-085-10604	-	-	-	-	LBN	-	0373	-
1175	RPIP	33-085-10607	-	-	-	-	LBN	-	0373	-
1176	RPIP	33-085-10608	-	-	-	-	LBN	-	0373	-
1177	RPIP	33-071-10609	RPIP	-	33-071-10609	-	IRN	-	0373	-
1178	RPIP	33-085-10610	-	-	-	-	LBN	-	0373	-
1179	RPIP	33-071-10611	RPIP	-	33-071-10611	-	IRN	-	0373	-
1180	RPIP	33-071-10612	RPIP	-	33-071-10612	-	IRN	-	0373	-
1181	RPIP	33-071-10613	RPIP	-	33-071-10613	-	IRN	-	0373	-
1182	RPIP	33-071-10614	RPIP	-	33-071-10614	-	IRN	-	0373	-
1183	RPIP	33-071-10615	RPIP	-	33-071-10615	-	IRN	-	0373	-
1184	RPIP	33-071-10617	RPIP	-	33-071-10617	-	IRN	-	0373	-
1185	RPIP	33-071-10618	RPIP	-	33-071-10618	-	IRN	-	0373	-
1186	RPIP	33-071-10622	RPIP	-	33-071-10622	-	IRN	-	0373	-
1187	RPIP	33-071-10623	RPIP	-	33-071-10623	-	IRN	-	0373	-
1188	RPIP	33-071-10624	RPIP	-	33-071-10624	-	IRN	-	0373	-
1189	RPIP	33-071-10625	RPIP	-	33-071-10625	-	IRN	-	0373	-
1190	RPIP	33-071-10626	RPIP	-	33-071-10626	-	IRN	-	0373	-

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Tawn	RDat Ind
1191	RPIP	33-071-10628	RPIP	33-071-10628	-	IRN	0373 -
1192	RPIP	33-071-10629	RPIP	33-071-10629	-	IRN	0373 -
1193	RPIP	33-071-10630	RPIP	33-071-10630	-	IRN	0373 -
1194	RPIP	33-071-10631	RPIP	33-071-10631	-	IRN	0373 -
1195	RPIP	33-071-10632	RPIP	33-071-10632	-	IRN	0373 -
1196	RPIP	33-071-10633	RPIP	33-071-10633	-	IRN	0373 -
1197	RPIP	33-071-10634	RPIP	33-071-10634	-	IRN	0373 -
1198	RPIP	33-071-10635	RPIP	33-071-10635	-	IRN	0373 -
1199	RPIP	33-071-10636	RPIP	33-071-10636	-	IRN	0373 -
1200	RPIP	33-071-10637	RPIP	33-071-10637	-	IRN	0373 -
1201	RPIP	33-071-10638	RPIP	33-071-10638	-	IRN	0373 -
1202	RPIP	33-071-10639	RPIP	33-071-10639	-	IRN	0373 -
1203	RPIP	33-071-10640	RPIP	33-071-10640	-	IRN	0373 -
1204	RPIP	33-071-10642	RPIP	33-071-10642	-	IRN	0373 -
1205	RPIP	33-071-10643	RPIP	33-071-10643	-	IRN	0373 -
1206	RPIP	33-071-10644	RPIP	33-071-10644	-	IRN	0373 -
1207	RPIP	33-071-10645	RPIP	33-071-10645	-	IRN	0373 -
1208	RPIP	33-071-10646	RPIP	33-071-10646	-	IRN	0373 -
1209	RPIP	33-071-10647	RPIP	33-071-10647	-	IRN	0373 -
1210	RPIP	33-071-10648	RPIP	33-071-10648	-	IRN	0373 -
1211	RPIP	33-071-10649	RPIP	33-071-10649	-	IRN	0373 -
1212	RPIP	33-071-10650	RPIP	33-071-10650	-	IRN	0373 -
1213	RPIP	33-071-10651	RPIP	33-071-10651	-	IRN	0373 -
1214	RPIP	33-071-10652	RPIP	33-071-10652	-	IRN	0373 -
1215	RPIP	33-071-10653	RPIP	33-071-10653	-	IRN	0373 -
1216	RPIP	33-071-10654	RPIP	33-071-10654	-	IRN	0373 -
1217	RPIP	33-071-10655	RPIP	33-071-10655	-	IRN	0373 -
1218	RPIP	33-071-10656	RPIP	33-071-10656	-	IRN	0373 -
1219	RPIP	33-071-10658	RPIP	33-071-10658	-	IRN	0373 -
1220	RPIP	33-071-10659	RPIP	33-071-10659	-	IRN	0373 -
1221	RPIP	33-071-10660	RPIP	33-071-10660	-	IRN	0373 -
1222	RPIP	33-071-10661	RPIP	33-071-10661	-	IRN	0373 -
1223	RPIP	33-071-10662	RPIP	33-071-10662	-	IRN	0373 -
1224	RPIP	33-071-10663	RPIP	33-071-10663	-	IRN	0373 -
1225	RPIP	33-071-10664	RPIP	33-071-10664	-	IRN	0373 -

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
1226	RPIP	33-071-10665	RPIP -	33-071-10665	-	IRN -	0373 -
1227	RPIP	33-071-10666	RPIP -	33-071-10666	-	IRN -	0373 -
1228	RPIP	33-071-10667	RPIP -	33-071-10667	-	IRN -	0373 -
1229	RPIP	33-071-10668	RPIP -	33-071-10668	-	IRN -	0373 -
1230	RPIP	33-071-10669-A	RPIP -	33-071-10669-A	-	IRN -	0373 -
1231	RPIP	33-071-10669-B	RPIP -	33-071-10669-B	-	IRN -	0373 -
1232	RPIP	33-071-10670	RPIP -	33-071-10670	-	IRN -	0373 -
1233	RPIP	33-071-10671	RPIP -	33-071-10671	-	IRN -	0373 -
1234	RPIP	33-071-10672	RPIP -	33-071-10672	-	IRN -	0373 -
1235	RPIP	33-071-10673	RPIP -	33-071-10673	-	IRN -	0373 -
1236	RPIP	33-071-10674	RPIP -	33-071-10674	-	IRN -	0373 -
1237	RPIP	33-071-10675	RPIP -	33-071-10675	-	IRN -	0373 -
1238	RPIP	33-071-10676	RPIP -	33-071-10676	-	IRN -	0373 -
1239	RPIP	33-071-10677	RPIP -	33-071-10677	-	IRN -	0373 -
1240	RPIP	33-071-10678	RPIP -	33-071-10678	-	IRN -	0373 -
1241	RPIP	33-071-10680	RPIP -	33-071-10680	-	IRN -	0373 -
1242	RPIP	33-071-10681	RPIP -	33-071-10681	-	IRN -	0373 -
1243	RPIP	33-071-10682	RPIP -	33-071-10682	-	IRN -	0373 -
1244	RPIP	33-071-10683	RPIP -	33-071-10683	-	IRN -	0373 -
1245	RPIP	33-071-10684	RPIP -	33-071-10684	-	IRN -	0373 -
1246	RPIP	33-071-10685	RPIP -	33-071-10685	-	IRN -	0373 -
1247	RPIP	33-071-10686	RPIP -	33-071-10686	-	IRN -	0373 -
1248	RPIP	33-071-10687	RPIP -	33-071-10687	-	IRN -	0373 -
1249	RPIP	33-071-10688	RPIP -	33-071-10688	-	IRN -	0373 -
1250	RPIP	33-071-10689	RPIP -	33-071-10689	-	IRN -	0373 -
1251	RPIP	33-071-10690	RPIP -	33-071-10690	-	IRN -	0373 -
1252	RPIP	33-071-10691	RPIP -	33-071-10691	-	IRN -	0373 -
1253	RPIP	33-071-10692	RPIP -	33-071-10692	-	IRN -	0373 -
1254	RPIP	33-071-10693	RPIP -	33-071-10693	-	IRN -	0373 -
1255	RPIP	33-071-10694	RPIP -	33-071-10694	-	IRN -	0373 -
1256	RPIP	33-071-10695	RPIP -	33-071-10695	-	IRN -	0373 -
1257	RPIP	33-071-10696	RPIP -	33-071-10696	-	IRN -	0373 -
1258	RPIP	33-071-10697	RPIP -	33-071-10697	-	IRN -	0373 -
1259	RPIP	33-071-10698	RPIP -	33-071-10698	-	IRN -	0373 -
1260	RPIP	33-071-10699	RPIP -	33-071-10699	-	IRN -	0373 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
1261	RPIP	33-071-10702	RPIP	33-071-10702	-	IRN	0373 -
1262	RPIP	33-071-10703	RPIP	33-071-10703	-	IRN	0373 -
1263	RPIP	33-071-10704	RPIP	33-071-10704	-	IRN	0373 -
1264	RPIP	33-071-10705	RPIP	33-071-10705	-	IRN	0373 -
1265	RPIP	33-071-10706	RPIP	33-071-10706	-	IRN	0373 -
1266	RPIP	33-071-10707	RPIP	33-071-10707	-	IRN	0373 -
1267	RPIP	33-071-10708	RPIP	33-071-10708	-	IRN	0373 -
1268	RPIP	33-071-10709	RPIP	33-071-10709	-	IRN	0373 -
1269	RPIP	33-071-10710	RPIP	33-071-10710	-	IRN	0373 -
1270	RPIP	33-071-10711	RPIP	33-071-10711	-	IRN	0373 -
1271	RPIP	33-071-10712	RPIP	33-071-10712	-	IRN	0373 -
1272	RPIP	33-071-10713	RPIP	33-071-10713	-	IRN	0373 -
1273	RPIP	33-071-10714	RPIP	33-071-10714	-	IRN	0373 -
1274	RPIP	33-071-10715	RPIP	33-071-10715	-	IRN	0373 -
1275	RPIP	33-071-10716	RPIP	33-071-10716	-	IRN	0373 -
1276	RPIP	33-071-10718	RPIP	33-071-10718	-	IRN	0373 -
1277	RPIP	33-071-10719	RPIP	33-071-10719	-	IRN	0373 -
1278	RPIP	33-071-10720	RPIP	33-071-10720	-	IRN	0373 -
1279	RPIP	33-071-10721	RPIP	33-071-10721	-	IRN	0373 -
1280	RPIP	33-071-10722	RPIP	33-071-10722	-	IRN	0373 -
1281	RPIP	33-071-10723	RPIP	33-071-10723	-	IRN	0373 -
1282	RPIP	33-071-10724	RPIP	33-071-10724	-	IRN	0373 -
1283	RPIP	33-071-10725	RPIP	33-071-10725	-	IRN	0373 -
1284	RPIP	33-071-10726	RPIP	33-071-10726	-	IRN	0373 -
1285	RPIP	33-071-10727	RPIP	33-071-10727	-	IRN	0373 -
1286	RPIP	33-071-10728	RPIP	33-071-10728	-	IRN	0373 -
1287	RPIP	33-071-10729	RPIP	33-071-10729	-	IRN	0373 -
1288	RPIP	33-071-10730	RPIP	33-071-10730	-	IRN	0373 -
1289	RPIP	33-071-10732	RPIP	33-071-10732	-	IRN	0373 -
1290	RPIP	33-071-10733	RPIP	33-071-10733	-	IRN	0373 -
1291	RPIP	33-071-10734	RPIP	33-071-10734	-	IRN	0373 -
1292	RPIP	33-071-10735	RPIP	33-071-10735	-	IRN	0373 -
1293	RPIP	33-071-10736	RPIP	33-071-10736	-	IRN	0373 -
1294	RPIP	33-071-10737	RPIP	33-071-10737	-	IRN	0373 -
1295	RPIP	33-071-10738	RPIP	33-071-10738	-	IRN	0373 -

ILL	Don Org	Don No	Col Org Collector	Call No (Fedisree)	CDat Cou	Province or Town	Rdat Ind
1296	RPIP	33-071-10739	RPIP	33-071-10739	-	IRN	0373 -
1297	RPIP	33-071-10740	RPIP	33-071-10740	-	IRN	0373 -
1298	RPIP	33-071-10741	RPIP	33-071-10741	-	IRN	0373 -
1299	RPIP	33-071-10742	RPIP	33-071-10742	-	IRN	0373 -
1300	RPIP	33-071-10743	RPIP	33-071-10743	-	IRN	0373 -
1301	RPIP	33-071-10744	RPIP	33-071-10744	-	IRN	0373 -
1302	RPIP	33-071-10745	RPIP	33-071-10745	-	IRN	0373 -
1303	RPIP	33-071-10746	RPIP	33-071-10746	-	IRN	0373 -
1304	RPIP	33-071-10747	RPIP	33-071-10747	-	IRN	0373 -
1305	RPIP	33-071-10748-A	RPIP	33-071-10748-A	-	IRN	0373 -
1306	RPIP	33-071-10748-B	RPIP	33-071-10748-B	-	IRN	0373 -
1307	RPIP	33-071-10749	RPIP	33-071-10749	-	IRN	0373 -
1308	RPIP	33-071-10753	RPIP	33-071-10753	-	IRN	0373 -
1309	RPIP	33-071-10754	RPIP	33-071-10754	-	IRN	0373 -
1310	RPIP	33-071-10755	RPIP	33-071-10755	-	IRN	0373 -
1311	RPIP	33-071-10756	RPIP	33-071-10756	-	IRN	0373 -
1312	RPIP	33-071-10757	RPIP	33-071-10757	-	IRN	0373 -
1313	RPIP	33-071-10758	RPIP	33-071-10758	-	IRN	0373 -
1314	RPIP	33-071-10759	RPIP	33-071-10759	-	IRN	0373 -
1315	RPIP	33-071-10761	RPIP	33-071-10761	-	IRN	0373 -
1316	RPIP	33-071-10762	RPIP	33-071-10762	-	IRN	0373 -
1317	RPIP	33-071-10763	RPIP	33-071-10763	-	IRN	0373 -
1318	RPIP	33-071-10764	RPIP	33-071-10764	-	IRN	0373 -
1319	RPIP	33-071-10765	RPIP	33-071-10765	-	IRN	0373 -
1320	RPIP	33-071-10767	RPIP	33-071-10767	-	IRN	0373 -
1321	RPIP	33-071-10768	RPIP	33-071-10768	-	IRN	0373 -
1322	RPIP	33-071-10769	RPIP	33-071-10769	-	IRN	0373 -
1323	RPIP	33-071-10771-A	RPIP	33-071-10771-A	-	IRN	0373 -
1324	RPIP	33-071-10771-B	RPIP	33-071-10771-B	-	IRN	0373 -
1325	RPIP	33-071-10772	RPIP	33-071-10772	-	IRN	0373 -
1326	RPIP	33-071-10773	RPIP	33-071-10773	-	IRN	0373 -
1327	RPIP	33-071-10774	RPIP	33-071-10774	-	IRN	0373 -
1328	RPIP	33-071-10775	RPIP	33-071-10775	-	IRN	0373 -
1329	RPIP	33-071-10776	RPIP	33-071-10776	-	IRN	0373 -
1330	RPIP	33-071-10777	RPIP	33-071-10777	-	IRN	0373 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	Rdat Ind
1331	RP1P	33-071-10778	RP1P	33-071-10778	-	IRN	0373 -
1332	RP1P	33-071-10779	RP1P	33-071-10779	-	IRN	0373 -
1333	RP1P	33-071-10780	RP1P	33-071-10780	-	IRN	0373 -
1334	RP1P	33-071-10781	RP1P	33-071-10781	-	IRN	0373 -
1335	RP1P	33-071-10782	RP1P	33-071-10782	-	IRN	0373 -
1336	RP1P	33-071-10783	RP1P	33-071-10783	-	IRN	0373 -
1337	RP1P	33-071-10784	RP1P	33-071-10784	-	IRN	0373 -
1338	RP1P	33-071-10785	RP1P	33-071-10785	-	IRN	0373 -
1339	RP1P	33-071-10786	RP1P	33-071-10786	-	IRN	0373 -
1340	RP1P	33-071-10787	RP1P	33-071-10787	-	IRN	0373 -
1341	RP1P	33-071-10788	RP1P	33-071-10788	-	IRN	0373 -
1342	RP1P	33-071-10789	RP1P	33-071-10789	-	IRN	0373 -
1343	RP1P	33-071-10790	RP1P	33-071-10790	-	IRN	0373 -
1344	RP1P	33-071-10791	RP1P	33-071-10791	-	IRN	0373 -
1345	RP1P	33-071-10792	RP1P	33-071-10792	-	IRN	0373 -
1346	RP1P	33-071-10793	RP1P	33-071-10793	-	IRN	0373 -
1347	RP1P	33-071-10794	RP1P	33-071-10794	-	IRN	0373 -
1348	RP1P	33-071-10795	RP1P	33-071-10795	-	IRN	0373 -
1349	RP1P	33-071-10796	RP1P	33-071-10796	-	IRN	0373 -
1350	RP1P	33-071-10797	RP1P	33-071-10797	-	IRN	0373 -
1351	RP1P	33-071-10798	RP1P	33-071-10798	-	IRN	0373 -
1352	RP1P	33-071-10799	RP1P	33-071-10799	-	IRN	0373 -
1353	RP1P	33-071-10800	RP1P	33-071-10800	-	IRN	0373 -
1354	RP1P	33-071-10801	RP1P	33-071-10801	-	IRN	0373 -
1355	RP1P	33-071-10802	RP1P	33-071-10802	-	IRN	0373 -
1356	RP1P	33-071-10803	RP1P	33-071-10803	-	IRN	0373 -
1357	RP1P	33-071-10804	RP1P	33-071-10804	-	IRN	0373 -
1358	RP1P	33-071-10805	RP1P	33-071-10805	-	IRN	0373 -
1359	RP1P	33-071-10806	RP1P	33-071-10806	-	IRN	0373 -
1360	RP1P	33-071-10807	RP1P	33-071-10807	-	IRN	0373 -
1361	RP1P	33-071-10808	RP1P	33-071-10808	-	IRN	0373 -
1362	RP1P	33-071-10809-A	RP1P	33-071-10809-A	-	IRN	0373 -
1363	RP1P	33-071-10809-B	RP1P	33-071-10809-B	-	IRN	0373 -
1364	RP1P	33-071-10811	RP1P	33-071-10811	-	IRN	0373 -
1365	RP1P	33-071-10812	RP1P	33-071-10812	-	IRN	0373 -

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedisree)	CDat	Cou	Province or Town	RDat	Ind
1366	RPIP	33-071-10813	RPIP	-	33-071-10813	-	IRN	-	0373	-
1367	RPIP	33-071-10815	RPIP	-	33-071-10815	-	IRN	-	0373	-
1368	RPIP	33-071-10817	RPIP	-	33-071-10817	-	IRN	-	0373	-
1369	RPIP	33-071-10818	RPIP	-	33-071-10818	-	IRN	-	0373	-
1370	RPIP	33-071-10819	RPIP	-	33-071-10819	-	IRN	-	0373	-
1371	RPIP	33-071-10820	RPIP	-	33-071-10820	-	IRN	-	0373	-
1372	RPIP	33-071-10821-A	RPIP	-	33-071-10821-A	-	IRN	-	0373	-
1373	RPIP	33-071-10821-B	RPIP	-	33-071-10821-B	-	IRN	-	0373	-
1374	RPIP	33-071-10822	RPIP	-	33-071-10822	-	IRN	-	0373	-
1375	RPIP	33-071-10823	RPIP	-	33-071-10823	-	IRN	-	0373	-
1376	RPIP	33-071-10824	RPIP	-	33-071-10824	-	IRN	-	0373	-
1377	RPIP	33-071-10825	RPIP	-	33-071-10825	-	IRN	-	0373	-
1378	RPIP	33-071-10826	RPIP	-	33-071-10826	-	IRN	-	0373	-
1379	RPIP	33-071-10827	RPIP	-	33-071-10827	-	IRN	-	0373	-
1380	RPIP	33-071-10828	RPIP	-	33-071-10828	-	IRN	-	0373	-
1381	RPIP	33-071-10830	RPIP	-	33-071-10830	-	IRN	-	0373	-
1382	RPIP	33-071-10831	RPIP	-	33-071-10831	-	IRN	-	0373	-
1383	RPIP	33-071-10832	RPIP	-	33-071-10832	-	IRN	-	0373	-
1384	RPIP	33-071-10833	RPIP	-	33-071-10833	-	IRN	-	0373	-
1385	RPIP	33-071-10834	RPIP	-	33-071-10834	-	IRN	-	0373	-
1386	RPIP	33-071-10835	RPIP	-	33-071-10835	-	IRN	-	0373	-
1387	RPIP	33-071-10836	RPIP	-	33-071-10836	-	IRN	-	0373	-
1388	RPIP	33-071-10837	RPIP	-	33-071-10837	-	IRN	-	0373	-
1389	RPIP	33-071-10839	RPIP	-	33-071-10839	-	IRN	-	0373	-
1390	RPIP	33-071-10840	RPIP	-	33-071-10840	-	IRN	-	0373	-
1391	RPIP	33-071-10841	RPIP	-	33-071-10841	-	IRN	-	0373	-
1392	RPIP	33-071-10842	RPIP	-	33-071-10842	-	IRN	-	0373	-
1393	RPIP	33-071-10843	RPIP	-	33-071-10843	-	IRN	-	0373	-
1394	RPIP	33-071-10845	RPIP	-	33-071-10845	-	IRN	-	0373	-
1395	RPIP	33-071-10846	RPIP	-	33-071-10846	-	IRN	-	0373	-
1396	RPIP	33-071-10848	RPIP	-	33-071-10848	-	IRN	-	0373	-
1397	RPIP	33-071-10849	RPIP	-	33-071-10849	-	IRN	-	0373	-
1398	RPIP	33-071-10850	RPIP	-	33-071-10850	-	IRN	-	0373	-
1399	RPIP	33-071-10852	RPIP	-	33-071-10852	-	IRN	-	0373	-
1400	RPIP	33-071-10853	RPIP	-	33-071-10853	-	IRN	-	0373	-

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
1401	RPIP	33-071-10855	RPIP	33-071-10855	-	IRN	0373 -
1402	RPIP	33-071-10857	RPIP	33-071-10857	-	IRN	0373 -
1403	RPIP	33-071-10858	RPIP	33-071-10858	-	IRN	0373 -
1404	RPIP	33-071-10859	RPIP	33-071-10859	-	IRN	0373 -
1405	RPIP	33-071-10860	RPIP	33-071-10860	-	IRN	0373 -
1406	RPIP	33-071-10861	RPIP	33-071-10861	-	IRN	0373 -
1407	RPIP	33-071-10862	RPIP	33-071-10862	-	IRN	0373 -
1408	RPIP	33-071-10863	RPIP	33-071-10863	-	IRN	0373 -
1409	RPIP	33-071-10864	RPIP	33-071-10864	-	IRN	0373 -
1410	RPIP	33-071-10865	RPIP	33-071-10865	-	IRN	0373 -
1411	RPIP	33-071-10866	RPIP	33-071-10866	-	IRN	0373 -
1412	RPIP	33-071-10867	RPIP	33-071-10867	-	IRN	0373 -
1413	RPIP	33-071-10868	RPIP	33-071-10868	-	IRN	0373 -
1414	RPIP	33-071-10869	RPIP	33-071-10869	-	IRN	0373 -
1415	RPIP	33-071-10870	RPIP	33-071-10870	-	IRN	0373 -
1416	RPIP	33-071-10871	RPIP	33-071-10871	-	IRN	0373 -
1417	RPIP	33-071-10872	RPIP	33-071-10872	-	IRN	0373 -
1418	RPIP	33-071-10874	RPIP	33-071-10874	-	IRN	0373 -
1419	RPIP	33-071-10875	RPIP	33-071-10875	-	IRN	0373 -
1420	RPIP	33-071-10876	RPIP	33-071-10876	-	IRN	0373 -
1421	RPIP	33-071-10877	RPIP	33-071-10877	-	IRN	0373 -
1422	RPIP	33-071-10878	RPIP	33-071-10878	-	IRN	0373 -
1423	RPIP	33-071-10879	RPIP	33-071-10879	-	IRN	0373 -
1424	RPIP	33-071-10880	RPIP	33-071-10880	-	IRN	0373 -
1425	RPIP	33-071-10881	RPIP	33-071-10881	-	IRN	0373 -
1426	RPIP	33-071-10882	RPIP	33-071-10882	-	IRN	0373 -
1427	RPIP	33-071-10884	RPIP	33-071-10884	-	IRN	0373 -
1428	RPIP	33-071-10885	RPIP	33-071-10885	-	IRN	0373 -
1429	RPIP	33-071-10887	RPIP	33-071-10887	-	IRN	0373 -
1430	RPIP	33-071-10888	RPIP	33-071-10888	-	IRN	0373 -
1431	RPIP	33-071-10889	RPIP	33-071-10889	-	IRN	0373 -
1432	RPIP	33-071-10890	RPIP	33-071-10890	-	IRN	0373 -
1433	RPIP	33-071-10892	RPIP	33-071-10892	-	IRN	0373 -
1434	RPIP	33-071-10894	RPIP	33-071-10894	-	IRN	0373 -
1435	RPIP	33-071-10895	RPIP	33-071-10895	-	IRN	0373 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
1436	RPIP	33-071-10896	RPIP	33-071-10896	-	IRN	0373 -
1437	RPIP	33-071-10897-A	RPIP	33-071-10897-A	-	IRN	0373 -
1438	RPIP	33-071-10897-B	RPIP	33-071-10897-B	-	IRN	0373 -
1439	RPIP	33-071-10898-A	RPIP	33-071-10898-A	-	IRN	0373 -
1440	RPIP	33-071-10898-B	RPIP	33-071-10898-B	-	IRN	0373 -
1441	RPIP	33-071-10900	RPIP	33-071-10900	-	IRN	0373 -
1442	RPIP	33-071-10901	RPIP	33-071-10901	-	IRN	0373 -
1443	RPIP	33-071-10902	RPIP	33-071-10902	-	IRN	0373 -
1444	RPIP	33-071-10904	RPIP	33-071-10904	-	IRN	0373 -
1445	RPIP	33-071-10905	RPIP	33-071-10905	-	IRN	0373 -
1446	RPIP	33-071-10906	RPIP	33-071-10906	-	IRN	0373 -
1447	RPIP	33-071-10907	RPIP	33-071-10907	-	IRN	0373 -
1448	RPIP	33-071-10908-A	RPIP	33-071-10908-A	-	IRN	0373 -
1449	RPIP	33-071-10908-B	RPIP	33-071-10908-B	-	IRN	0373 -
1450	RPIP	33-071-10911-A	RPIP	33-071-10911-A	-	IRN	0373 -
1451	RPIP	33-071-10911-B	RPIP	33-071-10911-B	-	IRN	0373 -
1452	RPIP	33-071-10909	RPIP	33-071-10909	-	IRN	0373 -
1453	RPIP	33-071-10910	RPIP	33-071-10910	-	IRN	0373 -
1454	RPIP	33-071-10912	RPIP	33-071-10912	-	IRN	0373 -
1455	RPIP	33-071-10913	RPIP	33-071-10913	-	IRN	0373 -
1456	RPIP	33-071-10914	RPIP	33-071-10914	-	IRN	0373 -
1457	RPIP	33-071-10915	RPIP	33-071-10915	-	IRN	0373 -
1458	RPIP	33-071-10916	RPIP	33-071-10916	-	IRN	0373 -
1459	RPIP	33-071-10917-A	RPIP	33-071-10917-A	-	IRN	0373 -
1460	RPIP	33-071-10917-B	RPIP	33-071-10917-B	-	IRN	0373 -
1461	RPIP	33-071-10918	RPIP	33-071-10918	-	IRN	0373 -
1462	RPIP	33-071-10921	RPIP	33-071-10921	-	IRN	0373 -
1463	RPIP	33-071-10922	RPIP	33-071-10922	-	IRN	0373 -
1464	RPIP	33-071-10923	RPIP	33-071-10923	-	IRN	0373 -
1465	RPIP	33-071-10924	RPIP	33-071-10924	-	IRN	0373 -
1466	RPIP	33-071-10925	RPIP	33-071-10925	-	IRN	0373 -
1467	RPIP	33-071-10926	RPIP	33-071-10926	-	IRN	0373 -
1468	RPIP	33-071-10927	RPIP	33-071-10927	-	IRN	0373 -
1469	RPIP	33-071-10928	RPIP	33-071-10928	-	IRN	0373 -
1470	RPIP	33-071-10929	RPIP	33-071-10929	-	IRN	0373 -

ILL	Don Ors	Don No	Col Org Collector	Coll No (Pedigree)	Chat Cou	Province or Town	RDat Ind
1471	RPIP	33-071-10930	RPIP	33-071-10930	-	IRN -	0373 -
1472	RPIP	33-071-10931	RPIP	33-071-10931	-	IRN -	0373 -
1473	RPIP	33-071-10932	RPIP	33-071-10932	-	IRN -	0373 -
1474	RPIP	33-071-10933	RPIP	33-071-10933	-	IRN -	0373 -
1475	RPIP	33-071-10934	RPIP	33-071-10934	-	IRN -	0373 -
1476	RPIP	33-071-10935	RPIP	33-071-10935	-	IRN -	0373 -
1477	RPIP	33-071-10936	RPIP	33-071-10936	-	IRN -	0373 -
1478	RPIP	33-071-10937	RPIP	33-071-10937	-	IRN -	0373 -
1479	RPIP	33-071-10938	RPIP	33-071-10938	-	IRN -	0373 -
1480	RPIP	33-071-10939	RPIP	33-071-10939	-	IRN -	0373 -
1481	RPIP	33-071-10941	RPIP	33-071-10941	-	IRN -	0373 -
1482	RPIP	33-071-10942	RPIP	33-071-10942	-	IRN -	0373 -
1483	RPIP	33-071-10943	RPIP	33-071-10943	-	IRN -	0373 -
1484	RPIP	33-071-10944	RPIP	33-071-10944	-	IRN -	0373 -
1485	RPIP	33-071-10945	RPIP	33-071-10945	-	IRN -	0373 -
1486	RPIP	33-071-10946	RPIP	33-071-10946	-	IRN -	0373 -
1487	RPIP	33-071-10947	RPIP	33-071-10947	-	IRN -	0373 -
1488	RPIP	33-071-10948	RPIP	33-071-10948	-	IRN -	0373 -
1489	RPIP	33-071-10949	RPIP	33-071-10949	-	IRN -	0373 -
1490	RPIP	33-071-10950	RPIP	33-071-10950	-	IRN -	0373 -
1491	RPIP	33-071-10951	RPIP	33-071-10951	-	IRN -	0373 -
1492	RPIP	33-071-10952	RPIP	33-071-10952	-	IRN -	0373 -
1493	RPIP	33-071-10953	RPIP	33-071-10953	-	IRN -	0373 -
1494	RPIP	33-071-10955	RPIP	33-071-10955	-	IRN -	0373 -
1495	RPIP	33-071-10956	RPIP	33-071-10956	-	IRN -	0373 -
1496	RPIP	33-071-10957	RPIP	33-071-10957	-	IRN -	0373 -
1497	RPIP	33-071-10958	RPIP	33-071-10958	-	IRN -	0373 -
1498	RPIP	33-071-10959	RPIP	33-071-10959	-	IRN -	0373 -
1499	RPIP	33-071-10962	RPIP	33-071-10962	-	IRN -	0373 -
1500	RPIP	33-071-10963	RPIP	33-071-10963	-	IRN -	0373 -
1501	RPIP	33-071-10964	RPIP	33-071-10964	-	IRN -	0373 -
1502	RPIP	33-071-10965	RPIP	33-071-10965	-	IRN -	0373 -
1503	RPIP	33-071-10966	RPIP	33-071-10966	-	IRN -	0373 -
1504	RPIP	33-071-10967	RPIP	33-071-10967	-	IRN -	0373 -
1505	RPIP	33-071-10968	RPIP	33-071-10968	-	IRN -	0373 -

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
1506	RPIP	33-071-10969	RPIP -	33-071-10969	-	IRN -	0373 -
1507	RPIP	33-071-10970	RPIP -	33-071-10970	-	IRN -	0373 -
1508	RPIP	33-071-10971	RPIP -	33-071-10971	-	IRN -	0373 -
1509	RPIP	33-071-10972	RPIP -	33-071-10972	-	IRN -	0373 -
1510	RPIP	33-071-10973	RPIP -	33-071-10973	-	IRN -	0373 -
1511	RPIP	33-085-10975	-	-	-	LBN -	0373 -
1512	RPIP	33-153-10979	-	-	-	TUR -	0373 -
1513	RPIP	33-153-10982	-	-	-	TUR -	0373 -
1514	RPIP	33-071-10991	RPIP -	33-071-10991	-	IRN -	0373 -
1515	RPIP	33-071-10994	RPIP -	33-071-10994	-	IRN -	0373 -
1516	RPIP	33-071-10996	RPIP -	33-071-10996	-	IRN -	0373 -
1517	RPIP	33-071-10997	RPIP -	33-071-10997	-	IRN -	0373 -
1518	RPIP	33-071-10998	RPIP -	33-071-10998	-	IRN -	0373 -
1519	RPIP	33-079-10999	-	-	-	JOR -	0373 -
1520	RPIP	33-079-11000	-	-	-	JOR -	0373 -
1521	RPIP	33-071-11004	RPIP -	33-071-11004	-	IRN -	0373 -
1522	RPIP	33-071-11005	RPIP -	33-071-11005	-	IRN -	0373 -
1523	RPIP	33-071-11006	RPIP -	33-071-11006	-	IRN -	0373 -
1524	RPIP	33-071-11008	RPIP -	33-071-11008	-	IRN -	0373 -
1525	RPIP	33-071-11009	RPIP -	33-071-11009	-	IRN -	0373 -
1526	RPIP	33-071-11012	RPIP -	33-071-11012	-	IRN -	0373 -
1527	RPIP	33-071-11013	RPIP -	33-071-11013	-	IRN -	0373 -
1528	RPIP	33-071-11014	RPIP -	33-071-11014	-	IRN -	0373 -
1529	RPIP	33-071-11015	RPIP -	33-071-11015	-	IRN -	0373 -
1530	RPIP	33-071-11017	RPIP -	33-071-11017	-	IRN -	0373 -
1531	RPIP	33-071-11018	RPIP -	33-071-11018	-	IRN -	0373 -
1532	RPIP	33-071-11019	RPIP -	33-071-11019	-	IRN -	0373 -
1533	RPIP	33-071-11021-A	RPIP -	33-071-11021-A	-	IRN -	0373 -
1534	RPIP	33-071-11021-B	RPIP -	33-071-11021-B	-	IRN -	0373 -
1535	RPIP	33-071-11022	RPIP -	33-071-11022	-	IRN -	0373 -
1536	RPIP	33-071-11023	RPIP -	33-071-11023	-	IRN -	0373 -
1537	RPIP	33-071-11025	RPIP -	33-071-11025	-	IRN -	0373 -
1538	RPIP	33-071-11026-A	RPIP -	33-071-11026-A	-	IRN -	0373 -
1539	RPIP	33-071-11026-B	RPIP -	33-071-11026-B	-	IRN -	0373 -
1540	RPIP	33-071-11028	RPIP -	33-071-11028	-	IRN -	0373 -

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
1541	RPIP	33-071-11029	RPIP	-	33-071-11029	-	IRN -	0373 -
1542	RPIP	33-071-11030-A	RPIP	-	33-071-11030-A	-	IRN -	0373 -
1543	RPIP	33-071-11030-B	RPIP	-	33-071-11030-B	-	IRN -	0373 -
1544	RPIP	33-071-11031	RPIP	-	33-071-11031	-	IRN -	0373 -
1545	RPIP	33-071-11033	RPIP	-	33-071-11033	-	IRN -	0373 -
1546	RPIP	33-071-11034	RPIP	-	33-071-11034	-	IRN -	0373 -
1547	RPIP	33-071-11035	RPIP	-	33-071-11035	-	IRN -	0373 -
1548	RPIP	33-071-11037	RPIP	-	33-071-11037	-	IRN -	0373 -
1549	RPIP	33-071-11039	RPIP	-	33-071-11039	-	IRN -	0373 -
1550	RPIP	33-071-11040	RPIP	-	33-071-11040	-	IRN -	0373 -
1551	RPIP	33-071-11041-A	RPIP	-	33-071-11041-A	-	IRN -	0373 -
1552	RPIP	33-071-11041-B	RPIP	-	33-071-11041-B	-	IRN -	0373 -
1553	RPIP	33-071-11042	RPIP	-	33-071-11042	-	IRN -	0373 -
1554	RPIP	33-071-11043	RPIP	-	33-071-11043	-	IRN -	0373 -
1555	RPIP	33-071-11045	RPIP	-	33-071-11045	-	IRN -	0373 -
1556	RPIP	33-071-11046	RPIP	-	33-071-11046	-	IRN -	0373 -
1557	RPIP	33-071-11047	RPIP	-	33-071-11047	-	IRN -	0373 -
1558	RPIP	33-071-11049	RPIP	-	33-071-11049	-	IRN -	0373 -
1559	RPIP	33-071-11051	RPIP	-	33-071-11051	-	IRN -	0373 -
1560	RPIP	33-071-11052	RPIP	-	33-071-11052	-	IRN -	0373 -
1561	RPIP	33-071-11053	RPIP	-	33-071-11053	-	IRN -	0373 -
1562	RPIP	33-071-11054	RPIP	-	33-071-11054	-	IRN -	0373 -
1563	RPIP	33-071-11055	RPIP	-	33-071-11055	-	IRN -	0373 -
1564	RPIP	33-071-11056	RPIP	-	33-071-11056	-	IRN -	0373 -
1565	RPIP	33-071-11057	RPIP	-	33-071-11057	-	IRN -	0373 -
1566	RPIP	33-071-11062	RPIP	-	33-071-11062	-	IRN -	0373 -
1567	RPIP	33-071-11064	RPIP	-	33-071-11064	-	IRN -	0373 -
1568	RPIP	33-071-11065	RPIP	-	33-071-11065	-	IRN -	0373 -
1569	RPIP	33-071-11066	RPIP	-	33-071-11066	-	IRN -	0373 -
1570	RPIP	33-071-11067	RPIP	-	33-071-11067	-	IRN -	0373 -
1571	RPIP	33-071-11068	RPIP	-	33-071-11068	-	IRN -	0373 -
1572	RPIP	33-071-11069	RPIP	-	33-071-11069	-	IRN -	0373 -
1573	RPIP	33-071-11070	RPIP	-	33-071-11070	-	IRN -	0373 -
1574	RPIP	33-071-11071	RPIP	-	33-071-11071	-	IRN -	0373 -
1575	RPIP	33-071-11074	RPIP	-	33-071-11074	-	IRN -	0373 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
1576	RPIP	33-071-11075	RPIP	33-071-11075	-	IRN	0373 -
1577	RPIP	33-071-11077-A	RPIP	33-071-11077-A	-	IRN	0373 -
1578	RPIP	33-071-11077-B	RPIP	33-071-11077-B	-	IRN	0373 -
1579	RPIP	33-071-11079	RPIP	33-071-11079	-	IRN	0373 -
1580	RPIP	33-071-11080	RPIP	33-071-11080	-	IRN	0373 -
1581	RPIP	33-071-11081-A	RPIP	33-071-11081-A	-	IRN	0373 -
1582	RPIP	33-071-11081-B	RPIP	33-071-11081-B	-	IRN	0373 -
1583	RPIP	33-071-11083	RPIP	33-071-11083	-	IRN	0373 -
1584	RPIP	33-071-11084	RPIP	33-071-11084	-	IRN	0373 -
1585	RPIP	33-071-11085	RPIP	33-071-11085	-	IRN	0373 -
1586	RPIP	33-071-11086	RPIP	33-071-11086	-	IRN	0373 -
1587	RPIP	33-071-11088	RPIP	33-071-11088	-	IRN	0373 -
1588	RPIP	33-071-11089	RPIP	33-071-11089	-	IRN	0373 -
1589	RPIP	33-071-11090	RPIP	33-071-11090	-	IRN	0373 -
1590	RPIP	33-071-11093	RPIP	33-071-11093	-	IRN	0373 -
1591	RPIP	33-071-11096	RPIP	33-071-11096	-	IRN	0373 -
1592	RPIP	33-071-11098	RPIP	33-071-11098	-	IRN	0373 -
1593	RPIP	33-071-11099	RPIP	33-071-11099	-	IRN	0373 -
1594	RPIP	33-071-11100	RPIP	33-071-11100	-	IRN	0373 -
1595	RPIP	33-071-11101	RPIP	33-071-11101	-	IRN	0373 -
1596	RPIP	33-071-11102	RPIP	33-071-11102	-	IRN	0373 -
1597	RPIP	33-071-11103	RPIP	33-071-11103	-	IRN	0373 -
1598	RPIP	33-071-11105	RPIP	33-071-11105	-	IRN	0373 -
1599	RPIP	33-071-11106	RPIP	33-071-11106	-	IRN	0373 -
1600	RPIP	33-071-11108	RPIP	33-071-11108	-	IRN	0373 -
1601	RPIP	33-071-11109	RPIP	33-071-11109	-	IRN	0373 -
1602	RPIP	33-071-11110	RPIP	33-071-11110	-	IRN	0373 -
1603	RPIP	33-071-11111	RPIP	33-071-11111	-	IRN	0373 -
1604	RPIP	33-071-11112	RPIP	33-071-11112	-	IRN	0373 -
1605	RPIP	33-071-11113	RPIP	33-071-11113	-	IRN	0373 -
1606	RPIP	33-071-11116	RPIP	33-071-11116	-	IRN	0373 -
1607	RPIP	33-071-11117	RPIP	33-071-11117	-	IRN	0373 -
1608	RPIP	33-071-11119	RPIP	33-071-11119	-	IRN	0373 -
1609	RPIP	33-071-11120	RPIP	33-071-11120	-	IRN	0373 -
1610	RPIP	33-071-11121	RPIP	33-071-11121	-	IRN	0373 -

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedigree)	CDat Cou	Province or Town	ROat Ind
1611	RPIP	33-071-11125	RPIP	-	33-071-11125	-	IRN	0373 -
1612	RPIP	33-071-11132	RPIP	-	33-071-11132	-	IRN	0373 -
1613	RPIP	33-071-11134	RPIP	-	33-071-11134	-	IRN	0373 -
1614	RPIP	33-071-11135	RPIP	-	33-071-11135	-	IRN	0373 -
1615	RPIP	33-071-11136	RPIP	-	33-071-11136	-	IRN	0373 -
1616	RPIP	33-071-11137	RPIP	-	33-071-11137	-	IRN	0373 -
1617	RPIP	33-071-11138	RPIP	-	33-071-11138	-	IRN	0373 -
1618	RPIP	33-071-11139	RPIP	-	33-071-11139	-	IRN	0373 -
1619	RPIP	33-071-11140	RPIP	-	33-071-11140	-	IRN	0373 -
1620	RPIP	33-071-11141-A	RPIP	-	33-071-11141-A	-	IRN	0373 -
1621	RPIP	33-071-11141-B	RPIP	-	33-071-11141-B	-	IRN	0373 -
1622	RPIP	33-071-11142-A	RPIP	-	33-071-11142-A	-	IRN	0373 -
1623	RPIP	33-071-11142-B	RPIP	-	33-071-11142-B	-	IRN	0373 -
1624	RPIP	33-071-11142-C	RPIP	-	33-071-11142-C	-	IRN	0373 -
1625	RPIP	33-032-11143-A	-	-	-	-	CHL	0373 -
1626	RPIP	33-071-11144-B	RPIP	-	33-071-11144-B	-	IRN	0373 -
1627	RPIP	33-032-11143-C	-	-	-	-	CHL	0373 -
1628	RPIP	33-032-11143-D	-	-	-	-	CHL	0373 -
1629	RPIP	33-032-11143-B	-	-	-	-	CHL	0373 -
1630	RPIP	33-071-11144-A	RPIP	-	33-071-11144-A	-	IRN	0373 -
1631	RPIP	33-071-11144-C	RPIP	-	33-071-11144-C	-	IRN	0373 -
1632	RPIP	33-071-11144-D	RPIP	-	33-071-11144-D	-	IRN	0373 -
1633	RPIP	33-071-11145-A	RPIP	-	33-071-11145-A	-	IRN	0373 -
1634	RPIP	33-071-11145-B	RPIP	-	33-071-11145-B	-	IRN	0373 -
1635	RPIP	33-071-11145-C	RPIP	-	33-071-11145-C	-	IRN	0373 -
1636	RPIP	33-071-11146-A	RPIP	-	33-071-11146-A	-	IRN	0373 -
1637	RPIP	33-071-11146-B	RPIP	-	33-071-11146-B	-	IRN	0373 -
1638	RPIP	33-071-11146-C	RPIP	-	33-071-11146-C	-	IRN	0373 -
1639	RPIP	33-071-11147-A	RPIP	-	33-071-11147-A	-	IRN	0373 -
1640	RPIP	33-071-11147-B	RPIP	-	33-071-11147-B	-	IRN	0373 -
1641	RPIP	33-071-11147-C	RPIP	-	33-071-11147-C	-	IRN	0373 -
1642	RPIP	33-071-11148-A	RPIP	-	33-071-11148-A	-	IRN	0373 -
1643	RPIP	33-071-11148-B	RPIP	-	33-071-11148-B	-	IRN	0373 -
1644	-	-	ALAD	L.R.HOUSE	-	0573 DZA	ORAN AIN TENOUCHAR	0573 -
1645	ICA	BOYACA 1	ICA	H.A.CASTILLO	BOYACA 1	-	COL BOGOTA	0873 -

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedisree)	Cdat Cou	Province or Town	Rdat Ind
1646	ICA	BOYACA 2	ICA	M.A.CASTILLO	BOYACA 2	-	COL BOGOTA	0873 -
1647	ICA	CUNDINA MARCO 4	ICA	M.A.CASTILLO	CUNDINA MARCO 4	-	COL BOGOTA	0873 -
1648	ICA	CUNDINA MARCO 5	ICA	M.A.CASTILLO	CUNDINA MARCO 5	-	COL BOGOTA	0873 -
1649	ICA	CUNDINA MARCO 6	ICA	M.A.CASTILLO	CUNDINA MARCO 6	-	COL -	0873 -
1650	ICA	CUNDINA MARCO 7	ICA	M.A.CASTILLO	CUNDINA MARCO 7	-	COL -	0873 -
1651	ICA	CUNDINA MARCO 10	ICA	M.A.CASTILLO	CUNDINA MARCO 10	-	COL -	0873 -
1652	ICA	PERU 1	-	-	PERU 1	-	PER -	0873 -
1653	ICA	CHILE 3	-	-	CHILE 3	-	CHL -	0873 -
1654	-	-	-	-	-	-	LBN -	1073 -
1655	-	-	-	-	-	-	-	1073 -
1656	ARIN	CYPRIT LOCAL	ARIN	-	CYPRIT LOCAL	-	CYP NICOSIA	0174 -
1657	SSA	98	SSA	C.L.BEHH	98	0057 AFG	KABUL	0474 -
1658	SSA	118	SSA	C.L.BEHH	118	0057 AFG	KABUL	0474 -
1659	SSA	17	SSA	C.L.BEHH	17	0057 AFG	KABUL	0474 -
1660	SSA	19A	SSA	C.L.BEHH	19A	0057 AFG	KABUL	0474 -
1661	SSA	29D	SSA	C.L.BEHH	29D	0057 AFG	KABUL	0474 -
1662	SSA	47	SSA	C.L.BEHH	47	0057 AFG	KABUL	0474 -
1663	SSA	67B	SSA	C.L.BEHH	67B	0057 AFG	RUCHA	0474 -
1664	SSA	68	SSA	C.L.BEHH	68	0057 AFG	RUCHA	0474 -
1665	SSA	75B	SSA	C.L.BEHH	75B	0057 AFG	BANTAN	0474 -
1666	SSA	143	SSA	C.L.BEHH	143	0057 AFG	BANTAN	0474 -
1667	SSA	186	SSA	C.L.BEHH	186	0057 PAK	CHITRAL	0474 -
1668	SSA	305	SSA	C.L.BEHH	305	0057 IRN	-	0474 -
1669	SSA	307	SSA	C.L.BEHH	307	0057 IRN	-	0474 -
1670	SSA	555	SSA	C.L.BEHH	555	0057 IRN	ARDABIL	0474 -
1671	SSA	611	SSA	C.L.BEHH	611	0057 IRN	YURDA	0474 -
1672	DZ	EL 1	DZ	-	EL 1	-	ETH SHOA	0474 *
1673	DZ	EL 2	DZ	-	EL 2	-	ETH BALE	0574 *
1674	DZ	EL 3	DZ	-	EL 3	-	ETH SHOA	0574 *
1675	DZ	EL 4	DZ	-	EL 4	-	ETH SHOA	0574 *
1676	DZ	EL 5	DZ	-	EL 5	-	ETH ADDIS	0574 -
1677	DZ	EL 6	DZ	-	EL 6	-	ETH ADDIS	0574 -
1678	DZ	EL 7	DZ	-	EL 7	-	ETH GEMU GOFAR	0574 *
1679	DZ	EL 8	DZ	-	EL 8	-	ETH BALE	0574 *
1680	DZ	EL 9	DZ	-	EL 9	-	ETH ADDIS	0574 -

ILL	Don Ors	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
1681	DZ	EL 10	DZ	EL 10	-	ETH ADDIS	0574 *
1682	DZ	EL 11	DZ	EL 11	-	ETH GONDAR	0574 *
1683	DZ	EL 12	DZ	EL 12	-	ETH SHOA	0574 *
1684	DZ	EL 13	DZ	EL 13	-	ETH WOLLEGA	0574 *
1685	DZ	EL 14	DZ	EL 14	-	ETH SHOA	0574 *
1686	DZ	EL 15	DZ	EL 15	-	ETH BALE	0574 *
1687	DZ	EL 16	DZ	EL 16	-	ETH SIDOMO	0574 *
1688	DZ	EL 17	DZ	EL 17	-	ETH -	0574 *
1689	DZ	EL 18	DZ	EL 18	-	ETH WOLLEGA	0574 *
1690	DZ	EL 19	DZ	EL 19	-	ETH SHOA	0574 *
1691	DZ	EL 20	DZ	EL 20	-	ETH SHOA	0574 *
1692	DZ	EL 22	DZ	EL 22	-	ETH ADDIS	0574 *
1693	DZ	EL 23	DZ	EL 23	-	ETH SHOA	0574 *
1694	DZ	EL 24	DZ	EL 24	-	ETH SHOA	0574 *
1695	DZ	EL 25	DZ	EL 25	-	ETH SHOA	0574 *
1696	DZ	EL 26	DZ	EL 26	-	ETH GOJJAM	0574 *
1697	DZ	EL 27	DZ	EL 27	-	ETH MARARGHE	0574 *
1698	DZ	EL 28	DZ	EL 28	-	ETH ADDIS	0574 *
1699	DZ	EL 29	DZ	EL 29	-	ETH BEGENDIR GONDAR	0574 *
1700	DZ	EL 30	DZ	EL 30	-	ETH BALE	0574 *
1701	DZ	EL 31	DZ	EL 31	-	ETH SHOA	0574 *
1702	DZ	EL 32	DZ	EL 32	-	ETH GOJJAM	0574 *
1703	DZ	EL 33	DZ	EL 33	-	ETH SHOA	0574 *
1704	DZ	EL 34	DZ	EL 34	-	ETH SHOA	0574 *
1705	DZ	EL 35	DZ	EL 35	-	ETH BEGENDIR GONDAR	0574 *
1706	DZ	EL 36	DZ	EL 36	-	ETH SHOA	0574 *
1707	DZ	EL 37	DZ	EL 37	-	ETH MARARGHE	0574 *
1708	DZ	EL 38	DZ	EL 38	-	ETH BEGENDIR GONDAR	0574 *
1709	DZ	EL 39	DZ	EL 39	-	ETH SHOA	0574 *
1710	DZ	EL 40	DZ	EL 40	-	ETH BEGENDIR GONDAR	0574 *
1711	DZ	EL 41	DZ	EL 41	-	ETH SHOA	0574 *
1712	DZ	EL 42	DZ	EL 42	-	ETH GOJJAM	0574 *
1713	DZ	EL 43	DZ	EL 43	-	ETH GOJJAM	0574 *
1714	DZ	EL 44	DZ	EL 44	-	ETH WOLLO	0574 *
1715	DZ	EL 45	DZ	EL 45	-	ETH SHOA	0574 *

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedigree)	Chat Cou	Province or Town	RDat Ind
1716	DZ	EL 46	DZ	-	EL 46	-	ETH BEGENDIR GONDAR	0574 *
1717	DZ	EL 47	DZ	-	EL 47	-	ETH GOJJAM	0574 *
1718	DZ	EL 48	DZ	-	EL 48	-	ETH WOLLO	0574 *
1719	DZ	EL 49	DZ	-	EL 49	-	ETH SHOA	0574 *
1720	DZ	EL 50	DZ	-	EL 50	-	ETH SHOA	0574 *
1721	DZ	EL 51	DZ	-	EL 51	-	ETH SHOA	0574 *
1722	DZ	EL 52	DZ	-	EL 52	-	ETH -	0574 *
1723	DZ	EL 53	DZ	-	EL 53	-	ETH BALE	0574 *
1724	DZ	EL 54	DZ	-	EL 54	-	ETH BALE	0574 *
1725	DZ	EL 55	DZ	-	EL 55	-	ETH ADDIS	0574 -
1726	DZ	EL 51	DZ	-	EL 51	-	ETH SHOA	0574 *
1727	DZ	EL 52	DZ	-	EL 52	-	ETH ADDIS	0574 -
1728	DZ	EL 53	DZ	-	EL 53	-	ETH ADDIS	0574 -
1729	DZ	EL 54	DZ	-	EL 54	-	ETH ADDIS	0574 -
1730	DZ	EL 65	DZ	-	EL 65	-	ETH BALE	0574 *
1731	DZ	EL 66	DZ	-	EL 66(LS1P4)	-	ETH -	0574 -
1732	DZ	EL 67	DZ	-	EL 67	-	ETH SHOA	0574 *
1733	DZ	EL 68	DZ	-	EL 68	-	ETH SHOA	0574 *
1734	DZ	EL 69	DZ	-	EL 69	-	ETH -	0574 *
1735	DZ	EL 70	DZ	-	EL 70	-	ETH SHOA	0574 *
1736	DZ	EL 71	DZ	-	EL 71(LS1P3)	-	ETH -	0574 -
1737	DZ	EL 72	DZ	-	EL 72	-	ETH SHOA	0574 *
1738	DZ	EL 73	DZ	-	EL 73	-	ETH -	0574 *
1739	DZ	EL 74	DZ	-	EL 74	-	ETH -	0574 *
1740	DZ	EL 75	DZ	-	EL 75(LS1P1)	-	ETH -	0574 -
1741	DZ	EL 76	DZ	-	EL 76	-	ETH -	0574 *
1742	DZ	EL 77	DZ	-	EL 77(LS1P2)	-	ETH -	0574 -
1743	DZ	EL 78	DZ	-	EL 78(LS1P5)	-	ETH -	0574 -
1744	DZ	EL 79	DZ	-	EL 79	-	ETH SHOA	0574 *
1745	DZ	EL 80	DZ	-	EL 80	-	ETH SHOA	0574 *
1746	DZ	EL 81	DZ	-	EL 81	-	ETH SHOA	0574 *
1747	DZ	EL 82	DZ	-	EL 82	-	ETH SHOA	0574 *
1748	DZ	EL 83	DZ	-	EL 83	-	ETH -	0574 *
1749	DZ	EL 85	DZ	-	EL 85	-	ETH ADDIS	0574 -
1750	-	-	ALAD	G.C.HANTIN	31 L	0774	AFG -	0774 -

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedisree)	Cat Cou	Province or Town	Rdat Ind
1751	-	-	ALAD	G.C.HANTIN	35 L	0774 AFG	KOHISTAN	0774 -
1752	-	-	ALAD	G.C.HANTIN	37 L	0774 AFG	BEHSOOD	0774 -
1753	-	-	ALAD	G.C.HANTIN	39 L	0774 AFG	BEHSOOD	0774 -
1754	-	-	ALAD	G.C.HANTIN	50 L	0774 AFG	KOTA-I-ASHRO	0774 -
1755	-	-	ALAD	G.C.HANTIN	66 L	0774 AFG	SERIH KHOJA	0774 -
1756	-	-	ALAD	G.C.HANTIN	72 L	0774 AFG	QUARABAGH	0774 -
1757	-	-	ALAD	G.C.HANTIN	93 L	0774 AFG	MAZAR-I-SHARIFF	0774 -
1758	-	-	ALAD	G.C.HANTIN	97 L	0774 AFG	PUL-I-KHUMRI	0774 -
1759	-	-	ALAD	G.C.HANTIN	112 L	0774 AFG	CHAHAB	0774 -
1760	-	-	ALAD	G.C.HANTIN	135 L	0774 AFG	CHAHAB	0774 -
1761	-	-	ALAD	G.C.HANTIN	149 L	0774 AFG	-	0774 -
1762	-	-	ALAD	G.C.HANTIN	221 L	0774 AFG	-	0774 -
1763	-	-	ALAD	G.C.HANTIN	238 L	0774 AFG	CHARIKAR	0774 -
1764	-	-	ALAD	G.C.HANTIN	249 L	0774 AFG	JABUL SORAJ	0774 -
1765	-	-	ALAD	G.C.HANTIN	252 L	0774 AFG	CHARIKAR	0774 -
1766	-	-	ALAD	G.C.HANTIN	286 L	0774 AFG	JALALABAD	0774 -
1767	-	-	ALAD	G.C.HANTIN	287 L	0774 AFG	JALALABAD	0774 -
1768	-	-	ALAD	G.C.HANTIN	297 L	0774 AFG	JALALABAD	0774 -
1769	-	-	ALAD	G.C.HANTIN	316 L	0774 AFG	SOLOAR	0774 -
1770	-	-	ALAD	G.C.HANTIN	319 L	0774 AFG	GHAZNI	0774 -
1771	-	-	ALAD	G.C.HANTIN	326 L	0774 AFG	GHAZNI	0774 -
1772	-	-	ALAD	G.C.HANTIN	332 L	0774 AFG	GHAZNI	0774 -
1773	-	-	ALAD	G.C.HANTIN	333 L	0774 AFG	WARDAK	0774 -
1774	-	-	ALAD	G.C.HANTIN	337 L	0774 AFG	NARWOR	0774 -
1775	-	-	ALAD	G.C.HANTIN	339 L	0774 AFG	GAKATO	0774 -
1776	-	-	ALAD	G.C.HANTIN	341 L	0774 AFG	GHAZNI	0774 -
1777	-	-	ALAD	G.C.HANTIN	345 L	0774 AFG	MUGUR	0774 -
1778	-	-	ALAD	G.C.HANTIN	357 L	0774 AFG	WARDAK	0774 -
1779	-	-	ALAD	G.C.HANTIN	362 L	0774 AFG	-	0774 -
1780	-	-	ALAD	G.C.HANTIN	386 L	0774 AFG	LASHKARGARH	0774 -
1781	-	-	ALAD	G.C.HANTIN	410 L	0774 AFG	LASHKARGARH	0774 -
1782	-	-	ALAD	G.C.HANTIN	420 L	0774 AFG	KANDAHAR	0774 -
1783	-	-	ALAD	G.C.HANTIN	425 L	0774 AFG	GIRISHK	0774 -
1784	-	-	ALAD	G.C.HANTIN	429 L	0774 AFG	GIRISHK	0774 -
1785	-	-	ALAD	G.C.HANTIN	433 L	0774 AFG	GIRISHK	0774 -

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedisree)	CDat	Cou	Province or Town	RDat	Ind
1786	-	-	ALAD	G.C.HANTIN	437 AL	0774	AFG	-	0774	-
1787	-	-	ALAD	G.C.HANTIN	447 L	0774	AFG	KABUL	0774	-
1788	-	-	ALAD	G.C.HANTIN	455 L	0774	AFG	HERAT	0774	-
1789	-	-	ALAD	G.C.HANTIN	471 L	0774	AFG	HERAT	0774	-
1790	-	-	ALAD	G.C.HANTIN	481 L	0774	AFG	HERAT	0774	-
1791	-	-	ALAD	G.C.HANTIN	490 L	0774	AFG	HERAT	0774	-
1792	-	-	ALAD	G.C.HANTIN	491 L	0774	AFG	HERAT	0774	-
1793	-	-	ALAD	G.C.HANTIN	494 L	0774	AFG	HERAT	0774	-
1794	-	-	ALAD	G.C.HANTIN	498 L	0774	AFG	HERAT	0774	-
1795	-	-	ALAD	G.C.HANTIN	508 L	0774	AFG	HERAT	0774	-
1796	-	-	ALAD	G.C.HANTIN	513 L	0774	AFG	HERAT	0774	-
1797	-	-	ALAD	G.C.HANTIN	538 L	0774	AFG	BALA MURGHAB	0774	-
1798	-	-	ALAD	G.C.HANTIN	558 L	0774	AFG	CHECHACTO	0774	-
1799	-	-	ALAD	G.C.HANTIN	568 L	0774	AFG	QAISAR	0774	-
1800	-	-	ALAD	G.C.HANTIN	569 L	0774	AFG	QAISAR	0774	-
1801	-	-	ALAD	G.C.HANTIN	572 L	0774	AFG	ZAAFRAN	0774	-
1802	-	-	ALAD	G.C.HANTIN	575 L	0774	AFG	CHECHACTO	0774	-
1803	-	-	ALAD	G.C.HANTIN	577 L	0774	AFG	QAISAR	0774	-
1804	-	-	ALAD	G.C.HANTIN	590 L	0774	AFG	MAIMANA	0774	-
1805	-	-	ALAD	G.C.HANTIN	592 L	0774	AFG	MAIMANA	0774	-
1806	-	-	ALAD	G.C.HANTIN	593 L	0774	AFG	MAIMANA	0774	-
1807	-	-	ALAD	G.C.HANTIN	594 L	0774	AFG	MAIMANA	0774	-
1808	-	-	ALAD	G.C.HANTIN	598 L	0774	AFG	MAIMANA	0774	-
1809	-	-	ALAD	G.C.HANTIN	600 L	0774	AFG	MAIMANA	0774	-
1810	-	-	ALAD	G.C.HANTIN	604 L	0774	AFG	MAIMANA	0774	-
1811	-	-	ALAD	G.C.HANTIN	629 L	0774	AFG	HAZAR-I-SHARIFF	0774	-
1812	-	-	ALAD	G.C.HANTIN	642 L	0774	AFG	HAZAR-I-SHARIFF	0774	-
1813	-	-	ALAD	G.C.HANTIN	647 L	0774	AFG	HAZAR-I-SHARIFF	0774	-
1814	-	-	ALAD	G.C.HANTIN	649 L	0774	AFG	HAZAR-I-SHARIFF	0774	-
1815	-	-	ALAD	G.C.HANTIN	652 L	0774	AFG	HAZAR-I-SHARIFF	0774	-
1816	-	-	ALAD	G.C.HANTIN	658 L	0774	AFG	HAZAR-I-SHARIFF	0774	-
1817	-	-	ALAD	G.C.HANTIN	662 L	0774	AFG	HAZAR-I-SHARIFF	0774	-
1818	-	-	ALAD	G.C.HANTIN	673 L	0774	AFG	HAZAR-I-SHARIFF	0774	-
1819	-	-	ALAD	G.C.HANTIN	677 L	0774	AFG	SHOORTEPA	0774	-
1820	-	-	ALAD	G.C.HANTIN	683 L	0774	AFG	HAZAR-I-SHARIFF	0774	-

ILL	Dan Org	Dan No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
1821	-	-	ALAD G.C.HAWTIN	718 L	0774 AFG	KHOLUJ	0774 -
1822	-	-	ALAD G.C.HAWTIN	748 L	0774 AFG	CHAHAB	0774 -
1823	-	-	ALAD G.C.HAWTIN	856 L	0774 AFG	BARAK	0774 -
1824	-	-	ALAD G.C.HAWTIN	868 L	0774 *	-	0774 *
1825	SANT	1001	SANT C.CAFATI	1001	-	CHL	0974 -
1826	SANT	1002	SANT C.CAFATI	1002	-	CHL	0974 -
1827	SANT	1002	SANT C.CAFATI	1002	-	CHL	0974 -
1828	SANT	1014	SANT C.CAFATI	1014	-	CHL	0974 -
1829	SANT	1028	SANT C.CAFATI	1028	-	CHL	0974 -
1830	SANT	1048	SANT C.CAFATI	1048	-	CHL	0974 -
1831	SANT	1216	SANT C.CAFATI	1216	-	CHL	0974 -
1832	SANT	1220	SANT C.CAFATI	1220	-	CHL	0974 -
1833	SANT	1221	SANT C.CAFATI	1221	-	CHL	0974 -
1834	SANT	1222	SANT C.CAFATI	1222	-	CHL	0974 -
1835	SANT	1223	SANT C.CAFATI	1223	-	CHL	0974 -
1836	SANT	2060	SANT C.CAFATI	2060	-	CHL	0974 -
1837	SANT	2066	SANT C.CAFATI	2066	-	CHL	0974 -
1838	SANT	2075	SANT C.CAFATI	2075	-	CHL	0974 -
1839	SANT	3003	SANT C.CAFATI	3003	-	CHL	0974 -
1840	SANT	3005	SANT C.CAFATI	3005	-	CHL	0974 -
1841	SANT	3007	SANT C.CAFATI	3007	-	CHL	0974 -
1842	SANT	3008	SANT C.CAFATI	3008	-	CHL	0974 -
1843	SANT	3010	SANT C.CAFATI	3010	-	CHL	0974 -
1844	SANT	3015	SANT C.CAFATI	3015	-	CHL	0974 -
1845	SANT	3016	SANT C.CAFATI	3016	-	CHL	0974 -
1846	SANT	3017	SANT C.CAFATI	3017	-	CHL	0974 -
1847	SANT	3022	SANT C.CAFATI	3022	-	CHL	0974 -
1848	SANT	3023	SANT C.CAFATI	3023	-	CHL	0974 -
1849	SANT	3024	SANT C.CAFATI	3024	-	CHL	0974 -
1850	SANT	4100	SANT C.CAFATI	4100	-	CHL	0974 -
1851	SANT	6138	SANT C.CAFATI	6138	-	CHL	0974 -
1852	SANT	6139	SANT C.CAFATI	6139	-	CHL	0974 -
1853	SANT	6140	SANT C.CAFATI	6140	-	CHL	0974 -
1854	SANT	6141	SANT C.CAFATI	6141	-	CHL	0974 -
1855	-	-	ALAD M.SOLH	3 L	1174 YEM	SANAA	1174 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
1856	-	-	ALAD M.SOLH	7 L	1274 YEM	SANAA	1274 -
1857	-	-	ALAD M.SOLH	15 L	1274 YEM	SANAA	1274 -
1858	-	-	ALAD M.SOLH	-	1274 YEM	SANAA	1274 -
1859	-	-	ALAD G.C.HAWTIN	-	0175 ETH	DEBRE ZEIT	0175 -
1860	-	-	ALAD L.R.HOUSE	-	-	AWASH	0275 -
1861	-	-	ALAD G.C.HAWTIN	SILAIM	0375 SDN	HUDEIBA	0375 -
1862	-	-	ALAD K.RASHID	-	0575 SYR	ALEPPO	0575 *
1863	-	-	ALAD K.RASHID	-	0575 SYR	ALEPPO	0575 *
1864	-	-	ALAD K.RASHID	-	0575 SYR	ALEPPO	0575 *
1865	-	-	ALAD K.RASHID	-	0575 SYR	ALEPPO	0575 *
1866	-	-	ALAD K.RASHID	-	0575 SYR	ALEPPO	0575 *
1867	-	-	ALAD K.RASHID	-	0575 SYR	JISIR AL SHUGHUR	0575 -
1868	-	-	ALAD K.RASHID	-	0575 SYR	HAMA	0575 -
1869	-	-	ALAD K.RASHID	-	0575 SYR	-	0575 -
1870	-	-	ALAD -	-	0875 JOR	-	0875 *
1871	ICRISAT	JM 2067A	ICRISAT VAN DER MAESEN	JM 2067A	-	TUR	0775 -
1872	ICRISAT	JM 2081	ICRISAT VAN DER MAESEN	JM 2081	-	TUR	0775 -
1873	ICRISAT	JM 2099	ICRISAT VAN DER MAESEN	JM 2099	-	TUR	0775 -
1874	ICRISAT	JM 2104	ICRISAT VAN DER MAESEN	JM 2104	-	TUR	0775 -
1875	ICRISAT	JM 2114	ICRISAT VAN DER MAESEN	JM 2114	-	TUR	0775 -
1876	ICRISAT	JM 2231	ICRISAT VAN DER MAESEN	JM 2231	-	AFG	0975 -
1877	ANK	KISLIK PULL 11	ANK D.ESER	60L 11	-	TUR	1175 -
1878	ANK	KISLIK YESIL 21	ANK D.ESER	60L 21	-	TUR	1175 -
1879	ANK	KISLIK YESIL 31	ANK D.ESER	60L 31	-	TUR	1175 -
1880	ANK	KISLIK KIRMEZ 51	ANK D.ESER	60L 51	-	TUR	1175 -
1881	-	-	ALAD Y.ADHAM	LEBANESE LINE 19	-	LBN	1076 -
1882	-	-	ALAD Y.ADHAM	LEBANESE LINE 20	-	LBN	1076 -
1883	-	-	ALAD Y.ADHAM	IRAQI	-	IRQ	1076 -
1884	-	-	ALAD Y.ADHAM	-	-	JOR	1076 -
1885	-	-	ALAD Y.ADHAM	KURDI	-	SYR	1076 -
1886	-	-	ALAD Y.ADHAM	FAO YESIL MERICMEK	-	TUR	1076 -
1887	-	-	ALAD Y.ADHAM	SYRIAN LOCAL	-	SYR	1076 -
1888	-	-	ALAD Y.ADHAM	HURANI LENTIL	-	SYR	1076 -
1889	-	-	ALAD G.C.HAWTIN	-	-	TUN	1076 -
1890	-	-	ALAD G.C.HAWTIN	-	-	TUN	1176 -

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
1891	-	-	ALAD	G.C.HAWTIN	-	TUN	1176 -
1892	ICRISAT	JM 2534	ICRISAT VAN DER MAESEN	JM 2534	-	AFG SHAR KHAWAT	1176 *
1893	ICRISAT	JM 2559	ICRISAT VAN DER MAESEN	JM 2559	-	AFG ZON HUDION	1176 *
1894	ICRISAT	JM 84	ICRISAT VAN DER MAESEN	JM 84	-	AFG KOTALE-KERMAN	1176 -
1895	-	-	ALAD	RASHID\HAWTIN	-	SYR IDLIB	0177 -
1896	-	-	ALAD	RASHID\HAWTIN	-	SYR IDLIB	0177 -
1897	-	-	ALAD	RASHID\HAWTIN	-	SYR SHALEKH	0177 -
1898	-	-	ALAD	RASHID\HAWTIN	-	SYR HOMS	0177 *
1899	-	-	ALAD	RASHID\HAWTIN	-	SYR HOMS	0177 *
1900	-	-	ALAD	RASHID\HAWTIN	-	SYR LATAKIA	0177 -
1901	-	-	ALAD	RASHID\HAWTIN	-	SYR HOMS	0177 -
1902	-	-	ALAD	RASHID\HAWTIN	-	SYR HOMS	0177 -
1903	-	-	ALAD	RASHID\HAWTIN	-	SYR IDLIB	0177 -
1904	WRPIS	PI 169517	-	-	-	TUR	0577 -
1905	WRPIS	PI 169518	-	-	-	TUR	0577 -
1906	WRPIS	173917	-	-	-	IND	0577 -
1907	WRPIS	175757	-	-	-	TUR	0577 -
1908	WRPIS	176609	-	-	-	TUR	0577 -
1909	WRPIS	176609	-	-	-	TUR	0577 -
1910	WRPIS	178954	-	-	-	TUR	0577 -
1911	WRPIS	178954	-	-	-	TUR	0577 -
1912	WRPIS	PI 179312	-	-	-	TUR	0577 -
1913	WRPIS	PI 179312	-	-	-	TUR	0577 -
1914	WRPIS	PI 182212	-	-	-	TUR	0577 -
1915	WRPIS	PI 185602	-	-	-	EGY	0577 -
1916	WRPIS	PI 193545	-	-	-	ETH	0577 -
1917	WRPIS	PI 193545	-	-	-	ETH	0577 -
1918	WRPIS	PI 283604	-	-	-	AUS	0577 -
1919	WRPIS	PI 289070	-	-	-	HUN	0577 -
1920	WRPIS	PI 289077	-	-	-	HUN	0577 -
1921	WRPIS	PI 290716	-	-	-	GBR	0577 -
1922	WRPIS	PI 297286	-	-	-	ARG	0577 -
1923	WRPIS	PI 298025	-	-	-	TUR	0577 -
1924	WRPIS	PI 299165	-	-	-	CHL	0577 -
1925	WRPIS	PI 299167	-	-	-	CHL	0577 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	Rdat Ind
1926	WRPIS	PI 299171	-	-	-	CHL	0577 -
1927	WRPIS	PI 299236	-	-	-	CHL	0577 -
1928	WRPIS	PI 299295	-	-	-	CHL	0577 -
1929	WRPIS	PI 368645	-	-	-	YUG	0577 -
1930	WRPIS	PI 368646	-	-	-	YUG	0577 -
1931	WRPIS	PI 368648	-	-	-	YUG	0577 -
1932	WRPIS	PI 368649	-	-	-	YUG	0577 -
1933	WRPIS	PI 368650	-	-	-	YUG	0577 -
1934	WRPIS	PI 368650	-	-	-	YUG	0577 -
1935	WRPIS	PI 368651	-	-	-	YUG	0577 -
1936	WRPIS	PI 374116	-	-	-	MAR	0577 -
1937	WRPIS	PI 374117	-	-	-	MAR	0577 -
1938	WRPIS	PI 374117	-	-	-	MAR	0577 -
1939	WRPIS	PI 374118	-	-	-	MAR	0577 -
1940	WRPIS	PI 374119	-	-	-	MAR	0577 -
1941	WRPIS	PI 374120	-	-	-	MAR	0577 -
1942	WRPIS	PI 374121	-	-	-	MAR	0577 -
1943	WRPIS	PI 374121	-	-	-	MAR	0577 -
1944	WRPIS	PI 379368	-	-	-	YUG	0577 -
1945	WRPIS	PI 379369	-	-	-	YUG	0577 -
1946	WRPIS	PI 379370	-	-	-	YUG	0577 -
1947	WRPIS	PI 379371	-	-	-	YUG	0577 -
1948	WRPIS	PI 379371	-	-	-	YUG	0577 -
1949	WRPIS	PI 379372	-	-	-	YUG	0577 -
1950	WRPIS	PI 380890	-	-	-	YUG	0577 -
1951	WRPIS	PI 380891	-	-	-	IRN	0577 -
1952	WRPIS	PI 380892	-	-	-	IRN	0577 -
1953	WRPIS	PI 380893	-	-	-	IRN	0577 -
1954	WRPIS	PI 380894	-	-	-	IRN	0577 -
1955	WRPIS	PI 383682	-	-	-	TUR	0577 -
1956	DZ	EL 84	DZ	EL 84	-	ETH	0177 -
1957	DZ	EL 94	DZ	EL 94	-	ETH	0177 -
1958	DZ	EL 101	DZ	EL 101	-	ETH	0177 -
1959	DZ	EL 102	DZ	EL 102	-	ETH	0177 -
1960	DZ	EL 102	DZ	EL 102	-	ETH	0177 -

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
1961	DZ	EL 103	-	EL 103	-	ETH -	0177 -
1962	DZ	EL 118	-	EL 118	-	ETH -	0177 -
1963	DZ	EL 118	-	EL 118	-	ETH -	0177 -
1964	DZ	EL 122	-	EL 122	-	ETH -	0177 -
1965	DZ	EL 136	-	EL 136	-	ETH -	0177 -
1966	DZ	EL 144	-	EL 144	-	ETH -	0177 -
1967	DZ	L 253	-	L 253	-	ETH -	0577 -
1968	DZ	L 256	-	L 256	-	ETH -	0577 -
1969	DZ	L 279	-	L 279	-	ETH -	0577 -
1970	DZ	L 280	-	L 280	-	ETH -	0577 -
1971	DZ	L 285	-	L 285	-	ETH -	0577 -
1972	DZ	L 291	-	L 291	-	ETH -	0577 -
1973	DZ	L 303	-	L 303	-	ETH -	0577 -
1974	DZ	L 303	-	L 303	-	ETH -	0577 -
1975	DZ	L 312	-	L 312	-	ETH -	0577 -
1976	DZ	L 325	-	L 325	-	ETH -	0577 -
1977	DZ	L 333	-	L 333	-	ETH -	0577 -
1978	DZ	L 333	-	L 333	-	ETH -	0577 -
1979	DZ	L 379	-	L 379	-	ETH -	0577 -
1980	DZ	L 379	-	L 379	-	ETH -	0577 -
1981	DZ	L 382	-	L 382	-	ETH -	0577 -
1982	DZ	L 528	-	L 528	-	ETH -	0577 -
1983	DZ	L 528 (75)	-	L 528(75)	-	ETH -	0577 -
1984	DZ	L 529	-	L 529	-	ETH -	0577 -
1985	DZ	L 529	-	L 529	-	ETH -	0577 -
1986	DZ	L 539	-	L 539	-	ETH -	0577 -
1987	DZ	L 577	-	L 577	-	ETH -	0577 -
1988	DZ	L 637	-	L 637	-	ETH -	0577 -
1989	DZ	L 637	-	L 637	-	ETH -	0577 -
1990	DZ	L 646	-	L 646	-	ETH -	0577 -
1991	DZ	L 770-A	-	L 770	-	ETH -	0577 -
1992	DZ	L 770-A	-	L 770	-	ETH -	0577 -
1993	DZ	L 778	-	L 778	-	ETH -	0577 -
1994	DZ	L 782-C	-	L 782	-	ETH -	0577 -
1995	DZ	L 782-C	-	L 782	-	ETH -	0577 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisfree)	CDat Cou	Province or Town	RDat Ind
1996	DZ	L 786	DZ	L 786	-	ETH -	0577 -
1997	DZ	L 786	DZ	L 786	-	ETH -	0577 -
1998	DZ	L 791	DZ	L 791	-	ETH -	0577 -
1999	DZ	L 807	DZ	L 807	-	ETH -	0577 -
2000	DZ	L 807	DZ	L 807	-	ETH -	0577 -
2001	DZ	L 829	DZ	L 829	-	ETH -	0577 -
2002	DZ	L 829	DZ	L 829	-	ETH -	0577 -
2003	DZ	L 838	DZ	L 838	-	ETH -	0577 -
2004	DZ	L 846	DZ	L 846	-	ETH -	0577 -
2005	DZ	L 846	DZ	L 846	-	ETH -	0577 -
2006	DZ	L 848	DZ	L 848	-	ETH -	0577 -
2007	DZ	L 857	DZ	L 857	-	ETH -	0577 -
2008	DZ	L 866	DZ	L 866	-	ETH -	0577 -
2009	DZ	L 867	DZ	L 867	-	ETH -	0577 -
2010	DZ	L 886	DZ	L 886	-	ETH -	0577 -
2011	DZ	L 924	DZ	L 924	-	ETH -	0577 -
2012	DZ	L 924	DZ	L 924	-	ETH -	0577 -
2013	DZ	L 950	DZ	L 950	-	ETH -	0577 -
2014	DZ	L 961	DZ	L 961	-	ETH -	0577 -
2015	DZ	L 981	DZ	L 981	-	ETH -	0577 -
2016	DZ	L 1042	DZ	L 1042	-	ETH -	0577 -
2017	DZ	L 1046	DZ	L 1046	-	ETH -	0577 -
2018	DZ	L 1047	DZ	L 1047	-	ETH -	0577 -
2019	DZ	L 1050-A	DZ	L 1050	-	ETH -	0577 -
2020	DZ	L 1051	DZ	L 1051	-	ETH -	0577 -
2021	DZ	L 1052	DZ	L 1052	-	ETH -	0577 -
2022	DZ	L 1057	DZ	L 1057	-	ETH -	0577 -
2023	DZ	L 1059	DZ	L 1059	-	ETH -	0577 -
2024	DZ	L 1064	DZ	L 1064	-	ETH -	0577 -
2025	DZ	L 1082	DZ	L 1082	-	ETH -	0577 -
2026	DZ	L 1097	DZ	L 1097	-	ETH -	0577 -
2027	DZ	L 1130	DZ	L 1130	-	ETH -	0577 -
2028	DZ	L 1131	DZ	L 1131	-	ETH -	0577 -
2029	DZ	L 1143	DZ	L 1143	-	ETH -	0577 -
2030	DZ	L 1200	DZ	L 1200	-	ETH -	0577 -

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedigree)	CDat	Cou	Province or Town	RDat	Ind
2031	DZ	L 1200	DZ	-	L 1200	-	ETH	-	0577	-
2032	DZ	L 1202	DZ	-	L 1202	-	ETH	-	0577	-
2033	DZ	L 1202	DZ	-	L 1202	-	ETH	-	0577	-
2034	DZ	L 1203	DZ	-	L 1203	-	ETH	-	0577	-
2035	DZ	L 1207	DZ	-	L 1207	-	ETH	-	0577	-
2036	DZ	L 1207	DZ	-	L 1207	-	ETH	-	0577	-
2037	DZ	L 1208	DZ	-	L 1208	-	ETH	-	0577	-
2038	DZ	L 1236	DZ	-	L 1236	-	ETH	-	0577	-
2039	DZ	L 1240	DZ	-	L 1240	-	ETH	-	0577	-
2040	DZ	L 1241	DZ	-	L 1241	-	ETH	-	0577	-
2041	DZ	L 1241	DZ	-	L 1241	-	ETH	-	0577	-
2042	DZ	L 1242	DZ	-	L 1242	-	ETH	-	0577	-
2043	DZ	L 1244	DZ	-	L 1244	-	ETH	-	0577	-
2044	DZ	L 1244	DZ	-	L 1244	-	ETH	-	0577	-
2045	DZ	L 1245	DZ	-	L 1245	-	ETH	-	0577	-
2046	DZ	L 1263	DZ	-	L 1263	-	ETH	-	0577	-
2047	DZ	L 1265	DZ	-	L 1265	-	ETH	-	0577	-
2048	DZ	L 1268	DZ	-	L 1268	-	ETH	-	0577	-
2049	DZ	L 1277	DZ	-	L 1277	-	ETH	-	0577	-
2050	DZ	L 1283	DZ	-	L 1283	-	ETH	-	0577	-
2051	DZ	L 1284	DZ	-	L 1284	-	ETH	-	0577	-
2052	DZ	L 1285	DZ	-	L 1285	-	ETH	-	0577	-
2053	DZ	L 1285	DZ	-	L 1285	-	ETH	-	0577	-
2054	DZ	L 1287	DZ	-	L 1287	-	ETH	-	0577	-
2055	DZ	L 1290	DZ	-	L 1290	-	ETH	-	0577	-
2056	DZ	L 1290	DZ	-	L 1290	-	ETH	-	0577	-
2057	DZ	L 1291	DZ	-	L 1291	-	ETH	-	0577	-
2058	DZ	L 1291	DZ	-	L 1291	-	ETH	-	0577	-
2059	DZ	L 1309	DZ	-	L 1309	-	ETH	-	0577	-
2060	DZ	L 1310	DZ	-	L 1310	-	ETH	-	0577	-
2061	DZ	L 1320	DZ	-	L 1320	-	ETH	-	0577	-
2062	DZ	L 1320	DZ	-	L 1320	-	ETH	-	0577	-
2063	DZ	L 1321	DZ	-	L 1321	-	ETH	-	0577	-
2064	DZ	L 1322	DZ	-	L 1322	-	ETH	-	0577	-
2065	DZ	L 1323	DZ	-	L 1323	-	ETH	-	0577	-

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
2066	DZ	L 1324	DZ	L 1324	-	ETH -	0577 -
2067	DZ	L 1325	DZ	L 1325	-	ETH -	0577 -
2068	DZ	L 1326	DZ	L 1326	-	ETH -	0577 -
2069	DZ	L 1327	DZ	L 1327	-	ETH -	0577 -
2070	DZ	L 1328	DZ	L 1328	-	ETH -	0577 -
2071	DZ	L 1351	DZ	L 1351	-	ETH -	0577 -
2072	DZ	L 1365	DZ	L 1365	-	ETH -	0577 -
2073	DZ	L 1391	DZ	L 1391	-	ETH -	0577 -
2074	DZ	L 1683	DZ	L 1683	-	ETH -	0577 -
2075	DZ	L 1819	DZ	L 1819	-	ETH -	0577 -
2076	DZ	L 1820	DZ	L 1820	-	ETH -	0577 -
2077	DZ	L 2579	DZ	L 2579	-	ETH -	0577 -
2078	DZ	L 2579	DZ	L 2579	-	ETH -	0577 -
2079	DZ	L 2580	DZ	L 2580	-	ETH -	0577 -
2080	DZ	L 2580	DZ	L 2580	-	ETH -	0577 -
2081	DZ	L 2581	DZ	L 2581	-	ETH -	0577 -
2082	DZ	L 2582	DZ	L 2582	-	ETH -	0577 -
2083	DZ	L 2583	DZ	L 2583	-	ETH -	0577 -
2084	DZ	L 2588	DZ	L 2588	-	ETH -	0577 -
2085	DZ	L 2589	DZ	L 2589	-	ETH -	0577 -
2086	DZ	L 2595 (75)	DZ	L 2595 (75)	-	ETH -	0577 -
2087	DZ	L 2596	DZ	L 2596	-	ETH -	0577 -
2088	DZ	L 2598	DZ	L 2598	-	ETH -	0577 -
2089	DZ	L 2599	DZ	L 2599	-	ETH -	0577 -
2090	DZ	L 2600	DZ	L 2600	-	ETH -	0577 -
2091	DZ	L 2601 (75)	DZ	L 2601 (75)	-	ETH -	0577 -
2092	DZ	L 2604	DZ	L 2604	-	ETH -	0577 -
2093	DZ	L 2608	DZ	L 2608	-	ETH -	0577 -
2094	DZ	L 2609	DZ	L 2609	-	ETH -	0577 -
2095	DZ	L 2674-S	DZ	L 2674	-	ETH -	0577 -
2096	DZ	L 2675	DZ	L 2675	-	ETH -	0577 -
2097	DZ	L 2676	DZ	L 2676	-	ETH -	0577 -
2098	DZ	L 2678	DZ	L 2678	-	ETH -	0577 -
2099	DZ	L 2679	DZ	L 2679	-	ETH -	0577 -
2100	DZ	L 2680	DZ	L 2680	-	ETH -	0577 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
2101	DZ	L 2682	DZ	L 2682	-	ETH	0577 -
2102	DZ	L 2683	-	L 2683	-	ETH	0577 -
2103	DZ	L 2684	-	L 2684	-	ETH	0577 -
2104	DZ	L 2686	-	L 2686	-	ETH	0577 -
2105	DZ	L 2686	-	L 2686	-	ETH	0577 -
2106	DZ	L 2687	-	L 2687	-	ETH	0577 -
2107	DZ	L 2687	-	L 2687	-	ETH	0577 -
2108	DZ	L 2688	-	L 2688	-	ETH	0577 -
2109	DZ	L 2690	-	L 2690	-	ETH	0577 -
2110	DZ	L 2692	-	L 2692	-	ETH	0577 -
2111	DZ	L 2693	-	L 2693	-	ETH	0577 -
2112	DZ	L 2694	-	L 2694	-	ETH	0577 -
2113	DZ	L 2697	-	L 2697	-	ETH	0577 -
2114	DZ	L 2697	-	L 2697	-	ETH	0577 -
2115	DZ	L 2698	-	L 2698	-	ETH	0577 -
2116	DZ	L 2721	-	L 2721	-	ETH	0577 -
2117	DZ	L 2722	-	L 2722	-	ETH	0577 -
2118	DZ	L 2724	-	L 2724	-	ETH	0577 -
2119	-	6607	ICARDA CRAWFORD\BULL	6607	-	SYR ALEPPO	0777 *
2120	-	6711	ICARDA CRAWFORD\BULL	6711	-	SYR ALEPPO	0777 *
2121	-	6711	ICARDA CRAWFORD\BULL	6711	-	SYR ALEPPO	0777 *
2122	-	6717	ICARDA CRAWFORD\BULL	6717	-	SYR ALEPPO	0777 *
2123	DUMA	FOREIGN 1	-	SEL NO. 6	-	SYR	0977 -
2124	DUMA	FOREIGN 2	-	SEL NO. 20	-	SYR	0977 -
2125	DUMA	HAMAWE RED	DUMA	HAMAWE RED	-	SYR	0977 -
2126	DUMA	KURDI 1	DUMA	KURDI 1	-	SYR	0977 -
2127	DUMA	KURDI 2	DUMA	KURDI 2	-	SYR	0977 -
2128	DUMA	KURDI 3	DUMA	KURDI 3	-	SYR	0977 -
2129	DUMA	HAMAWE WHITE	DUMA	HAMAWE WHITE	-	SYR	0977 -
2130	DUMA	HURANI 1	DUMA	HURANI 1	-	SYR	0977 -
2131	DUMA	HURANI 2	DUMA	HURANI 2	-	SYR	0977 -
2132	WAGN	W.P. 2861 A	WAGN	W.P. 2861 A	-	ETH DILOR	0877 -
2133	WAGN	W.P. 2861 B	WAGN	W.P. 2861 B	-	ETH KOLITO	0877 -
2134	WAGN	W.P. 3281 B	WAGN	W.P. 3281 B	-	ETH JIMA	0877 -
2135	WAGN	W.P. 4994	WAGN	W.P. 4994	-	ETH GONDAR	0877 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
2136	-	JM 2756	ALAD G.C.HAWTIN	JM 2756	-	TUR OSHANIYE	0877 *
2137	-	JM 2756	ALAD G.C.HAWTIN	JM 2756	-	TUR OSHANIYE	0877 *
2138	-	JM 2756	ALAD G.C.HAWTIN	JM 2756	-	TUR OSHANIYE	0877 *
2139	-	JM 2756	ALAD G.C.HAWTIN	JM 2756	-	TUR OSHANIYE	0877 *
2140	-	JM 2756	ALAD G.C.HAWTIN	JM 2756	-	TUR OSHANIYE	0877 *
2141	-	JM 2756	ALAD G.C.HAWTIN	JM 2756	-	TUR OSHANIYE	0877 *
2142	INIAP	INTRODUCTION 2	-	-	-	-	0977 -
2143	INIAP	INTRODUCTION 4	-	-	-	-	0977 -
2144	INIAP	INTRODUCTION 5	-	-	-	-	0977 -
2145	INIAP	INTRODUCTION 7	-	-	-	-	0977 -
2146	INIAP	INTRODUCTION 13	-	-	-	-	0977 -
2147	INIAP	INTRODUCTION 14	-	-	-	-	0977 -
2148	-	FROM ILL 14	-	-	-	JOR -	0977 -
2149	-	FROM ILL 17	-	-	-	JOR -	0977 -
2150	-	FROM ILL 20	-	-	-	JOR -	0977 -
2151	-	FROM ILL 21	-	-	-	JOR -	0977 -
2152	-	FROM ILL 54	-	-	-	IRQ -	0977 -
2153	-	FROM ILL 56	-	-	-	IRQ -	0977 -
2154	-	FROM ILL 57	-	-	-	IRQ -	0977 -
2155	-	FROM ILL 58	-	-	-	IRQ -	0977 -
2156	-	FROM ILL 60	-	-	-	IRQ -	0977 -
2157	-	FROM ILL 62	-	-	-	IRQ -	0977 -
2158	-	FROM ILL 63	-	-	-	IRN -	0977 -
2159	-	FROM ILL 65	-	-	-	IRN -	0977 -
2160	-	FROM ILL 66	-	-	-	IRN -	0977 -
2161	-	FROM ILL 67	-	-	-	IRN -	0977 -
2162	-	FROM ILL 69	-	-	-	CYP -	0977 -
2163	-	FROM ILL 74	-	-	-	CHL -	0977 -
2164	-	FROM ILL 75	-	-	-	CHL -	0977 -
2165	-	FROM ILL 77	-	-	-	CHL -	0977 -
2166	-	FROM ILL 78	-	-	-	CHL -	0977 -
2167	-	FROM ILL 117	-	-	-	TUR -	0977 -
2168	-	FROM ILL 122	-	-	-	TUR -	0977 -
2169	-	FROM ILL 133	-	-	-	TUR -	0977 -
2170	-	FROM ILL 154	-	-	-	TUR -	0977 -

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
2171	-	FROM ILL 155	-	-	-	TUR	-	0977 -
2172	-	FROM ILL 160	-	-	-	TUR	-	0977 -
2173	-	FROM ILL 162	-	-	-	TUR	-	0977 -
2174	-	FROM ILL 163	-	-	-	TUR	-	0977 -
2175	-	FROM ILL 165	-	-	-	TUR	-	0977 -
2176	-	FROM ILL 169	-	-	-	TUR	-	0977 -
2177	-	FROM ILL 170	-	-	-	TUR	-	0977 -
2178	-	FROM ILL 176	-	-	-	TUR	-	0977 -
2179	-	FROM ILL 178	-	-	-	TUR	-	0977 -
2180	-	FROM ILL 180	-	-	-	TUR	-	0977 -
2181	-	FROM ILL 182	-	-	-	TUR	-	0977 -
2182	-	FROM ILL 194	-	-	-	SYR	-	0977 -
2183	-	FROM ILL 203	-	-	-	ETH	-	0977 -
2184	-	FROM ILL 204	-	-	-	ETH	-	0977 -
2185	-	FROM ILL 206	-	-	-	ETH	-	0977 -
2186	-	FROM ILL 222	-	-	-	PAK	-	0977 -
2187	-	FROM ILL 226	-	-	-	PAK	-	0977 -
2188	-	FROM ILL 227	-	-	-	PAK	-	0977 -
2189	-	FROM ILL 231	-	-	-	PAK	-	0977 -
2190	-	FROM ILL 234	-	-	-	IRN	-	0977 -
2191	-	FROM ILL 237	-	-	-	SUN	-	0977 -
2192	-	FROM ILL 243	-	-	-	IRN	-	0977 -
2193	-	FROM ILL 244	-	-	-	PAK	-	0977 -
2194	-	FROM ILL 246	-	-	-	PAK	-	0977 -
2195	-	FROM ILL 246	-	-	-	PAK	-	0977 -
2196	-	FROM ILL 261	-	-	-	HUN	-	0977 -
2197	-	FROM ILL 266	-	-	-	PAK	-	0977 -
2198	-	FROM ILL 267	-	-	-	PAK	-	0977 -
2199	-	FROM ILL 288	-	-	-	GRC	-	0977 -
2200	-	FROM ILL 290	-	-	-	GRC	-	0977 -
2201	-	FROM ILL 292	-	-	-	GRC	-	0977 -
2202	-	FROM ILL 297	-	-	-	GRC	-	0977 -
2203	-	FROM ILL 337	-	-	-	EDY	-	0977 -
2204	-	FROM ILL 346	-	-	-	MEX	-	0977 -
2205	-	FROM ILL 349	-	-	-	MEX	-	0977 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	Cdat Cou	Province or Town	Rdat Ind
2206	-	FROM ILL 387	-	-	-	CHL -	0977 -
2207	-	FROM ILL 419	-	-	-	CHL -	0977 -
2208	-	FROM ILL 428	-	-	-	CHL -	0977 -
2209	-	FROM ILL 435	-	-	-	CHL -	0977 -
2210	-	FROM ILL 442	-	-	-	CHL -	0977 -
2211	-	FROM ILL 456	-	-	-	CHL -	0977 -
2212	-	FROM ILL 472	-	-	-	SYR -	0977 -
2213	-	FROM ILL 475	-	-	-	SYR -	0977 -
2214	-	FROM ILL 483	-	-	-	LBN -	0977 -
2215	-	FROM ILL 489	-	-	-	SYR -	0977 -
2216	-	FROM ILL 490	-	-	-	SYR -	0977 -
2217	-	FROM ILL 510	-	-	-	AFG -	0977 -
2218	-	FROM ILL 515	-	-	-	SUN -	0977 -
2219	-	FROM ILL 538	-	-	-	TUR -	0977 -
2220	-	FROM ILL 543	-	-	-	TUR -	0977 -
2221	-	FROM ILL 545	-	-	-	TUR -	0977 -
2222	-	FROM ILL 549	-	-	-	TUR -	0977 -
2223	-	FROM ILL 561	-	-	-	TUR -	0977 -
2224	-	FROM ILL 563	-	-	-	TUR -	0977 -
2225	-	FROM ILL 565	-	-	-	TUR -	0977 -
2226	-	FROM ILL 570	-	-	-	TUR -	0977 -
2227	-	FROM ILL 607	-	-	-	SUN -	0977 -
2228	-	FROM ILL 615	-	-	-	SUN -	0977 -
2229	-	FROM ILL 620	-	-	-	SUN -	0977 -
2230	-	FROM ILL 624	-	-	-	YUG -	0977 -
2231	-	FROM ILL 625	-	-	-	YUG -	0977 -
2232	-	FROM ILL 634	-	-	-	TUR -	0977 -
2233	-	FROM ILL 636	-	-	-	TUR -	0977 -
2234	-	FROM ILL 641	-	-	-	TUR -	0977 -
2235	-	FROM ILL 643	-	-	-	TUR -	0977 -
2236	-	FROM ILL 652	-	-	-	TUR -	0977 -
2237	-	FROM ILL 676	-	-	-	TUR -	0977 -
2238	-	FROM ILL 679	-	-	-	TUR -	0977 -
2239	-	FROM ILL 682	-	-	-	TUR -	0977 -
2240	-	FROM ILL 689	-	-	-	TUR -	0977 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
2241	-	FROM ILL 704	-	-	-	HUN	0977 -
2242	-	FROM ILL 725	-	-	-	HUN	0977 -
2243	-	FROM ILL 726	-	-	-	HUN	0977 -
2244	-	FROM ILL 728	-	-	-	IRN	0977 -
2245	-	FROM ILL 731	-	-	-	IRN	0977 -
2246	-	FROM ILL 736	-	-	-	IRN	0977 -
2247	-	FROM ILL 744	-	-	-	IRN	0977 -
2248	-	FROM ILL 745	-	-	-	IRN	0977 -
2249	-	FROM ILL 748	-	-	-	IRN	0977 -
2250	-	FROM ILL 749	-	-	-	IRN	0977 -
2251	-	FROM ILL 750	-	-	-	IRN	0977 -
2252	-	FROM ILL 751	-	-	-	IRN	0977 -
2253	-	FROM ILL 752	-	-	-	LBN	0977 -
2254	-	FROM ILL 753	-	-	-	IRN	0977 -
2255	-	FROM ILL 754	-	-	-	IRN	0977 -
2256	-	FROM ILL 755	-	-	-	IRN	0977 -
2257	-	FROM ILL 756	-	-	-	IRN	0977 -
2258	-	FROM ILL 758	-	-	-	IRN	0977 -
2259	-	FROM ILL 761	-	-	-	TUR	0977 -
2260	-	FROM ILL 763	-	-	-	CHL	0977 -
2261	-	FROM ILL 765	-	-	-	CHL	0977 -
2262	-	FROM ILL 767	-	-	-	CHL	0977 -
2263	-	FROM ILL 768	-	-	-	IRN	0977 -
2264	-	FROM ILL 769	-	-	-	IRN	0977 -
2265	-	FROM ILL 778	-	-	-	SYR	0977 -
2266	-	FROM ILL 779	-	-	-	SYR	0977 -
2267	-	FROM ILL 782	-	-	-	SYR	0977 -
2268	-	FROM ILL 783	-	-	-	SYR	0977 -
2269	-	FROM ILL 785	-	-	-	EGY	0977 -
2270	-	FROM ILL 802	-	-	-	EGY	0977 -
2271	-	FROM ILL 837	-	-	-	LBN	0977 -
2272	-	FROM ILL 840	-	-	-	LBN	0977 -
2273	-	FROM ILL 842	-	-	-	LBN	0977 -
2274	-	FROM ILL 843	-	-	-	LBN	0977 -
2275	-	FROM ILL 844	-	-	-	LBN	0977 -

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
2276	-	FROM ILL 845	-	-	-	-	LBN -	0977 -
2277	-	FROM ILL 846	-	-	-	-	LBN -	0977 -
2278	-	FROM ILL 847	-	-	-	-	LBN -	0977 -
2279	-	FROM ILL 848	-	-	-	-	LBN -	0977 -
2280	-	FROM ILL 851	-	-	-	-	LBN -	0977 -
2281	-	FROM ILL 853	-	-	-	-	CHL -	0977 -
2282	-	FROM ILL 861	-	-	-	-	IRN -	0977 -
2283	-	FROM ILL 864	-	-	-	-	IRN -	0977 -
2284	-	FROM ILL 869	-	-	-	-	IRN -	0977 -
2285	-	FROM ILL 873	-	-	-	-	IRN -	0977 -
2286	-	FROM ILL 877	-	-	-	-	IRN -	0977 -
2287	-	FROM ILL 887	-	-	-	-	IRN -	0977 -
2288	-	FROM ILL 888	-	-	-	-	IRN -	0977 -
2289	-	FROM ILL 895	-	-	-	-	CHL -	0977 -
2290	-	FROM ILL 896	-	-	-	-	CHL -	0977 -
2291	-	FROM ILL 897	-	-	-	-	IRN -	0977 -
2292	-	FROM ILL 899	-	-	-	-	CHL -	0977 -
2293	-	FROM ILL 902	-	-	-	-	IRN -	0977 -
2294	-	FROM ILL 904	-	-	-	-	IRN -	0977 -
2295	-	FROM ILL 930	-	-	-	-	TUR -	0977 -
2296	-	FROM ILL 935	-	-	-	-	IRN -	0977 -
2297	-	FROM ILL 944	-	-	-	-	PAK -	0977 -
2298	-	FROM ILL 945	-	-	-	-	PAK -	0977 -
2299	-	FROM ILL 948	-	-	-	-	IRN -	0977 -
2300	-	FROM ILL 950	-	-	-	-	IRN -	0977 -
2301	-	FROM ILL 952	-	-	-	-	IRN -	0977 -
2302	-	FROM ILL 953	-	-	-	-	EGY -	0977 -
2303	-	FROM ILL 959	-	-	-	-	IRN -	0977 -
2304	-	FROM ILL 961	-	-	-	-	IRN -	0977 -
2305	-	FROM ILL 968	-	-	-	-	IRN -	0977 -
2306	-	FROM ILL 969	-	-	-	-	IRN -	0977 -
2307	-	FROM ILL 972	-	-	-	-	CHL -	0977 -
2308	-	FROM ILL 977	-	-	-	-	CHL -	0977 -
2309	-	FROM ILL 983	-	-	-	-	CHL -	0977 -
2310	-	FROM ILL 988	-	-	-	-	CHL -	0977 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisfree)	CDat Cou	Province or Town	RDat Ind
2311	-	FROM ILL 993	-	-	-	CHL -	0977 -
2312	-	FROM ILL 995	-	-	-	CHL -	0977 -
2313	-	FROM ILL 1000	-	-	-	CHL -	0977 -
2314	-	FROM ILL 1004	-	-	-	CHL -	0977 -
2315	-	FROM ILL 1006	-	-	-	CHL -	0977 -
2316	-	FROM ILL 1007	-	-	-	CHL -	0977 -
2317	-	FROM ILL 1007	-	-	-	IRN -	0977 -
2318	-	FROM ILL 1013	-	-	-	IRN -	0977 -
2319	-	FROM ILL 1020	-	-	-	IRN -	0977 -
2320	-	FROM ILL 1023	-	-	-	IRN -	0977 -
2321	-	FROM ILL 1026	-	-	-	IRN -	0977 -
2322	-	FROM ILL 1028	-	-	-	IRN -	0977 -
2323	-	FROM ILL 1029	-	-	-	IRN -	0977 -
2324	-	FROM ILL 1031	-	-	-	IRN -	0977 -
2325	-	FROM ILL 1036	-	-	-	IRN -	0977 -
2326	-	FROM ILL 1039	-	-	-	IRN -	0977 -
2327	-	FROM ILL 1041	-	-	-	IRN -	0977 -
2328	-	FROM ILL 1047	-	-	-	IRN -	0977 -
2329	-	FROM ILL 1048	-	-	-	IRN -	0977 -
2330	-	FROM ILL 1050	-	-	-	IRN -	0977 -
2331	-	FROM ILL 1053	-	-	-	IRN -	0977 -
2332	-	FROM ILL 1057	-	-	-	IRN -	0977 -
2333	-	FROM ILL 1058	-	-	-	IRN -	0977 -
2334	-	FROM ILL 1061	-	-	-	IRN -	0977 -
2335	-	FROM ILL 1070	-	-	-	IRN -	0977 -
2336	-	FROM ILL 1073	-	-	-	IRN -	0977 -
2337	-	FROM ILL 1075	-	-	-	IRN -	0977 -
2338	-	FROM ILL 1076	-	-	-	IRN -	0977 -
2339	-	FROM ILL 1079	-	-	-	IRN -	0977 -
2340	-	FROM ILL 1083	-	-	-	IRN -	0977 -
2341	-	FROM ILL 1085	-	-	-	IRN -	0977 -
2342	-	FROM ILL 1090	-	-	-	IRN -	0977 -
2343	-	FROM ILL 1098	-	-	-	IRN -	0977 -
2344	-	FROM ILL 1101	-	-	-	IRN -	0977 -
2345	-	FROM ILL 1108	-	-	-	IRN -	0977 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
2346	-	FROM ILL 1115	-	-	-	IRN -	0977 -
2347	-	FROM ILL 1130	-	-	-	IRN -	0977 -
2348	-	FROM ILL 1135	-	-	-	IRN -	0977 -
2349	-	FROM ILL 1137	-	-	-	EGY -	0977 -
2350	-	FROM ILL 1138	-	-	-	EGY -	0977 -
2351	-	FROM ILL 1140	-	-	-	EGY -	0977 -
2352	-	FROM ILL 1141	-	-	-	EGY -	0977 -
2353	-	FROM ILL 1142	-	-	-	EGY -	0977 -
2354	-	FROM ILL 1147	-	-	-	EGY -	0977 -
2355	-	FROM ILL 1154	-	-	-	IRN -	0977 -
2356	-	FROM ILL 1156	-	-	-	IRN -	0977 -
2357	-	FROM ILL 1157	-	-	-	IRN -	0977 -
2358	-	FROM ILL 1177	-	-	-	IRN -	0977 -
2359	-	FROM ILL 1185	-	-	-	IRN -	0977 -
2360	-	FROM ILL 1187	-	-	-	IRN -	0977 -
2361	-	FROM ILL 1191	-	-	-	IRN -	0977 -
2362	-	FROM ILL 1200	-	-	-	IRN -	0977 -
2363	-	FROM ILL 1205	-	-	-	IRN -	0977 -
2364	-	FROM ILL 1208	-	-	-	IRN -	0977 -
2365	-	FROM ILL 1211	-	-	-	IRN -	0977 -
2366	-	FROM ILL 1213	-	-	-	IRN -	0977 -
2367	-	FROM ILL 1217	-	-	-	IRN -	0977 -
2368	-	FROM ILL 1220	-	-	-	IRN -	0977 -
2369	-	FROM ILL 1222	-	-	-	IRN -	0977 -
2370	-	FROM ILL 1228	-	-	-	IRN -	0977 -
2371	-	FROM ILL 1234	-	-	-	IRN -	0977 -
2372	-	FROM ILL 1242	-	-	-	IRN -	0977 -
2373	-	FROM ILL 1257	-	-	-	IRN -	0977 -
2374	-	FROM ILL 1263	-	-	-	IRN -	0977 -
2375	-	FROM ILL 1276	-	-	-	IRN -	0977 -
2376	-	FROM ILL 1283	-	-	-	IRN -	0977 -
2377	-	FROM ILL 1284	-	-	-	IRN -	0977 -
2378	-	FROM ILL 1291	-	-	-	IRN -	0977 -
2379	-	FROM ILL 1292	-	-	-	IRN -	0977 -
2380	-	FROM ILL 1300	-	-	-	IRN -	0977 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
2381	-	FROM ILL 1303	-	-	IRN	-	0977 -
2382	-	FROM ILL 1311	-	-	IRN	-	0977 -
2383	-	FROM ILL 1318	-	-	IRN	-	0977 -
2384	-	FROM ILL 1327	-	-	IRN	-	0977 -
2385	-	FROM ILL 1335	-	-	IRN	-	0977 -
2386	-	FROM ILL 1336	-	-	IRN	-	0977 -
2387	-	FROM ILL 1346	-	-	IRN	-	0977 -
2388	-	FROM ILL 1373	-	-	IRN	-	0977 -
2389	-	FROM ILL 1376	-	-	IRN	-	0977 -
2390	-	FROM ILL 1378	-	-	IRN	-	0977 -
2391	-	FROM ILL 1390	-	-	IRN	-	0977 -
2392	-	FROM ILL 1393	-	-	IRN	-	0977 -
2393	-	FROM ILL 1402	-	-	IRN	-	0977 -
2394	-	FROM ILL 1403	-	-	IRN	-	0977 -
2395	-	FROM ILL 1405	-	-	IRN	-	0977 -
2396	-	FROM ILL 1410	-	-	IRN	-	0977 -
2397	-	FROM ILL 1429	-	-	IRN	-	0977 -
2398	-	FROM ILL 1433	-	-	IRN	-	0977 -
2399	-	FROM ILL 1446	-	-	IRN	-	0977 -
2400	-	FROM ILL 1457	-	-	IRN	-	0977 -
2401	-	FROM ILL 1461	-	-	IRN	-	0977 -
2402	-	FROM ILL 1465	-	-	IRN	-	0977 -
2403	-	FROM ILL 1472	-	-	IRN	-	0977 -
2404	-	FROM ILL 1473	-	-	IRN	-	0977 -
2405	-	FROM ILL 1479	-	-	IRN	-	0977 -
2406	-	FROM ILL 1483	-	-	IRN	-	0977 -
2407	-	FROM ILL 1487	-	-	-	-	0977 -
2408	-	FROM ILL 1491	-	-	-	-	0977 -
2409	-	FROM ILL 1504	-	-	IRN	-	0977 -
2410	-	FROM ILL 1520	-	-	JOR	-	0977 -
2411	-	FROM ILL 1521	-	-	IRN	-	0977 -
2412	-	FROM ILL 1523	-	-	IRN	-	0977 -
2413	-	FROM ILL 1524	-	-	IRN	-	0977 -
2414	-	FROM ILL 1526	-	-	IRN	-	0977 -
2415	-	FROM ILL 1535	-	-	IRN	-	0977 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
2416	-	FROM ILL 1556	-	-	IRN	-	0977 -
2417	-	FROM ILL 1571	-	-	IRN	-	0977 -
2418	-	FROM ILL 1576	-	-	IRN	-	0977 -
2419	-	FROM ILL 1592	-	-	IRN	-	0977 -
2420	-	FROM ILL 1595	-	-	IRN	-	0977 -
2421	-	FROM ILL 1599	-	-	IRN	-	0977 -
2422	-	FROM ILL 1624	-	-	IRN	-	0977 -
2423	-	FROM ILL 1628	-	-	CHL	-	0977 -
2424	-	FROM ILL 1630	-	-	IRN	-	0977 -
2425	-	FROM ILL 1650	-	-	COL	-	0977 -
2426	-	FROM ILL 1674	-	-	ETH	-	0977 -
2427	-	FROM ILL 1675	-	-	ETH	-	0977 -
2428	-	FROM ILL 1694	-	-	ETH	-	0977 -
2429	-	FROM ILL 1700	-	-	ETH	-	0977 -
2430	-	FROM ILL 1704	-	-	ETH	-	0977 -
2431	-	FROM ILL 1709	-	-	ETH	-	0977 -
2432	-	FROM ILL 1720	-	-	ETH	-	0977 -
2433	-	FROM ILL 1726	-	-	ETH	-	0977 -
2434	-	FROM ILL 1728	-	-	ETH	-	0977 -
2435	-	FROM ILL 1730	-	-	ETH	-	0977 -
2436	-	FROM ILL 1733	-	-	ETH	-	0977 -
2437	-	FROM ILL 1739	-	-	ETH	-	0977 -
2438	-	FROM ILL 1744	-	-	ETH	-	0977 -
2439	-	FROM ILL 1748	-	-	ETH	-	0977 -
2440	-	FROM ILL 1749	-	-	ETH	-	0977 -
2441	-	FROM ILL 1753	-	-	AFG	-	0977 -
2442	-	FROM ILL 1767	-	-	AFG	-	0977 -
2443	-	FROM ILL 1771	-	-	AFG	-	0977 -
2444	-	FROM ILL 1776	-	-	AFG	-	0977 -
2445	-	FROM ILL 1782	-	-	AFG	-	0977 -
2446	-	FROM ILL 1788	-	-	AFG	-	0977 -
2447	-	FROM ILL 1791	-	-	AFG	-	0977 -
2448	-	FROM ILL 1793	-	-	AFG	-	0977 -
2449	-	FROM ILL 1798	-	-	AFG	-	0977 -
2450	-	FROM ILL 1803	-	-	AFG	-	0977 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
2451	-	FROM ILL 1813	-	-	-	AFG	0977 -
2452	-	FROM ILL 1815	-	-	-	AFG	0977 -
2453	-	FROM ILL 1816	-	-	-	AFG	0977 -
2454	-	FROM ILL 1854	-	-	-	CHL	0977 -
2455	-	FROM ILL 1892	-	-	-	AFG	0977 -
2456	IARI	PANT 644	PANT	PANT 644	-	IND	1077 -
2457	IARI	LC 99	-	-	-	IND	1077 -
2458	IARI	LC 101	-	-	-	IND	1077 -
2459	IARI	LC 102	-	-	-	IND	1077 -
2460	IARI	LC 103	-	-	-	IND	1077 -
2461	IARI	LC 104	-	-	-	IND	1077 -
2462	IARI	LC 108	-	-	-	IND	1077 -
2463	IARI	LC 109	-	-	-	IND	1077 -
2464	IARI	LC 110	-	-	-	IND	1077 -
2465	IARI	LC 111	-	-	-	IND	1077 -
2466	IARI	LC 112	-	-	-	IND	1077 -
2467	IARI	LC 114	-	-	-	IND	1077 -
2468	IARI	LC 115	-	-	-	IND	1077 -
2469	IARI	LC 148	-	-	-	IND	1077 -
2470	IARI	LC 166	-	-	-	IND	1077 -
2471	IARI	LC 185	-	-	-	IND	1077 -
2472	IARI	LC 186	-	-	-	IND	1077 -
2473	IARI	LC 187	-	-	-	IND	1077 -
2474	IARI	LC 188	-	-	-	IND	1077 -
2475	IARI	LC 195	-	-	-	IND	1077 -
2476	IARI	LC 196	-	-	-	IND	1077 -
2477	IARI	LC 198	-	-	-	IND	1077 -
2478	IARI	LC 199	-	-	-	IND	1077 -
2479	IARI	LC 200	-	-	-	IND	1077 -
2480	IARI	LC 201	-	-	-	IND	1077 -
2481	IARI	LC 202	-	-	-	IND	1077 -
2482	IARI	LC 203	-	-	-	IND	1077 -
2483	IARI	LC 204	-	-	-	IND	1077 -
2484	IARI	LC 205	-	-	-	IND	1077 -
2485	IARI	LC 206	-	-	-	IND	1077 -

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedigree)	CDat	Cou	Province or Town	RDat	Ind
2486	IARI	LC 211	-	-	-	-	IND	-	1077	-
2487	IARI	LC 217	-	-	-	-	IND	-	1077	-
2488	IARI	LC 218	-	-	-	-	IND	-	1077	-
2489	IARI	LC 219	-	-	-	-	IND	-	1077	-
2490	IARI	LC 220	-	-	-	-	IND	-	1077	-
2491	IARI	LC 223	-	-	-	-	IND	-	1077	-
2492	IARI	LC 225	-	-	-	-	IND	-	1077	-
2493	IARI	LC 241	-	-	-	-	IND	-	1077	-
2494	IARI	LC 296	-	-	-	-	IND	-	1077	-
2495	IARI	LC 298	-	-	-	-	IND	-	1077	-
2496	IARI	LC 300	-	-	-	-	IND	-	1077	-
2497	IARI	LC 325	-	-	-	-	IND	-	1077	-
2498	IARI	LC 454	-	-	-	-	IND	-	1077	-
2499	IARI	L 15-10	PUNJ	-	-	-	IND	-	1077	-
2500	IARI	PANT-L 538	PANT	-	PANT-L 538	-	IND	-	1077	-
2501	IARI	PANT-L 406	PANT	-	PANT-L 406	-	IND	-	1077	-
2502	IARI	PANT-L 638	PANT	-	PANT-L 638	-	IND	-	1077	-
2503	IARI	PANT-L 640	PANT	-	PANT-L 640	-	IND	-	1077	-
2504	IARI	PANT-L 641	PANT	-	PANT-L 641	-	IND	-	1077	-
2505	IARI	PANT-L 642	PANT	-	PANT-L 642	-	IND	-	1077	-
2506	IARI	PANT-L 643	PANT	-	PANT-L 643	-	IND	-	1077	-
2507	IARI	LL 3	PUNJ	-	LL 3	-	IND	-	1077	-
2508	IARI	LL 5	PUNJ	-	LL 5	-	IND	-	1077	-
2509	IARI	LL 22	PUNJ	-	LL 22	-	IND	-	1077	-
2510	IARI	LL 25	PUNJ	-	LL 25	-	IND	-	1077	-
2511	IARI	LG 8	GURD	-	LG 8	-	IND	-	1077	-
2512	IARI	LG 33	GURD	-	LG 33	-	IND	-	1077	-
2513	IARI	LG 41	GURD	-	LG 41	-	IND	-	1077	-
2514	IARI	LG 84	GURD	-	LG 84	-	IND	-	1077	-
2515	IARI	PUSA 2	IARI	-	PUSA 2	-	IND	-	1077	-
2516	IARI	PUSA 4	IARI	-	PUSA 4	-	IND	-	1077	-
2517	IARI	PUSA 7	IARI	-	PUSA 7	-	IND	-	1077	-
2518	IARI	PUSA 8	IARI	-	PUSA 8	-	IND	-	1077	-
2519	IARI	PUSA 9	IARI	-	PUSA 9	-	IND	-	1077	-
2520	IARI	PUSA 10	IARI	-	PUSA 10	-	IND	-	1077	-

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
2521	IARI	P 10150	-	-	-	IND	1077 -
2522	IARI	PS 85	IARI	PS 85	-	IND	1077 -
2523	IARI	PS 156	IARI	PS 156	-	IND	1077 -
2524	IARI	BR 25	-	BR 25	-	IND BIHAR	1077 -
2525	IARI	T 31	KANPUR	T 31	-	IND	1077 -
2526	IARI	T 36	KANPUR	T 36	-	IND	1077 -
2527	IARI	TT 2	-	TT 2	-	IND PUNJAB	1077 -
2528	IARI	JL 80	JNKVV	JL 80	-	IND	1077 -
2529	IARI	JL 85	JNKVV	JL 85	-	IND	1077 -
2530	IARI	JLS 4	JNKVV	JLS 4	-	IND	1077 -
2531	IARI	S 173 MUTANT	PORS	S 173 MUTANT	-	IND	1077 -
2532	IARI	S 30116	-	-	-	IND	1077 -
2533	IARI	SL 1	-	-	-	IND	1077 -
2534	PANT	L 253	-	-	-	IND	1177 -
2535	PANT	L 311	-	-	-	IND	1177 -
2536	PANT	L 312	-	-	-	IND	1177 -
2537	PANT	L 372	-	-	-	IND	1177 -
2538	PANT	L 380	-	-	-	IND	1177 -
2539	PANT	L 383	-	-	-	IND	1177 -
2540	PANT	L 386	-	-	-	IND	1177 -
2541	PANT	L 519	-	-	-	IND	1177 -
2542	PANT	L 543	-	-	-	IND	1177 -
2543	PANT	L 546	-	-	-	IND	1177 -
2544	PANT	L 547	-	-	-	IND	1177 -
2545	PANT	L 550	-	-	-	IND	1177 -
2546	PANT	L 552	-	-	-	IND	1177 -
2547	PANT	L 553	-	-	-	IND	1177 -
2548	PANT	L 555	-	-	-	IND	1177 -
2549	PANT	L 568	-	-	-	IND	1177 -
2550	PANT	L 573	-	-	-	IND	1177 -
2551	PANT	L 576	-	-	-	IND	1177 -
2552	PANT	L 577	-	-	-	IND	1177 -
2553	PANT	L 578	-	-	-	IND	1177 -
2554	PANT	L 584	-	-	-	IND	1177 -
2555	PANT	L 587	-	-	-	IND	1177 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
2556	PANT	L 590	-	-	-	IND -	1177 -
2557	PANT	L 593	-	-	-	IND -	1177 -
2558	PANT	L 594	-	-	-	IND -	1177 -
2559	PANT	L 596	-	-	-	IND -	1177 -
2560	PANT	L 597	-	-	-	IND -	1177 -
2561	PANT	L 598	-	-	-	IND -	1177 -
2562	PANT	L 599	-	-	-	IND -	1177 -
2563	PANT	L 600	-	-	-	IND -	1177 -
2564	PANT	L 601	-	-	-	IND -	1177 -
2565	PANT	L 602	-	-	-	IND -	1177 -
2566	PANT	L 603	-	-	-	IND -	1177 -
2567	PANT	L 605	-	-	-	IND -	1177 -
2568	PANT	L 607	-	-	-	IND -	1177 -
2569	PANT	L 608	-	-	-	IND -	1177 -
2570	PANT	L 609	-	-	-	IND -	1177 -
2571	PANT	L 610	-	-	-	IND -	1177 -
2572	PANT	L 612	-	-	-	IND -	1177 -
2573	PANT	PANT-L 639	-	-	-	IND -	1177 -
2574	PANT	PANT-L 644	-	-	-	IND -	1177 -
2575	PANT	L 747	-	-	-	IND -	1177 -
2576	PANT	L 771	-	-	-	IND -	1177 -
2577	PANT	L 781	-	-	-	IND -	1177 -
2578	PANT	L 830	-	-	-	IND -	1177 -
2579	PANT	L 866	-	-	-	IND -	1177 -
2580	PANT	L 1278	-	-	-	IND -	1177 -
2581	PANT	L 1282	-	-	-	IND -	1177 -
2582	PANT	LL 1	PUNJ	LL 1	-	IND -	1177 -
2583	PANT	LL 19	PUNJ	LL 19	-	IND -	1177 -
2584	PANT	LL 30	PUNJ	LL 30	-	IND -	1177 -
2585	PANT	K 75	KANPUR	K 75	-	IND -	1177 -
2586	PANT	S 235	PORS	S 235	-	IND -	1177 -
2587	PANT	S 256	PORS	S 256	-	IND -	1177 -
2588	PANT	LWS 1	JNKUV	LWS 1	-	IND -	1177 -
2589	PANT	LWS 2	JNKUV	LWS 2	-	IND -	1177 -
2590	PANT	LWS 3	JNKUV	LWS 3	-	IND -	1177 -

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedigree)	CDat	Cou	Province or Town	RDat	Ind
2591	PANT	LWS 4	JNKUV	-	LWS 4	-	IND	-	1177	-
2592	PANT	LWS 5	JNKUV	-	LWS 5	-	IND	-	1177	-
2593	PANT	LWS 6	JNKUV	-	LWS 6	-	IND	-	1177	-
2594	PANT	LWS 8	JNKUV	-	LWS 8	-	IND	-	1177	-
2595	PANT	LWS 9	JNKUV	-	LWS 9	-	IND	-	1177	-
2596	PANT	LWS 10	JNKUV	-	LWS 10	-	IND	-	1177	-
2597	PANT	LWS 11	JNKUV	-	LWS 11	-	IND	-	1177	-
2598	PANT	LWS 12	JNKUV	-	LWS 12	-	IND	-	1177	-
2599	PANT	LWS 13	JNKUV	-	LWS 13	-	IND	-	1177	-
2600	PANT	LWS 14	JNKUV	-	LWS 14	-	IND	-	1177	-
2601	PANT	LWS 17	JNKUV	-	LWS 17	-	IND	-	1177	-
2602	PANT	LWS 18	JNKUV	-	LWS 18	-	IND	-	1177	-
2603	PANT	P	USDA	-	P	-	IND	-	1177	-
2604	PANT	P 1	USDA	-	P 1	-	IND	-	1177	-
2605	PANT	P 2	USDA	-	P 2	-	IND	-	1177	-
2606	PANT	P 3	USDA	-	P 3	-	IND	-	1177	-
2607	PANT	P 5	USDA	-	P 5	-	IND	-	1177	-
2608	PANT	P 6-23	USDA	-	P 6-23	-	IND	-	1177	-
2609	PANT	P 6-37	USDA	-	P 6-37	-	IND	-	1177	-
2610	PANT	P 6-43	USDA	-	P 6-43	-	IND	-	1177	-
2611	PANT	P 9	USDA	-	P 9	-	IND	-	1177	-
2612	PANT	P 10	USDA	-	P 10	-	IND	-	1177	-
2613	PANT	P 11	USDA	-	P 11	-	IND	-	1177	-
2614	PANT	P 12	USDA	-	P 12	-	IND	-	1177	-
2615	PANT	P 13	USDA	-	P 13	-	IND	-	1177	-
2616	PANT	P 14	USDA	-	P 14	-	IND	-	1177	-
2617	PANT	P 15	USDA	-	P 15	-	IND	-	1177	-
2618	PANT	P 16	USDA	-	P 16	-	IND	-	1177	-
2619	PANT	P 18	USDA	-	P 18	-	IND	-	1177	-
2620	PANT	P 19	USDA	-	P 19	-	IND	-	1177	-
2621	PANT	P 20	USDA	-	P 20	-	IND	-	1177	-
2622	PANT	P 21	USDA	-	P 21	-	IND	-	1177	-
2623	PANT	P 23	USDA	-	P 23	-	IND	-	1177	-
2624	PANT	P 24	USDA	-	P 24	-	IND	-	1177	-
2625	PANT	P 25	USDA	-	P 25	-	IND	-	1177	-

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedigree)	CDat	Cou	Province or Town	RDat	Ind
2626	PANT	P 26	USDA	-	P 26	-	IND	-	1177	-
2627	PANT	P 27	USDA	-	P 27	-	IND	-	1177	-
2628	PANT	P 29	USDA	-	P 29	-	IND	-	1177	-
2629	PANT	P 30	USDA	-	P 30	-	IND	-	1177	-
2630	PANT	P 31	USDA	-	P 31	-	IND	-	1177	-
2631	PANT	P 32	USDA	-	P 32	-	IND	-	1177	-
2632	PANT	P 33	USDA	-	P 33	-	IND	-	1177	-
2633	PANT	P 34	USDA	-	P 34	-	IND	-	1177	-
2634	PANT	P 35	USDA	-	P 35	-	IND	-	1177	-
2635	PANT	P 36 LGP	USDA	-	P 36 LGP	-	IND	-	1177	-
2636	PANT	P 37	USDA	-	P 37	-	IND	-	1177	-
2637	PANT	P 38	USDA	-	P 38	-	IND	-	1177	-
2638	PANT	P 39 LGP	USDA	-	P 39 LGP	-	IND	-	1177	-
2639	PANT	P 41	USDA	-	P 41	-	IND	-	1177	-
2640	PANT	P 42	USDA	-	P 42	-	IND	-	1177	-
2641	PANT	P 44	USDA	-	P 44	-	IND	-	1177	-
2642	PANT	P 45	USDA	-	P 45	-	IND	-	1177	-
2643	PANT	P 48	USDA	-	P 48	-	IND	-	1177	-
2644	PANT	P 49	USDA	-	P 49	-	IND	-	1177	-
2645	PANT	P 50	USDA	-	P 50	-	IND	-	1177	-
2646	PANT	P 51	USDA	-	P 51	-	IND	-	1177	-
2647	PANT	P 52	USDA	-	P 52	-	IND	-	1177	-
2648	PANT	P 54	USDA	-	P 54	-	IND	-	1177	-
2649	PANT	P 55	USDA	-	P 55	-	IND	-	1177	-
2650	PANT	P 56	USDA	-	P 56	-	IND	-	1177	-
2651	PANT	P 57	USDA	-	P 57	-	IND	-	1177	-
2652	PANT	P 58	USDA	-	P 58	-	IND	-	1177	-
2653	PANT	P 59	USDA	-	P 59	-	IND	-	1177	-
2654	PANT	P 60	USDA	-	P 60	-	IND	-	1177	-
2655	PANT	P 61	USDA	-	P 61	-	IND	-	1177	-
2656	PANT	P 62	USDA	-	P 62	-	IND	-	1177	-
2657	PANT	P 64	USDA	-	P 64	-	IND	-	1177	-
2658	PANT	P 65	USDA	-	P 65	-	IND	-	1177	-
2659	PANT	P 66	USDA	-	P 66	-	IND	-	1177	-
2660	PANT	P 68	USDA	-	P 68	-	IND	-	1177	-

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
2661	PANT	P 69	USDA	P 69	-	IND -	1177 -
2662	PANT	P 72	USDA	P 72	-	IND -	1177 -
2663	PANT	P 73	USDA	P 73	-	IND -	1177 -
2664	PANT	P 76	USDA	P 76	-	IND -	1177 -
2665	PANT	P 77	USDA	P 77	-	IND -	1177 -
2666	PANT	P 85	USDA	P 85	-	IND -	1177 -
2667	PANT	P 86	USDA	P 86	-	IND -	1177 -
2668	PANT	P 89	USDA	P 89	-	IND -	1177 -
2669	PANT	P 90	USDA	P 90	-	IND -	1177 -
2670	PANT	P 91	USDA	P 91	-	IND -	1177 -
2671	PANT	P 93	USDA	P 93	-	IND -	1177 -
2672	PANT	P 96	USDA	P 96	-	IND -	1177 -
2673	PANT	P 97	USDA	P 97	-	IND -	1177 -
2674	PANT	P 100	USDA	P 100	-	IND -	1177 -
2675	PANT	P 101	USDA	P 101	-	IND -	1177 -
2676	PANT	P 102	USDA	P 102	-	IND -	1177 -
2677	PANT	P 103	USDA	P 103	-	IND -	1177 -
2678	PANT	P 104	USDA	P 104	-	IND -	1177 -
2679	PANT	P 105	USDA	P 105	-	IND -	1177 -
2680	PANT	P 109	USDA	P 109	-	IND -	1177 -
2681	PANT	P 114	USDA	P 114	-	IND -	1177 -
2682	PANT	P 120	USDA	P 120	-	IND -	1177 -
2683	PANT	P 124	USDA	P 124	-	IND -	1177 -
2684	PANT	P 126	USDA	P 126	-	IND -	1177 -
2685	PANT	P 127	USDA	P 127	-	IND -	1177 -
2686	PANT	P 128	USDA	P 128	-	IND -	1177 -
2687	PANT	P 131	USDA	P 131	-	IND -	1177 -
2688	PANT	P 135	USDA	P 135	-	IND -	1177 -
2689	PANT	P 139	USDA	P 139	-	IND -	1177 -
2690	PANT	P 141	USDA	P 141	-	IND -	1177 -
2691	PANT	P 142	USDA	P 142	-	IND -	1177 -
2692	PANT	P 144	USDA	P 144	-	IND -	1177 -
2693	PANT	P 148	USDA	P 148	-	IND -	1177 -
2694	PANT	P 149	USDA	P 149	-	IND -	1177 -
2695	PANT	P 149	USDA	P 149	-	IND -	1177 -

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedigree)	CDat	Cou	Province or Town	RDat	Ind
2696	PANT	P 150	USDA	-	P 150	-	IND	-	1177	-
2697	PANT	P 153	USDA	-	P 153	-	IND	-	1177	-
2698	PANT	P 154	USDA	-	P 154	-	IND	-	1177	-
2699	PANT	P 155	USDA	-	P 155	-	IND	-	1177	-
2700	PANT	P 156	USDA	-	P 156	-	IND	-	1177	-
2701	PANT	P 157	USDA	-	P 157	-	IND	-	1177	-
2702	PANT	P 158	USDA	-	P 158	-	IND	-	1177	-
2703	PANT	P 159	USDA	-	P 159	-	IND	-	1177	-
2704	PANT	P 160	USDA	-	P 160	-	IND	-	1177	-
2705	PANT	P 161	USDA	-	P 161	-	IND	-	1177	-
2706	PANT	P 162	USDA	-	P 162	-	IND	-	1177	-
2707	PANT	P 164	USDA	-	P 164	-	IND	-	1177	-
2708	PANT	P 165	USDA	-	P 165	-	IND	-	1177	-
2709	PANT	P 166	USDA	-	P 166	-	IND	-	1177	-
2710	PANT	P 172	USDA	-	P 172	-	IND	-	1177	-
2711	PANT	P 174	USDA	-	P 174	-	IND	-	1177	-
2712	PANT	P 175	USDA	-	P 175	-	IND	-	1177	-
2713	PANT	P 176	USDA	-	P 176	-	IND	-	1177	-
2714	PANT	P 177	USDA	-	P 177	-	IND	-	1177	-
2715	PANT	P 178	USDA	-	P 178	-	IND	-	1177	-
2716	PANT	P 179	USDA	-	P 179	-	IND	-	1177	-
2717	PANT	P 181	USDA	-	P 181	-	IND	-	1177	-
2718	PANT	P 182	USDA	-	P 182	-	IND	-	1177	-
2719	PANT	P 183	USDA	-	P 183	-	IND	-	1177	-
2720	PANT	P 184	USDA	-	P 184	-	IND	-	1177	-
2721	PANT	P 186	USDA	-	P 186	-	IND	-	1177	-
2722	PANT	P 187	USDA	-	P 187	-	IND	-	1177	-
2723	PANT	P 188	USDA	-	P 188	-	IND	-	1177	-
2724	PANT	P 188	USDA	-	P 188	-	IND	-	1177	-
2725	PANT	P 190	USDA	-	P 190	-	IND	-	1177	-
2726	PANT	P 191	USDA	-	P 191	-	IND	-	1177	-
2727	PANT	P 193	USDA	-	P 193	-	IND	-	1177	-
2728	PANT	P 194	USDA	-	P 194	-	IND	-	1177	-
2729	PANT	P 194	USDA	-	P 194	-	IND	-	1177	-
2730	PANT	P 195	USDA	-	P 195	-	IND	-	1177	-

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
2731	PANT	P 196	USDA	P 196	IND	-	1177 -
2732	PANT	P 197	USDA	P 197	IND	-	1177 -
2733	PANT	P 198	USDA	P 198	IND	-	1177 -
2734	PANT	P 199	USDA	P 199	IND	-	1177 -
2735	PANT	P 199	USDA	P 199	IND	-	1177 -
2736	PANT	P 200	USDA	P 200	IND	-	1177 -
2737	PANT	P 202	USDA	P 202	IND	-	1177 -
2738	PANT	P 205	USDA	P 205	IND	-	1177 -
2739	PANT	P 206	USDA	P 206	IND	-	1177 -
2740	PANT	P 208	USDA	P 208	IND	-	1177 -
2741	PANT	P 209	USDA	P 209	IND	-	1177 -
2742	PANT	P 210	USDA	P 210	IND	-	1177 -
2743	PANT	P 211	USDA	P 211	IND	-	1177 -
2744	PANT	P 213	USDA	P 213	IND	-	1177 -
2745	PANT	P 214	USDA	P 214	IND	-	1177 -
2746	PANT	P 215	USDA	P 215	IND	-	1177 -
2747	PANT	P 219	USDA	P 219	IND	-	1177 -
2748	PANT	P 220	USDA	P 220	IND	-	1177 -
2749	PANT	P 221	USDA	P 221	IND	-	1177 -
2750	PANT	P 222	USDA	P 222	IND	-	1177 -
2751	PANT	P 223	USDA	P 223	IND	-	1177 -
2752	PANT	P 226	USDA	P 226	IND	-	1177 -
2753	PANT	P 227	USDA	P 227	IND	-	1177 -
2754	PANT	P 229	USDA	P 229	IND	-	1177 -
2755	PANT	P 231	USDA	P 231	IND	-	1177 -
2756	PANT	P 231	USDA	P 231	IND	-	1177 -
2757	PANT	P 232	USDA	P 232	IND	-	1177 -
2758	PANT	P 239	USDA	P 239	IND	-	1177 -
2759	PANT	P 241	USDA	P 241	IND	-	1177 -
2760	PANT	P 242	USDA	P 242	IND	-	1177 -
2761	PANT	P 244	USDA	P 244	IND	-	1177 -
2762	PANT	P 244	USDA	P 244	IND	-	1177 -
2763	PANT	P 245	USDA	P 245	IND	-	1177 -
2764	PANT	P 250	USDA	P 250	IND	-	1177 -
2765	PANT	P 252	USDA	P 252	IND	-	1177 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
2766	PANT	P 253	USDA	P 253	-	IND -	1177 -
2767	PANT	P 254	USDA	P 254	-	IND -	1177 -
2768	PANT	P 257	USDA	P 257	-	IND -	1177 -
2769	PANT	P 258	USDA	P 258	-	IND -	1177 -
2770	PANT	P 259	USDA	P 259	-	IND -	1177 -
2771	PANT	P 260	USDA	P 260	-	IND -	1177 -
2772	PANT	P 261	USDA	P 261	-	IND -	1177 -
2773	PANT	P 262	USDA	P 262	-	IND -	1177 -
2774	PANT	P 263	USDA	P 263	-	IND -	1177 -
2775	PANT	P 266	USDA	P 266	-	IND -	1177 -
2776	PANT	P 267	USDA	P 267	-	IND -	1177 -
2777	PANT	P 268	USDA	P 268	-	IND -	1177 -
2778	PANT	P 269	USDA	P 269	-	IND -	1177 -
2779	PANT	P 270	USDA	P 270	-	IND -	1177 -
2780	PANT	P 271	USDA	P 271	-	IND -	1177 -
2781	PANT	P 272	USDA	P 272	-	IND -	1177 -
2782	PANT	P 273	USDA	P 273	-	IND -	1177 -
2783	PANT	P 274	USDA	P 274	-	IND -	1177 -
2784	PANT	P 275	USDA	P 275	-	IND -	1177 -
2785	PANT	P 276	USDA	P 276	-	IND -	1177 -
2786	PANT	P 277	USDA	P 277	-	IND -	1177 -
2787	PANT	P 278	USDA	P 278	-	IND -	1177 -
2788	PANT	P 279	USDA	P 279	-	IND -	1177 -
2789	PANT	P 280	USDA	P 280	-	IND -	1177 -
2790	PANT	P 281	USDA	P 281	-	IND -	1177 -
2791	PANT	P 282	USDA	P 282	-	IND -	1177 -
2792	PANT	P 283	USDA	P 283	-	IND -	1177 -
2793	PANT	P 284	USDA	P 284	-	IND -	1177 -
2794	PANT	P 285	USDA	P 285	-	IND -	1177 -
2795	PANT	P 286	USDA	P 286	-	IND -	1177 -
2796	PANT	P 287	USDA	P 287	-	IND -	1177 -
2797	PANT	P 290	USDA	P 290	-	IND -	1177 -
2798	PANT	P 294	USDA	P 294	-	IND -	1177 -
2799	PANT	P 295	USDA	P 295	-	IND -	1177 -
2800	PANT	P 297	USDA	P 297	-	IND -	1177 -

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
2801	PANT	P 298	USDA	P 298	-	IND -	1177 -
2802	PANT	P 300	USDA	P 300	-	IND -	1177 -
2803	PANT	P 301	USDA	P 301	-	IND -	1177 -
2804	PANT	P 303	USDA	P 303	-	IND -	1177 -
2805	PANT	P 305	USDA	P 305	-	IND -	1177 -
2806	PANT	P 307	USDA	P 307	-	IND -	1177 -
2807	PANT	P 309	USDA	P 309	-	IND -	1177 -
2808	PANT	P 311	USDA	P 311	-	IND -	1177 -
2809	PANT	P 312	USDA	P 312	-	IND -	1177 -
2810	PANT	P 315	USDA	P 315	-	IND -	1177 -
2811	PANT	P 316	USDA	P 316	-	IND -	1177 -
2812	PANT	P 318	USDA	P 318	-	IND -	1177 -
2813	PANT	P 319	USDA	P 319	-	IND -	1177 -
2814	PANT	P 322	USDA	P 322	-	IND -	1177 -
2815	PANT	P 323	USDA	P 323	-	IND -	1177 -
2816	PANT	P 324	USDA	P 324	-	IND -	1177 -
2817	PANT	P 326	USDA	P 326	-	IND -	1177 -
2818	PANT	P 327	USDA	P 327	-	IND -	1177 -
2819	PANT	P 329	USDA	P 329	-	IND -	1177 -
2820	PANT	P 332	USDA	P 332	-	IND -	1177 -
2821	PANT	P 333	USDA	P 333	-	IND -	1177 -
2822	PANT	P 334	USDA	P 334	-	IND -	1177 -
2823	PANT	P 336	USDA	P 336	-	IND -	1177 -
2824	PANT	P 337	USDA	P 337	-	IND -	1177 -
2825	PANT	P 339	USDA	P 339	-	IND -	1177 -
2826	PANT	P 340	USDA	P 340	-	IND -	1177 -
2827	PANT	P 341	USDA	P 341	-	IND -	1177 -
2828	PANT	P 342	USDA	P 342	-	IND -	1177 -
2829	PANT	P 343	USDA	P 343	-	IND -	1177 -
2830	PANT	P 344	USDA	P 344	-	IND -	1177 -
2831	PANT	P 347	USDA	P 347	-	IND -	1177 -
2832	PANT	P 348	USDA	P 348	-	IND -	1177 -
2833	PANT	P 349	USDA	P 349	-	IND -	1177 -
2834	PANT	P 351	USDA	P 351	-	IND -	1177 -
2835	PANT	P 352	USDA	P 352	-	IND -	1177 -

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
2836	PANT	P 353	USDA	P 353	-	IND -	1177 -
2837	PANT	P 354	USDA	P 354	-	IND -	1177 -
2838	PANT	P 355	USDA	P 355	-	IND -	1177 -
2839	PANT	P 356	USDA	P 356	-	IND -	1177 -
2840	PANT	P 357	USDA	P 357	-	IND -	1177 -
2841	PANT	P 358	USDA	P 358	-	IND -	1177 -
2842	PANT	P 358	USDA	P 358	-	IND -	1177 -
2843	PANT	P 359	USDA	P 359	-	IND -	1177 -
2844	PANT	P 361	USDA	P 361	-	IND -	1177 -
2845	PANT	P 362	USDA	P 362	-	IND -	1177 -
2846	PANT	P 364	USDA	P 364	-	IND -	1177 -
2847	PANT	P 365	USDA	P 365	-	IND -	1177 -
2848	PANT	P 367	USDA	P 367	-	IND -	1177 -
2849	PANT	P 368	USDA	P 368	-	IND -	1177 -
2850	PANT	P 369	USDA	P 369	-	IND -	1177 -
2851	PANT	P 371	USDA	P 371	-	IND -	1177 -
2852	PANT	P 372	USDA	P 372	-	IND -	1177 -
2853	PANT	P 373	USDA	P 373	-	IND -	1177 -
2854	PANT	P 375	USDA	P 375	-	IND -	1177 -
2855	PANT	P 376	USDA	P 376	-	IND -	1177 -
2856	PANT	P 377	USDA	P 377	-	IND -	1177 -
2857	PANT	P 379	USDA	P 379	-	IND -	1177 -
2858	PANT	P 380	USDA	P 380	-	IND -	1177 -
2859	PANT	P 381	USDA	P 381	-	IND -	1177 -
2860	PANT	P 382	USDA	P 382	-	IND -	1177 -
2861	PANT	P 383	USDA	P 383	-	IND -	1177 -
2862	PANT	P 384	USDA	P 384	-	IND -	1177 -
2863	PANT	P 385	USDA	P 385	-	IND -	1177 -
2864	PANT	P 387	USDA	P 387	-	IND -	1177 -
2865	PANT	P 388	USDA	P 388	-	IND -	1177 -
2866	PANT	P 389	USDA	P 389	-	IND -	1177 -
2867	PANT	P 390	USDA	P 390	-	IND -	1177 -
2868	PANT	P 391	USDA	P 391	-	IND -	1177 -
2869	PANT	P 392	USDA	P 392	-	IND -	1177 -
2870	PANT	P 395	USDA	P 395	-	IND -	1177 -

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
2871	PANT	P 396	USDA	P 396	-	IND -	1177 -
2872	PANT	P 397	USDA	P 397	-	IND -	1177 -
2873	PANT	P 400	USDA	P 400	-	IND -	1177 -
2874	PANT	P 401	USDA	P 401	-	IND -	1177 -
2875	PANT	P 402	USDA	P 402	-	IND -	1177 -
2876	PANT	P 403	USDA	P 403	-	IND -	1177 -
2877	PANT	P 404	USDA	P 404	-	IND -	1177 -
2878	PANT	P 405	USDA	P 405	-	IND -	1177 -
2879	PANT	P 406	USDA	P 406	-	IND -	1177 -
2880	PANT	P 407	USDA	P 407	-	IND -	1177 -
2881	PANT	P 411	USDA	P 411	-	IND -	1177 -
2882	PANT	P 412	USDA	P 412	-	IND -	1177 -
2883	PANT	P 415	USDA	P 415	-	IND -	1177 -
2884	PANT	P 416	USDA	P 416	-	IND -	1177 -
2885	PANT	P 419	USDA	P 419	-	IND -	1177 -
2886	PANT	P 420	USDA	P 420	-	IND -	1177 -
2887	PANT	P 422	USDA	P 422	-	IND -	1177 -
2888	PANT	P 423	USDA	P 423	-	IND -	1177 -
2889	PANT	P 424	USDA	P 424	-	IND -	1177 -
2890	PANT	P 426	USDA	P 426	-	IND -	1177 -
2891	PANT	P 427	USDA	P 427	-	IND -	1177 -
2892	PANT	P 429	USDA	P 429	-	IND -	1177 -
2893	PANT	P 430	USDA	P 430	-	IND -	1177 -
2894	PANT	P 431	USDA	P 431	-	IND -	1177 -
2895	PANT	P 432	USDA	P 432	-	IND -	1177 -
2896	PANT	P 434	USDA	P 434	-	IND -	1177 -
2897	PANT	P 436	USDA	P 436	-	IND -	1177 -
2898	PANT	P 437	USDA	P 437	-	IND -	1177 -
2899	PANT	P 438	USDA	P 438	-	IND -	1177 -
2900	PANT	P 438	USDA	P 438	-	IND -	1177 -
2901	PANT	P 439	USDA	P 439	-	IND -	1177 -
2902	PANT	P 440	USDA	P 440	-	IND -	1177 -
2903	PANT	P 442	USDA	P 442	-	IND -	1177 -
2904	PANT	P 444	USDA	P 444	-	IND -	1177 -
2905	PANT	P 446	USDA	P 446	-	IND -	1177 -

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
2906	PANT	P 447	USDA	P 447	-	IND -	1177 -
2907	PANT	P 448	USDA	P 448	-	IND -	1177 -
2908	PANT	P 452	USDA	P 452	-	IND -	1177 -
2909	PANT	P 453	USDA	P 453	-	IND -	1177 -
2910	PANT	P 455	USDA	P 455	-	IND -	1177 -
2911	PANT	P 456	USDA	P 456	-	IND -	1177 -
2912	PANT	P 457	USDA	P 457	-	IND -	1177 -
2913	PANT	P 459	USDA	P 459	-	IND -	1177 -
2914	PANT	P 463	USDA	P 463	-	IND -	1177 -
2915	PANT	P 463	USDA	P 463	-	IND -	1177 -
2916	PANT	P 466	USDA	P 466	-	IND -	1177 -
2917	PANT	P 467	USDA	P 467	-	IND -	1177 -
2918	PANT	P 469	USDA	P 469	-	IND -	1177 -
2919	PANT	P 471	USDA	P 471	-	IND -	1177 -
2920	PANT	P 472	USDA	P 472	-	IND -	1177 -
2921	PANT	P 477	USDA	P 477	-	IND -	1177 -
2922	PANT	P 478	USDA	P 478	-	IND -	1177 -
2923	PANT	P 480	USDA	P 480	-	IND -	1177 -
2924	PANT	P 480	USDA	P 480	-	IND -	1177 -
2925	PANT	P 481	USDA	P 481	-	IND -	1177 -
2926	PANT	P 482	USDA	P 482	-	IND -	1177 -
2927	PANT	P 483	USDA	P 483	-	IND -	1177 -
2928	PANT	P 486	USDA	P 486	-	IND -	1177 -
2929	PANT	P 487	USDA	P 487	-	IND -	1177 -
2930	PANT	P 488	USDA	P 488	-	IND -	1177 -
2931	PANT	P 491	USDA	P 491	-	IND -	1177 -
2932	PANT	P 492	USDA	P 492	-	IND -	1177 -
2933	PANT	P 493	USDA	P 493	-	IND -	1177 -
2934	PANT	P 494	USDA	P 494	-	IND -	1177 -
2935	PANT	P 495	USDA	P 495	-	IND -	1177 -
2936	PANT	P 498	USDA	P 498	-	IND -	1177 -
2937	PANT	P 498	USDA	P 498	-	IND -	1177 -
2938	PANT	P 499	USDA	P 499	-	IND -	1177 -
2939	PANT	P 500	USDA	P 500	-	IND -	1177 -
2940	PANT	P 501	USDA	P 501	-	IND -	1177 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
2941	PANT	P 503	USDA	P 503	IND	-	1177 -
2942	PANT	P 504	USDA	P 504	IND	-	1177 -
2943	PANT	P 506	USDA	P 506	IND	-	1177 -
2944	PANT	P 507	USDA	P 507	IND	-	1177 -
2945	PANT	P 507	USDA	P 507	IND	-	1177 -
2946	PANT	P 508	USDA	P 508	IND	-	1177 -
2947	PANT	P 509	USDA	P 509	IND	-	1177 -
2948	PANT	P 509	USDA	P 509	IND	-	1177 -
2949	PANT	P 509	USDA	P 509	IND	-	1177 -
2950	PANT	P 510	USDA	P 510	IND	-	1177 -
2951	PANT	P 512	USDA	P 512	IND	-	1177 -
2952	PANT	P 513	USDA	P 513	IND	-	1177 -
2953	PANT	P 517	USDA	P 517	IND	-	1177 -
2954	PANT	P 519	USDA	P 519	IND	-	1177 -
2955	PANT	P 521	USDA	P 521	IND	-	1177 -
2956	PANT	P 523	USDA	P 523	IND	-	1177 -
2957	PANT	P 525	USDA	P 525	IND	-	1177 -
2958	PANT	P 526	USDA	P 526	IND	-	1177 -
2959	PANT	P 527	USDA	P 527	IND	-	1177 -
2960	PANT	P 529	USDA	P 529	IND	-	1177 -
2961	PANT	P 530	USDA	P 530	IND	-	1177 -
2962	PANT	P 531	USDA	P 531	IND	-	1177 -
2963	PANT	P 532	USDA	P 532	IND	-	1177 -
2964	PANT	P 534	USDA	P 534	IND	-	1177 -
2965	PANT	P 535	USDA	P 535	IND	-	1177 -
2966	PANT	P 536	USDA	P 536	IND	-	1177 -
2967	PANT	P 537	USDA	P 537	IND	-	1177 -
2968	PANT	P 539	USDA	P 539	IND	-	1177 -
2969	PANT	P 541	USDA	P 541	IND	-	1177 -
2970	PANT	P 543	USDA	P 543	IND	-	1177 -
2971	PANT	P 545	USDA	P 545	IND	-	1177 -
2972	PANT	P 546	USDA	P 546	IND	-	1177 -
2973	PANT	P 550	USDA	P 550	IND	-	1177 -
2974	PANT	P 551	USDA	P 551	IND	-	1177 -
2975	PANT	P 552	USDA	P 552	IND	-	1177 -

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedigree)	CDat	Cou	Province or Town	RDat	Ind
2976	PANT	P 553	USDA	-	P 553	-	IND	-	1177	-
2977	PANT	P 554	USDA	-	P 554	-	IND	-	1177	-
2978	PANT	P 555	USDA	-	P 555	-	IND	-	1177	-
2979	PANT	P 558	USDA	-	P 558	-	IND	-	1177	-
2980	PANT	P 561	USDA	-	P 561	-	IND	-	1177	-
2981	PANT	P 562	USDA	-	P 562	-	IND	-	1177	-
2982	PANT	P 563	USDA	-	P 563	-	IND	-	1177	-
2983	PANT	P 564	USDA	-	P 564	-	IND	-	1177	-
2984	PANT	P 565	USDA	-	P 565	-	IND	-	1177	-
2985	PANT	P 567	USDA	-	P 567	-	IND	-	1177	-
2986	PANT	P 570	USDA	-	P 570	-	IND	-	1177	-
2987	PANT	P 571	USDA	-	P 571	-	IND	-	1177	-
2988	PANT	P 573	USDA	-	P 573	-	IND	-	1177	-
2989	PANT	P 574	USDA	-	P 574	-	IND	-	1177	-
2990	PANT	P 575	USDA	-	P 575	-	IND	-	1177	-
2991	PANT	P 577	USDA	-	P 577	-	IND	-	1177	-
2992	PANT	P 580	USDA	-	P 580	-	IND	-	1177	-
2993	PANT	P 582	USDA	-	P 582	-	IND	-	1177	-
2994	PANT	P 583	USDA	-	P 583	-	IND	-	1177	-
2995	PANT	P 585	USDA	-	P 585	-	IND	-	1177	-
2996	PANT	P 586	USDA	-	P 586	-	IND	-	1177	-
2997	PANT	P 587	USDA	-	P 587	-	IND	-	1177	-
2998	PANT	P 588	USDA	-	P 588	-	IND	-	1177	-
2999	PANT	P 588	USDA	-	P 588	-	IND	-	1177	-
3000	PANT	P 597	USDA	-	P 597	-	IND	-	1177	-
3001	PANT	P 598	USDA	-	P 598	-	IND	-	1177	-
3002	PANT	P 599	USDA	-	P 599	-	IND	-	1177	-
3003	PANT	P 600	USDA	-	P 600	-	IND	-	1177	-
3004	PANT	P 604	USDA	-	P 604	-	IND	-	1177	-
3005	PANT	P 614	USDA	-	P 614	-	IND	-	1177	-
3006	PANT	P 616	USDA	-	P 616	-	IND	-	1177	-
3007	PANT	P 626	USDA	-	P 626	-	IND	-	1177	-
3008	PANT	P 627	USDA	-	P 627	-	IND	-	1177	-
3009	PANT	P 630	USDA	-	P 630	-	IND	-	1177	-
3010	PANT	P 631	USDA	-	P 631	-	IND	-	1177	-

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
3011	PANT	P 632	USDA	-	P 632	-	IND -	1177 -
3012	PANT	P 634	USDA	-	P 634	-	IND -	1177 -
3013	PANT	P 640	USDA	-	P 640	-	IND -	1177 -
3014	PANT	P 644	USDA	-	P 644	-	IND -	1177 -
3015	PANT	P 645	USDA	-	P 645	-	IND -	1177 -
3016	PANT	P 656	USDA	-	P 656	-	IND -	1177 -
3017	PANT	P 656	USDA	-	P 656	-	IND -	1177 -
3018	PANT	P 659	USDA	-	P 659	-	IND -	1177 -
3019	PANT	P 660	USDA	-	P 660	-	IND -	1177 -
3020	PANT	P 683	USDA	-	P 683	-	IND -	1177 -
3021	PANT	P 684	USDA	-	P 684	-	IND -	1177 -
3022	PANT	P 685	USDA	-	P 685	-	IND -	1177 -
3023	PANT	P 686	USDA	-	P 686	-	IND -	1177 -
3024	PANT	P 686	USDA	-	P 686	-	IND -	1177 -
3025	PANT	P 687	USDA	-	P 687	-	IND -	1177 -
3026	PANT	P 687	USDA	-	P 687	-	IND -	1177 -
3027	PANT	P 688	USDA	-	P 688	-	IND -	1177 -
3028	PANT	P 688	USDA	-	P 688	-	IND -	1177 -
3029	PANT	P 689	USDA	-	P 689	-	IND -	1177 -
3030	PANT	P 690	USDA	-	P 690	-	IND -	1177 -
3031	PANT	P 690	USDA	-	P 690	-	IND -	1177 -
3032	PANT	P 691	USDA	-	P 691	-	IND -	1177 -
3033	PANT	P 691	USDA	-	P 691	-	IND -	1177 -
3034	PANT	P 692	USDA	-	P 692	-	IND -	1177 -
3035	PANT	P 693	USDA	-	P 693	-	IND -	1177 -
3036	PANT	P 695	USDA	-	P 695	-	IND -	1177 -
3037	PANT	P 696	USDA	-	P 696	-	IND -	1177 -
3038	PANT	P 697	USDA	-	P 697	-	IND -	1177 -
3039	PANT	P 698	USDA	-	P 698	-	IND -	1177 -
3040	PANT	P 699	USDA	-	P 699	-	IND -	1177 -
3041	PANT	P 700	USDA	-	P 700	-	IND -	1177 -
3042	PANT	P 700	USDA	-	P 700	-	IND -	1177 -
3043	PANT	P 701	USDA	-	P 701	-	IND -	1177 -
3044	PANT	P 702	USDA	-	P 702	-	IND -	1177 -
3045	PANT	P 702	USDA	-	P 702	-	IND -	1177 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
3046	PANT	P 703	USDA	P 703	-	IND -	1177 -
3047	PANT	P 703	USDA	P 703	-	IND -	1177 -
3048	PANT	P 704	USDA	P 704	-	IND -	1177 -
3049	PANT	P 704	USDA	P 704	-	IND -	1177 -
3050	PANT	P 705	USDA	P 705	-	IND -	1177 -
3051	PANT	P 706	USDA	P 706	-	IND -	1177 -
3052	PANT	P 707	USDA	P 707	-	IND -	1177 -
3053	PANT	P 708	USDA	P 708	-	IND -	1177 -
3054	PANT	P 708	USDA	P 708	-	IND -	1177 -
3055	PANT	P 709	USDA	P 709	-	IND -	1177 -
3056	PANT	P 709	USDA	P 709	-	IND -	1177 -
3057	PANT	P 711	USDA	P 711	-	IND -	1177 -
3058	PANT	P 711	USDA	P 711	-	IND -	1177 -
3059	PANT	P 712	USDA	P 712	-	IND -	1177 -
3060	PANT	P 712	USDA	P 712	-	IND -	1177 -
3061	PANT	P 713	USDA	P 713	-	IND -	1177 -
3062	PANT	P 714	USDA	P 714	-	IND -	1177 -
3063	PANT	P 714	USDA	P 714	-	IND -	1177 -
3064	PANT	P 715	USDA	P 715	-	IND -	1177 -
3065	PANT	P 715	USDA	P 715	-	IND -	1177 -
3066	PANT	P 716	USDA	P 716	-	IND -	1177 -
3067	PANT	P 716	USDA	P 716	-	IND -	1177 -
3068	PANT	P 717	USDA	P 717	-	IND -	1177 -
3069	PANT	P 718	USDA	P 718	-	IND -	1177 -
3070	PANT	P 718	USDA	P 718	-	IND -	1177 -
3071	PANT	P 719	USDA	P 719	-	IND -	1177 -
3072	PANT	P 720	USDA	P 720	-	IND -	1177 -
3073	PANT	P 720	USDA	P 720	-	IND -	1177 -
3074	PANT	P 721	USDA	P 721	-	IND -	1177 -
3075	PANT	P 721	USDA	P 721	-	IND -	1177 -
3076	PANT	P 722	USDA	P 722	-	IND -	1177 -
3077	PANT	P 722	USDA	P 722	-	IND -	1177 -
3078	PANT	P 723	USDA	P 723	-	IND -	1177 -
3079	PANT	P 724	USDA	P 724	-	IND -	1177 -
3080	PANT	P 725	USDA	P 725	-	IND -	1177 -

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
3081	PANT	P 725	USDA	P 725	-	IND	1177 -
3082	PANT	P 725	USDA	P 725	-	IND	1177 -
3083	PANT	P 726	USDA	P 726	-	IND	1177 -
3084	PANT	P 727	USDA	P 727	-	IND	1177 -
3085	PANT	P 727	USDA	P 727	-	IND	1177 -
3086	PANT	P 727	USDA	P 727	-	IND	1177 -
3087	PANT	P 728	USDA	P 728	-	IND	1177 -
3088	PANT	P 728	USDA	P 728	-	IND	1177 -
3089	PANT	P 729	USDA	P 729	-	IND	1177 -
3090	PANT	P 729	USDA	P 729	-	IND	1177 -
3091	PANT	P 730	USDA	P 730	-	IND	1177 -
3092	PANT	P 730	USDA	P 730	-	IND	1177 -
3093	PANT	P 730	USDA	P 730	-	IND	1177 -
3094	PANT	P 731	USDA	P 731	-	IND	1177 -
3095	PANT	P 731	USDA	P 731	-	IND	1177 -
3096	PANT	P 732	USDA	P 732	-	IND	1177 -
3097	PANT	P 732	USDA	P 732	-	IND	1177 -
3098	PANT	P 733	USDA	P 733	-	IND	1177 -
3099	PANT	P 733	USDA	P 733	-	IND	1177 -
3100	PANT	P 734	USDA	P 734	-	IND	1177 -
3101	PANT	P 735	USDA	P 735	-	IND	1177 -
3102	PANT	P 736	USDA	P 736	-	IND	1177 -
3103	PANT	P 739	USDA	P 739	-	IND	1177 -
3104	PANT	P 740	USDA	P 740	-	IND	1177 -
3105	PANT	P 741	USDA	P 741	-	IND	1177 -
3106	PANT	P 742	USDA	P 742	-	IND	1177 -
3107	PANT	P 743	USDA	P 743	-	IND	1177 -
3108	PANT	P 746	USDA	P 746	-	IND	1177 -
3109	PANT	P 747	USDA	P 747	-	IND	1177 -
3110	PANT	P 749	USDA	P 749	-	IND	1177 -
3111	PANT	P 750	USDA	P 750	-	IND	1177 -
3112	PANT	P 751	USDA	P 751	-	IND	1177 -
3113	PANT	P 752	USDA	P 752	-	IND	1177 -
3114	PANT	P 753	USDA	P 753	-	IND	1177 -
3115	PANT	P 757	USDA	P 757	-	IND	1177 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CData Cou	Province or Town	RData Ind
3116	PANT	P 758	USDA	P 758	-	IND -	1177 -
3117	PANT	P 759	USDA	P 759	-	IND -	1177 -
3118	PANT	P 761	USDA	P 761	-	IND -	1177 -
3119	PANT	P 762	USDA	P 762	-	IND -	1177 -
3120	PANT	P 763	USDA	P 763	-	IND -	1177 -
3121	PANT	P 764	USDA	P 764	-	IND -	1177 -
3122	PANT	P 765	USDA	P 765	-	IND -	1177 -
3123	PANT	P 766	USDA	P 766	-	IND -	1177 -
3124	PANT	P 766	USDA	P 766	-	IND -	1177 -
3125	PANT	P 767	USDA	P 767	-	IND -	1177 -
3126	PANT	P 768	USDA	P 768	-	IND -	1177 -
3127	PANT	P 770	USDA	P 770	-	IND -	1177 -
3128	PANT	P 773	USDA	P 773	-	IND -	1177 -
3129	PANT	P 774	USDA	P 774	-	IND -	1177 -
3130	PANT	P 775	USDA	P 775	-	IND -	1177 -
3131	PANT	P 777	USDA	P 777	-	IND -	1177 -
3132	PANT	P 778	USDA	P 778	-	IND -	1177 -
3133	PANT	P 780	USDA	P 780	-	IND -	1177 -
3134	PANT	P 781	USDA	P 781	-	IND -	1177 -
3135	PANT	P 782	USDA	P 782	-	IND -	1177 -
3136	PANT	P 783	USDA	P 783	-	IND -	1177 -
3137	PANT	P 784	USDA	P 784	-	IND -	1177 -
3138	PANT	P 785	USDA	P 785	-	IND -	1177 -
3139	PANT	P 786	USDA	P 786	-	IND -	1177 -
3140	PANT	P 788	USDA	P 788	-	IND -	1177 -
3141	PANT	P 789	USDA	P 789	-	IND -	1177 -
3142	PANT	P 790	USDA	P 790	-	IND -	1177 -
3143	PANT	P 791	USDA	P 791	-	IND -	1177 -
3144	PANT	P 792	USDA	P 792	-	IND -	1177 -
3145	PANT	P 793	USDA	P 793	-	IND -	1177 -
3146	PANT	P 794	USDA	P 794	-	IND -	1177 -
3147	PANT	P 795	USDA	P 795	-	IND -	1177 -
3148	PANT	P 796	USDA	P 796	-	IND -	1177 -
3149	PANT	P 800	USDA	P 800	-	IND -	1177 -
3150	PANT	P 803	USDA	P 803	-	IND -	1177 -

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedisree)	Clat Cou	Province or Town	RDat	Ind
3151	PANT	P 804	USDA	-	P 804	-	IND -	1177	-
3152	PANT	P 805	USDA	-	P 805	-	IND -	1177	-
3153	PANT	P 806	USDA	-	P 806	-	IND -	1177	-
3154	PANT	P 807	USDA	-	P 807	-	IND -	1177	-
3155	PANT	P 809	USDA	-	P 809	-	IND -	1177	-
3156	PANT	P 813	USDA	-	P 813	-	IND -	1177	-
3157	PANT	P 814	USDA	-	P 814	-	IND -	1177	-
3158	PANT	P 815	USDA	-	P 815	-	IND -	1177	-
3159	PANT	P 816	USDA	-	P 816	-	IND -	1177	-
3160	PANT	P 817	USDA	-	P 817	-	IND -	1177	-
3161	PANT	P 819	USDA	-	P 819	-	IND -	1177	-
3162	PANT	P 820	USDA	-	P 820	-	IND -	1177	-
3163	PANT	P 821	USDA	-	P 821	-	IND -	1177	-
3164	PANT	P 821	USDA	-	P 821	-	IND -	1177	-
3165	PANT	P 822	USDA	-	P 822	-	IND -	1177	-
3166	PANT	P 823	USDA	-	P 823	-	IND -	1177	-
3167	PANT	P 825	USDA	-	P 825	-	IND -	1177	-
3168	PANT	P 826	USDA	-	P 826	-	IND -	1177	-
3169	PANT	P 827	USDA	-	P 827	-	IND -	1177	-
3170	PANT	P 828	USDA	-	P 828	-	IND -	1177	-
3171	PANT	P 829	USDA	-	P 829	-	IND -	1177	-
3172	PANT	P 830	USDA	-	P 830	-	IND -	1177	-
3173	PANT	P 830	USDA	-	P 830	-	IND -	1177	-
3174	PANT	P 830	USDA	-	P 830	-	IND -	1177	-
3175	PANT	P 834	USDA	-	P 834	-	IND -	1177	-
3176	PANT	P 836	USDA	-	P 836	-	IND -	1177	-
3177	PANT	P 837	USDA	-	P 837	-	IND -	1177	-
3178	PANT	P 839	USDA	-	P 839	-	IND -	1177	-
3179	PANT	P 840	USDA	-	P 840	-	IND -	1177	-
3180	PANT	P 841	USDA	-	P 841	-	IND -	1177	-
3181	PANT	P 842	USDA	-	P 842	-	IND -	1177	-
3182	PANT	P 843	USDA	-	P 843	-	IND -	1177	-
3183	PANT	P 844	USDA	-	P 844	-	IND -	1177	-
3184	PANT	P 845	USDA	-	P 845	-	IND -	1177	-
3185	PANT	P 845	USDA	-	P 845	-	IND -	1177	-

ILL	Item	Org	Don No	Col	Org	Collector	Coll No (Pedigree)	Clat	Cou	Province or Town	Rlat	Ind
3186	PANT		P 847	USDA	-	P 847	-	IND	-	-	1177	-
3187	PANT		P 848	USDA	-	P 848	-	IND	-	-	1177	-
3188	PANT		P 848	USDA	-	P 848	-	IND	-	-	1177	-
3189	PANT		P 849	USDA	-	P 849	-	IND	-	-	1177	-
3190	PANT		P 850	USDA	-	P 850	-	IND	-	-	1177	-
3191	PANT		P 851	USDA	-	P 851	-	IND	-	-	1177	-
3192	PANT		P 852	USDA	-	P 852	-	IND	-	-	1177	-
3193	PANT		P 853	USDA	-	P 853	-	IND	-	-	1177	-
3194	PANT		P 853	USDA	-	P 853	-	IND	-	-	1177	-
3195	PANT		P 854	USDA	-	P 854	-	IND	-	-	1177	-
3196	PANT		P 855	USDA	-	P 855	-	IND	-	-	1177	-
3197	PANT		P 856	USDA	-	P 856	-	IND	-	-	1177	-
3198	PANT		P 857	USDA	-	P 857	-	IND	-	-	1177	-
3199	PANT		P 859	USDA	-	P 859	-	IND	-	-	1177	-
3200	PANT		P 859	USDA	-	P 859	-	IND	-	-	1177	-
3201	PANT		P 860	USDA	-	P 860	-	IND	-	-	1177	-
3202	PANT		P 861	USDA	-	P 861	-	IND	-	-	1177	-
3203	PANT		P 862	USDA	-	P 862	-	IND	-	-	1177	-
3204	PANT		P 863	USDA	-	P 863	-	IND	-	-	1177	-
3205	PANT		P 864	USDA	-	P 864	-	IND	-	-	1177	-
3206	PANT		P 865	USDA	-	P 865	-	IND	-	-	1177	-
3207	PANT		P 866	USDA	-	P 866	-	IND	-	-	1177	-
3208	PANT		P 869	USDA	-	P 869	-	IND	-	-	1177	-
3209	PANT		P 870	USDA	-	P 870	-	IND	-	-	1177	-
3210	PANT		P 870	USDA	-	P 870	-	IND	-	-	1177	-
3211	PANT		P 871	USDA	-	P 871	-	IND	-	-	1177	-
3212	PANT		P 872	USDA	-	P 872	-	IND	-	-	1177	-
3213	PANT		P 872	USDA	-	P 872	-	IND	-	-	1177	-
3214	PANT		P 873	USDA	-	P 873	-	IND	-	-	1177	-
3215	PANT		P 874	USDA	-	P 874	-	IND	-	-	1177	-
3216	PANT		P 875	USDA	-	P 875	-	IND	-	-	1177	-
3217	PANT		P 875	USDA	-	P 875	-	IND	-	-	1177	-
3218	PANT		P 876	USDA	-	P 876	-	IND	-	-	1177	-
3219	PANT		P 877	USDA	-	P 877	-	IND	-	-	1177	-
3220	PANT		P 878	USDA	-	P 878	-	IND	-	-	1177	-

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
3221	PANT	P 880	USDA	-	P 880	-	IND -	1177 -
3222	PANT	P 881	USDA	-	P 881	-	IND -	1177 -
3223	PANT	P 882	USDA	-	P 882	-	IND -	1177 -
3224	PANT	P 883	USDA	-	P 883	-	IND -	1177 -
3225	PANT	P 884	USDA	-	P 884	-	IND -	1177 -
3226	PANT	P 884	USDA	-	P 884	-	IND -	1177 -
3227	PANT	P 885	USDA	-	P 885	-	IND -	1177 -
3228	PANT	P 886	USDA	-	P 886	-	IND -	1177 -
3229	PANT	P 888	USDA	-	P 888	-	IND -	1177 -
3230	PANT	P 889	USDA	-	P 889	-	IND -	1177 -
3231	PANT	P 890	USDA	-	P 890	-	IND -	1177 -
3232	PANT	P 891	USDA	-	P 891	-	IND -	1177 -
3233	PANT	P 892	USDA	-	P 892	-	IND -	1177 -
3234	PANT	P 893	USDA	-	P 893	-	IND -	1177 -
3235	PANT	P 894	USDA	-	P 894	-	IND -	1177 -
3236	PANT	P 894	USDA	-	P 894	-	IND -	1177 -
3237	PANT	P 895	USDA	-	P 895	-	IND -	1177 -
3238	PANT	P 896	USDA	-	P 896	-	IND -	1177 -
3239	PANT	P 897	USDA	-	P 897	-	IND -	1177 -
3240	PANT	P 898	USDA	-	P 898	-	IND -	1177 -
3241	PANT	P 899	USDA	-	P 899	-	IND -	1177 -
3242	PANT	P 900	USDA	-	P 900	-	IND -	1177 -
3243	PANT	P 906	USDA	-	P 906	-	IND -	1177 -
3244	PANT	P 907	USDA	-	P 907	-	IND -	1177 -
3245	PANT	P 909	USDA	-	P 909	-	IND -	1177 -
3246	PANT	P 909	USDA	-	P 909	-	IND -	1177 -
3247	PANT	P 910	USDA	-	P 910	-	IND -	1177 -
3248	PANT	P 910	USDA	-	P 910	-	IND -	1177 -
3249	PANT	P 910	USDA	-	P 910	-	IND -	1177 -
3250	PANT	P 910	USDA	-	P 910	-	IND -	1177 -
3251	PANT	P 911	USDA	-	P 911	-	IND -	1177 -
3252	PANT	P 912	USDA	-	P 912	-	IND -	1177 -
3253	PANT	P 912	USDA	-	P 912	-	IND -	1177 -
3254	PANT	P 912	USDA	-	P 912	-	IND -	1177 -
3255	PANT	P 912	USDA	-	P 912	-	IND -	1177 -

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
3256	PANT	P 913	USDA	-	P 913	-	IND -	1177 -
3257	PANT	P 915	USDA	-	P 915	-	IND -	1177 -
3258	PANT	P 916	USDA	-	P 916	-	IND -	1177 -
3259	PANT	P 919	USDA	-	P 919	-	IND -	1177 -
3260	PANT	P 920	USDA	-	P 920	-	IND -	1177 -
3261	PANT	P 921	USDA	-	P 921	-	IND -	1177 -
3262	PANT	P 921	USDA	-	P 921	-	IND -	1177 -
3263	PANT	P 923	USDA	-	P 923	-	IND -	1177 -
3264	PANT	P 928	USDA	-	P 928	-	IND -	1177 -
3265	PANT	P 929	USDA	-	P 929	-	IND -	1177 -
3266	PANT	P 931	USDA	-	P 931	-	IND -	1177 -
3267	PANT	P 932	USDA	-	P 932	-	IND -	1177 -
3268	PANT	P 932	USDA	-	P 932	-	IND -	1177 -
3269	PANT	P 933	USDA	-	P 933	-	IND -	1177 -
3270	PANT	P 934	USDA	-	P 934	-	IND -	1177 -
3271	PANT	P 935	USDA	-	P 935	-	IND -	1177 -
3272	PANT	P 935	USDA	-	P 935	-	IND -	1177 -
3273	PANT	P 939	USDA	-	P 939	-	IND -	1177 -
3274	PANT	P 940	USDA	-	P 940	-	IND -	1177 -
3275	PANT	P 941	USDA	-	P 941	-	IND -	1177 -
3276	PANT	P 942	USDA	-	P 942	-	IND -	1177 -
3277	PANT	P 943	USDA	-	P 943	-	IND -	1177 -
3278	PANT	P 943	USDA	-	P 943	-	IND -	1177 -
3279	PANT	P 943	USDA	-	P 943	-	IND -	1177 -
3280	PANT	P 944	USDA	-	P 944	-	IND -	1177 -
3281	PANT	P 944	USDA	-	P 944	-	IND -	1177 -
3282	PANT	P 945	USDA	-	P 945	-	IND -	1177 -
3283	PANT	P 945	USDA	-	P 945	-	IND -	1177 -
3284	PANT	P 947	USDA	-	P 947	-	IND -	1177 -
3285	PANT	P 948	USDA	-	P 948	-	IND -	1177 -
3286	PANT	P 949	USDA	-	P 949	-	IND -	1177 -
3287	PANT	P 950	USDA	-	P 950	-	IND -	1177 -
3288	PANT	P 951	USDA	-	P 951	-	IND -	1177 -
3289	PANT	P 955	USDA	-	P 955	-	IND -	1177 -
3290	PANT	P 956	USDA	-	P 956	-	IND -	1177 -

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
3291	PANT	P 972	USDA	P 972	-	IND -	1177 -
3292	PANT	P 974	USDA	P 974	-	IND -	1177 -
3293	PANT	P 975	USDA	P 975	-	IND -	1177 -
3294	PANT	P 976	USDA	P 976	-	IND -	1177 -
3295	PANT	P 983	USDA	P 983	-	IND -	1177 -
3296	PANT	P 984	USDA	P 984	-	IND -	1177 -
3297	PANT	P 988	USDA	P 988	-	IND -	1177 -
3298	PANT	P 989	USDA	P 989	-	IND -	1177 -
3299	PANT	P 990	USDA	P 990	-	IND -	1177 -
3300	PANT	P 992	USDA	P 992	-	IND -	1177 -
3301	PANT	P 993	USDA	P 993	-	IND -	1177 -
3302	PANT	P 997	USDA	P 997	-	IND -	1177 -
3303	PANT	P 998	USDA	P 998	-	IND -	1177 -
3304	PANT	P 1001	USDA	P 1001	-	IND -	1177 -
3305	PANT	P 1002	USDA	P 1002	-	IND -	1177 -
3306	PANT	P 1005	USDA	P 1005	-	IND -	1177 -
3307	PANT	P 1009	USDA	P 1009	-	IND -	1177 -
3308	PANT	P 1013	USDA	P 1013	-	IND -	1177 -
3309	PANT	P 1014	USDA	P 1014	-	IND -	1177 -
3310	PANT	P 1015	USDA	P 1015	-	IND -	1177 -
3311	PANT	P 1016	USDA	P 1016	-	IND -	1177 -
3312	PANT	P 1020	USDA	P 1020	-	IND -	1177 -
3313	PANT	P 1021	USDA	P 1021	-	IND -	1177 -
3314	PANT	P 1022	USDA	P 1022	-	IND -	1177 -
3315	PANT	P 1023	USDA	P 1023	-	IND -	1177 -
3316	PANT	P 1024	USDA	P 1024	-	IND -	1177 -
3317	PANT	P 1026	USDA	P 1026	-	IND -	1177 -
3318	PANT	P 1028	USDA	P 1028	-	IND -	1177 -
3319	PANT	P 1030	USDA	P 1030	-	IND -	1177 -
3320	PANT	P 1033	USDA	P 1033	-	IND -	1177 -
3321	PANT	P 1036	USDA	P 1036	-	IND -	1177 -
3322	PANT	P 1039	USDA	P 1039	-	IND -	1177 -
3323	PANT	P 1040	USDA	P 1040	-	IND -	1177 -
3324	PANT	P 1042	USDA	P 1042	-	IND -	1177 -
3325	PANT	P 1045	USDA	P 1045	-	IND -	1177 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
3326	PANT	P 1046	USDA	P 1046	-	IND -	1177 -
3327	PANT	P 1047	USDA	P 1047	-	IND -	1177 -
3328	PANT	P 1048	USDA	P 1048	-	IND -	1177 -
3329	PANT	P 1049	USDA	P 1049	-	IND -	1177 -
3330	PANT	P 1050	USDA	P 1050	-	IND -	1177 -
3331	PANT	P 1053	USDA	P 1053	-	IND -	1177 -
3332	PANT	P 1056	USDA	P 1056	-	IND -	1177 -
3333	PANT	P 1057	USDA	P 1057	-	IND -	1177 -
3334	PANT	P 1058	USDA	P 1058	-	IND -	1177 -
3335	PANT	P 1059	USDA	P 1059	-	IND -	1177 -
3336	PANT	P 1060	USDA	P 1060	-	IND -	1177 -
3337	PANT	P 1061	USDA	P 1061	-	IND -	1177 -
3338	PANT	P 1062	USDA	P 1062	-	IND -	1177 -
3339	PANT	P 1064	USDA	P 1064	-	IND -	1177 -
3340	PANT	P 1066	USDA	P 1066	-	IND -	1177 -
3341	PANT	P 1074	USDA	P 1074	-	IND -	1177 -
3342	PANT	P 1075	USDA	P 1075	-	IND -	1177 -
3343	PANT	P 1101	USDA	P 1101	-	IND -	1177 -
3344	PANT	P 1130	USDA	P 1130	-	IND -	1177 -
3345	PANT	P 1134	USDA	P 1134	-	IND -	1177 -
3346	PANT	P 1140	USDA	P 1140	-	IND -	1177 -
3347	PANT	P 1142	USDA	P 1142	-	IND -	1177 -
3348	PANT	P 1143	USDA	P 1143	-	IND -	1177 -
3349	PANT	P 1146	USDA	P 1146	-	IND -	1177 -
3350	PANT	P 1148	USDA	P 1148	-	IND -	1177 -
3351	PANT	P 1152	USDA	P 1152	-	IND -	1177 -
3352	PANT	P 1155	USDA	P 1155	-	IND -	1177 -
3353	PANT	P 1156	USDA	P 1156	-	IND -	1177 -
3354	PANT	P 1156	USDA	P 1156	-	IND -	1177 -
3355	PANT	P 1157	USDA	P 1157	-	IND -	1177 -
3356	PANT	P 1158	USDA	P 1158	-	IND -	1177 -
3357	PANT	P 1161	USDA	P 1161	-	IND -	1177 -
3358	PANT	P 1162	USDA	P 1162	-	IND -	1177 -
3359	PANT	P 1165	USDA	P 1165	-	IND -	1177 -
3360	PANT	P 1166	USDA	P 1166	-	IND -	1177 -

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
3361	PANT	P 1172	USDA	P 1172	IND	-	1177 -
3362	PANT	P 1177	USDA	P 1177	IND	-	1177 -
3363	PANT	P 9008	-	-	IND	-	1177 -
3364	PANT	PANT 689	PANT	PANT 689	IND	-	1177 -
3365	PANT	PI 42	-	-	-	-	1177 -
3366	PANT	PI 43	-	-	-	-	1177 -
3367	PANT	PI 77	-	-	-	-	1177 -
3368	PANT	P LWS 7	JNKUV	LWS 7	IND	-	1177 -
3369	PANT	P LWS 15	JNKUV	LWS 15	IND	-	1177 -
3370	PANT	P LWS 16	JNKUV	LWS 16	IND	-	1177 -
3371	PANT	P LWS 19	JNKUV	LWS 19	IND	-	1177 -
3372	PANT	P LWS 20	JNKUV	LWS 20	IND	-	1177 -
3373	PANT	PS 11	IARI	PS 11	IND	-	1177 -
3374	PANT	PS 23	IARI	PS 23	IND	-	1177 -
3375	PANT	UP 610	-	-	IND	-	1177 -
3376	PANT	UP 616	-	-	IND	-	1177 -
3377	PANT	UP 635	-	-	IND	-	1177 -
3378	PANT	UP 648	-	-	IND	-	1177 -
3379	PANT	UP 657	-	-	IND	-	1177 -
3380	PANT	UP 658	-	-	IND	-	1177 -
3381	PANT	UP 661	-	-	IND	-	1177 -
3382	PANT	UP 662	-	-	IND	-	1177 -
3383	PANT	UP 664	-	-	IND	-	1177 -
3384	PANT	UP 718	-	-	IND	-	1177 -
3385	DZ	WJR 16	-	-	SUN	-	1277 -
3386	DZ	WJR 34	-	-	SUN	-	1277 -
3387	DZ	WJR 43	-	-	SUN	-	1277 -
3388	DZ	WJR 136	-	-	SUN	SARATOV	1277 -
3389	DZ	WJR 244	-	-	SUN	STEPNAJA	1277 -
3390	DZ	WJR 401	-	-	AFG	NASK	1277 -
3391	DZ	WJR 407	-	-	AFG	ADAR	1277 -
3392	DZ	WJR 449	-	-	CSK	-	1277 -
3393	DZ	WJR 482	-	-	SUN	ARMENIA	1277 *
3394	DZ	WJR 483	-	-	SUN	ARMENIA	1277 -
3395	DZ	WJR 491	-	-	SUN	KAZAKH	1277 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
3396	DZ	WJR 909	-	-	-	SUN ARMENIA	1277 -
3397	DZ	WJR 952	-	-	-	ETH -	1277 *
3398	DZ	WJR 1849	-	-	-	SUN ARMENIA	1277 -
3399	DZ	ETHIOPIA TIGRE	-	ETHIOPIA TIGRE	-	ETH -	1277 -
3400	DZ	EL 57	DZ	EL 57	-	ETH -	1277 -
3401	DZ	FL 60	DZ	EL 60	-	ETH -	1277 -
3402	DZ	EL 61	DZ	EL 61	-	ETH -	1277 -
3403	DZ	EL 62	-	EL 62	-	ETH -	1277 -
3404	DZ	EL 63	-	EL 63	-	ETH -	1277 -
3405	DZ	EL 64	DZ	EL 64	-	ETH -	1277 -
3406	DZ	EL 86	DZ	EL 86	-	ETH -	1277 -
3407	DZ	EL 97	DZ	EL 97	-	ETH -	1277 -
3408	DZ	EL 104	DZ	EL 104	-	ETH -	1277 -
3409	DZ	EL 105	DZ	EL 105	-	ETH -	1277 -
3410	DZ	EL 106	DZ	EL 106	-	ETH -	1277 -
3411	DZ	EL 107	DZ	EL 107	-	ETH -	1277 -
3412	DZ	EL 108	DZ	EL 108	-	ETH -	1277 -
3413	DZ	EL 162	DZ	EL 162	-	ETH -	1277 -
3414	DZ	EP 1	DZ	EP 1	-	ETH -	1277 -
3415	DZ	EP 2	DZ	EP 2	-	ETH -	1277 -
3416	DZ	EP 3	DZ	EP 3	-	ETH -	1277 -
3417	DZ	EP 4	DZ	EP 4	-	ETH -	1277 -
3418	DZ	EP 5	DZ	EP 5	-	ETH -	1277 -
3419	DZ	EP 6	DZ	EP 6	-	ETH -	1277 -
3420	DZ	EP 7	DZ	EP 7	-	ETH -	1277 -
3421	DZ	EP 8	DZ	EP 8	-	ETH -	1277 -
3422	DZ	EP 9	DZ	EP 9	-	ETH -	1277 -
3423	DZ	EP 10	DZ	EP 10	-	ETH -	1277 -
3424	DZ	EP 11	DZ	EP 11	-	ETH -	1277 -
3425	DZ	EP 12	DZ	EP 12	-	ETH -	1277 -
3426	DZ	EP 13	DZ	EP 13	-	ETH -	1277 -
3427	DZ	EP 14	DZ	EP 14	-	ETH -	1277 -
3428	DZ	EP 15	DZ	EP 15	-	ETH -	1277 -
3429	DZ	EP 16	DZ	EP 16	-	ETH -	1277 -
3430	DZ	EP 17	DZ	EP 17	-	ETH -	1277 -

ILL	Dan Ors	Don No	Col Ors Collector	Coll No (Pedisree)	Cat Cou	Province or Town	Rdat Ind
3431	DZ	EP 18	DZ	EP 18	-	ETH -	1277 -
3432	DZ	EP 19	DZ	EP 19	-	ETH -	1277 -
3433	DZ	EP 20	DZ	EP 20	-	ETH -	1277 -
3434	DZ	EP 21	DZ	EP 21	-	ETH -	1277 -
3435	DZ	EP 22	DZ	EP 22	-	ETH -	1277 -
3436	DZ	EP 23	DZ	EP 23	-	ETH -	1277 -
3437	DZ	EP 24	DZ	EP 24	-	ETH -	1277 -
3438	DZ	EP 25	DZ	EP 25	-	ETH -	1277 -
3439	DZ	EP 26	DZ	EP 26	-	ETH -	1277 -
3440	DZ	EP 27	DZ	EP 27	-	ETH -	1277 -
3441	DZ	EP 28	DZ	EP 28	-	ETH -	1277 -
3442	DZ	EP 29	DZ	EP 29	-	ETH -	1277 -
3443	DZ	EP 30	DZ	EP 30	-	ETH -	1277 -
3444	DZ	EP 31	DZ	EP 31	-	ETH -	1277 -
3445	DZ	EP 32	DZ	EP 32	-	ETH -	1277 -
3446	DZ	EP 33	DZ	EP 33	-	ETH -	1277 -
3447	DZ	EP 34	DZ	EP 34	-	ETH -	1277 -
3448	DZ	EP 35	DZ	EP 35	-	ETH -	1277 -
3449	DZ	EP 36	DZ	EP 36	-	ETH -	1277 -
3450	DZ	EP 37	DZ	EP 37	-	ETH -	1277 -
3451	DZ	EP 38	DZ	EP 38	-	ETH -	1277 -
3452	DZ	EP 39	DZ	EP 39	-	ETH -	1277 -
3453	DZ	EP 40	DZ	EP 40	-	ETH -	1277 -
3454	DZ	EP 41	DZ	EP 41	-	ETH -	1277 -
3455	DZ	EP 42	DZ	EP 42	-	ETH -	1277 -
3456	DZ	EP 43	DZ	EP 43	-	ETH -	1277 -
3457	DZ	EP 44	DZ	EP 44	-	ETH -	1277 -
3458	DZ	EP 45	DZ	EP 45	-	ETH -	1277 -
3459	DZ	EP 46	DZ	EP 46	-	ETH -	1277 -
3460	DZ	EP 47	DZ	EP 47	-	ETH -	1277 -
3461	DZ	EP 48	DZ	EP 48	-	ETH -	1277 -
3462	DZ	EP 49	DZ	EP 49	-	ETH -	1277 -
3463	DZ	EP 50	DZ	EP 50	-	ETH -	1277 -
3464	DZ	EP 51	DZ	EP 51	-	ETH -	1277 -
3465	DZ	EP 52	DZ	EP 52	-	ETH -	1277 -

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedigree)	CDat	Cou	Province or Town	RDat	Ind
3466	DZ	EP 53	DZ	-	EP 53	-	ETH	-	1277	-
3467	DZ	EP 54	DZ	-	EP 54	-	ETH	-	1277	-
3468	DZ	EP 55	DZ	-	EP 55	-	ETH	-	1277	-
3469	DZ	EP 57	DZ	-	EP 57	-	ETH	-	1277	-
3470	DZ	EP 58	DZ	-	EP 58	-	ETH	-	1277	-
3471	DZ	EP 59	DZ	-	EP 59	-	ETH	-	1277	-
3472	DZ	EP 60	DZ	-	EP 60	-	ETH	-	1277	-
3473	DZ	EP 61	DZ	-	EP 61	-	ETH	-	1277	-
3474	DZ	EP 62	DZ	-	EP 62	-	ETH	-	1277	-
3475	DZ	EP 63	DZ	-	EP 63	-	ETH	-	1277	-
3476	DZ	EP 64	DZ	-	EP 64	-	ETH	-	1277	-
3477	DZ	EP 65	DZ	-	EP 65	-	ETH	-	1277	-
3478	DZ	EP 66	DZ	-	EP 66	-	ETH	-	1277	-
3479	DZ	EP 67	DZ	-	EP 67	-	ETH	-	1277	-
3480	DZ	EP 68	DZ	-	EP 68	-	ETH	-	1277	-
3481	DZ	EP 69	DZ	-	EP 69	-	ETH	-	1277	-
3482	-	PAN 2	-	-	L0 441	-	NPL	BHAIRAHWA	0178	-
3483	-	PAN 6	-	-	L0 251	-	NPL	KATHMANDU	0178	-
3484	-	PAN 8	-	-	L0 221	-	NPL	DHANUTHA	0178	-
3485	-	PAN 9	-	-	L0 222	-	NPL	DHANUTHA	0178	-
3486	-	PAN 11	-	-	L0 224	-	NPL	DHANUTHA	0178	-
3487	-	PAN 13	-	-	L0 225	-	NPL	DHANUTHA	0178	-
3488	-	PAN 14	-	-	L0 226	-	NPL	DHANUTHA	0178	-
3489	-	PAN 15	-	-	L0 322	-	NPL	BARA	0178	-
3490	-	PAN 16	-	-	L0 331	-	NPL	PARSA	0178	-
3491	-	PAN 17	-	-	L0 227	-	NPL	DHANUTHA	0178	-
3492	PUNJ	BOMBAY 18	-	-	BOMBAY 18	-	IND	PUNJAB	0178	-
3493	PUNJ	B 77	PORS	-	B 77	-	IND	-	0178	-
3494	PUNJ	BR 25	-	-	BR 25	-	IND	BIHAR	0178	-
3495	PUNJ	C 31	-	-	C 31	-	IND	-	0178	-
3496	PUNJ	EC 25-2	-	-	EC 25-2	-	-	-	0178	-
3497	PUNJ	EC 496	-	-	EC 496	-	-	-	0178	-
3498	PUNJ	EC 1843	-	-	EC 1843	-	-	-	0178	-
3499	PUNJ	EC 5090	-	-	EC 5090	-	-	-	0178	-
3500	PUNJ	EC 28074	-	-	DU PUYTS	-	FRA	-	0178	-

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
3501	PUNJ	EC 10734	-	EC 10734	-	-	0178 -
3502	PUNJ	EC 27155	-	EC 27155	-	-	0178 -
3503	PUNJ	EC 27168 (A)	-	EC 27168 (A)	-	-	0178 -
3504	PUNJ	EC 27168	-	EC 27168	-	-	0178 -
3505	PUNJ	EC 27659	-	EC 27659	-	-	0178 -
3506	PUNJ	EC 34316	-	EC 34316	-	-	0178 -
3507	PUNJ	EC 34647	-	38164	-	DFR	0178 -
3508	PUNJ	EC 34976	-	EC 34976	-	-	0178 -
3509	PUNJ	IC 1656	-	IC 1656	-	IND	0178 -
3510	PUNJ	K 87	KAMPUR	K 87	-	IND	0178 -
3511	PUNJ	LG 12	GURD	LG 12	-	IND	0178 -
3512	PUNJ	LG 7	GURD	LG 7	-	IND	0178 -
3513	PUNJ	LG 8	GURD	LG 8	-	IND	0178 -
3514	PUNJ	LG 13	GURD	LG 13	-	IND	0178 -
3515	PUNJ	LG 33	GURD	LG 33	-	IND	0178 -
3516	PUNJ	LG 41	GURD	LG 41	-	IND	0178 -
3517	PUNJ	LG 46	GURD	LG 46	-	IND	0178 -
3518	PUNJ	LG 60	GURD	LG 60	-	IND	0178 -
3519	PUNJ	LG 62	GURD	LG 62	-	IND	0178 -
3520	PUNJ	LG 74	GURD	LG 74	-	IND	0178 -
3521	PUNJ	LG 84	GURD	LG 84	-	IND	0178 -
3522	PUNJ	LG 86	GURD	LG 86	-	IND	0178 -
3523	PUNJ	LG 100	GURD	LG 100	-	IND	0178 -
3524	PUNJ	LG 103	GURD	LG 103	-	IND	0178 -
3525	PUNJ	LG 108	GURD	LG 108	-	IND	0178 -
3526	PUNJ	LG 111	GURD	LG 111	-	IND	0178 -
3527	PUNJ	LG 112	GURD	LG 112	-	IND	0178 -
3528	PUNJ	LG 113	GURD	LG 113	-	IND	0178 -
3529	PUNJ	LG 116	GURD	LG 116	-	IND	0178 -
3530	PUNJ	LG 118	GURD	LG 118	-	IND	0178 -
3531	PUNJ	LG 120	GURD	LG 120	-	IND	0178 -
3532	PUNJ	LG 122	GURD	LG 122	-	IND	0178 -
3533	PUNJ	LG 125	GURD	LG 125	-	IND	0178 -
3534	PUNJ	LG 128	GURD	LG 128	-	IND	0178 -
3535	PUNJ	LG 131	GURD	LG 131	-	IND	0178 -

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
3536	PUNJ	LG 140	GURD	-	LG 140	-	IND -	0178 -
3537	PUNJ	LG 141	GURD	-	LG 141	-	IND -	0178 -
3538	PUNJ	LG 142	GURD	-	LG 142	-	IND -	0178 -
3539	PUNJ	LG 143	GURD	-	LG 143	-	IND -	0178 -
3540	PUNJ	LG 144	GURD	-	LG 144	-	IND -	0178 -
3541	PUNJ	LG 145	GURD	-	LG 145	-	IND -	0178 -
3542	PUNJ	LG 146	GURD	-	LG 146	-	IND -	0178 -
3543	PUNJ	LG 147	GURD	-	LG 147	-	IND -	0178 -
3544	PUNJ	LG 148	GURD	-	LG 148	-	IND -	0178 -
3545	PUNJ	LG 149	GURD	-	LG 149	-	IND -	0178 -
3546	PUNJ	LG 150	GURD	-	LG 150	-	IND -	0178 -
3547	PUNJ	LG 151	GURD	-	LG 151	-	IND -	0178 -
3548	PUNJ	LG 152	GURD	-	LG 152	-	IND -	0178 -
3549	PUNJ	LG 153	GURD	-	LG 153	-	IND -	0178 -
3550	PUNJ	LG 154	GURD	-	LG 154	-	IND -	0178 -
3551	PUNJ	LG 155	GURD	-	LG 155	-	IND -	0178 -
3552	PUNJ	LG 156	GURD	-	LG 156	-	IND -	0178 -
3553	PUNJ	LG 157	GURD	-	LG 157	-	IND -	0178 -
3554	PUNJ	LG 158	GURD	-	LG 158	-	IND -	0178 -
3555	PUNJ	LG 159	GURD	-	LG 159	-	IND -	0178 -
3556	PUNJ	LG 160	GURD	-	LG 160	-	IND -	0178 -
3557	PUNJ	LG 161	GURD	-	LG 161	-	IND -	0178 -
3558	PUNJ	LG 162	GURD	-	LG 162	-	IND -	0178 -
3559	PUNJ	LG 163	GURD	-	LG 163	-	IND -	0178 -
3560	PUNJ	LG 164	GURD	-	LG 164	-	IND -	0178 -
3561	PUNJ	LG 165	GURD	-	LG 165	-	IND -	0178 -
3562	PUNJ	LG 166	GURD	-	LG 166	-	IND -	0178 -
3563	PUNJ	LG 167	GURD	-	LG 167	-	IND -	0178 -
3564	PUNJ	LG 168	GURD	-	LG 168	-	IND -	0178 -
3565	PUNJ	L 159	-	-	L 159	-	IND -	0178 -
3566	PUNJ	L-15-10	-	-	L-15-10	-	IND PUNJAB	0178 -
3567	PUNJ	LL 1	PUNJ	-	LL 1	-	IND -	0178 -
3568	PUNJ	LL 3	PUNJ	-	LL 3	-	IND -	0178 -
3569	PUNJ	LL 5	PUNJ	-	LL 5	-	IND -	0178 -
3570	PUNJ	LL 17	PUNJ	-	LL 17	-	IND -	0178 -

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
3571	PUNJ	LL 18	PUNJ	LL 18	-	IND -	0178 -
3572	PUNJ	LL 19	PUNJ	LL 19	-	IND -	0178 -
3573	PUNJ	LL 21	PUNJ	LL 21	-	IND -	0178 -
3574	PUNJ	LL 22	PUNJ	LL 22	-	IND -	0178 -
3575	PUNJ	LL 23	PUNJ	LL 23	-	IND -	0178 -
3576	PUNJ	LL 24	PUNJ	LL 24	-	IND -	0178 -
3577	PUNJ	LL 25	PUNJ	LL 25	-	IND -	0178 -
3578	PUNJ	LL 26	PUNJ	LL 26	-	IND -	0178 -
3579	PUNJ	LL 26	PUNJ	LL 26	-	IND -	0178 -
3580	PUNJ	LL 27	PUNJ	LL 27	-	IND -	0178 -
3581	PUNJ	LL 27	PUNJ	LL 27	-	IND -	0178 -
3582	PUNJ	LL 28	PUNJ	LL 28	-	IND -	0178 -
3583	PUNJ	LL 28	PUNJ	LL 28	-	IND -	0178 -
3584	PUNJ	LL 29	PUNJ	LL 29	-	IND -	0178 -
3585	PUNJ	LL 29	PUNJ	LL 29	-	IND -	0178 -
3586	PUNJ	LL 30	PUNJ	LL 30	-	IND -	0178 -
3587	PUNJ	LL 30	PUNJ	LL 30	-	IND -	0178 -
3588	PUNJ	LL 31	PUNJ	LL 31	-	IND -	0178 -
3589	PUNJ	LL 31	PUNJ	LL 31	-	IND -	0178 -
3590	PUNJ	LL 32	PUNJ	LL 32	-	IND -	0178 -
3591	PUNJ	LL 32	PUNJ	LL 32	-	IND -	0178 -
3592	PUNJ	LL 33	PUNJ	LL 33	-	IND -	0178 -
3593	PUNJ	LL 33	PUNJ	LL 33	-	IND -	0178 -
3594	PUNJ	LL 34	PUNJ	LL 34	-	IND -	0178 -
3595	PUNJ	LL 34	PUNJ	LL 34	-	IND -	0178 -
3596	PUNJ	LL 35	PUNJ	LL 35	-	IND -	0178 -
3597	PUNJ	LL 35	PUNJ	LL 35	-	IND -	0178 -
3598	PUNJ	LL 36	PUNJ	LL 36	-	IND -	0178 -
3599	PUNJ	LL 36	PUNJ	LL 36	-	IND -	0178 -
3600	PUNJ	LL 37	PUNJ	LL 37	-	IND -	0178 -
3601	PUNJ	LL 37	PUNJ	LL 37	-	IND -	0178 -
3602	PUNJ	LL 38	PUNJ	LL 38	-	IND -	0178 -
3603	PUNJ	LL 38	PUNJ	LL 38	-	IND -	0178 -
3604	PUNJ	LL 39	PUNJ	LL 39	-	IND -	0178 -
3605	PUNJ	LL 40	PUNJ	LL 40	-	IND -	0178 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
3606	PUNJ	LL 41	PUNJ -	LL 41	-	IND -	0178 -
3607	PUNJ	LL 41	PUNJ -	LL 41	-	IND -	0178 -
3608	PUNJ	LL 43	PUNJ -	LL 43	-	IND -	0178 -
3609	PUNJ	LL 48	PUNJ -	LL 48	-	IND -	0178 -
3610	PUNJ	LL 50	PUNJ -	LL 50	-	IND -	0178 -
3611	PUNJ	LL 51	PUNJ -	LL 51	-	IND -	0178 -
3612	PUNJ	LL 55	PUNJ -	LL 55	-	IND -	0178 -
3613	PUNJ	LL 56	PUNJ -	LL 56	-	IND -	0178 -
3614	PUNJ	LL 57	PUNJ -	LL 57	-	IND -	0178 -
3615	PUNJ	LL 58	PUNJ -	LL 58	-	IND -	0178 -
3616	PUNJ	LL 60	PUNJ -	LL 60	-	IND -	0178 -
3617	PUNJ	LL 61	PUNJ -	LL 61	-	IND -	0178 -
3618	PUNJ	LL 62	PUNJ -	LL 62	-	IND -	0178 -
3619	PUNJ	LL 65	PUNJ -	LL 65	-	IND -	0178 -
3620	PUNJ	LL 69	PUNJ -	LL 69	-	IND -	0178 -
3621	PUNJ	LL 70	PUNJ -	LL 70	-	IND -	0178 -
3622	PUNJ	LL 71	PUNJ -	LL 71	-	IND -	0178 -
3623	PUNJ	LL 72	PUNJ -	LL 72	-	IND -	0178 -
3624	PUNJ	LL 73	PUNJ -	LL 73	-	IND -	0178 -
3625	PUNJ	LL 74	PUNJ -	LL 74	-	IND -	0178 -
3626	PUNJ	LL 75	PUNJ -	LL 75	-	IND -	0178 -
3627	PUNJ	LL 76	PUNJ -	LL 76	-	IND -	0178 -
3628	PUNJ	LL 77	PUNJ -	LL 77	-	IND -	0178 -
3629	PUNJ	LL 78	PUNJ -	LL 78	-	IND -	0178 -
3630	PUNJ	LL 79	PUNJ -	LL 79	-	IND -	0178 -
3631	PUNJ	LL 80	PUNJ -	LL 80	-	IND -	0178 -
3632	PUNJ	LL 81	PUNJ -	LL 81	-	IND -	0178 -
3633	PUNJ	LL 82	PUNJ -	LL 82	-	IND -	0178 -
3634	PUNJ	LL 83	PUNJ -	LL 83	-	IND -	0178 -
3635	PUNJ	MALKA MASUR	-	MALKA MASUR	-	IND MADYA PRADESH	0178 -
3636	PUNJ	MALKA MASUR	-	MALKA MASUR	-	IND MADYA PRADESH	0178 -
3637	PUNJ	NO. 55	-	-	-	IND -	0178 -
3638	PUNJ	NP 11	IARI	NP 11	-	IND -	0178 -
3639	PUNJ	NP 21	IARI	NP 21	-	IND -	0178 -
3640	PUNJ	NP 22	IARI	NP 22	-	IND -	0178 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
3641	PUNJ	NP 47	IARI	NP 47	IND	-	0178 -
3642	PUNJ	NP 51	IARI	NP 51	IND	-	0178 -
3643	PUNJ	NP 52	IARI	NP 52	IND	-	0178 -
3644	PUNJ	NP 65	IARI	NP 65	IND	-	0178 -
3645	PUNJ	NP 94	IARI	NP 94	IND	-	0178 -
3646	PUNJ	NP 918	IARI	NP 918	IND	-	0178 -
3647	PUNJ	PL 1	-	-	IND	-	0178 -
3648	PUNJ	PL 2	-	-	IND	-	0178 -
3649	PUNJ	PL 3	-	-	IND	-	0178 -
3650	PUNJ	PL 4	-	-	IND	-	0178 -
3651	PUNJ	PL 5	-	-	IND	-	0178 -
3652	PUNJ	PL 6	-	-	IND	-	0178 -
3653	PUNJ	PL 10	-	-	IND	-	0178 -
3654	PUNJ	P 1	USDA	P 1	IND	-	0178 -
3655	PUNJ	P 3	USDA	P 3	IND	-	0178 -
3656	PUNJ	P 4	USDA	P 4	IND	-	0178 -
3657	PUNJ	P 5	USDA	P 5	IND	-	0178 -
3658	PUNJ	P 6	USDA	P 6	IND	-	0178 -
3659	PUNJ	P 7	USDA	P 7	IND	-	0178 -
3660	PUNJ	P 8	USDA	P 8	IND	-	0178 -
3661	PUNJ	P 9	USDA	P 9	IND	-	0178 -
3662	PUNJ	P 10	USDA	P 10	IND	-	0178 -
3663	PUNJ	P 11	USDA	P 11	IND	-	0178 -
3664	PUNJ	P 12	USDA	P 12	IND	-	0178 -
3665	PUNJ	P 13	USDA	P 13	IND	-	0178 -
3666	PUNJ	P 14	USDA	P 14	IND	-	0178 -
3667	PUNJ	P 15	USDA	P 15	IND	-	0178 -
3668	PUNJ	P 16	USDA	P 16	IND	-	0178 -
3669	PUNJ	P 18	USDA	P 18	IND	-	0178 -
3670	PUNJ	P 19	USDA	P 19	IND	-	0178 -
3671	PUNJ	P 20	USDA	P 20	IND	-	0178 -
3672	PUNJ	P 21	USDA	P 21	IND	-	0178 -
3673	PUNJ	P 23	USDA	P 23	IND	-	0178 -
3674	PUNJ	P 25	USDA	P 25	IND	-	0178 -
3675	PUNJ	P 25	USDA	P 25	IND	-	0178 -

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
3676	PUNJ	P 27	USDA	-	P 27	-	IND -	0178 -
3677	PUNJ	P 29	USDA	-	P 29	-	IND -	0178 -
3678	PUNJ	P 30	USDA	-	P 30	-	IND -	0178 -
3679	PUNJ	P 31	USDA	-	P 31	-	IND -	0178 -
3680	PUNJ	P 32	USDA	-	P 32	-	IND -	0178 -
3681	PUNJ	P 33	USDA	-	P 33	-	IND -	0178 -
3682	PUNJ	P 34	USDA	-	P 34	-	IND -	0178 -
3683	PUNJ	P 35	USDA	-	P 35	-	IND -	0178 -
3684	PUNJ	P 41	USDA	-	P 41	-	IND -	0178 -
3685	PUNJ	P 42	USDA	-	P 42	-	IND -	0178 -
3686	PUNJ	P 42	USDA	-	P 42	-	IND -	0178 -
3687	PUNJ	P 43	USDA	-	P 43	-	IND -	0178 -
3688	PUNJ	P 44	USDA	-	P 44	-	IND -	0178 -
3689	PUNJ	P 46	USDA	-	P 46	-	IND -	0178 -
3690	PUNJ	P 47	USDA	-	P 47	-	IND -	0178 -
3691	PUNJ	P 48	USDA	-	P 48	-	IND -	0178 -
3692	PUNJ	P 51	USDA	-	P 51	-	IND -	0178 -
3693	PUNJ	P 52	USDA	-	P 52	-	IND -	0178 -
3694	PUNJ	P 53	USDA	-	P 53	-	IND -	0178 -
3695	PUNJ	P 54	USDA	-	P 54	-	IND -	0178 -
3696	PUNJ	P 55	USDA	-	P 55	-	IND -	0178 -
3697	PUNJ	P 57	USDA	-	P 57	-	IND -	0178 -
3698	PUNJ	P 58	USDA	-	P 58	-	IND -	0178 -
3699	PUNJ	P 61	USDA	-	P 61	-	IND -	0178 -
3700	PUNJ	P 62	USDA	-	P 62	-	IND -	0178 -
3701	PUNJ	P 64	USDA	-	P 64	-	IND -	0178 -
3702	PUNJ	P 66	USDA	-	P 66	-	IND -	0178 -
3703	PUNJ	P 69	USDA	-	P 69	-	IND -	0178 -
3704	PUNJ	P 70	USDA	-	P 70	-	IND -	0178 -
3705	PUNJ	P 71	USDA	-	P 71	-	IND -	0178 -
3706	PUNJ	P 72	USDA	-	P 72	-	IND -	0178 -
3707	PUNJ	P 73	USDA	-	P 73	-	IND -	0178 -
3708	PUNJ	P 74	USDA	-	P 74	-	IND -	0178 -
3709	PUNJ	P 75	USDA	-	P 75	-	IND -	0178 -
3710	PUNJ	P 77	USDA	-	P 77	-	IND -	0178 -

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
3711	PUNJ	P 78	USDA	P 78	-	IND -	0178 -
3712	PUNJ	P 79	USDA	P 79	-	IND -	0178 -
3713	PUNJ	P 80	USDA	P 80	-	IND -	0178 -
3714	PUNJ	P 81	USDA	P 81	-	IND -	0178 -
3715	PUNJ	P 83	USDA	P 83	-	IND -	0178 -
3716	PUNJ	P 85	USDA	P 85	-	IND -	0178 -
3717	PUNJ	P 86	USDA	P 86	-	IND -	0178 -
3718	PUNJ	P 92	USDA	P 92	-	IND -	0178 -
3719	PUNJ	P 95	USDA	P 95	-	IND -	0178 -
3720	PUNJ	P 97	USDA	P 97	-	IND -	0178 -
3721	PUNJ	P 99	USDA	P 99	-	IND -	0178 -
3722	PUNJ	P 103	USDA	P 103	-	IND -	0178 -
3723	PUNJ	P 104	USDA	P 104	-	IND -	0178 -
3724	PUNJ	P 108	USDA	P 108	-	IND -	0178 -
3725	PUNJ	P 113	USDA	P 113	-	IND -	0178 -
3726	PUNJ	P 114	USDA	P 114	-	IND -	0178 -
3727	PUNJ	P 116	USDA	P 116	-	IND -	0178 -
3728	PUNJ	P 117	USDA	P 117	-	IND -	0178 -
3729	PUNJ	P 118	USDA	P 118	-	IND -	0178 -
3730	PUNJ	P 119	USDA	P 119	-	IND -	0178 -
3731	PUNJ	P 121	USDA	P 121	-	IND -	0178 -
3732	PUNJ	P 122	USDA	P 122	-	IND -	0178 -
3733	PUNJ	P 127	USDA	P 127	-	IND -	0178 -
3734	PUNJ	P 131	USDA	P 131	-	IND -	0178 -
3735	PUNJ	P 138	USDA	P 138	-	IND -	0178 -
3736	PUNJ	P 140	USDA	P 140	-	IND -	0178 -
3737	PUNJ	P 142	USDA	P 142	-	IND -	0178 -
3738	PUNJ	P 145	USDA	P 145	-	IND -	0178 -
3739	PUNJ	P 153	USDA	P 153	-	IND -	0178 -
3740	PUNJ	P 154	USDA	P 154	-	IND -	0178 -
3741	PUNJ	P 156	USDA	P 156	-	IND -	0178 -
3742	PUNJ	P 158	USDA	P 158	-	IND -	0178 -
3743	PUNJ	P 169	USDA	P 169	-	IND -	0178 -
3744	PUNJ	P 171	USDA	P 171	-	IND -	0178 -
3745	PUNJ	P 175	USDA	P 175	-	IND -	0178 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
3746	PUNJ	P 179	USDA	P 179	-	IND -	0178 -
3747	PUNJ	P 180	USDA	P 180	-	IND -	0178 -
3748	PUNJ	P 181	USDA	P 181	-	IND -	0178 -
3749	PUNJ	P 182	USDA	P 182	-	IND -	0178 -
3750	PUNJ	P 183	USDA	P 183	-	IND -	0178 -
3751	PUNJ	P 186	USDA	P 186	-	IND -	0178 -
3752	PUNJ	P 187	USDA	P 187	-	IND -	0178 -
3753	PUNJ	P 188	USDA	P 188	-	IND -	0178 -
3754	PUNJ	P 189	USDA	P 189	-	IND -	0178 -
3755	PUNJ	P 190	USDA	P 190	-	IND -	0178 -
3756	PUNJ	P 191	USDA	P 191	-	IND -	0178 -
3757	PUNJ	P 192	USDA	P 192	-	IND -	0178 -
3758	PUNJ	P 193	USDA	P 193	-	IND -	0178 -
3759	PUNJ	P 194	USDA	P 194	-	IND -	0178 -
3760	PUNJ	P 195	USDA	P 195	-	IND -	0178 -
3761	PUNJ	P 196	USDA	P 196	-	IND -	0178 -
3762	PUNJ	P 197	USDA	P 197	-	IND -	0178 -
3763	PUNJ	P 198	USDA	P 198	-	IND -	0178 -
3764	PUNJ	P 199	USDA	P 199	-	IND -	0178 -
3765	PUNJ	P 200	USDA	P 200	-	IND -	0178 -
3766	PUNJ	P 201	USDA	P 201	-	IND -	0178 -
3767	PUNJ	P 202	USDA	P 202	-	IND -	0178 -
3768	PUNJ	P 203	USDA	P 203	-	IND -	0178 -
3769	PUNJ	P 205	USDA	P 205	-	IND -	0178 -
3770	PUNJ	P 206	USDA	P 206	-	IND -	0178 -
3771	PUNJ	P 207	USDA	P 207	-	IND -	0178 -
3772	PUNJ	P 208	USDA	P 208	-	IND -	0178 -
3773	PUNJ	P 209	USDA	P 209	-	IND -	0178 -
3774	PUNJ	P 210	USDA	P 210	-	IND -	0178 -
3775	PUNJ	P 211	USDA	P 211	-	IND -	0178 -
3776	PUNJ	P 212	USDA	P 212	-	IND -	0178 -
3777	PUNJ	P 213	USDA	P 213	-	IND -	0178 -
3778	PUNJ	P 214	USDA	P 214	-	IND -	0178 -
3779	PUNJ	P 215	USDA	P 215	-	IND -	0178 -
3780	PUNJ	P 217	USDA	P 217	-	IND -	0178 -

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedigree)	CDat Cou	Province or Town	Rdat Ind
3781	PUNJ	P 218	USDA	-	P 218	-	IND -	0178 -
3782	PUNJ	P 219	USDA	-	P 219	-	IND -	0178 -
3783	PUNJ	P 220	USDA	-	P 220	-	IND -	0178 -
3784	PUNJ	P 221	USDA	-	P 221	-	IND -	0178 -
3785	PUNJ	P 223	USDA	-	P 223	-	IND -	0178 -
3786	PUNJ	P 224	USDA	-	P 224	-	IND -	0178 -
3787	PUNJ	P 225	USDA	-	P 225	-	IND -	0178 -
3788	PUNJ	P 226	USDA	-	P 226	-	IND -	0178 -
3789	PUNJ	P 227	USDA	-	P 227	-	IND -	0178 -
3790	PUNJ	P 228	USDA	-	P 228	-	IND -	0178 -
3791	PUNJ	P 229	USDA	-	P 229	-	IND -	0178 -
3792	PUNJ	P 230	USDA	-	P 230	-	IND -	0178 -
3793	PUNJ	P 231	USDA	-	P 231	-	IND -	0178 -
3794	PUNJ	P 232	USDA	-	P 232	-	IND -	0178 -
3795	PUNJ	P 233	USDA	-	P 233	-	IND -	0178 -
3796	PUNJ	P 234	USDA	-	P 234	-	IND -	0178 -
3797	PUNJ	P 235	USDA	-	P 235	-	IND -	0178 -
3798	PUNJ	P 236	USDA	-	P 236	-	IND -	0178 -
3799	PUNJ	P 237	USDA	-	P 237	-	IND -	0178 -
3800	PUNJ	P 238	USDA	-	P 238	-	IND -	0178 -
3801	PUNJ	P 239	USDA	-	P 239	-	IND -	0178 -
3802	PUNJ	P 240	USDA	-	P 240	-	IND -	0178 -
3803	PUNJ	P 241	USDA	-	P 241	-	IND -	0178 -
3804	PUNJ	P 242	USDA	-	P 242	-	IND -	0178 -
3805	PUNJ	P 243	USDA	-	P 243	-	IND -	0178 -
3806	PUNJ	P 244	USDA	-	P 244	-	IND -	0178 -
3807	PUNJ	P 245	USDA	-	P 245	-	IND -	0178 -
3808	PUNJ	P 246	USDA	-	P 246	-	IND -	0178 -
3809	PUNJ	P 247	USDA	-	P 247	-	IND -	0178 -
3810	PUNJ	P 248	USDA	-	P 248	-	IND -	0178 -
3811	PUNJ	P 249	USDA	-	P 249	-	IND -	0178 -
3812	PUNJ	P 250	USDA	-	P 250	-	IND -	0178 -
3813	PUNJ	P 252	USDA	-	P 252	-	IND -	0178 -
3814	PUNJ	P 253	USDA	-	P 253	-	IND -	0178 -
3815	PUNJ	P 254	USDA	-	P 254	-	IND -	0178 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
3816	PUNJ	P 255	USDA	P 255	-	IND -	0178 -
3817	PUNJ	P 256	USDA	P 256	-	IND -	0178 -
3818	PUNJ	P 257	USDA	P 257	-	IND -	0178 -
3819	PUNJ	P 258	USDA	P 258	-	IND -	0178 -
3820	PUNJ	P 259	USDA	P 259	-	IND -	0178 -
3821	PUNJ	P 260	USDA	P 260	-	IND -	0178 -
3822	PUNJ	P 261	USDA	P 261	-	IND -	0178 -
3823	PUNJ	P 262	USDA	P 262	-	IND -	0178 -
3824	PUNJ	P 263	USDA	P 263	-	IND -	0178 -
3825	PUNJ	P 264	USDA	P 264	-	IND -	0178 -
3826	PUNJ	P 265	USDA	P 265	-	IND -	0178 -
3827	PUNJ	P 266	USDA	P 266	-	IND -	0178 -
3828	PUNJ	P 267	USDA	P 267	-	IND -	0178 -
3829	PUNJ	P 268	USDA	P 268	-	IND -	0178 -
3830	PUNJ	P 270	USDA	P 269	-	IND -	0178 -
3831	PUNJ	P 271	USDA	P 271	-	IND -	0178 -
3832	PUNJ	P 273	USDA	P 273	-	IND -	0178 -
3833	PUNJ	P 275	USDA	P 275	-	IND -	0178 -
3834	PUNJ	P 276	USDA	P 276	-	IND -	0178 -
3835	PUNJ	P 277	USDA	P 277	-	IND -	0178 -
3836	PUNJ	P 278	USDA	P 278	-	IND -	0178 -
3837	PUNJ	P 279	USDA	P 279	-	IND -	0178 -
3838	PUNJ	P 282	USDA	P 282	-	IND -	0178 -
3839	PUNJ	P 283	USDA	P 283	-	IND -	0178 -
3840	PUNJ	P 286	USDA	P 286	-	IND -	0178 -
3841	PUNJ	P 287	USDA	P 287	-	IND -	0178 -
3842	PUNJ	P 288	USDA	P 288	-	IND -	0178 -
3843	PUNJ	P 289	USDA	P 289	-	IND -	0178 -
3844	PUNJ	P 290	USDA	P 290	-	IND -	0178 -
3845	PUNJ	P 291	USDA	P 291	-	IND -	0178 -
3846	PUNJ	P 292	USDA	P 292	-	IND -	0178 -
3847	PUNJ	P 293	USDA	P 293	-	IND -	0178 -
3848	PUNJ	P 295	USDA	P 295	-	IND -	0178 -
3849	PUNJ	P 296	USDA	P 296	-	IND -	0178 -
3850	PUNJ	P 297	USDA	P 297	-	IND -	0178 -

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
3851	PUNJ	P 299	USDA	P 299	-	IND -	0178 -
3852	PUNJ	P 300	USDA	P 300	-	IND -	0178 -
3853	PUNJ	P 301	USDA	P 301	-	IND -	0178 -
3854	PUNJ	P 302	USDA	P 302	-	IND -	0178 -
3855	PUNJ	P 303	USDA	P 303	-	IND -	0178 -
3856	PUNJ	P 304	USDA	P 304	-	IND -	0178 -
3857	PUNJ	P 305	USDA	P 305	-	IND -	0178 -
3858	PUNJ	P 306	USDA	P 306	-	IND -	0178 -
3859	PUNJ	P 308	USDA	P 308	-	IND -	0178 -
3860	PUNJ	P 309	USDA	P 309	-	IND -	0178 -
3861	PUNJ	P 311	USDA	P 311	-	IND -	0178 -
3862	PUNJ	P 313	USDA	P 313	-	IND -	0178 -
3863	PUNJ	P 315	USDA	P 315	-	IND -	0178 -
3864	PUNJ	P 316	USDA	P 316	-	IND -	0178 -
3865	PUNJ	P 317	USDA	P 317	-	IND -	0178 -
3866	PUNJ	P 318	USDA	P 318	-	IND -	0178 -
3867	PUNJ	P 320	USDA	P 320	-	IND -	0178 -
3868	PUNJ	P 321	USDA	P 321	-	IND -	0178 -
3869	PUNJ	P 322	USDA	P 322	-	IND -	0178 -
3870	PUNJ	P 323	USDA	P 323	-	IND -	0178 -
3871	PUNJ	P 324	USDA	P 324	-	IND -	0178 -
3872	PUNJ	P 325	USDA	P 325	-	IND -	0178 -
3873	PUNJ	P 326	USDA	P 326	-	IND -	0178 -
3874	PUNJ	P 327	USDA	P 327	-	IND -	0178 -
3875	PUNJ	P 328	USDA	P 328	-	IND -	0178 -
3876	PUNJ	P 329	USDA	P 329	-	IND -	0178 -
3877	PUNJ	P 330	USDA	P 330	-	IND -	0178 -
3878	PUNJ	P 331	USDA	P 331	-	IND -	0178 -
3879	PUNJ	P 332	USDA	P 332	-	IND -	0178 -
3880	PUNJ	P 333	USDA	P 333	-	IND -	0178 -
3881	PUNJ	P 335	USDA	P 335	-	IND -	0178 -
3882	PUNJ	P 336	USDA	P 336	-	IND -	0178 -
3883	PUNJ	P 337	USDA	P 337	-	IND -	0178 -
3884	PUNJ	P 338	USDA	P 338	-	IND -	0178 -
3885	PUNJ	P 339	USDA	P 339	-	IND -	0178 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
3886	PUNJ	P 340	USDA	P 340	-	IND -	0178 -
3887	PUNJ	P 341	USDA	P 341	-	IND -	0178 -
3888	PUNJ	P 342	USDA	P 342	-	IND -	0178 -
3889	PUNJ	P 343	USDA	P 343	-	IND -	0178 -
3890	PUNJ	P 345	USDA	P 345	-	IND -	0178 -
3891	PUNJ	P 347	USDA	P 347	-	IND -	0178 -
3892	PUNJ	P 350	USDA	P 350	-	IND -	0178 -
3893	PUNJ	P 352	USDA	P 352	-	IND -	0178 -
3894	PUNJ	P 353	USDA	P 353	-	IND -	0178 -
3895	PUNJ	P 354	USDA	P 354	-	IND -	0178 -
3896	PUNJ	P 355	USDA	P 355	-	IND -	0178 -
3897	PUNJ	P 356	USDA	P 356	-	IND -	0178 -
3898	PUNJ	P 358	USDA	P 358	-	IND -	0178 -
3899	PUNJ	P 360	USDA	P 360	-	IND -	0178 -
3900	PUNJ	P 361	USDA	P 361	-	IND -	0178 -
3901	PUNJ	P 362	USDA	P 362	-	IND -	0178 -
3902	PUNJ	P 363	USDA	P 363	-	IND -	0178 -
3903	PUNJ	P 364	USDA	P 364	-	IND -	0178 -
3904	PUNJ	P 365	USDA	P 365	-	IND -	0178 -
3905	PUNJ	P 366	USDA	P 366	-	IND -	0178 -
3906	PUNJ	P 367	USDA	P 367	-	IND -	0178 -
3907	PUNJ	P 368	USDA	P 368	-	IND -	0178 -
3908	PUNJ	P 369	USDA	P 369	-	IND -	0178 -
3909	PUNJ	P 370	USDA	P 370	-	IND -	0178 -
3910	PUNJ	P 371	USDA	P 371	-	IND -	0178 -
3911	PUNJ	P 372	USDA	P 372	-	IND -	0178 -
3912	PUNJ	P 373	USDA	P 373	-	IND -	0178 -
3913	PUNJ	P 374	USDA	P 374	-	IND -	0178 -
3914	PUNJ	P 375	USDA	P 375	-	IND -	0178 -
3915	PUNJ	P 376	USDA	P 376	-	IND -	0178 -
3916	PUNJ	P 378	USDA	P 378	-	IND -	0178 -
3917	PUNJ	P 379	USDA	P 379	-	IND -	0178 -
3918	PUNJ	P 380	USDA	P 380	-	IND -	0178 -
3919	PUNJ	P 391	USDA	P 391	-	IND -	0178 -
3920	PUNJ	P 393	USDA	P 392	-	IND -	0178 -

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedisfree)	CDat Cou	Province or Town	RDat Ind
3921	PUNJ	P 398	USDA	P 398	-	IND -	0178 -
3922	PUNJ	P 399	USDA	P 399	-	IND -	0178 -
3923	PUNJ	P 400	USDA	P 400	-	IND -	0178 -
3924	PUNJ	P 401	USDA	P 401	-	IND -	0178 -
3925	PUNJ	P 402	USDA	P 402	-	IND -	0178 -
3926	PUNJ	P 404	USDA	P 404	-	IND -	0178 -
3927	PUNJ	P 405	USDA	P 405	-	IND -	0178 -
3928	PUNJ	P 408	USDA	P 408	-	IND -	0178 -
3929	PUNJ	P 410	USDA	P 410	-	IND -	0178 -
3930	PUNJ	P 411	USDA	P 411	-	IND -	0178 -
3931	PUNJ	P 412	USDA	P 412	-	IND -	0178 -
3932	PUNJ	P 413	USDA	P 413	-	IND -	0178 -
3933	PUNJ	P 414	USDA	P 414	-	IND -	0178 -
3934	PUNJ	P 415	USDA	P 415	-	IND -	0178 -
3935	PUNJ	P 416	USDA	P 416	-	IND -	0178 -
3936	PUNJ	P 418	USDA	P 418	-	IND -	0178 -
3937	PUNJ	P 419	USDA	P 419	-	IND -	0178 -
3938	PUNJ	P 420	USDA	P 420	-	IND -	0178 -
3939	PUNJ	P 421	USDA	P 421	-	IND -	0178 -
3940	PUNJ	P 422	USDA	P 422	-	IND -	0178 -
3941	PUNJ	P 423	USDA	P 423	-	IND -	0178 -
3942	PUNJ	P 424	USDA	P 424	-	IND -	0178 -
3943	PUNJ	P 425	USDA	P 425	-	IND -	0178 -
3944	PUNJ	P 426	USDA	P 426	-	IND -	0178 -
3945	PUNJ	P 427	USDA	P 427	-	IND -	0178 -
3946	PUNJ	P 428	USDA	P 428	-	IND -	0178 -
3947	PUNJ	P 429	USDA	P 429	-	IND -	0178 -
3948	PUNJ	P 430	USDA	P 430	-	IND -	0178 -
3949	PUNJ	P 431	USDA	P 431	-	IND -	0178 -
3950	PUNJ	P 432	USDA	P 432	-	IND -	0178 -
3951	PUNJ	P 433	USDA	P 433	-	IND -	0178 -
3952	PUNJ	P 434	USDA	P 434	-	IND -	0178 -
3953	PUNJ	P 435	USDA	P 435	-	IND -	0178 -
3954	PUNJ	P 436	USDA	P 436	-	IND -	0178 -
3955	PUNJ	P 437	USDA	P 437	-	IND -	0178 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
3956	PUNJ	P 438	USDA	P 438	-	IND -	0178 -
3957	PUNJ	P 439	USDA	P 439	-	IND -	0178 -
3958	PUNJ	P 440	USDA	P 440	-	IND -	0178 -
3959	PUNJ	P 441	USDA	P 441	-	IND -	0178 -
3960	PUNJ	P 442	USDA	P 442	-	IND -	0178 -
3961	PUNJ	P 443	USDA	P 443	-	IND -	0178 -
3962	PUNJ	P 445	USDA	P 445	-	IND -	0178 -
3963	PUNJ	P 447	USDA	P 447	-	IND -	0178 -
3964	PUNJ	P 450	USDA	P 450	-	IND -	0178 -
3965	PUNJ	P 453	USDA	P 453	-	IND -	0178 -
3966	PUNJ	P 456	USDA	P 456	-	IND -	0178 -
3967	PUNJ	P 457	USDA	P 457	-	IND -	0178 -
3968	PUNJ	P 458	USDA	P 458	-	IND -	0178 -
3969	PUNJ	P 462	USDA	P 462	-	IND -	0178 -
3970	PUNJ	P 463	USDA	P 463	-	IND -	0178 -
3971	PUNJ	P 464	USDA	P 464	-	IND -	0178 -
3972	PUNJ	P 465	USDA	P 465	-	IND -	0178 -
3973	PUNJ	P 467	USDA	P 467	-	IND -	0178 -
3974	PUNJ	P 468	USDA	P 468	-	IND -	0178 -
3975	PUNJ	P 469	USDA	P 469	-	IND -	0178 -
3976	PUNJ	P 470	USDA	P 470	-	IND -	0178 -
3977	PUNJ	P 471	USDA	P 471	-	IND -	0178 -
3978	PUNJ	P 472	USDA	P 472	-	IND -	0178 -
3979	PUNJ	P 473	USDA	P 473	-	IND -	0178 -
3980	PUNJ	P 475	USDA	P 475	-	IND -	0178 -
3981	PUNJ	P 476	USDA	P 476	-	IND -	0178 -
3982	PUNJ	P 477	USDA	P 477	-	IND -	0178 -
3983	PUNJ	P 478	USDA	P 478	-	IND -	0178 -
3984	PUNJ	P 480	USDA	P 480	-	IND -	0178 -
3985	PUNJ	P 483	USDA	P 483	-	IND -	0178 -
3986	PUNJ	P 485	USDA	P 485	-	IND -	0178 -
3987	PUNJ	P 486	USDA	P 486	-	IND -	0178 -
3988	PUNJ	P 487	USDA	P 487	-	IND -	0178 -
3989	PUNJ	P 488	USDA	P 488	-	IND -	0178 -
3990	PUNJ	P 489	USDA	P 489	-	IND -	0178 -

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
3991	PUNJ	P 490	USDA	P 490	-	IND -	0178 -
3992	PUNJ	P 492	USDA	P 492	-	IND -	0178 -
3993	PUNJ	P 495	USDA	P 495	-	IND -	0178 -
3994	PUNJ	P 497	USDA	P 497	-	IND -	0178 -
3995	PUNJ	P 498	USDA	P 498	-	IND -	0178 -
3996	PUNJ	P 499	USDA	P 499	-	IND -	0178 -
3997	PUNJ	P 501	USDA	P 501	-	IND -	0178 -
3998	PUNJ	P 502	USDA	P 502	-	IND -	0178 -
3999	PUNJ	P 503	USDA	P 503	-	IND -	0178 -
4000	PUNJ	P 504	USDA	P 504	-	IND -	0178 -
4001	PUNJ	P 505	USDA	P 505	-	IND -	0178 -
4002	PUNJ	P 506	USDA	P 506	-	IND -	0178 -
4003	PUNJ	P 507	USDA	P 507	-	IND -	0178 -
4004	PUNJ	P 508	USDA	P 508	-	IND -	0178 -
4005	PUNJ	P 509	USDA	P 509	-	IND -	0178 -
4006	PUNJ	P 510	USDA	P 510	-	IND -	0178 -
4007	PUNJ	P 511	USDA	P 511	-	IND -	0178 -
4008	PUNJ	P 512	USDA	P 512	-	IND -	0178 -
4009	PUNJ	P 516	USDA	P 516	-	IND -	0178 -
4010	PUNJ	P 517	USDA	P 517	-	IND -	0178 -
4011	PUNJ	P 518	USDA	P 518	-	IND -	0178 -
4012	PUNJ	P 522	USDA	P 522	-	IND -	0178 -
4013	PUNJ	P 523	USDA	P 523	-	IND -	0178 -
4014	PUNJ	P 524	USDA	P 524	-	IND -	0178 -
4015	PUNJ	P 525	USDA	P 525	-	IND -	0178 -
4016	PUNJ	P 526	USDA	P 526	-	IND -	0178 -
4017	PUNJ	P 527	USDA	P 527	-	IND -	0178 -
4018	PUNJ	P 531	USDA	P 531	-	IND -	0178 -
4019	PUNJ	P 532	USDA	P 532	-	IND -	0178 -
4020	PUNJ	P 533	USDA	P 533	-	IND -	0178 -
4021	PUNJ	P 534	USDA	P 534	-	IND -	0178 -
4022	PUNJ	P 537	USDA	P 537	-	IND -	0178 -
4023	PUNJ	P 538	USDA	P 538	-	IND -	0178 -
4024	PUNJ	P 539	USDA	P 539	-	IND -	0178 -
4025	PUNJ	P 540	USDA	P 540	-	IND -	0178 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
4026	PUNJ	P 541	USDA	P 541	-	IND -	0178 -
4027	PUNJ	P 543	USDA	P 543	-	IND -	0178 -
4028	PUNJ	P 545	USDA	P 545	-	IND -	0178 -
4029	PUNJ	P 546	USDA	P 546	-	IND -	0178 -
4030	PUNJ	P 547	USDA	P 547	-	IND -	0178 -
4031	PUNJ	P 549	USDA	P 549	-	IND -	0178 -
4032	PUNJ	P 550	USDA	P 550	-	IND -	0178 -
4033	PUNJ	P 555	USDA	P 555	-	IND -	0178 -
4034	PUNJ	P 562	USDA	P 562	-	IND -	0178 -
4035	PUNJ	P 564	USDA	P 564	-	IND -	0178 -
4036	PUNJ	P 565	USDA	P 565	-	IND -	0178 -
4037	PUNJ	P 566	USDA	P 566	-	IND -	0178 -
4038	PUNJ	P 567	USDA	P 567	-	IND -	0178 -
4039	PUNJ	P 573	USDA	P 573	-	IND -	0178 -
4040	PUNJ	P 578	USDA	P 578	-	IND -	0178 -
4041	PUNJ	P 580	USDA	P 580	-	IND -	0178 -
4042	PUNJ	P 581	USDA	P 581	-	IND -	0178 -
4043	PUNJ	P 584	USDA	P 584	-	IND -	0178 -
4044	PUNJ	P 585	USDA	P 585	-	IND -	0178 -
4045	PUNJ	P 588	USDA	P 588	-	IND -	0178 -
4046	PUNJ	P 589	USDA	P 589	-	IND -	0178 -
4047	PUNJ	P 590	USDA	P 590	-	IND -	0178 -
4048	PUNJ	P 592	USDA	P 592	-	IND -	0178 -
4049	PUNJ	P 593	USDA	P 593	-	IND -	0178 -
4050	PUNJ	P 594	USDA	P 594	-	IND -	0178 -
4051	PUNJ	P 596	USDA	P 596	-	IND -	0178 -
4052	PUNJ	P 597	USDA	P 597	-	IND -	0178 -
4053	PUNJ	P 598	USDA	P 598	-	IND -	0178 -
4054	PUNJ	P 600	USDA	P 600	-	IND -	0178 -
4055	PUNJ	P 604	USDA	P 604	-	IND -	0178 -
4056	PUNJ	P 606	USDA	P 606	-	IND -	0178 -
4057	PUNJ	P 608	USDA	P 608	-	IND -	0178 -
4058	PUNJ	P 611	USDA	P 611	-	IND -	0178 -
4059	PUNJ	P 613	USDA	P 613	-	IND -	0178 -
4060	PUNJ	P 617	USDA	P 617	-	IND -	0178 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
4061	PUNJ	P 621	USDA	P 621	-	IND -	0178 -
4062	PUNJ	P 622	USDA	P 622	-	IND -	0178 -
4063	PUNJ	P 623	USDA	P 623	-	IND -	0178 -
4064	PUNJ	P 625	USDA	P 625	-	IND -	0178 -
4065	PUNJ	P 626	USDA	P 626	-	IND -	0178 -
4066	PUNJ	P 627	USDA	P 627	-	IND -	0178 -
4067	PUNJ	P 628	USDA	P 628	-	IND -	0178 -
4068	PUNJ	P 629	USDA	P 629	-	IND -	0178 -
4069	PUNJ	P 630	USDA	P 630	-	IND -	0178 -
4070	PUNJ	P 631	USDA	P 631	-	IND -	0178 -
4071	PUNJ	P 632	USDA	P 632	-	IND -	0178 -
4072	PUNJ	P 633	USDA	P 633	-	IND -	0178 -
4073	PUNJ	P 634	USDA	P 634	-	IND -	0178 -
4074	PUNJ	P 635	USDA	P 635	-	IND -	0178 -
4075	PUNJ	P 636	USDA	P 636	-	IND -	0178 -
4076	PUNJ	P 637	USDA	P 637	-	IND -	0178 -
4077	PUNJ	P 638	USDA	P 638	-	IND -	0178 -
4078	PUNJ	P 639	USDA	P 639	-	IND -	0178 -
4079	PUNJ	P 640	USDA	P 640	-	IND -	0178 -
4080	PUNJ	P 641	USDA	P 641	-	IND -	0178 -
4081	PUNJ	P 642	USDA	P 642	-	IND -	0178 -
4082	PUNJ	P 643	USDA	P 643	-	IND -	0178 -
4083	PUNJ	P 644	USDA	P 644	-	IND -	0178 -
4084	PUNJ	P 645	USDA	P 645	-	IND -	0178 -
4085	PUNJ	P 647	USDA	P 647	-	IND -	0178 -
4086	PUNJ	P 648	USDA	P 648	-	IND -	0178 -
4087	PUNJ	P 650	USDA	P 650	-	IND -	0178 -
4088	PUNJ	P 651	USDA	P 651	-	IND -	0178 -
4089	PUNJ	P 652	USDA	P 652	-	IND -	0178 -
4090	PUNJ	P 653	USDA	P 653	-	IND -	0178 -
4091	PUNJ	P 654	USDA	P 654	-	IND -	0178 -
4092	PUNJ	P 655	USDA	P 655	-	IND -	0178 -
4093	PUNJ	P 656	USDA	P 656	-	IND -	0178 -
4094	PUNJ	P 659	USDA	P 659	-	IND -	0178 -
4095	PUNJ	P 663	USDA	P 663	-	IND -	0178 -

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
4096	PUNJ	P 665	USDA	P 665	IND	-	0178 -
4097	PUNJ	P 666	USDA	P 666	IND	-	0178 -
4098	PUNJ	P 667	USDA	P 667	IND	-	0178 -
4099	PUNJ	P 670	USDA	P 670	IND	-	0178 -
4100	PUNJ	P 673	USDA	P 673	IND	-	0178 -
4101	PUNJ	P 675	USDA	P 675	IND	-	0178 -
4102	PUNJ	P 676	USDA	P 676	IND	-	0178 -
4103	PUNJ	P 679	USDA	P 679	IND	-	0178 -
4104	PUNJ	P 682	USDA	P 682	IND	-	0178 -
4105	PUNJ	P 684	USDA	P 684	IND	-	0178 -
4106	PUNJ	P 688	USDA	P 688	IND	-	0178 -
4107	PUNJ	P 689	USDA	P 689	IND	-	0178 -
4108	PUNJ	P 690	USDA	P 690	IND	-	0178 -
4109	PUNJ	P 692	USDA	P 692	IND	-	0178 -
4110	PUNJ	P 699	USDA	P 699	IND	-	0178 -
4111	PUNJ	P 700	USDA	P 700	IND	-	0178 -
4112	PUNJ	P 701	USDA	P 701	IND	-	0178 -
4113	PUNJ	P 702	USDA	P 702	IND	-	0178 -
4114	PUNJ	P 703	USDA	P 703	IND	-	0178 -
4115	PUNJ	P 704	USDA	P 704	IND	-	0178 -
4116	PUNJ	P 705	USDA	P 705	IND	-	0178 -
4117	PUNJ	P 706	USDA	P 706	IND	-	0178 -
4118	PUNJ	P 710	USDA	P 710	IND	-	0178 -
4119	PUNJ	P 711	USDA	P 711	IND	-	0178 -
4120	PUNJ	P 712	USDA	P 712	IND	-	0178 -
4121	PUNJ	P 713	USDA	P 713	IND	-	0178 -
4122	PUNJ	P 715	USDA	P 715	IND	-	0178 -
4123	PUNJ	P 716	USDA	P 716	IND	-	0178 -
4124	PUNJ	P 721	USDA	P 721	IND	-	0178 -
4125	PUNJ	P 727	USDA	P 727	IND	-	0178 -
4126	PUNJ	P 732	USDA	P 732	IND	-	0178 -
4127	PUNJ	P 733	USDA	P 733	IND	-	0178 -
4128	PUNJ	P 738	USDA	P 738	IND	-	0178 -
4129	PUNJ	P 741	USDA	P 741	IND	-	0178 -
4130	PUNJ	P 742	USDA	P 742	IND	-	0178 -

ILL	Don Org	Don No	Col Ors Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
4131	PUNJ	P 743	USDA	P 743	-	IND -	0178 -
4132	PUNJ	P 744	USDA	P 744	-	IND -	0178 -
4133	PUNJ	P 746	USDA	P 746	-	IND -	0178 -
4134	PUNJ	P 747	USDA	P 747	-	IND -	0178 -
4135	PUNJ	P 749	USDA	P 749	-	IND -	0178 -
4136	PUNJ	P 750	USDA	P 750	-	IND -	0178 -
4137	PUNJ	P 751	USDA	P 751	-	IND -	0178 -
4138	PUNJ	P 752	USDA	P 752	-	IND -	0178 -
4139	PUNJ	P 754	USDA	P 754	-	IND -	0178 -
4140	PUNJ	P 760	USDA	P 760	-	IND -	0178 -
4141	PUNJ	P 765	USDA	P 765	-	IND -	0178 -
4142	PUNJ	P 766	USDA	P 766	-	IND -	0178 -
4143	PUNJ	P 767	USDA	P 767	-	IND -	0178 -
4144	PUNJ	P 768	USDA	P 768	-	IND -	0178 -
4145	PUNJ	P 769	USDA	P 769	-	IND -	0178 -
4146	PUNJ	P 771	USDA	P 771	-	IND -	0178 -
4147	PUNJ	P 773	USDA	P 773	-	IND -	0178 -
4148	PUNJ	P 777	USDA	P 777	-	IND -	0178 -
4149	PUNJ	P 779	USDA	P 779	-	IND -	0178 -
4150	PUNJ	P 790	USDA	P 790	-	IND -	0178 -
4151	PUNJ	P 791	USDA	P 791	-	IND -	0178 -
4152	PUNJ	P 793	USDA	P 793	-	IND -	0178 -
4153	PUNJ	P 798	USDA	P 798	-	IND -	0178 -
4154	PUNJ	P 803	USDA	P 803	-	IND -	0178 -
4155	PUNJ	P 804	USDA	P 804	-	IND -	0178 -
4156	PUNJ	P 805	USDA	P 805	-	IND -	0178 -
4157	PUNJ	P 806	USDA	P 806	-	IND -	0178 -
4158	PUNJ	P 807	USDA	P 807	-	IND -	0178 -
4159	PUNJ	P 808	USDA	P 808	-	IND -	0178 -
4160	PUNJ	P 810	USDA	P 810	-	IND -	0178 -
4161	PUNJ	P 812	USDA	P 812	-	IND -	0178 -
4162	PUNJ	P 816	USDA	P 816	-	IND -	0178 -
4163	PUNJ	P 817	USDA	P 817	-	IND -	0178 -
4164	PUNJ	P 818	USDA	P 818	-	IND -	0178 -
4165	PUNJ	P 819	USDA	P 819	-	IND -	0178 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
4166	PUNJ	P 820	USDA	P 820	-	IND -	0178 -
4167	PUNJ	P 821	USDA	P 821	-	IND -	0178 -
4168	PUNJ	P 822	USDA	P 822	-	IND -	0178 -
4169	PUNJ	P 823	USDA	P 823	-	IND -	0178 -
4170	PUNJ	P 824	USDA	P 824	-	IND -	0178 -
4171	PUNJ	P 828	USDA	P 828	-	IND -	0178 -
4172	PUNJ	P 829	USDA	P 829	-	IND -	0178 -
4173	PUNJ	P 830	USDA	P 830	-	IND -	0178 -
4174	PUNJ	P 834	USDA	P 834	-	IND -	0178 -
4175	PUNJ	P 835	USDA	P 835	-	IND -	0178 -
4176	PUNJ	P 836	USDA	P 836	-	IND -	0178 -
4177	PUNJ	P 838	USDA	P 838	-	IND -	0178 -
4178	PUNJ	P 840	USDA	P 840	-	IND -	0178 -
4179	PUNJ	P 845	USDA	P 845	-	IND -	0178 -
4180	PUNJ	P 848	USDA	P 848	-	IND -	0178 -
4181	PUNJ	P 849	USDA	P 849	-	IND -	0178 -
4182	PUNJ	P 850	USDA	P 850	-	IND -	0178 -
4183	PUNJ	P 854	USDA	P 854	-	IND -	0178 -
4184	PUNJ	P 858	USDA	P 858	-	IND -	0178 -
4185	PUNJ	P 861	USDA	P 861	-	IND -	0178 -
4186	PUNJ	P 863	USDA	P 863	-	IND -	0178 -
4187	PUNJ	P 864	USDA	P 864	-	IND -	0178 -
4188	PUNJ	P 865	USDA	P 865	-	IND -	0178 -
4189	PUNJ	P 866	USDA	P 866	-	IND -	0178 -
4190	PUNJ	P 867	USDA	P 867	-	IND -	0178 -
4191	PUNJ	P 869	USDA	P 869	-	IND -	0178 -
4192	PUNJ	P 870	USDA	P 870	-	IND -	0178 -
4193	PUNJ	P 871	USDA	P 871	-	IND -	0178 -
4194	PUNJ	P 872	USDA	P 872	-	IND -	0178 -
4195	PUNJ	P 873	USDA	P 873	-	IND -	0178 -
4196	PUNJ	P 874	USDA	P 874	-	IND -	0178 -
4197	PUNJ	P 876	USDA	P 876	-	IND -	0178 -
4198	PUNJ	P 877	USDA	P 877	-	IND -	0178 -
4199	PUNJ	P 878	USDA	P 878	-	IND -	0178 -
4200	PUNJ	P 883	USDA	P 883	-	IND -	0178 -

ILCO Desimpresas	Don 896	Col 191's Collector	Col 191's No (Pedisree)	CDat C669	Province or Town	RDat Ind
42018 PUNJ	P 884	USDA	P 884	IND	-	0178 -
42021 PUNJ	P 886	USDA	P 886	IND	-	0178 -
42031 PUNJ	P 887	USDA	P 887	IND	-	0178 -
4204 PUNJ	P 888	USDA	P 888	IND	-	0178 -
4205 PUNJ	P 889	USDA	P 889	IND	-	0178 -
4206 PUNJ	P 890	USDA	P 890	IND	-	0178 -
4207 PUNJ	P 891	USDA	P 891	IND	-	0178 -
4208 PUNJ	P 892	USDA	P 892	IND	-	0178 -
4209 PUNJ	P 893	USDA	P 893	IND	-	0178 -
4210 PUNJ	P 894	USDA	P 894	IND	-	0178 -
4211 PUNJ	P 895	USDA	P 895	IND	-	0178 -
4212 PUNJ	P 896	USDA	P 896	IND	-	0178 -
4213 PUNJ	P 897	USDA	P 897	IND	-	0178 -
4214 PUNJ	P 898	USDA	P 898	IND	-	0178 -
4215 PUNJ	P 899	USDA	P 899	IND	-	0178 -
4216 PUNJ	P 900	USDA	P 900	IND	-	0178 -
4217 PUNJ	P 901	USDA	P 901	IND	-	0178 -
4218 PUNJ	P 902	USDA	P 902	IND	-	0178 -
4219 PUNJ	P 903	USDA	P 903	IND	-	0178 -
4220 PUNJ	P 904	USDA	P 904	IND	-	0178 -
4221 PUNJ	P 905	USDA	P 905	IND	-	0178 -
4222 PUNJ	P 906	USDA	P 906	IND	-	0178 -
4223 PUNJ	P 907	USDA	P 907	IND	-	0178 -
4224 PUNJ	P 908	USDA	P 908	IND	-	0178 -
4225 PUNJ	P 909	USDA	P 909	IND	-	0178 -
4226 PUNJ	P 910	USDA	P 910	IND	-	0178 -
4227 PUNJ	P 911	USDA	P 911	IND	-	0178 -
4228 PUNJ	P 912	USDA	P 912	IND	-	0178 -
4229 PUNJ	P 913	USDA	P 913	IND	-	0178 -
4230 PUNJ	P 914	USDA	P 914	IND	-	0178 -
4231 PUNJ	P 915	USDA	P 915	IND	-	0178 -
4232 PUNJ	P 916	USDA	P 916	IND	-	0178 -
4233 PUNJ	P 917	USDA	P 917	IND	-	0178 -
4234 PUNJ	P 918	USDA	P 918	IND	-	0178 -
4235 PUNJ	P 919	USDA	P 919	IND	-	0178 -
4236 PUNJ	P 920	USDA	P 920	IND	-	0178 -
4237 PUNJ	P 921	USDA	P 921	IND	-	0178 -
4238 PUNJ	P 922	USDA	P 922	IND	-	0178 -
4239 PUNJ	P 923	USDA	P 923	IND	-	0178 -
4240 PUNJ	P 924	USDA	P 924	IND	-	0178 -
4241 PUNJ	P 925	USDA	P 925	IND	-	0178 -
4242 PUNJ	P 926	USDA	P 926	IND	-	0178 -
4243 PUNJ	P 927	USDA	P 927	IND	-	0178 -
4244 PUNJ	P 928	USDA	P 928	IND	-	0178 -
4245 PUNJ	P 929	USDA	P 929	IND	-	0178 -
4246 PUNJ	P 930	USDA	P 930	IND	-	0178 -
4247 PUNJ	P 931	USDA	P 931	IND	-	0178 -
4248 PUNJ	P 932	USDA	P 932	IND	-	0178 -
4249 PUNJ	P 933	USDA	P 933	IND	-	0178 -
4250 PUNJ	P 934	USDA	P 934	IND	-	0178 -
4251 PUNJ	P 935	USDA	P 935	IND	-	0178 -
4252 PUNJ	P 936	USDA	P 936	IND	-	0178 -
4253 PUNJ	P 937	USDA	P 937	IND	-	0178 -
4254 PUNJ	P 938	USDA	P 938	IND	-	0178 -
4255 PUNJ	P 939	USDA	P 939	IND	-	0178 -
4256 PUNJ	P 940	USDA	P 940	IND	-	0178 -
4257 PUNJ	P 941	USDA	P 941	IND	-	0178 -
4258 PUNJ	P 942	USDA	P 942	IND	-	0178 -
4259 PUNJ	P 943	USDA	P 943	IND	-	0178 -
4260 PUNJ	P 944	USDA	P 944	IND	-	0178 -
4261 PUNJ	P 945	USDA	P 945	IND	-	0178 -
4262 PUNJ	P 946	USDA	P 946	IND	-	0178 -
4263 PUNJ	P 947	USDA	P 947	IND	-	0178 -
4264 PUNJ	P 948	USDA	P 948	IND	-	0178 -
4265 PUNJ	P 949	USDA	P 949	IND	-	0178 -
4266 PUNJ	P 950	USDA	P 950	IND	-	0178 -

ILL	Don' Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
4236	PUNJ	P 951	USDA	P 951	-	IND -	0178 -
4237	PUNJ	P 952	USDA	P 952	-	IND -	0178 -
4238	PUNJ	P 953	USDA	P 953	-	IND -	0178 -
4239	PUNJ	P 954	USDA	P 954	-	IND -	0178 -
4240	PUNJ	P 955	USDA	P 955	-	IND -	0178 -
4241	PUNJ	P 956	USDA	P 956	-	IND -	0178 -
4242	PUNJ	P 957	USDA	P 957	-	IND -	0178 -
4243	PUNJ	P 959	USDA	P 959	-	IND -	0178 -
4244	PUNJ	P 961	USDA	P 961	-	IND -	0178 -
4245	PUNJ	P 962	USDA	P 962	-	IND -	0178 -
4246	PUNJ	P 967	USDA	P 967	-	IND -	0178 -
4247	PUNJ	P 971	USDA	P 971	-	IND -	0178 -
4248	PUNJ	P 972	USDA	P 972	-	IND -	0178 -
4249	PUNJ	P 973	USDA	P 973	-	IND -	0178 -
4250	PUNJ	P 975	USDA	P 975	-	IND -	0178 -
4251	PUNJ	P 976	USDA	P 976	-	IND -	0178 -
4252	PUNJ	P 977	USDA	P 977	-	IND -	0178 -
4253	PUNJ	P 978	USDA	P 978	-	IND -	0178 -
4254	PUNJ	P 979	USDA	P 979	-	IND -	0178 -
4255	PUNJ	P 980	USDA	P 980	-	IND -	0178 -
4256	PUNJ	P 981	USDA	P 981	-	IND -	0178 -
4257	PUNJ	P 983	USDA	P 983	-	IND -	0178 -
4258	PUNJ	P 985	USDA	P 985	-	IND -	0178 -
4259	PUNJ	P 986	USDA	P 986	-	IND -	0178 -
4260	PUNJ	P 989	USDA	P 989	-	IND -	0178 -
4261	PUNJ	P 990	USDA	P 990	-	IND -	0178 -
4262	PUNJ	P 993	USDA	P 993	-	IND -	0178 -
4263	PUNJ	P 996	USDA	P 996	-	IND -	0178 -
4264	PUNJ	P 997	USDA	P 997	-	IND -	0178 -
4265	PUNJ	P 1000	USDA	P 1000	-	IND -	0178 -
4266	PUNJ	P 1002	USDA	P 1002	-	IND -	0178 -
4267	PUNJ	P 1007	USDA	P 1007	-	IND -	0178 -
4268	PUNJ	P 1009	USDA	P 1009	-	IND -	0178 -
4269	PUNJ	P 1011	USDA	P 1011	-	IND -	0178 -
4270	PUNJ	P 1018	USDA	P 1018	-	IND -	0178 -

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
4271	PUNJ	P 1021	USDA	-	P 1021	-	IND -	0178 -
4272	PUNJ	P 1030	USDA	-	P 1030	-	IND -	0178 -
4273	PUNJ	P 1031	USDA	-	P 1031	-	IND -	0178 -
4274	PUNJ	P 1032	USDA	-	P 1032	-	IND -	0178 -
4275	PUNJ	P 1033	USDA	-	P 1033	-	IND -	0178 -
4276	PUNJ	P 1034	USDA	-	P 1034	-	IND -	0178 -
4277	PUNJ	P 1035	USDA	-	P 1035	-	IND -	0178 -
4278	PUNJ	P 1036	USDA	-	P 1036	-	IND -	0178 -
4279	PUNJ	P 1041	USDA	-	P 1041	-	IND -	0178 -
4280	PUNJ	P 1042	USDA	-	P 1042	-	IND -	0178 -
4281	PUNJ	P 1044	USDA	-	P 1044	-	IND -	0178 -
4282	PUNJ	P 1045	USDA	-	P 1045	-	IND -	0178 -
4283	PUNJ	P 1046	USDA	-	P 1046	-	IND -	0178 -
4284	PUNJ	P 1047	USDA	-	P 1047	-	IND -	0178 -
4285	PUNJ	P 1048	USDA	-	P 1048	-	IND -	0178 -
4286	PUNJ	P 1057	USDA	-	P 1057	-	IND -	0178 -
4287	PUNJ	P 1060	USDA	-	P 1060	-	IND -	0178 -
4288	PUNJ	P 1062	USDA	-	P 1062	-	IND -	0178 -
4289	PUNJ	P 1064	USDA	-	P 1064	-	IND -	0178 -
4290	PUNJ	P 1065	USDA	-	P 1065	-	IND -	0178 -
4291	PUNJ	P 1068	USDA	-	P 1068	-	IND -	0178 -
4292	PUNJ	P 1069	USDA	-	P 1069	-	IND -	0178 -
4293	PUNJ	P 1070	USDA	-	P 1070	-	IND -	0178 -
4294	PUNJ	P 1071	USDA	-	P 1071	-	IND -	0178 -
4295	PUNJ	P 1072	USDA	-	P 1072	-	IND -	0178 -
4296	PUNJ	P 1073	USDA	-	P 1073	-	IND -	0178 -
4297	PUNJ	P 1075	USDA	-	P 1075	-	IND -	0178 -
4298	PUNJ	P 1081	USDA	-	P 1081	-	IND -	0178 -
4299	PUNJ	P 1090	USDA	-	P 1090	-	IND -	0178 -
4300	PUNJ	P 1091	USDA	-	P 1091	-	IND -	0178 -
4301	PUNJ	P 1092	USDA	-	P 1092	-	IND -	0178 -
4302	PUNJ	P 1093	USDA	-	P 1093	-	IND -	0178 -
4303	PUNJ	P 1095	USDA	-	P 1095	-	IND -	0178 -
4304	PUNJ	P 1096	USDA	-	P 1096	-	IND -	0178 -
4305	PUNJ	P 1097	USDA	-	P 1097	-	IND -	0178 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
4306	PUNJ	P 1098	USDA	P 1098	-	IND -	0178 -
4307	PUNJ	P 1099	USDA	P 1099	-	IND -	0178 -
4308	PUNJ	P 1100	USDA	P 1100	-	IND -	0178 -
4309	PUNJ	P 1101	USDA	P 1101	-	IND -	0178 -
4310	PUNJ	P 1102	USDA	P 1102	-	IND -	0178 -
4311	PUNJ	P 1106	USDA	P 1106	-	IND -	0178 -
4312	PUNJ	P 1109	USDA	P 1109	-	IND -	0178 -
4313	PUNJ	P 1110	USDA	P 1110	-	IND -	0178 -
4314	PUNJ	P 1119	USDA	P 1119	-	IND -	0178 -
4315	PUNJ	P 1120	USDA	P 1120	-	IND -	0178 -
4316	PUNJ	P 1122	USDA	P 1122	-	IND -	0178 -
4317	PUNJ	P 1123	USDA	P 1123	-	IND -	0178 -
4318	PUNJ	P 1132	USDA	P 1132	-	IND -	0178 -
4319	PUNJ	P 1135	USDA	P 1135	-	IND -	0178 -
4320	PUNJ	P 1140	USDA	P 1140	-	IND -	0178 -
4321	PUNJ	P 1143	USDA	P 1143	-	IND -	0178 -
4322	PUNJ	P 1150	USDA	P 1150	-	IND -	0178 -
4323	PUNJ	P 1154	USDA	P 1154	-	IND -	0178 -
4324	PUNJ	P 1155	USDA	P 1155	-	IND -	0178 -
4325	PUNJ	P 1162	USDA	P 1162	-	IND -	0178 -
4326	PUNJ	P 1166	USDA	P 1166	-	IND -	0178 -
4327	PUNJ	P 1169	USDA	P 1169	-	IND -	0178 -
4328	PUNJ	P 1170	USDA	P 1170	-	IND -	0178 -
4329	PUNJ	P 1171	USDA	P 1171	-	IND -	0178 -
4330	PUNJ	P 1174	USDA	P 1174	-	IND -	0178 -
4331	PUNJ	P 1175	USDA	P 1175	-	IND -	0178 -
4332	PUNJ	P 1176	USDA	P 1176	-	IND -	0178 -
4333	PUNJ	P 1178	USDA	P 1178	-	IND -	0178 -
4334	PUNJ	P 1181	USDA	P 1181	-	IND -	0178 -
4335	PUNJ	P 1183	USDA	P 1183	-	IND -	0178 -
4336	PUNJ	P 27192	-	-	-	IND -	0178 -
4337	PUNJ	S 136	PORS	S 136	-	IND -	0178 -
4338	PUNJ	SAINDAS	PUNJ	SAINDAS	-	IND -	0178 -
4339	PUNJ	SHAMPURI	-	SHAMPURI	-	IND -	0178 -
4340	PUNJ	T 3	KANPUR	T 3	-	IND -	0178 -

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedisree)	CDat	Cou	Province or Town	RDat	Ind
4341	PUNJ	T 36	KANPUR	-	T 36	-	IND	-	0178	-
4342	PUNJ	TT 1	PUNJ	-	TT 1	-	IND	TARANTAARAN	0178	-
4343	PUNJ	TT 2	PUNJ	-	TT 2	-	IND	TARANTAARAN	0178	-
4344	PUNJ	TT 3	PUNJ	-	TT 3	-	IND	TARANTAARAN	0178	-
4345	PUNJ	5091	-	-	-	-	-	-	0178	-
4346	PUNJ	5092	-	-	-	-	-	-	0178	-
4347	PUNJ	22-3	-	-	-	-	-	-	0178	-
4348	PUNJ	15635	-	-	-	-	-	-	0178	-
4349	CDC	LAIRD	CDC	A.SLINKARD	PI 434028	-	CAN	-	0478	-
4350	-	FROM ILL 2947	-	-	-	-	IND	-	0578	-
4351	-	-	ICARDA	-	IRANIAN LOCAL	-	IRN	BOSTANABAN	0978	-
4352	-	-	ICARDA	G.C.HAMTIN	TURKISH LOCAL	-	TUR	BURDUR	0978	-
4353	PUNJ	L-9-12	PUNJ	-	L-9-12	-	IND	-	0978	-
4354	-	-	ICARDA	-	JORDANIAN LOCAL	-	JOR	-	0978	-
4355	IARI	L 2588	-	-	L 2588	-	IND	-	1078	-
4356	IARI	L 2590	-	-	L 2590	-	IND	-	1078	-
4357	IARI	L 2597	-	-	L 2597	-	IND	-	1078	-
4358	IARI	L 2724	-	-	L 2724	-	IND	-	1078	-
4359	IARI	L 2725	-	-	L 2725	-	IND	-	1078	-
4360	IARI	HAMIRPUR LOCAL	IARI	-	HAMIRPUR LOCAL	-	IND	-	1078	-
4361	-	-	ICARDA	H.IBRAHIM	-	-	IRN	ARDABIL	1078	-
4362	-	-	ICARDA	H.IBRAHIM	-	-	IRN	ARDABIL	1078 *	-
4363	-	-	ICARDA	H.IBRAHIM	-	-	IRN	AHAR	1078	-
4364	-	-	ICARDA	H.IBRAHIM	-	-	IRN	AHAR	1078	-
4365	-	-	ICARDA	Y.ADHAM	-	-	JOR	MA'AN	1078	-
4366	-	-	ICARDA	Y.ADHAM	-	-	SYR	QADHUS	1078	-
4367	-	-	ICARDA	Y.ADHAM	-	-	SYR	EL GHAB	1078 *	-
4368	-	-	ICARDA	-	CYPRIT LOCAL	-	CYP	-	1078	-
4369	-	-	ICARDA	A.M.WATSON	TUNISIAN LOCAL	-	TUN	TUNIS	1178 *	-
4370	-	-	ICARDA	A.M.WATSON	IRABI LOCAL	-	IRQ	BAGHDAD	1178 *	-
4371	IARI	JL 443	JNKVV	-	JL 443	-	IND	-	1178	-
4372	IARI	JL 446	JNKVV	-	JL 446	-	IND	-	1178	-
4373	IARI	JL 517	JNKVV	-	JL 517	-	IND	-	1178	-
4374	IARI	JL 717	JNKVV	-	JL 717	-	IND	-	1178	-
4375	IARI	JL 814	JNKVV	-	JL 814	-	IND	-	1178	-

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
4376	IARI	EC 10	-	-	-	-	1178 -
4377	IARI	LP 286	-	-	-	IND	1178 -
4378	IARI	PANT L 209	PANT	-	-	IND	1178 -
4379	IARI	PANT L 220	PANT	-	-	IND	1178 -
4380	IARI	PANT L 234	PANT	-	-	IND	1178 -
4381	-	-	ICARDA M. SOLH	-	-	GRC ATHENS	0679 *
4382	-	-	ICARDA M. SOLH	-	-	GRC ATHENS	0679 -
4383	-	-	ICARDA M. SOLH	-	-	TUR GAZIANTEP	0679 -
4384	IFC	ERVUM LENS 1	IFC	F 1	-	GRC	0679 -
4385	IFC	ERVUM LENS 30	IFC	F 30	-	GRC	0679 -
4386	IFC	ERVUM LENS M1956	IFC	M 1956	-	GRC	0679 -
4387	ARCG	FAMILY 310	ARCG	F 310	-	EGY GIZA	0679 -
4388	ARCG	FAMILY 370	ARCG	F 370	-	EGY GIZA	0679 -
4389	ARCG	ILL 231	-	-	-	EGY	0679 -
4390	DZ	EL 50	DZ	-	-	ETH	0679 -
4391	DZ	EL 59	DZ	-	-	ETH	0679 -
4392	DZ	EL 74	DZ	-	-	ETH	0679 -
4393	DZ	EL 103	DZ	-	-	ETH	0679 -
4394	DZ	EL 120	DZ	-	-	ETH	0679 -
4395	DZ	EL 122	DZ	-	-	ETH	0679 -
4396	DZ	EL 142	DZ	-	-	ETH	0679 -
4397	DZ	ADDIS SHOA	DZ	ADDIS SHOA	-	ETH	0679 -
4398	DZ	LASTA LALIBELLA	DZ	LASTA LALIBELLA	-	ETH	0679 -
4399	-	-	ICARDA	LEBANESE LOCAL	-	LBN	0679 -
4400	-	-	ICARDA	SYRIAN LOCAL LARGE	-	SYR	0679 -
4401	-	-	ICARDA	SYRIAN LOCAL SMALL	-	SYR	0679 -
4402	NARC	12	FAISAL	12	-	PAK	0979 -
4403	NARC	162	FAISAL	162	-	PAK	0979 -
4404	NARC	340	FAISAL	340	-	PAK	0979 -
4405	NARC	9-6	FAISAL	9-6	-	PAK	0979 -
4406	NARC	18-10	FAISAL	18-10	-	PAK	0979 -
4407	NARC	18-12	FAISAL	18-12	-	PAK	0979 -
4408	JED	TREBISOVSKA	-	TREBISOVSKA	-	CSK	1079 -
4409	JED	-	-	-	-	CSK	1079 -
4410	JED	K 638	-	K 638	-	CSK	1079 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
4411	FAO	51490	-	-	BGD	-	1079 -
4412	FAO	51491	-	-	BGD	-	1079 -
4413	FAO	51492	-	-	BGD	-	1079 -
4414	FAO	51493	-	-	BGD	-	1079 -
4415	FAO	51494	-	-	BGD	-	1079 -
4416	FAO	51495	-	-	BGD	-	1079 -
4417	FAO	51496	-	-	BGD	-	1079 -
4418	FAO	51497	-	-	BGD	-	1079 -
4419	FAO	51498	-	-	BGD	-	1079 -
4420	FAO	51499	-	-	BGD	-	1079 -
4421	FAO	51500	-	-	BGD	-	1079 -
4422	FAO	51501	-	-	BGD	-	1079 -
4423	FAO	51502	-	-	BGD	-	1079 -
4424	FAO	51503	-	-	BGD	-	1079 -
4425	FAO	51504	-	-	BGD	-	1079 -
4426	FAO	51505	-	-	BGD	-	1079 -
4427	FAO	51506	-	-	BGD	-	1079 -
4428	FAO	51507	-	-	BGD	-	1079 -
4429	FAO	51508	-	-	BGD	-	1079 -
4430	FAO	51509	-	-	BGD	-	1079 -
4431	FAO	51510	-	-	BGD	-	1079 -
4432	FAO	51511	-	-	BGD	-	1079 -
4433	FAO	51512	-	-	BGD	-	1079 -
4434	FAO	51513	-	-	BGD	-	1079 -
4435	FAO	51514	-	-	BGD	-	1079 -
4436	FAO	51515	-	-	BGD	-	1079 -
4437	FAO	51516	-	-	BGD	-	1079 -
4438	FAO	51517	-	-	BGD	-	1079 -
4439	FAO	51518	-	-	BGD	-	1079 -
4440	FAO	51519	-	-	BGD	-	1079 -
4441	FAO	51520	-	-	BGD	-	1079 -
4442	FAO	51521	-	-	BGD	-	1079 -
4443	FAO	51522	-	-	BGD	-	1079 -
4444	FAO	51523	-	-	BGD	-	1079 -
4445	-	-	ICARDA ICARDA TEAM	SAMPLE NO. 1	SYR	ALEPPO	1079 *

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
4446	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 2	-	SYR ALEPPO	1079 *
4447	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 3	-	SYR ALEPPO	1079 *
4448	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 3	-	SYR ALEPPO	1079 *
4449	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 5	-	SYR IDLIB	1079 *
4450	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 6	-	SYR IDLIB	1079 *
4451	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 7	-	SYR IDLIB	1079 *
4452	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 8	-	SYR IDLIB	1079 *
4453	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 9	-	SYR IDLIB	1079 *
4454	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 10	-	SYR IDLIB	1079 *
4455	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 11	-	SYR IDLIB	1079 *
4456	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 12	-	SYR IDLIB	1079 *
4457	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 13	-	SYR IDLIB	1079 *
4458	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 14	-	SYR IDLIB	1079 *
4459	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 15	-	SYR IDLIB	1079 *
4460	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 16	-	SYR IDLIB	1079 *
4461	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 17	-	SYR ALEPPO	1079 *
4462	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 18	-	SYR ALEPPO	1079 *
4463	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 19	-	SYR ALEPPO	1079 *
4464	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 20	-	SYR ALEPPO	1079 *
4465	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 21	-	SYR ALEPPO	1079 *
4466	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 22	-	SYR ALEPPO	1079 *
4467	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 23	-	SYR ALEPPO	1079 *
4468	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 24	-	SYR ALEPPO	1079 *
4469	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 25	-	SYR ALEPPO	1079 *
4470	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 26	-	SYR ALEPPO	1079 *
4471	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 27	-	SYR IDLIB	1079 *
4472	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 28	-	SYR IDLIB	1079 *
4473	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 29	-	SYR IDLIB	1079 *
4474	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 30	-	SYR IDLIB	1079 *
4475	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 31	-	SYR IDLIB	1079 *
4476	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 32	-	SYR IDLIB	1079 *
4477	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 33	-	SYR ALEPPO	1079 *
4478	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 34	-	SYR ALEPPO	1079 *
4479	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 35	-	SYR ALEPPO	1079 *
4480	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 36	-	SYR IDLIB	1079 *

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedigree)	CDat	Cou	Province or Town	RDat	Ind
4481	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 37	-	SYR	IDLIB	1079	*
4482	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 38	-	SYR	IDLIB	1079	*
4483	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 39	-	SYR	ALEPPO	1079	*
4484	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 41	-	SYR	ALEPPO	1079	*
4485	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 42	-	SYR	ALEPPO	1079	*
4486	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 43	-	SYR	ALEPPO	1079	*
4487	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 44	-	SYR	IDLIB	1079	*
4488	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 45	-	SYR	IDLIB	1079	*
4489	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 46	-	SYR	IDLIB	1079	*
4490	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 47	-	SYR	ALEPPO	1079	*
4491	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 48	-	SYR	ALEPPO	1079	*
4492	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 49	-	SYR	ALEPPO	1079	*
4493	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 50	-	SYR	IDLIB	1079	*
4494	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 51	-	SYR	IDLIB	1079	*
4495	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 52	-	SYR	IDLIB	1079	*
4496	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 53	-	SYR	ALEPPO	1079	*
4497	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 54	-	SYR	ALEPPO	1079	*
4498	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 55	-	SYR	ALEPPO	1079	*
4499	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 56	-	SYR	ALEPPO	1079	*
4500	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 57	-	SYR	ALEPPO	1079	*
4501	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 58	-	SYR	ALEPPO	1079	*
4502	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 59	-	SYR	HAMA	1079	*
4503	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 60	-	SYR	HAMA	1079	*
4504	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 61	-	SYR	HAMA	1079	*
4505	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 62	-	SYR	HAMA	1079	*
4506	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 63	-	SYR	HAMA	1079	*
4507	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 64	-	SYR	ALEPPO	1079	*
4508	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 65	-	SYR	ALEPPO	1079	*
4509	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 66	-	SYR	ALEPPO	1079	*
4510	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 67	-	SYR	HAMA	1079	*
4511	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 68	-	SYR	HAMA	1079	*
4512	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 69	-	SYR	HAMA	1079	*
4513	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 70	-	SYR	HAMA	1079	*
4514	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 71	-	SYR	HAMA	1079	*
4515	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 72	-	SYR	HAMA	1079	*

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedigree)	CDat	Cou	Province or Town	RDat	Ind
4516	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 73	-	SYR	HAMA	1079	*
4517	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 74	-	SYR	HAMA	1079	*
4518	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 75	-	SYR	HAMA	1079	*
4519	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 76	-	SYR	HAMA	1079	*
4520	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 77	-	SYR	HAMA	1079	*
4521	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 78	-	SYR	HAMA	1079	*
4522	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 81	-	SYR	HAMA	1079	*
4523	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 80	-	SYR	HAMA	1079	*
4524	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 82	-	SYR	ALEPPO	1079	*
4525	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 83	-	SYR	ALEPPO	1079	*
4526	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 84	-	SYR	ALEPPO	1079	*
4527	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 85	-	SYR	KAMISHLI	1079	*
4528	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 86	-	SYR	KAMISHLI	1079	*
4529	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 87	-	SYR	KAMISHLI	1079	*
4530	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 88	-	SYR	KAMISHLI	1079	*
4531	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 90	-	SYR	KAMISHLI	1079	*
4532	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 91	-	SYR	KAMISHLI	1079	*
4533	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 92	-	SYR	KAMISHLI	1079	*
4534	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 93	-	SYR	KAMISHLI	1079	*
4535	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 94	-	SYR	KAMISHLI	1079	*
4536	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 95	-	SYR	KAMISHLI	1079	*
4537	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 96	-	SYR	KAMISHLI	1079	*
4538	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 97	-	SYR	KAMISHLI	1079	*
4539	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 98	-	SYR	MALIKIA	1079	*
4540	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 99	-	SYR	MALIKIA	1079	*
4541	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 101	-	SYR	MALIKIA	1079	*
4542	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 100	-	SYR	MALIKIA	1079	*
4543	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 102	-	SYR	MALIKIA	1079	*
4544	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 103	-	SYR	MALIKIA	1079	*
4545	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 104	-	SYR	MALIKIA	1079	*
4546	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 105	-	SYR	MALIKIA	1079	*
4547	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 106-1	-	SYR	MALIKIA	1079	*
4548	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 106-2	-	SYR	MALIKIA	1079	*
4549	-	-	ICARDA	ICARDA TEAM	SAMPLE NO. 107	-	SYR	MALIKIA	1079	*
4550	WSU	RC 511	WSU	-	RC 511	-	USA	WASHINGTON	1079	-

ILL	Dan Ors	Dan No	Col Ors	Collector	Coll No (Pedigree)	CHat Cou	Province or Town	RDat Ind
4551	SANT	1001	SANT	-	1001	-	CHL ACONCAGUA	1179 *
4552	SANT	1002	SANT	-	1002	-	CHL CATAPILCO	1179 -
4553	SANT	1003	SANT	-	1003	-	CHL ANGOL	1179 -
4554	SANT	1005	SANT	-	1005	-	CHL LIOLLEO	1179 -
4555	SANT	1008	SANT	-	1008	-	CHL BIO-BIO	1179 *
4556	SANT	1009	SANT	-	1009	-	CHL SANTIAGO	1179 *
4557	SANT	1010	SANT	-	1010	-	CHL ACONCAGUA	1179 *
4558	SANT	1012	SANT	-	1012	-	CHL ACONCAGUA	1179 *
4559	SANT	1014	SANT	-	1014	-	CHL COLEMU	1179 -
4560	SANT	1016	SANT	-	1016	-	CHL SAN CARLOS	1179 -
4561	SANT	1017	SANT	-	1017	-	CHL CHANCO	1179 -
4562	SANT	1018	SANT	-	1018	-	CHL LOS ANGELOS	1179 -
4563	SANT	1020	SANT	-	1020	-	CHL SANTIAGO	1179 *
4564	SANT	1021	SANT	-	1021	-	CHL SANTIAGO	1179 *
4565	SANT	1025	SANT	-	1025	-	CHL -	1179 *
4566	SANT	1028	SANT	-	1028	-	CHL HUALANE	1179 -
4567	SANT	1048	SANT	-	1048	-	CHL SAN FELIPE	1179 -
4568	SANT	1050	SANT	-	LP 54-12	-	CHL -	1179 -
4569	SANT	1052	SANT	-	LP 54-14	-	CHL -	1179 -
4570	SANT	1059	SANT	-	LP 54-95	-	CHL -	1179 -
4571	SANT	1065	SANT	-	LP 54-85	-	CHL -	1179 -
4572	SANT	1066	SANT	-	LP 54-94	-	CHL -	1179 -
4573	SANT	1074	SANT	-	LP 54-248	-	CHL -	1179 -
4574	SANT	1078	SANT	-	LP 54-316	-	CHL -	1179 -
4575	SANT	1081	SANT	-	LP 54-341	-	CHL -	1179 -
4576	SANT	1089	SANT	-	LP 54-386	-	CHL -	1179 -
4577	SANT	1092	SANT	-	LP 54-412	-	CHL -	1179 -
4578	SANT	1096	SANT	-	LP 54-502	-	CHL -	1179 -
4579	SANT	1100	SANT	-	LP 54-533	-	CHL -	1179 -
4580	SANT	1105	SANT	-	LP 54-608	-	CHL -	1179 -
4581	SANT	1110	SANT	-	LP 54-715	-	CHL -	1179 -
4582	SANT	1116	SANT	-	LP 54-986	-	CHL -	1179 -
4583	SANT	1134	SANT	-	LP 54-1638	-	CHL -	1179 -
4584	SANT	1149	SANT	-	LP 54-1990	-	CHL -	1179 -
4585	SANT	1211	SANT	-	-	-	CHL LOS ANGELOS	1179 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
4586	SANT	1216	SANT	-	-	CHL VALPARAISO	1179 *
4587	SANT	1219	SANT	-	-	CHL LICANCHEY	1179 -
4588	SANT	1220	SANT	-	-	CHL PARRAL	1179 -
4589	SANT	1222	SANT	-	-	CHL ANGOL	1179 -
4590	SANT	1224	SANT	-	-	CHL COLEMU	1179 -
4591	SANT	1225	SANT	-	-	CHL TALCA	1179 *
4592	SANT	1292	SANT	-	-	CHL CURICO	1179 *
4593	SANT	1296	SANT	-	-	CHL LORA	1179 -
4594	SANT	2070	SANT	-	-	CHL TUMAN	1179 -
4595	SANT	2075	SANT	-	-	CHL LOS MOLLES	1179 -
4596	SANT	3003	SANT	-	-	CHL CHREPTO	1179 -
4597	SANT	3005	SANT	-	-	CHL MALLECO	1179 -
4598	SANT	3008	SANT	-	-	CHL RENAICO	1179 -
4599	SANT	3010	SANT	-	-	CHL TRAIGUEN	1179 -
4600	SANT	3016	SANT	-	-	CHL BIO-BIO	1179 -
4601	SANT	3051	SANT	-	-	CHL YUMBEL	1179 -
4602	SANT	3053	SANT	-	-	CHL BIO-BIO	1179 *
4603	SANT	6138	SANT	-	-	CHL PALO COLORADO	1179 -
4604	SANT	6139	SANT	-	-	CHL CONSTITUCION	1179 -
4605	INTA	PRECOZ	INTA A.RIVA	PRECOZ	-	ARG -	1179 -
4606	-	-	ICARDA B.HUHEID	NABLUS	-	- NABLUS	1179 -
4607	-	U 25	-	-	-	BGD -	1179 -
4608	-	VM 2	-	-	-	BGD -	1179 -
4609	ICRISAT	EC 127569	ICRISAT VAN DER MAESEN	NPE 111	-	NLD -	0280 -
4610	IBPGR	-	IBPGR W.ERSKINE	012-60	0579	NPL RATANANGLA	0280 *
4611	IBPGR	-	IBPGR W.ERSKINE	038-15	0579	NPL DAILEKH	0280 *
4612	INTA	SP 01	INTA A.RIVA	-	-	CHL -	0280 -
4613	INTA	SP 02	INTA A.RIVA	-	-	CHL -	0280 -
4614	INTA	SP 03	INTA A.RIVA	-	-	CHL -	0280 -
4615	INTA	SP 04	INTA A.RIVA	-	-	CHL -	0280 -
4616	INTA	SP 10	INTA A.RIVA	-	-	CHL -	0280 -
4617	INTA	SP 18	INTA A.RIVA	-	-	CHL -	0280 -
4618	INTA	SP 21	INTA A.RIVA	-	-	CHL -	0280 -
4619	INTA	SP 22	INTA A.RIVA	-	-	CHL -	0280 -
4620	INTA	SP 23	INTA A.RIVA	-	-	CHL -	0280 -

ILL	Don Org	Don No	Col Orgs	Collector	Coll No (Pedisree)	CDat	Cou	Province or Town	RDat	Ind
4621	INTA	SP 34	INTA	A.RIVA	-	-	CHL	-	0280	-
4622	INTA	SP 50	INTA	A.RIVA	-	-	CHL	-	0280	-
4623	INTA	SP 54	INTA	A.RIVA	-	-	CHL	-	0280	-
4624	INTA	SP 62	INTA	A.RIVA	-	-	CHL	-	0280	-
4625	INTA	SP 66	INTA	A.RIVA	-	-	CHL	-	0280	-
4626	INTA	SP 77	INTA	A.RIVA	-	-	CHL	-	0280	-
4627	INTA	SP 85	INTA	A.RIVA	-	-	CHL	-	0280	-
4628	INTA	SP 277	INTA	A.RIVA	-	-	CHL	-	0280	-
4629	INTA	SP 503	INTA	A.RIVA	-	-	CHL	-	0280	-
4630	INTA	SP 512	INTA	A.RIVA	-	-	CHL	-	0280	-
4631	INTA	SP 514	INTA	A.RIVA	-	-	CHL	-	0280	-
4632	INTA	SP 1105	INTA	A.RIVA	-	-	CHL	-	0280	-
4633	INTA	SP 1108	INTA	A.RIVA	-	-	CHL	-	0280	-
4634	INTA	SP 1116	INTA	A.RIVA	-	-	CHL	-	0280	-
4635	INTA	SP 1126	INTA	A.RIVA	-	-	CHL	-	0280	-
4636	INTA	SP 1131	INTA	A.RIVA	-	-	CHL	-	0280	-
4637	INTA	SP 1133	INTA	A.RIVA	-	-	CHL	-	0280	-
4638	INTA	SP 1163	INTA	A.RIVA	-	-	CHL	-	0280	-
4639	INTA	SP 1167	INTA	A.RIVA	-	-	CHL	-	0280	-
4640	INTA	SP 1200	INTA	A.RIVA	-	-	CHL	-	0280	-
4641	INTA	SP 1210	INTA	A.RIVA	-	-	CHL	-	0280	-
4642	INTA	SP 1222	INTA	A.RIVA	-	-	CHL	-	0280	-
4643	INTA	SP 1227	INTA	A.RIVA	-	-	CHL	-	0280	-
4644	INTA	SP 1263	INTA	A.RIVA	-	-	GRC	-	0280	-
4645	INTA	SP 1275	INTA	A.RIVA	-	-	GRC	-	0280	-
4646	INTA	SP 1282	INTA	A.RIVA	-	-	ESP	-	0280	-
4647	INTA	SP 1286	INTA	A.RIVA	-	-	DZA	-	0280	-
4648	INTA	SP 1299	INTA	A.RIVA	-	-	CHL	-	0280	-
4649	INTA	SP 1309	INTA	A.RIVA	-	-	CHL	-	0280	-
4650	INTA	SP 1313	INTA	A.RIVA	-	-	CHL	-	0280	-
4651	INTA	SP 1323	INTA	A.RIVA	-	-	CHL	-	0280	-
4652	INTA	SP 1325	INTA	A.RIVA	-	-	CHL	-	0280	-
4653	INTA	SP 1331	INTA	A.RIVA	-	-	TUR	-	0280	-
4654	INTA	SP 1333	INTA	A.RIVA	-	-	ARG	-	0280	-
4655	INTA	SP 1364	INTA	A.RIVA	-	-	CHL	-	0280	-

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisfree)	CDat Cou	Province or Town	RDat Ind
4656	INTA	SP 1370	INTA A.RIVA	-	-	CHL	0280 -
4657	INTA	SP 1386	INTA A.RIVA	-	-	CHL	0280 -
4658	INTA	SP 1407	INTA A.RIVA	-	-	DZA	0280 -
4659	INTA	SP 1414	INTA A.RIVA	-	-	SUN	0280 -
4660	INTA	SP 1415	INTA A.RIVA	-	-	SUN	0280 -
4661	INTA	SP 1471 A	INTA A.RIVA	-	-	DDR	0280 -
4662	INTA	SP 1471 B	INTA A.RIVA	-	-	DDR	0280 -
4663	INTA	SP 1477	INTA A.RIVA	-	-	DDR	0280 -
4664	INTA	SP 1478	INTA A.RIVA	-	-	DDR	0280 -
4665	INTA	SP 1484	INTA A.RIVA	-	-	HUN	0280 -
4666	INTA	SP 1512	INTA A.RIVA	-	-	ESP	0280 -
4667	INTA	SP 1547	INTA A.RIVA	-	-	USA WASHINGTON	0280 -
4668	INTA	SP 1550	INTA A.RIVA	-	-	USA WASHINGTON	0280 -
4669	INTA	SP 1563	INTA A.RIVA	-	-	USA WASHINGTON	0280 -
4670	INTA	SP 1573	INTA A.RIVA	-	-	USA WASHINGTON	0280 -
4671	INTA	SP 1609	INTA A.RIVA	-	-	USA WASHINGTON	0280 -
4672	INTA	SP 1650	INTA A.RIVA	-	-	CHL	0280 -
4673	INTA	SP 1653	INTA A.RIVA	-	-	CHL	0280 -
4674	INTA	SP 1679	INTA A.RIVA	-	-	CSK	0280 -
4675	INTA	SP 1700	INTA A.RIVA	-	-	CHL	0280 -
4676	INTA	SP 1701	INTA A.RIVA	-	-	CHL	0280 -
4677	INTA	SP 1702	INTA A.RIVA	-	-	CHL	0280 -
4678	INTA	SP 1703	INTA A.RIVA	-	-	CHL	0280 -
4679	INTA	PREC0Z	-	PREC0Z	-	ARG	0280 -
4680	ICRISAT	PR 4895	-	-	-	IND	0880 -
4681	ICRISAT	EL 130748	-	L 0251	-	IND	0880 -
4682	ICRISAT	EL 130749	-	L 0226	-	IND	0880 -
4683	ICRISAT	EL 130750	-	L 0322	-	IND	0880 -
4684	ICRISAT	EL 130751	-	L 0225-4	-	IND	0880 -
4685	ICRISAT	EL 130752	-	L 0331-3	-	IND	0880 -
4686	ICRISAT	EL 130753	-	L 0223	-	IND	0880 -
4687	ICRISAT	EL 130754	-	L 0224-14	-	IND	0880 -
4688	ICRISAT	EL 130755	-	L 0227	-	IND	0880 -
4689	ICRISAT	EL 130756	-	L 0321	-	IND	0880 -
4690	ICRISAT	EL 130757	-	L 0223-12	-	IND	0880 -

ILL	Don' Ors	Don No	Col Ors	Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
4691	ICRISAT	EL 130758	-	-	L 0225	-	IND -	0880 -
4692	ICRISAT	EL 130760	-	-	L 0221	-	IND -	0880 -
4693	ICRISAT	EL 130761	-	-	L 0111	-	IND -	0880 -
4694	ICRISAT	EL 130762	-	-	L 011-25	-	IND -	0880 -
4695	ICRISAT	EL 130763	-	-	L 0111-23	-	IND -	0880 -
4696	ICRISAT	EL 130764	-	-	L 0441-1	-	IND -	0880 -
4697	ICRISAT	EL 130766	-	-	L 0224-6	-	IND -	0880 -
4698	ICRISAT	EL 130767	-	-	L 0321-8	-	IND -	0880 -
4699	ICRISAT	EL 130768	-	-	L 0225-2	-	IND -	0880 -
4700	ICRISAT	EL 130769	-	-	L 0225-6	-	IND -	0880 -
4701	ICRISAT	EL 130770	-	-	L 0224-8	-	IND -	0880 -
4702	ICRISAT	EL 130771	-	-	L 0226-2	-	IND -	0880 -
4703	ICRISAT	EL 130772	-	-	L 0224-3	-	IND -	0880 -
4704	ICRISAT	EL 130775	-	-	L 0222	-	IND -	0880 -
4705	ICRISAT	EL 130776	-	-	L 0222-9	-	IND -	0880 -
4706	ICRISAT	EL 130777	-	-	L 0226-13	-	IND -	0880 -
4707	ICRISAT	EL 130778	-	-	L 0224	-	IND -	0880 -
4708	ICRISAT	EL 130779	-	-	L 0223-11	-	IND -	0880 -
4709	ICRISAT	EL 130780	-	-	L 0331	-	IND -	0880 -
4710	ICRISAT	EL 130782	-	-	L 0225-3	-	IND -	0880 -
4711	WSU	CHILEAN 78	WSU	F. MUEHLBAUER	CHILEAN 78	-	USA WASHINGTON	0880 -
4712	IFC	F 39	IFC	-	F 39	-	-	1080 -
4713	IFC	F 40	IFC	-	F 40	-	-	1080 -
4714	IFC	F 41	IFC	-	F 41	-	-	1080 -
4715	IFC	F 42	IFC	-	F 42	-	-	1080 -
4716	INIACOR	LE 87	INIACOR	J. I. CUBERO	LE 87	0080 ESP	GRANADA	1180 *
4717	INIACOR	LE 89	INIACOR	J. I. CUBERO	LE 89	0080 ESP	GRANADA	1180 *
4718	INIACOR	LE 90	INIACOR	J. I. CUBERO	LE 90	0080 ESP	GRANADA	1180 *
4719	INIACOR	LE 91	INIACOR	J. I. CUBERO	LE 91	0080 ESP	GRANADA	1180 -
4720	INIACOR	LE 92	INIACOR	J. I. CUBERO	LE 92	0080 ESP	GRANADA	1180 *
4721	INIACOR	LE 98	INIACOR	J. I. CUBERO	LE 98	0079 ESP	CORDOBA	1180 *
4722	INIACOR	LE 99	INIACOR	J. I. CUBERO	LE 99	0079 ESP	MALAGA	1180 *
4723	INIACOR	LE 100	INIACOR	J. I. CUBERO	LE 100	0079 ESP	MALAGA	1180 *
4724	INIACOR	LE 101	INIACOR	J. I. CUBERO	LE 101	0080 ESP	MALAGA	1180 *
4725	INIACOR	LE 102	INIACOR	J. I. CUBERO	LE 102	0080 ESP	MALAGA	1180 *

ILL	Don	Don No	Col	Ors	Collector	Coll Np (Pedisree)	CDat	Cou	Province or Town	RDat	Ind
4726	INIACOR	LE 103	INIACOR	J.I.CUBERO	LE 103	0079	ESP	JAE		1180	*
4727	INIACOR	LE 104	INIACOR	J.I.CUBERO	LE 104	0079	ESP	MALAGA		1180	*
4728	INIACOR	LE 105	INIACOR	J.I.CUBERO	LE 105	0079	ESP	GRANADA		1180	*
4729	INIACOR	LE 106	INIACOR	J.I.CUBERO	LE 106	0079	ESP	GRANADA		1180	*
4730	INIACOR	LE 107	INIACOR	J.I.CUBERO	LE 107	0079	ESP	CORDOBA		1180	*
4731	CDC	PI 179313	CDC	-	-	-	TUR	-		1180	-
4732	CDC	PI 345631	-	-	-	-	SUN	-		1180	-
4733	CDC	PI 368650	-	-	-	-	YUG	-		1180	-
4734	CDC	PENZISKAJA 14	-	-	-	PENZISKAJA 14	SUN	-		1180	-
4735	CDC	G 103	CDC	A.SLINKARD	G 103	-	CAN	-		1180	-
4736	CDC	G 118	CDC	A.SLINKARD	G 118	-	-	-		1180	-
4737	CDC	TE BLK F12 406M	CDC	A.SLINKARD	TE BLK F12 406M	-	-	-		1180	-
4738	CDC	ESTON	CDC	A.SLINKARD	ESTON	-	USA	-		1180	-
4739	CDC	COMMERC. CHILEAN	CDC	A.SLINKARD	COMMERC. CHILEAN	-	USA	PALOUSE		1180	-
4740	COOP	ANICIA	COOP	R.DELORE	ANICIA	-	FRA	LOIR ET CHER		1180	-
4741	IBPGR	LENS 9	IBPGR	R.P.CROSTON	LENS 9	0580	YEM	MAWER		1080	*
4742	IBPGR	LENS 15	IBPGR	R.P.CROSTON	LENS 15	0580	YEM	AL SHARAF		1080	*
4743	IBPGR	LENS 22	IBPGR	R.P.CROSTON	LENS 22	0580	YEM	AL HAJAR		1080	*
4744	IBPGR	LENS 27	IBPGR	R.P.CROSTON	LENS 27	0580	YEM	AL KHABBAS		1080	*
4745	IBPGR	LENS 29	IBPGR	R.P.CROSTON	LENS 29	0580	YEM	AGABA		1080	*
4746	IBPGR	LENS 37	IBPGR	R.P.CROSTON	LENS 37	0580	YEM	AL HASSAN		1080	*
4747	IBPGR	LENS 42	IBPGR	R.P.CROSTON	LENS 42	0580	YEM	BAIT AL SARAINI		1080	*
4748	IBPGR	LENS 48	IBPGR	R.P.CROSTON	LENS 48	0580	YEM	JUBAIR		1080	*
4749	IBPGR	LENS 78	IBPGR	R.P.CROSTON	LENS 78	0580	YEM	SANAA		1080	*
4750	IBPGR	LENS 195	IBPGR	R.P.CROSTON	LENS 195	0580	YEM	ZUHRAIN SABIR AL MAHADEH		1080	*
4751	IBPGR	LENS 261	IBPGR	R.P.CROSTON	LENS 261	0580	YEM	IBB\YAREH		1080	*
4752	IBPGR	LENS 299	IBPGR	R.P.CROSTON	LENS 299	0580	YEM	JABAL AL KHADRA		1080	*
4753	IBPGR	LENS 309	IBPGR	R.P.CROSTON	LENS 309	0580	YEM	AL HOUSAIN		1080	*
4754	IBPGR	LENS 324	IBPGR	R.P.CROSTON	LENS 324	0580	YEM	IMAN		1080	*
4755	IBPGR	LENS 365	IBPGR	R.P.CROSTON	LENS 365	0580	YEM	AL KHAW		1080	*
4756	IBPGR	LENS 367	IBPGR	R.P.CROSTON	LENS 367	0580	YEM	AL KHAW		1080	*
4757	IBPGR	LENS 375	IBPGR	R.P.CROSTON	LENS 375	0580	YEM	YARIM		1080	*
4758	IBPGR	LENS 383	IBPGR	R.P.CROSTON	LENS 383	0580	YEM	KAMAN		1080	*
4759	IBPGR	LENS 390	IBPGR	R.P.CROSTON	LENS 390	0580	YEM	DHUMARA		1080	*
4760	IBPGR	LENS 394	IBPGR	R.P.CROSTON	LENS 394	0580	YEM	GANDHAMAR		1080	*

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedigree)	CDat	Cou	Province or Town	RDat	Ind
4761	IBPGR	LENS 398	IBPGR	R.P.CROSTON	LENS 398	0680	YEM	AL GALAHAN	1080	*
4762	IBPGR	LENS 400	IBPGR	R.P.CROSTON	LENS 400	0680	YEM	HANAH ALLILE	1080	*
4763	IBPGR	LENS 418	IBPGR	R.P.CROSTON	LENS 418	0680	YEM	DHAKAR	1080	*
4764	IBPGR	LENS 425	IBPGR	R.P.CROSTON	LENS 425	0680	YEM	WADI DAHR	1080	*
4765	IBPGR	LENS 428	IBPGR	R.P.CROSTON	LENS 428	0680	YEM	WADI DAHR	1080	*
4766	IBPGR	LENS 433	IBPGR	R.P.CROSTON	LENS 433	0680	YEM	RAGOO	1080	*
4767	IBPGR	LENS 446	IBPGR	R.P.CROSTON	LENS 446	0680	YEM	BAIT MAHDAM	1080	*
4768	IBPGR	LENS 447	IBPGR	R.P.CROSTON	LENS 447	0680	YEM	BAIT MAHDAM	1080	*
4769	IBPGR	LENS 461	IBPGR	R.P.CROSTON	LENS 461	0680	YEM	SKIBAN AL KHAZAZ	1080	*
4770	IBPGR	LENS 466	IBPGR	R.P.CROSTON	LENS 466	0680	YEM	AL AMBAS	1080	*
4771	IBPGR	LENS 476	IBPGR	R.P.CROSTON	LENS 476	0680	YEM	SANAA	1080	*
4772	IBPGR	LENS 488	IBPGR	R.P.CROSTON	LENS 488	0680	YEM	AL HAINA	1080	*
4773	NIAVT	11-3-4	-	-	-	-	DDR	GITHION	1280	*
4774	NIAVT	11-3-10	-	-	T.F.9	-	ROM	-	1280	-
4775	NIAVT	11-3-11	-	-	-	-	TUR	ANATOLIA	1280	-
4776	NIAVT	11-3-14	-	-	-	-	DDR	-	1280	-
4777	NIAVT	11-3-25	-	-	-	-	DZA	-	1280	-
4778	NIAVT	11-3-28	-	-	-	-	URY	-	1280	-
4779	NIAVT	11-3-29	-	-	-	-	CSK	NELKOZRNNA	1280	-
4780	NIAVT	11-3-31	-	-	-	-	DFR	-	1280	8
4781	NIAVT	11-3-32	-	-	-	-	DZA	SEVILE	1280	-
4782	NIAVT	11-3-35	-	-	-	-	NOR	-	1280	-
4783	NIAVT	11-3-40	-	-	-	-	CSK	-	1280	-
4784	NIAVT	11-3-44	-	-	-	-	DDR	MAHRISCHE	1280	-
4785	NIAVT	11-3-49	-	-	-	-	DDR	SLOVERNSKA ZEMPLINSKA	1280	-
4786	NIAVT	11-3-53	-	-	-	-	DDR	-	1280	*
4787	NIAVT	11-3-56	-	-	-	-	CSK	MORAVSKA DROBNOZRNNA	1280	-
4788	NIAVT	11-3-62	-	-	-	-	MAR	SOFI	1280	*
4789	NIAVT	11-3-66	-	-	-	-	DDR	-	1280	*
4790	NIAVT	11-3-69	-	-	-	-	SUN	PETROVSKAJA	1280	-
4791	NIAVT	11-3-81	-	-	-	-	IRN	FARKASHAJOR	1280	-
4792	NIAVT	11-3-82	-	-	-	-	SUN	-	1280	*
4793	NIAVT	11-3-83	-	-	-	-	SUN	BJELOCEKTEF	1280	*
4794	NIAVT	11-3-85	-	-	-	-	SUN	-	1280	*
4795	NIAVT	11-3-87	-	-	STEPNAJA 244	-	DDR	-	1280	-

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedisree)	Cdat Cou	Province or Town	Rdat Ind
4796	NIAVT	11-3-90	-	-	-	DDR	1280 *
4797	NIAVT	11-3-91	-	-	-	DDR	1280 -
4798	NIAVT	11-3-96	-	TADZISKAJA 95	-	SUN TADZIKISTAN	1280 -
4799	NIAVT	11-3-102	-	-	-	MAR TAHALA	1280 -
4800	NIAVT	11-3-103	-	-	-	MAR SAHIM	1280 *
4801	NIAVT	11-3-106	-	-	-	CSK	1280 *
4802	NIAVT	11-3-114	-	-	-	BGR	1280 *
4803	NIAVT	11-3-119	-	-	-	POL	1280 -
4804	NIAVT	11-3-135	-	-	-	LBY	1280 -
4805	NIAVT	11-3-138	-	-	-	DDR	1280 *
4806	NIAVT	11-3-139	-	-	-	-	1280 -
4807	NIAVT	11-3-142	-	-	-	-	1280 -
4808	NIAVT	11-3-144	-	-	-	-	1280 -
4809	NIAVT	11-3-145	-	-	-	-	1280 -
4810	NIAVT	11-3-146	-	-	-	BGR	1280 *
4811	NIAVT	11-3-147	-	-	-	-	1280 *
4812	NIAVT	11-3-148	-	-	-	-	1280 *
4813	NIAVT	11-3-153	-	L-7-166	-	SUN	1280 *
4814	NIAVT	11-3-154	-	L-7-034	-	SUN	1280 -
4815	NIAVT	11-3-159	-	-	-	MAR	1280 -
4816	NIAVT	11-3-160	-	L-7-055	-	SUN	1280 *
4817	NIAVT	11-3-161	-	3565\L-7-068	-	SUN	1280 *
4818	NIAVT	11-3-162	-	-	-	CSK	1280 *
4819	NIAVT	11-3-163	-	L-7-193	-	SUN	1280 *
4820	NIAVT	11-3-167	-	95\L-7-065	-	SUN	1280 *
4821	NIAVT	11-3-168	-	-	-	TUR	1280 -
4822	NIAVT	11-3-170	-	-	-	CSK	1280 *
4823	NIAVT	11-3-171	-	L-7-062	-	SUN	1280 *
4824	NIAVT	11-3-172	-	-	-	MAR	1280 *
4825	NIAVT	11-3-173	-	L-7-063	-	SUN	1280 *
4826	NIAVT	11-3-175	-	L-7-042	-	SUN	1280 -
4827	NIAVT	11-3-176	-	L-7-061	-	SUN	1280 -
4828	NIAVT	11-3-177	-	L-7-040	-	SUN	1280 -
4829	NIAVT	11-3-202	-	-	-	SUN	1280 -
4830	NIAVT	11-3-205	-	-	-	SUN	1280 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Ind	CDat Cou	Prov/Ince or Town	RDat Ind
4831	NIAUT	11-3-215	-	-	-	DFR	-	1280 *
4832	NIAUT	11-3-237	-	-	-	FRA	-	1280 *
4833	NIAUT	11-3-246	-	-	-	SUN	-	1280 *
4834	NIAUT	11-3-247	-	-	-	-	-	1280 *
4835	NIAUT	11-3-251	-	14	-	SUN	-	1280 *
4836	NIAUT	11-3-252	-	4\105	-	-	-	1280 *
4837	NIAUT	11-3-302	-	F-1	-	GRC	-	1280 *
4838	NIAUT	11-3-303	-	F-30	-	GRC	-	1280 *
4839	NIAUT	11-3-304	-	M-1956	-	GRC	-	1280 *
4840	GATER	LENS 1\79	-	77	-	ALB	-	1280 *
4841	GATER	LENS 2\79	-	85	-	ALB	-	1280 *
4842	GATER	LENS 10\79	-	1388	-	GRC	-	1280 *
4843	GATER	LENS 13\79	-	2078	-	GRC	-	1280 *
4844	GATER	LENS 16\79	-	2128	-	GRC	-	1280 *
4845	GATER	LENS 20\79	-	2328	-	GRC	-	1280 *
4846	GATER	LENS 21\79	-	2334	-	GRC	-	1280 *
4847	GATER	LENS 22\79	-	2345	-	GRC	-	1280 *
4848	GATER	LENS 24\79	-	2430	-	GRC	-	1280 *
4849	GATER	LENS 25\79	-	2450	-	GRC	-	1280 *
4850	GATER	LENS 27\79	-	12	-	GRC	-	1280 *
4851	GATER	LENS 36\79	-	253	-	GRC	PELOPONNESE	1280 *
4852	GATER	LENS 37\79	-	261	-	GRC	PELOPONNESE	1280 *
4853	GATER	LENS 44\79	-	350	-	GRC	PELOPONNESE	1280 *
4854	GATER	LENS 45\79	-	357	-	GRC	PELOPONNESE	1280 *
4855	GATER	LENS 47\79	-	368	-	GRC	PELOPONNESE	1280 *
4856	GATER	LENS 49\79	-	452	-	GRC	PELOPONNESE	1280 *
4857	GATER	LENS 55\79	-	591	-	GRC	PELOPONNESE	1280 *
4858	GATER	LENS 56\79	-	591	-	GRC	PELOPONNESE	1280 *
4859	GATER	LENS 58\75	-	-	-	IRN	-	1280 *
4860	GATER	LENS 60\79	-	638	-	GRC	PELOPONNESE	1280 *
4861	GATER	LENS 68\79	-	926	-	GRC	PELOPONNESE	1280 *
4862	GATER	LENS 70\79	-	928	-	GRC	PELOPONNESE	1280 *
4863	GATER	LENS 74\79	-	996	-	GRC	PELOPONNESE	1280 *
4864	GATER	LENS 75\79	-	999	-	GRC	PELOPONNESE	1280 *
4865	GATER	LENS 78\75	-	1087	-	GRC	PELOPONNESE	1280 *

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
4866	GATER	LENS 83\79	-	57	-	GRC CRETE	1280 *
4867	GATER	LENS 85\79	-	179	-	GRC CRETE	1280 *
4868	GATER	LENS 86\79	-	246	-	GRC CRETE	1280 *
4869	GATER	LENS 88\79	-	246	-	GRC CRETE	1280 *
4870	GATER	LENS 94\79	-	-	-	-	1280 *
4871	GATER	LENS 103\75	-	-	-	-	1280 *
4872	GATER	LENS 109\75	-	58	-	AFG KABUL	1280 *
4873	GATER	LENS 112\75	-	-	-	SUN BRUO	1280 *
4874	GATER	LENS 114\75	-	-	-	AFG -	1280 *
4875	GATER	LENS 117\75	-	-	-	SUN UNEKISTAN	1280 -
4876	GATER	LENS 118\75	-	-	-	SUN PRAG RUZYNE	1280 *
4877	GATER	LENS 119\75	-	-	-	SUN PRAG RUZYNE	1280 *
4878	GATER	LENS 124\79	-	-	-	SUN PRAG RUZYNE	1280 *
4879	GATER	LENS 129\79	-	-	-	AFG -	1280 *
4880	GATER	LENS 131\79	-	-	-	SUN LENINGRAD	1280 *
4881	GATER	LENS 137\79	-	-	-	AFG -	1280 *
4882	GATER	LENS 141\75	-	-	-	SUN PRAG RUZYNE	1280 *
4883	GATER	LENS 142\79	-	-	-	IRN -	1280 *
4884	GATER	LENS 143\79	-	GIZA 9	-	EGY -	1280 -
4885	GATER	LENS 156\75	-	52	-	AFG KABUL	1280 *
4886	GATER	LENS 159\75	-	64 C	-	IRN RASHT	1280 *
4887	GATER	LENS 160\75	-	-	-	IRN RASHT	1280 *
4888	GATER	LENS 161\75	-	-	-	IRN -	1280 *
4889	GATER	LENS 162\75	-	-	-	IRN -	1280 *
4890	GATER	LENS 167\79	-	-	-	SUN PRAG RUZYNE	1280 *
4891	GATER	LENS 168\79	-	-	-	CHL -	1280 *
4892	GATER	LENS 173\75	-	-	-	IRN -	1280 *
4893	GATER	LENS 176\75	-	-	-	BGR -	1280 *
4894	GATER	LENS 183\75	-	-	-	HUN -	1280 -
4895	GATER	LENS 184\75	-	-	-	ETH ADDIS ARABA	1280 *
4896	GATER	LENS 187\75	-	-	-	SUN LENINGRAD	1280 *
4897	GATER	LENS 194\79	-	-	-	SUN PRAG RUZYNE	1280 *
4898	GATER	LENS 195\79	-	-	-	SUN PRAG RUZYNE	1280 *
4899	GATER	LENS 198\79	-	-	-	-	1280 -
4900	GATER	LENS 199\79	-	N 245	-	-	1280 *

ILL	Don Ors	Don No	Col Ors Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
4901	SADA	CPI 72023	-	-	-	IRN HASHTPAR	1280 -
4902	SADA	CPI 72024	-	-	-	IRN REZUANDE	1280 -
4903	SADA	CPI 72025	-	-	-	IRN BANDAR PAHLAVI	1280 -
4904	SADA	CPI 72027	-	-	-	IRN TABRIZ	1280 -
4905	SADA	CPI 72028	-	-	-	IRN TABRIZ	1280 -
4906	SADA	CPI 72029	-	-	-	IRN TAKESTAN	1280 -
4907	SADA	CPI 72030	-	-	-	IRN TAKESTAN	1280 -
4908	SADA	CPI 72031	-	-	-	IRN ZANTAN	1280 -
4909	IPI	WIR 55	IPI	WIR 55	-	SUN MOSCOW	1280 -
4910	IPI	WIR 59	IPI	WIR 59	-	SUN SARATOV	1280 -
4911	IPI	WIR 69	IPI	WIR 69	-	SUN SARATOV	1280 -
4912	IPI	WIR 500	-	-	-	IRN -	1280 -
4913	IPI	WIR 501	-	-	-	IRN -	1280 -
4914	IPI	WIR 1305	-	-	-	IRN TAMBOR	1280 -
4915	IPI	WIR 1826	-	-	-	YUG -	1280 -
4916	-	-	ICARDA W.ERSKINE	-	0580 SYR	ALEPPO	1280 *
4917	-	-	ICARDA -	-	0580 SYR	ALEPPO	1280 *
4918	-	-	ICARDA -	907	0580 SYR	ALEPPO	1280 *
4919	-	-	ICARDA -	1328	0680 SYR	ALEPPO	1280 *
4920	-	-	ICARDA A.M.WATSON	-	-	EGY OASIS DAKHLA	1280 -
4921	-	-	ICARDA A.M.WATSON	-	-	YEM SANAA	1280 -
4922	INIAMAD	LE 115	INIAMAD M.A.BUENO	BG 890	-	PRT -	1280 -
4923	INIAMAD	LE 116	INIAMAD M.A.BUENO	BG 891	-	PRT -	1280 -
4924	INIAMAD	LE 117	INIAMAD M.A.BUENO	BG 892	-	PRT -	1280 -
4925	INIAMAD	LE 118	INIAMAD M.A.BUENO	BG 996	-	ESP -	1280 -
4926	INIAMAD	LE 120	INIAMAD M.A.BUENO	BG 1017	-	ESP GRANADA	1280 -
4927	INIAMAD	LE 121	INIAMAD M.A.BUENO	BG 1023	-	ESP CORDOBA	1280 -
4928	INIAMAD	LE 122	INIAMAD M.A.BUENO	BG 1048	-	ESP TENERIFE	1280 -
4929	INIAMAD	LE 123	INIAMAD M.A.BUENO	BG 1055	-	ESP JAEN	1280 -
4930	INIAMAD	LE 124	INIAMAD M.A.BUENO	BG 1078	-	ESP PALENCIA	1280 -
4931	INIAMAD	LE 125	INIAMAD M.A.BUENO	BG 1080	-	ESP PALENCIA	1280 -
4932	INIAMAD	LE 126	INIAMAD M.A.BUENO	BG 1067	-	ESP CORDOBA	1280 -
4933	INIAMAD	LE 127	INIAMAD M.A.BUENO	BG 1119	-	ESP GUADALAJARA	1280 -
4934	INIAMAD	LE 128	INIAMAD M.A.BUENO	BG 1140	-	ESP CORDOBA	1280 -
4935	INIAMAD	LE 129	INIAMAD M.A.BUENO	BG 1150	-	ESP ZANDRA	1280 -

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
4936	INIAHAD	LE 130	INIAHAD M.A. BUENO	BG 1172	-	ESP TOLEDO	1280 -
4937	INIAHAD	LE 131	INIAHAD M.A. BUENO	BG 1394	-	ESP LEON	1280 -
4938	INIAHAD	LE 132	INIAHAD M.A. BUENO	BG 1398	-	ESP PALENCIA	1280 -
4939	INIAHAD	LE 133	INIAHAD M.A. BUENO	BG 1402	-	ESP PALENCIA	1280 -
4940	INIAHAD	LE 134	INIAHAD M.A. BUENO	BG 1409	-	ESP ALBACETE	1280 -
4941	INIAHAD	LE 135	INIAHAD M.A. BUENO	BG 1413	-	ESP ALBACETE	1280 -
4942	INIAHAD	LE 136	INIAHAD M.A. BUENO	BG 1415	-	ESP BACCARES	1280 -
4943	INIAHAD	LE 137	INIAHAD M.A. BUENO	BG 1430	-	ESP VALLADOLID	1280 -
4944	INIAHAD	LE 138	INIAHAD M.A. BUENO	BG 1431	-	ESP VALLADOLID	1280 -
4945	INIAHAD	LE 139	INIAHAD M.A. BUENO	BG 1438	-	ESP ZAMORA	1280 -
4946	INIAHAD	LE 140	INIAHAD M.A. BUENO	BG 1443	-	ESP ZAMORA	1280 -
4947	INIAHAD	LE 141	INIAHAD M.A. BUENO	BG 1459	-	ESP GUADALAJARA	1280 -
4948	INIAHAD	LE 142	INIAHAD M.A. BUENO	BG 1482	-	ESP CUENCA	1280 -
4949	INIAHAD	LE 143	INIAHAD M.A. BUENO	BG 1483	-	ESP VALLADOLID	1280 -
4950	INIAHAD	LE 144	INIAHAD M.A. BUENO	BG 1491	-	ESP CUENCA	1280 -
4951	INIAHAD	LE 145	INIAHAD M.A. BUENO	BG 1495	-	ESP JAEN	1280 -
4952	INIAHAD	LE 146	INIAHAD M.A. BUENO	BG 1499	-	ESP GUADALAJARA	1280 -
4953	INIAHAD	LE 147	INIAHAD M.A. BUENO	BG 1500	-	ESP GUADALAJARA	1280 -
4954	INIAHAD	LE 148	INIAHAD M.A. BUENO	BG 1528	-	ESP LEON	1280 -
4955	INIAHAD	LE 149	INIAHAD M.A. BUENO	BG 1536	-	ESP GUADALAJARA	1280 -
4956	INIAHAD	LE 150	INIAHAD M.A. BUENO	BG 889	-	PRT -	1280 -
4957	WSU	VW 000511	WSU F. MUEHLBAUER	RED CHIEF	-	USA -	0181 -
4958	WSU	VW 000437	WSU F. MUEHLBAUER	-	-	USA -	0181 -
4959	WSU	VW 000486	WSU F. MUEHLBAUER	-	-	USA -	0181 -
4960	WSU	VW 000556	WSU F. MUEHLBAUER	-	-	USA -	0181 -
4961	WSU	VW 000554	WSU F. MUEHLBAUER	-	-	USA -	0181 -
4962	WSU	LC 711 981	WSU F. MUEHLBAUER	-	-	USA -	0181 -
4963	WSU	VW 000 493	WSU F. MUEHLBAUER	-	-	USA -	0181 -
4964	WSU	TEKOA	WSU F. MUEHLBAUER	TEKOA	-	USA -	0181 -
4965	WSU	WH 2040	WSU F. MUEHLBAUER	(PI 297756)M1956	-	GRC -	0181 -
4966	INIACOR	LE 81	INIACOR J.I. CUBERO	LE 81	-	ESP GRANADA	0181 *
4967	INIACOR	LE 82	INIACOR J.I. CUBERO	LE 82	-	ESP JAEN	0181 *
4968	INIACOR	LE 83	INIACOR J.I. CUBERO	LE 83	-	ESP SEVILLA	0181 *
4969	INIACOR	LE 84	INIACOR J.I. CUBERO	LE 84	-	ESP GRANADA	0181 *
4970	INIACOR	LE 93	INIACOR J.I. CUBERO	LE 93	-	ESP MALAGA	0181 *

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedisree)	CDat	Cou	Province or Town	RDat	Ind
4971	INIACOR	LE 94	INIACOR	J.I.CUBERO	LE 94	-	ESP	GRANADA	0181 *	
4972	INIACOR	LE 95	INIACOR	J.I.CUBERO	LE 95	-	ESP	GRANADA	0181 *	
4973	INIACOR	LE 96	INIACOR	J.I.CUBERO	LE 96	-	ESP	GRANADA	0181 *	
4974	INIACOR	LE 97	INIACOR	J.I.CUBERO	LE 97	-	ESP	MALAGA	0181 *	
4975	INIACOR	LE 108	INIACOR	J.I.CUBERO	LE 108	-	ESP	MALAGA	0181 *	
4976	INIACOR	LE 109	INIACOR	J.I.CUBERO	LE 109	-	ESP	MALAGA	0181 *	
4977	INIACOR	LE 110	INIACOR	J.I.CUBERO	LE 110	-	ESP	MALAGA	0181 *	
4978	INIACOR	LE 111	INIACOR	J.I.CUBERO	LE 111	-	ESP	MALAGA	0181 *	
4979	INIACOR	LE 112	INIACOR	J.I.CUBERO	LE 112	-	ESP	TOLEDO	0181 *	
4980	INIACOR	LE 113	INIACOR	J.I.CUBERO	LE 113	-	ESP	MALAGA	0181 *	
4981	INIACOR	LE 114	INIACOR	J.I.CUBERO	LE 114	-	ESP	MALAGA	0181 *	
4982	INIACOR	LE 115	INIACOR	J.I.CUBERO	LE 115	-	ESP	CIUDAD REAL	0181 *	
4983	INIACOR	LE 116	INIACOR	J.I.CUBERO	LE 116	-	ESP	-	0181 *	
4984	INIACOR	LE 117	INIACOR	J.I.CUBERO	LE 117	-	ESP	-	0181 *	
4985	INIACOR	LE 118	INIACOR	J.I.CUBERO	LE 118	-	ESP	VALLADOLID	0181 *	
4986	INIACOR	LE 119	INIACOR	J.I.CUBERO	LE 119	-	ESP	-	0181 *	
4987	INIACOR	LE 120	INIACOR	J.I.CUBERO	LE 120	-	ESP	LEON	0181 *	
4988	INIACOR	LE 121	INIACOR	J.I.CUBERO	LE 121	-	ESP	VALLADOLID	0181 *	
4989	INIACOR	LE 122	INIACOR	J.I.CUBERO	LE 122	-	ESP	-	0181 *	
4990	INIACOR	LE 123	INIACOR	J.I.CUBERO	LE 123	-	ESP	-	0181 *	
4991	INIACOR	LE 124	INIACOR	J.I.CUBERO	LE 124	-	ESP	-	0181 *	
4992	INIACOR	LE 125	INIACOR	J.I.CUBERO	LE 125	-	ESP	-	0181 *	
4993	INIACOR	LE 126	INIACOR	J.I.CUBERO	LE 126	-	ESP	LEON	0181 *	
4994	INIACOR	LE 127	INIACOR	J.I.CUBERO	LE 127	-	ESP	LEON	0181 *	
4995	INIACOR	LE 128	INIACOR	J.I.CUBERO	LE 128	-	ESP	TOLEDO	0181 *	
4996	INIACOR	LE 129	INIACOR	J.I.CUBERO	LE 129	-	ESP	GRANADA	0181 *	
4997	INIACOR	LE 130	INIACOR	J.I.CUBERO	LE 130	-	ESP	CORDOBA	0181 *	
4998	INIACOR	LE 131	INIACOR	J.I.CUBERO	LE 131	-	ESP	JAEN	0181 -	
4999	INIACOR	LE 132	INIACOR	J.I.CUBERO	LE 132	-	ESP	PALENCIA	0181 *	
5000	INIACOR	LE 133	INIACOR	J.I.CUBERO	LE 133	-	ESP	PALENCIA	0181 -	
5001	INIACOR	LE 134	INIACOR	J.I.CUBERO	LE 134	-	ESP	CORDOBA	0181 *	
5002	INIACOR	LE 135	INIACOR	J.I.CUBERO	LE 135	-	ESP	CORDOBA	0181 *	
5003	INIACOR	LE 136	INIACOR	J.I.CUBERO	LE 136	-	ESP	ZAHORA	0181 *	
5004	INIACOR	LE 137	INIACOR	J.I.CUBERO	LE 137	-	ESP	TOLEDO	0181 *	
5005	INIACOR	LE 138	INIACOR	J.I.CUBERO	LE 138	-	ESP	LEON	0181 *	

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
5006	INIACOR	LE 139	INIACOR J.I.CUBERO	LE 139	-	ESP PALENCIA	0181 *
5007	INIACOR	LE 140	INIACOR J.I.CUBERO	LE 140	-	ESP PALENCIA	0181 *
5008	INIACOR	LE 141	INIACOR J.I.CUBERO	LE 141	-	ESP ALBACETE	0181 *
5009	INIACOR	LE 142	INIACOR J.I.CUBERO	LE 142	-	ESP ALBACETE	0181 -
5010	INIACOR	LE 143	INIACOR J.I.CUBERO	LE 143	-	ESP BADAJOZ	0181 *
5011	INIACOR	LE 144	INIACOR J.I.CUBERO	LE 144	-	ESP VALLADOLID	0181 *
5012	INIACOR	LE 145	INIACOR J.I.CUBERO	LE 145	-	ESP VALLADOLID	0181 *
5013	INIACOR	LE 146	INIACOR J.I.CUBERO	LE 146	-	ESP ZAMORA	0181 *
5014	INIACOR	LE 147	INIACOR J.I.CUBERO	LE 147	-	ESP ZAMORA	0181 *
5015	INIACOR	LE 148	INIACOR J.I.CUBERO	LE 148	-	ESP GUADALAJARA	0181 *
5016	INIACOR	LE 149	INIACOR J.I.CUBERO	LE 149	-	ESP CUENCA	0181 *
5017	INIACOR	LE 150	INIACOR J.I.CUBERO	LE 150	-	ESP CUENCA	0181 *
5018	INIACOR	LE 151	INIACOR J.I.CUBERO	LE 151	-	ESP JAEN	0181 *
5019	INIACOR	LE 152	INIACOR J.I.CUBERO	LE 152	-	ESP GUADALAJARA	0181 *
5020	INIACOR	LE 153	INIACOR J.I.CUBERO	LE 153	-	ESP GUADALAJARA	0181 -
5021	INIACOR	LE 154	INIACOR J.I.CUBERO	LE 154	-	ESP LEON	0181 *
5022	INIACOR	LE 155	INIACOR J.I.CUBERO	LE 155	-	ESP GUADALAJARA	0181 *
5023	INIACOR	LE 156	INIACOR J.I.CUBERO	LE 156	-	ESP MADRID	0181 *
5024	INIACOR	LE 157	INIACOR J.I.CUBERO	LE 157	-	ESP CUENCA	0181 *
5025	INIACOR	LE 158	INIACOR J.I.CUBERO	LE 158	-	ESP CUENCA	0181 *
5026	INIACOR	LE 159	INIACOR J.I.CUBERO	LE 159	-	ESP CUENCA	0181 *
5027	INIACOR	LE 160	INIACOR J.I.CUBERO	LE 160	-	ESP CUENCA	0181 *
5028	INIACOR	LE 161	INIACOR J.I.CUBERO	LE 161	-	ESP CUENCA	0181 *
5029	INIACOR	LE 162	INIACOR J.I.CUBERO	LE 162	-	ESP CUENCA	0181 -
5030	INIACOR	LE 163	INIACOR J.I.CUBERO	LE 163	-	ESP CUENCA	0181 -
5031	INIACOR	LE 164	INIACOR J.I.CUBERO	LE 164	-	ESP CUENCA	0181 -
5032	INIACOR	LE 165	INIACOR J.I.CUBERO	LE 165	-	ESP CUENCA	0181 *
5033	INIACOR	LE 166	INIACOR J.I.CUBERO	LE 166	-	ESP CUENCA	0181 *
5034	INIACOR	LE 167	INIACOR J.I.CUBERO	LE 166	-	ESP CUENCA	0181 *
5035	INIACOR	LE 168	INIACOR J.I.CUBERO	LE 168	-	ESP CUENCA	0181 *
5036	INIACOR	LE 169	INIACOR J.I.CUBERO	LE 169	-	ESP ALBACETE	0181 *
5037	INIACOR	LE 170	INIACOR J.I.CUBERO	LE 170	-	ESP ALBACETE	0181 *
5038	INIACOR	LE 171	INIACOR J.I.CUBERO	LE 171	-	ESP ALBACETE	0181 *
5039	INIACOR	LE 172	INIACOR J.I.CUBERO	LE 172	-	ESP ALBACETE	0181 -
5040	INIACOR	LE 173	INIACOR J.I.CUBERO	LE 173	-	ESP ALBACETE	0181 *

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedisree)	CDat	Cou	Province or Town	RDat	Ind
5041	INIACOR	LE 174	INIACOR	J.I.CUBERO	LE 174	-	ESP	ALBACETE	0181	*
5042	INIACOR	LE 175	INIACOR	J.I.CUBERO	LE 175	-	ESP	ALBACETE	0181	*
5043	INIACOR	LE 176	INIACOR	J.I.CUBERO	LE 176	-	ESP	ALBACETE	0181	*
5044	INIACOR	LE 177	INIACOR	J.I.CUBERO	LE 177	-	ESP	ALBACETE	0181	*
5045	INIACOR	LE 178	INIACOR	J.I.CUBERO	LE 178	-	ESP	ALBACETE	0181	*
5046	INIACOR	LE 179	INIACOR	J.I.CUBERO	LE 179	-	ESP	ALBACETE	0181	*
5047	INIACOR	LE 180	INIACOR	J.I.CUBERO	LE 180	-	ESP	ALBACETE	0181	*
5048	INIACOR	LE 181	INIACOR	J.I.CUBERO	LE 181	-	ESP	ALBACETE	0181	*
5049	INIACOR	LE 182	INIACOR	J.I.CUBERO	LE 182	-	ESP	ALBACETE	0181	-
5050	INIACOR	LE 183	INIACOR	J.I.CUBERO	LE 183	-	ESP	CUENCA	0181	*
5051	INIACOR	LE 184	INIACOR	J.I.CUBERO	LE 184	-	ESP	CUENCA	0181	-
5052	INIACOR	LE 185	INIACOR	J.I.CUBERO	LE 185	-	ESP	CUENCA	0181	-
5053	-	LE 186	-	J.I.CUBERO	LE 186	-	ESP	CUENCA	0181	*
5054	-	LE 187	-	J.I.CUBERO	LE 187	-	ESP	CUENCA	0181	*
5055	-	LE 188	-	J.I.CUBERO	LE 188	-	ESP	GUADALAJARA	0181	*
5056	-	LE 189	-	J.I.CUBERO	LE 189	-	ESP	GUADALAJARA	0181	*
5057	-	LE 190	-	J.I.CUBERO	LE 190	-	ESP	GUADALAJARA	0181	*
5058	-	LE 191	-	J.I.CUBERO	LE 191	-	ESP	GUADALAJARA	0181	*
5059	-	-	ICA\FAO	WITCOM\BOURG	7566	0781	JOR	IRBID	0781	*
5060	-	-	ICA\FAO	WITCOM\BOURG	7567	0781	JOR	IRBID	0781	*
5061	-	-	ICA\FAO	WITCOM\BOURG	7569	0781	JOR	BALQA	0781	*
5062	-	-	ICA\FAO	WITCOM\BOURG	7574	0781	JOR	IRBID	0781	*
5063	-	-	ICA\FAO	WITCOM\BOURG	7576	0781	JOR	IRBID	0781	*
5064	-	-	ICA\FAO	WITCOM\BOURG	7578	0781	JOR	IRBID	0781	*
5065	-	-	ICA\FAO	WITCOM\BOURG	7581	0781	JOR	IRBID	0781	*
5066	-	-	ICARDA	J.J.BOURGOIS	7594	0781	JOR	BALQA	0781	*
5067	-	-	ICARDA	J.J.BOURGOIS	7602	0781	JOR	AHHAN	0781	*
5068	-	-	ICARDA	J.J.BOURGOIS	7607	0781	JOR	AHHAN	0781	*
5069	-	-	ICARDA	J.J.BOURGOIS	7617	0781	JOR	AHHAN	0781	*
5070	-	-	ICARDA	J.J.BOURGOIS	7635	0781	JOR	HA'AN	0781	*
5071	DZ	EL 142	DZ	-	EL 142	-	ETH	-	1081	-
5072	PORS	S 177	PORS	K.SENGUPTA	S 177	-	IND	-	1181	-
5073	PORS	S 238	PORS	K.SENGUPTA	S 238	-	IND	-	1181	-
5074	PORS	S 94	PORS	K.SENGUPTA	S 94	-	IND	-	1181	-
5075	PORS	LC 21	PORS	K.SENGUPTA	LC 21	-	IND	WEST BENGAL	1181	-

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedisree)	Chet Cou	Province or Town	Rdat Ind
5076	PORS	LC 26	PORS K.SENGUPTA	LC 26	-	IND WEST BENGAL	1181 -
5077	PORS	LC 38	PORS K.SENGUPTA	LC 38	-	IND WEST BENGAL	1181 -
5078	PORS	LC 41	PORS K.SENGUPTA	LC 41	-	IND WEST BENGAL	1181 -
5079	PORS	LC 88	PORS K.SENGUPTA	LC 88	-	IND WEST BENGAL	1181 -
5080	PORS	LC 23	PORS K.SENGUPTA	LC 23	-	IND WEST BENGAL	1181 -
5081	PORS	LC 90	PORS K.SENGUPTA	LC 90	-	IND WEST BENGAL	1181 -
5082	PORS	LC 40	PORS K.SENGUPTA	LC 40	-	IND WEST BENGAL	1181 -
5083	PORS	LC 73	PORS K.SENGUPTA	LC 73	-	IND WEST BENGAL	1181 -
5084	PORS	LC 81	PORS K.SENGUPTA	LC 81	-	IND WEST BENGAL	1181 -
5085	PORS	LC 82	PORS K.SENGUPTA	LC 82	-	IND WEST BENGAL	1181 -
5086	PORS	LC 74	PORS K.SENGUPTA	LC 74	-	IND WEST BENGAL	1181 -
5087	PORS	LC 19	PORS K.SENGUPTA	LC 19	-	IND WEST BENGAL	1181 -
5088	PORS	LC 89	PORS K.SENGUPTA	LC 89	-	IND WEST BENGAL	1181 -
5089	PORS	LC 71	PORS K.SENGUPTA	LC 71	-	IND WEST BENGAL	1181 -
5090	PORS	LC 56	PORS K.SENGUPTA	LC 56	-	IND WEST BENGAL	1181 -
5091	PORS	LC 51A	PORS K.SENGUPTA	LC 51A	-	IND WEST BENGAL	1181 -
5092	PORS	LC 10	PORS K.SENGUPTA	LC 10	-	IND WEST BENGAL	1181 -
5093	PORS	LC 58	PORS K.SENGUPTA	LC 58	-	IND WEST BENGAL	1181 -
5094	PORS	LC 61	PORS K.SENGUPTA	LC 61	-	IND WEST BENGAL	1181 -
5095	PORS	LC 27	PORS K.SENGUPTA	LC 27	-	IND WEST BENGAL	1181 -
5096	PORS	LC 32	PORS K.SENGUPTA	LC 32	-	IND WEST BENGAL	1181 -
5097	PORS	LC 80	PORS K.SENGUPTA	LC 80	-	IND WEST BENGAL	1181 -
5098	PORS	LC 15	PORS K.SENGUPTA	LC 15	-	IND WEST BENGAL	1181 -
5099	PORS	LC 4	PORS K.SENGUPTA	LC 4	-	IND WEST BENGAL	1181 -
5100	PORS	LC 51B	PORS K.SENGUPTA	LC 51B	-	IND WEST BENGAL	1181 -
5101	PORS	LC 66	PORS K.SENGUPTA	LC 66	-	IND WEST BENGAL	1181 -
5102	PORS	LC 18	PORS K.SENGUPTA	LC 18	-	IND WEST BENGAL	1181 -
5103	PORS	LC 20	PORS K.SENGUPTA	LC 20	-	IND WEST BENGAL	1181 -
5104	PORS	LC 12	PORS K.SENGUPTA	LC 12	-	IND WEST BENGAL	1181 -
5105	PORS	LC 55	PORS K.SENGUPTA	LC 55	-	IND WEST BENGAL	1181 -
5106	PORS	LC 5	PORS K.SENGUPTA	LC 5	-	IND WEST BENGAL	1181 -
5107	PORS	LC 8	PORS K.SENGUPTA	LC 8	-	IND WEST BENGAL	1181 -
5108	PORS	LC 36	PORS K.SENGUPTA	LC 36	-	IND WEST BENGAL	1181 -
5109	PORS	LC 3	PORS K.SENGUPTA	LC 3	-	IND WEST BENGAL	1181 -
5110	PORS	LC 78	PORS K.SENGUPTA	LC 78	-	IND WEST BENGAL	1181 -

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedisree)	CDat	Cou	Province or Town	RDat	Ind
5111	PORS	LC 37	PORS	K. SENGUPTA	LC 37	-	IND	WEST BENGAL	1181	-
5112	PORS	LC 2	PORS	K. SENGUPTA	LC 2	-	IND	WEST BENGAL	1181	-
5113	PORS	LC 30	PORS	K. SENGUPTA	LC 30	-	IND	WEST BENGAL	1181	-
5114	PORS	LC 28	PORS	K. SENGUPTA	LC 28	-	IND	WEST BENGAL	1181	-
5115	PORS	LC 16	PORS	K. SENGUPTA	LC 16	-	IND	WEST BENGAL	1181	-
5116	PORS	LC 48	PORS	K. SENGUPTA	LC 48	-	IND	WEST BENGAL	1181	-
5117	PORS	LC 29	PORS	K. SENGUPTA	LC 29	-	IND	WEST BENGAL	1181	-
5118	PORS	LC 34	PORS	K. SENGUPTA	LC 34	-	IND	WEST BENGAL	1181	-
5119	PORS	LC 39	PORS	K. SENGUPTA	LC 39	-	IND	WEST BENGAL	1181	-
5120	PORS	LC 53	PORS	K. SENGUPTA	LC 53	-	IND	WEST BENGAL	1181	-
5121	PORS	LC 79	PORS	K. SENGUPTA	LC 79	-	IND	WEST BENGAL	1181	-
5122	PORS	LC 44	PORS	K. SENGUPTA	LC 44	-	IND	WEST BENGAL	1181	-
5123	PORS	LC 7	PORS	K. SENGUPTA	LC 7	-	IND	WEST BENGAL	1181	-
5124	PORS	LC 6	PORS	K. SENGUPTA	LC 6	-	IND	WEST BENGAL	1181	-
5125	PORS	LC 91	PORS	K. SENGUPTA	LC 91	-	IND	WEST BENGAL	1181	-
5126	PORS	LC 67	PORS	K. SENGUPTA	LC 67	-	IND	WEST BENGAL	1181	-
5127	PORS	LC 85	PORS	K. SENGUPTA	LC 85	-	IND	WEST BENGAL	1181	-
5128	PORS	LC 35	PORS	K. SENGUPTA	LC 35	-	IND	WEST BENGAL	1181	-
5129	PORS	LC 57	PORS	K. SENGUPTA	LC 57	-	IND	WEST BENGAL	1181	-
5130	PORS	LC 60	PORS	K. SENGUPTA	LC 60	-	IND	WEST BENGAL	1181	-
5131	PORS	LC 13	PORS	K. SENGUPTA	LC 13	-	IND	WEST BENGAL	1181	-
5132	PORS	LC 59	PORS	K. SENGUPTA	LC 59	-	IND	WEST BENGAL	1181	-
5133	PORS	LC 64	PORS	K. SENGUPTA	LC 64	-	IND	WEST BENGAL	1181	-
5134	PORS	LC 86	PORS	K. SENGUPTA	LC 86	-	IND	WEST BENGAL	1181	-
5135	PORS	LC 31	PORS	K. SENGUPTA	LC 31	-	IND	WEST BENGAL	1181	-
5136	PORS	LC 24	PORS	K. SENGUPTA	LC 24	-	IND	WEST BENGAL	1181	-
5137	PORS	LC 9	PORS	K. SENGUPTA	LC 9	-	IND	WEST BENGAL	1181	-
5138	PORS	LC 14	PORS	K. SENGUPTA	LC 14	-	IND	WEST BENGAL	1181	-
5139	PORS	LC 11	PORS	K. SENGUPTA	LC 11	-	IND	WEST BENGAL	1181	-
5140	PORS	LC 75	PORS	K. SENGUPTA	LC 75	-	IND	WEST BENGAL	1181	-
5141	PORS	LC 69	PORS	K. SENGUPTA	LC 69	-	IND	WEST BENGAL	1181	-
5142	PORS	LC 63	PORS	K. SENGUPTA	LC 63	-	IND	WEST BENGAL	1181	-
5143	PORS	LC 65	PORS	K. SENGUPTA	LC 65	-	IND	WEST BENGAL	1181	-
5144	PORS	LC 46	PORS	K. SENGUPTA	LC 46	-	IND	WEST BENGAL	1181	-
5145	PORS	LC 84	PORS	K. SENGUPTA	LC 84	-	IND	WEST BENGAL	1181	-

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedigree)	CDat	Cou	Province or Town	RDat	Ind
5146	PORS	LC 33	PORS	K. SENGUPTA	LC 33	-	IND	WEST BENGAL	1181	-
5147	PORS	LC 42	PORS	K. SENGUPTA	LC 42	-	IND	WEST BENGAL	1181	-
5148	PORS	LC 68	PORS	K. SENGUPTA	LC 68	-	IND	WEST BENGAL	1181	-
5149	PORS	LC 25	PORS	K. SENGUPTA	LC 25	-	IND	WEST BENGAL	1181	-
5150	PORS	LC 52	PORS	K. SENGUPTA	LC 52	-	IND	WEST BENGAL	1181	-
5151	PORS	LC 77	PORS	K. SENGUPTA	LC 77	-	IND	WEST BENGAL	1181	-
5152	UJ	UJL81-7	UJ	N. HADDAD	HAWARA	-	JOR	IRBID	1281	-
5153	UJ	UJL81-13	UJ	N. HADDAD	SAMMA	-	JOR	IRBID	1281	-
5154	UJ	UJL81-14	UJ	N. HADDAD	80SH S1 UJL 13	-	JOR	-	1281	-
5155	UJ	UJL81-15	UJ	N. HADDAD	80SH S2 UJL 13	-	JOR	-	1281	-
5156	UJ	UJL81-16	UJ	N. HADDAD	80SH S3 UJL 13	-	JOR	-	1281	-
5157	UJ	UJL81-17	UJ	N. HADDAD	80SH S4 UJL 13	-	JOR	-	1281	-
5158	UJ	UJL81-18	UJ	N. HADDAD	80SH S6 UJL 13	-	JOR	-	1281	-
5159	UJ	UJL81-19	UJ	N. HADDAD	80SH S7 UJL 13	-	JOR	-	1281	-
5160	UJ	UJL81-20	UJ	N. HADDAD	80SH S8 UJL 13	-	JOR	-	1281	-
5161	UJ	UJL81-21	UJ	N. HADDAD	80SH S9 UJL 13	-	JOR	-	1281	-
5162	UJ	UJL81-22	UJ	N. HADDAD	80SH S10 UJL 13	-	JOR	-	1281	-
5163	UJ	UJL81-23	UJ	N. HADDAD	80SH S12 UJL 13	-	JOR	-	1281	-
5164	UJ	UJL81-24	UJ	N. HADDAD	80SH S13 UJL 13	-	JOR	-	1281	-
5165	UJ	UJL81-25	UJ	N. HADDAD	SAL	-	JOR	IRBID	1281	-
5166	UJ	UJL81-26	UJ	N. HADDAD	80SH S2 UJL 25	-	JOR	-	1281	-
5167	UJ	UJL81-27	UJ	N. HADDAD	80SH S4 UJL 25	-	JOR	-	1281	-
5168	UJ	UJL81-28	UJ	N. HADDAD	80SH S5 UJL 25	-	JOR	-	1281	-
5169	UJ	UJL81-29	UJ	N. HADDAD	80SH S6 UJL 25	-	JOR	-	1281	-
5170	UJ	UJL81-30	UJ	N. HADDAD	80SH S7 UJL 25	-	JOR	-	1281	-
5171	UJ	UJL81-31	UJ	N. HADDAD	80SH S8 UJL 25	-	JOR	-	1281	-
5172	UJ	UJL81-204	UJ	N. HADDAD	80SH S10 UJL 197	-	JOR	-	1281	-
5173	UJ	UJL81-205	UJ	N. HADDAD	80SH S11 UJL 197	-	JOR	-	1281	-
5174	UJ	UJL81-206	UJ	N. HADDAD	80SH S12 UJL 197	-	JOR	-	1281	-
5175	UJ	UJL81-175	UJ	N. HADDAD	HADABA MARKET	-	JOR	AMMAN	1281	-
5176	UJ	UJL81-76	UJ	N. HADDAD	DEIR EL SEINA	-	JOR	IRBID	1281	-
5177	UJ	UJL81-77	UJ	N. HADDAD	IRBID 80 S3	-	JOR	IRBID	1281	-
5178	UJ	UJL81-78	UJ	N. HADDAD	IRBID 80 S5	-	JOR	IRBID	1281	-
5179	UJ	UJL81-79	UJ	N. HADDAD	IRBID 80 S6	-	JOR	IRBID	1281	-
5180	UJ	UJL81-80	UJ	N. HADDAD	BEIT RAS 80 S1	-	JOR	IRBID	1281	-

ILL	Don Org	Don No	Col Ors Collector	Coll No (Pedisree)	CDat Cou	Province or Town	RDat Ind
5181	UJ	UJL81-81	UJ N.HADDAD	BEIT RAS 80 S2	-	JOR IRBID	1281 -
5182	UJ	UJL81-63	UJ N.HADDAD	SOUH AL SHONAK	-	JOR IRBID	1281 -
5183	UJ	UJL81-64	UJ N.HADDAD	80SH S3 UJL 68	-	JOR -	1281 -
5184	UJ	UJL81-66	UJ N.HADDAD	80SH S1 UJL 65	-	JOR -	1281 -
5185	UJ	UJL81-67	UJ N.HADDAD	80SH S2 UJL 65	-	JOR -	1281 -
5186	UJ	UJL81-68	UJ N.HADDAD	80SH S3 UJL 65	-	JOR -	1281 -
5187	UJ	UJL81-177	UJ N.HADDAD	HADABA MARKET	-	JOR AMMAN	1281 -
5188	UJ	UJL81-70	UJ N.HADDAD	80SH S5 UJL 69	-	JOR -	1281 -
5189	UJ	UJL81-71	UJ N.HADDAD	80SH S6 UJL 69	-	JOR -	1281 -
5190	UJ	UJL81-72	UJ N.HADDAD	KUFRJAIZ	-	JOR IRBID	1281 -
5191	UJ	UJL81-73	UJ N.HADDAD	80SH S1 UJL 72	-	JOR -	1281 -
5192	UJ	UJL81-74	UJ N.HADDAD	80SH S2 UJL 72	-	JOR -	1281 -
5193	UJ	UJL81-75	UJ N.HADDAD	80SH S4 UJL 72	-	JOR -	1281 -
5194	UJ	UJL81-60	UJ N.HADDAD	80SH S1 UJL 59	-	JOR -	1281 -
5195	UJ	UJL81-61	UJ N.HADDAD	80SH S2 UJL 59	-	JOR -	1281 -
5196	UJ	UJL81-62	UJ N.HADDAD	80SH S3 UJL 59	-	JOR -	1281 -
5197	UJ	UJL81-82	UJ N.HADDAD	BUSHRA	-	JOR IRBID	1281 -
5198	UJ	UJL81-83	UJ N.HADDAD	80SH S1 UJL 82	-	JOR -	1281 -
5199	UJ	UJL81-84	UJ N.HADDAD	80SH S2 UJL 82	-	JOR -	1281 -
5200	UJ	UJL81-85	UJ N.HADDAD	ISRIT 80 S1	-	JOR IRBID	1281 -
5201	UJ	UJL81-86	UJ N.HADDAD	ISRIT 80 S2	-	JOR IRBID	1281 -
5202	UJ	UJL81-87	UJ N.HADDAD	ISRIT 80 S3	-	JOR IRBID	1281 -
5203	UJ	UJL81-88	UJ N.HADDAD	ISRIT 80 S4	-	JOR IRBID	1281 -
5204	UJ	UJL81-90	UJ N.HADDAD	80SH S1 UJL 89	-	JOR -	1281 -
5205	UJ	UJL81-91	UJ N.HADDAD	80SH S2 UJL 89	-	JOR -	1281 -
5206	UJ	UJL981 92	UJ N.HADDAD	80SH S4 UJL 89	-	JOR -	1281 -
5207	UJ	UJL81-135	UJ N.HADDAD	SHAGARA	-	JOR IRBID	1281 -
5208	UJ	UJL81-94	UJ N.HADDAD	80SH S1 UJL 94	-	JOR -	1281 -
5209	UJ	UJL81-136	UJ N.HADDAD	BEITRAS 80 S1	-	JOR -	1281 -
5210	UJ	UJL981 95	UJ N.HADDAD	80SH S2 UJL 94	-	JOR -	1281 -
5211	UJ	UJL81-97	UJ N.HADDAD	80SH S4 UJL 94	-	JOR -	1281 -
5212	UJ	UJL81-98	UJ N.HADDAD	80SH S5 UJL 94	-	JOR -	1281 -
5213	UJ	UJL81-99	UJ N.HADDAD	80SH S6 UJL 94	-	JOR -	1281 -
5214	UJ	UJL81-100	UJ N.HADDAD	80SH S7 UJL 94	-	JOR -	1281 -
5215	UJ	UJL81-102	UJ N.HADDAD	80SH S1 UJL 101	-	JOR -	1281 -

ILL	Don Ors	Don No	Col Ors	Collector	Coll No (Pedistree)	CDat Cou	Province or Town	RDat Ind
5216	UJ	UJL81-103	UJ	N.HADDAD	80SH S2 UJL 101	-	JOR -	1281 -
5217	UJ	UJL81-104	UJ	N.HADDAD	80SH S3 UJL 101	-	JOR -	1281 -
5218	UJ	UJL81-105	UJ	N.HADDAD	80SH S4 UJL 101	-	JOR -	1281 -
5219	UJ	UJL81-107	UJ	N.HADDAD	MALKA	-	JOR IR81D	1281 -
5220	UJ	UJL81-108	UJ	N.HADDAD	80SH S1 UJL 107	-	JOR -	1281 -
5221	UJ	UJL81-109	UJ	N.HADDAD	80SH S2 UJL 107	-	JOR -	1281 -
5222	UJ	UJL81-110	UJ	N.HADDAD	80SH S3 UJL 107	-	JOR -	1281 -
5223	UJ	UJL81-111	UJ	N.HADDAD	80SH S6 UJL 107	-	JOR -	1281 -
5224	UJ	UJL81-112	UJ	N.HADDAD	80SH S7 UJL 107	-	JOR -	1281 -
5225	UJ	UJL81-113	UJ	N.HADDAD	KHARJA 80HIS S 137	-	JOR IR81D	1281 -
5226	UJ	UJL81-114	UJ	N.HADDAD	IR81D 80HIS S 133	-	JOR IR81D	1281 -
5227	UJ	UJL81-115	UJ	N.HADDAD	IR81D 80HIS S 134	-	JOR IR81D	1281 -
5228	UJ	UJL81-116	UJ	N.HADDAD	IR81D 80HIS S 135	-	JOR IR81D	1281 -
5229	UJ	UJL81-117	UJ	N.HADDAD	ZMALL 80HIS S 130	-	JOR IR81D	1281 -
5230	UJ	UJL81-119	UJ	N.HADDAD	KUFRABEL 80HIS S 127	-	JOR IR81D	1281 -
5231	UJ	UJL81-120	UJ	N.HADDAD	KUFRABEL 80HIS S 128	-	JOR IR81D	1281 -
5232	UJ	UJL81-121	UJ	N.HADDAD	KUFRABEL 80HIS S 129	-	JOR IR81D	1281 -
5233	UJ	UJL81-122	UJ	N.HADDAD	KUFRABEL 80HIS S 121	-	JOR IR81D	1281 -
5234	UJ	UJL81-123	UJ	N.HADDAD	KUFRABEL 80HIS S 122	-	JOR IR81D	1281 -
5235	UJ	UJL81-124	UJ	N.HADDAD	KUFRABEL 80HIS S 123	-	JOR IR81D	1281 -
5236	UJ	UJL81-125	UJ	N.HADDAD	JUFFAIN 80HIS S 124	-	JOR IR81D	1281 -
5237	UJ	UJL81-8	UJ	N.HADDAD	80SH S3 UJL 7	-	JOR IR81D	1281 -
5238	UJ	UJL81-9	UJ	N.HADDAD	80SH S4 UJL 7	-	JOR -	1281 -
5239	UJ	UJL81-10	UJ	N.HADDAD	80SH S5 UJL 7	-	JOR -	1281 -
5240	UJ	UJL81-11	UJ	N.HADDAD	80SH S6 UJL 7	-	JOR -	1281 -
5241	UJ	UJL81-12	UJ	N.HADDAD	80SH S7 UJL 7	-	JOR -	1281 -
5242	UJ	UJL81-127	UJ	N.HADDAD	RANTHA 80RAH.S 45	-	JOR IR81D	1281 -
5243	UJ	UJL81-128	UJ	N.HADDAD	RANTHA 80RAH.S 46	-	JOR IR81D	1281 -
5244	UJ	UJL81-129	UJ	N.HADDAD	RANTHA 80RAH.S 47	-	JOR IR81D	1281 -
5245	UJ	UJL81-130	UJ	N.HADDAD	RANTHA 80RAH.S 61	-	JOR IR81D	1281 -
5246	UJ	UJL81-131	UJ	N.HADDAD	RANTHA 80 S1	-	JOR IR81D	1281 -
5247	UJ	UJL81-132	UJ	N.HADDAD	RANTHA 80 S2	-	JOR IR81D	1281 -
5248	UJ	UJL81-173	UJ	N.HADDAD	AMMAN MARKET	-	JOR AMMAN	1281 -
5249	UJ	UJL81-133	UJ	N.HADDAD	RANTHA E S1	-	JOR IR81D	1281 -
5250	UJ	UJL81-134	UJ	N.HADDAD	RANTHA E S2	-	JOR IR81D	1281 -

ILL	Don Ors	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
5251	UJ	UJL81-32	N. HADDAD	NAIMA	JOR	IRBID	1281 -
5252	UJ	UJL81-33	N. HADDAD	80SH S2 UJL 32	JOR	-	1281 -
5253	UJ	UJL81-34	N. HADDAD	80SH S3 UJL 32	JOR	-	1281 -
5254	UJ	UJL81-35	N. HADDAD	80SH S6 UJL 32	JOR	-	1281 -
5255	UJ	UJL81-36	N. HADDAD	80SH S9 UJL 32	JOR	-	1281 -
5256	UJ	UJL81-37	N. HADDAD	80SH S11 UJL 32	JOR	-	1281 -
5257	UJ	UJL81-38	N. HADDAD	80SH S13 UJL 32	JOR	-	1281 -
5258	UJ	UJL81-39	N. HADDAD	80SH S14 UJL 32	JOR	-	1281 -
5259	UJ	UJL81-40	N. HADDAD	80SH S15 UJL 32	JOR	-	1281 -
5260	UJ	UJL81-41	N. HADDAD	80SH S16 UJL 32	JOR	-	1281 -
5261	UJ	UJL81-42	N. HADDAD	80SH S19 UJL 32	JOR	-	1281 -
5262	UJ	UJL81-43	N. HADDAD	80SH S22 UJL 32	JOR	-	1281 -
5263	UJ	UJL81-44	N. HADDAD	80SH S23 UJL 32	JOR	-	1281 -
5264	UJ	UJL81-45	N. HADDAD	80SH S24 UJL 32	JOR	-	1281 -
5265	UJ	UJL81-46	N. HADDAD	80SH S25 UJL 32	JOR	-	1281 -
5266	UJ	UJL81-47	N. HADDAD	80SH S26 UJL 32	JOR	-	1281 -
5267	UJ	UJL81-48	N. HADDAD	80SH S28 UJL 32	JOR	-	1281 -
5268	UJ	UJL81-49	N. HADDAD	80SH S29 UJL 32	JOR	-	1281 -
5269	UJ	UJL81-50	N. HADDAD	80SH S30 UJL 32	JOR	-	1281 -
5270	UJ	UJL81-51	N. HADDAD	NAIMA E	JOR	IRBID	1281 -
5271	UJ	UJL81-52	N. HADDAD	80SH S3 UJL 51	JOR	-	1281 -
5272	UJ	UJL81-53	N. HADDAD	80SH S4 UJL 51	JOR	-	1281 -
5273	UJ	UJL81-54	N. HADDAD	80SH S5 UJL 51	JOR	-	1281 -
5274	UJ	UJL81-55	N. HADDAD	80SH S6 UJL 51	JOR	-	1281 -
5275	UJ	UJL81-56	N. HADDAD	80SH S7 UJL 51	JOR	-	1281 -
5276	UJ	UJL81-57	N. HADDAD	80SH S8 UJL 51	JOR	-	1281 -
5277	UJ	UJL81-58	N. HADDAD	80SH S9 UJL 51	JOR	-	1281 -
5278	UJ	UJL81-2	N. HADDAD	IRBID MARKET	JOR	IRBID	1281 -
5279	UJ	UJL81-196	N. HADDAD	MAURA 80 S1	JOR	AHMAN	1281 -
5280	UJ	UJL81-213	N. HADDAD	MADABA 80 S1	JOR	AHMAN	1281 -
5281	UJ	UJL81-214	N. HADDAD	MADABA 80 S2	JOR	AHMAN	1281 -
5282	UJ	UJL81-215	N. HADDAD	MADABA 80 S3	JOR	AHMAN	1281 -
5283	UJ	UJL81-216	N. HADDAD	MADABA 80 S4	JOR	AHMAN	1281 -
5284	UJ	UJL81-3	N. HADDAD	IRBID MARKET	JOR	IRBID	1281 -
5285	UJ	UJL81-198	N. HADDAD	80SH S1 UJL 197	JOR	-	1281 -

ILL	Don	Ors	Don No	Col	Ors	Collector	Coll No (Pedisree)	CDat	Cou	Province or Town	RDat	Ind
5286	UJ		UJL81-199	UJ		N.HADDAD	80SH S2 UJL 197	-	JOR	-	1281	-
5287	UJ		UJL81-200	UJ		N.HADDAD	80SH S3 UJL 197	-	JOR	-	1281	-
5288	UJ		UJL81-201	UJ		N.HADDAD	80SH S4 UJL 197	-	JOR	-	1281	-
5289	UJ		UJL81-202	UJ		N.HADDAD	80SH S5 UJL 197	-	JOR	-	1281	-
5290	UJ		UJL81-203	UJ		N.HADDAD	80SH S6 UJL 197	-	JOR	-	1281	-
5291	UJ		UJL81-207	UJ		N.HADDAD	MSHAGAR	-	JOR	-	1281	-
5292	UJ		UJL81-208	UJ		N.HADDAD	80SH S1 UJL 207	-	JOR	-	1281	-
5293	UJ		UJL81-209	UJ		N.HADDAD	80SH S2 UJL 207	-	JOR	-	1281	-
5294	UJ		UJL81-210	UJ		N.HADDAD	80SH S3 UJL 207	-	JOR	-	1281	-
5295	UJ		UJL81-211	UJ		N.HADDAD	80SH S4 UJL 207	-	JOR	-	1281	-
5296	UJ		UJL81-212	UJ		N.HADDAD	80SH S5 UJL 207	-	JOR	-	1281	-
5297	UJ		UJL81-180	UJ		N.HADDAD	80SH S2 UJL 179	-	JOR	-	1281	-
5298	UJ		UJL81-181	UJ		N.HADDAD	80SH S4 UJL 179	-	JOR	-	1281	-
5299	UJ		UJL81-182	UJ		N.HADDAD	80SH S5 UJL 179	-	JOR	-	1281	-
5300	UJ		UJL81-219	UJ		N.HADDAD	WALA	-	JOR	AMMAN	1281	-
5301	UJ		UJL81-220	UJ		N.HADDAD	80SH S1 UJL 219	-	JOR	-	1281	-
5302	UJ		UJL81-221	UJ		N.HADDAD	80SH S2 UJL 219	-	JOR	-	1281	-
5303	UJ		UJL81-222	UJ		N.HADDAD	80SH S4 UJL 219	-	JOR	-	1281	-
5304	UJ		UJL81-223	UJ		N.HADDAD	80SH S5 UJL 219	-	JOR	-	1281	-
5305	UJ		UJL81-224	UJ		N.HADDAD	MAKAWER	-	JOR	AMMAN	1281	-
5306	UJ		UJL81-225	UJ		N.HADDAD	80SH S1 UJL 224	-	JOR	-	1281	-
5307	UJ		UJL81-226	UJ		N.HADDAD	80SH S2 UJL 224	-	JOR	-	1281	-
5308	UJ		UJL81-227	UJ		N.HADDAD	80SH S3 UJL 224	-	JOR	-	1281	-
5309	UJ		UJL81-228	UJ		N.HADDAD		-	JOR	-	1281	-
5310	UJ		UJL81-230	UJ		N.HADDAD	80SH S1 UJL 229	-	JOR	-	1281	-
5311	UJ		UJL81-231	UJ		N.HADDAD	80SH S2 UJL 229	-	JOR	-	1281	-
5312	UJ		UJL81-232	UJ		N.HADDAD	80SH S3 UJL 229	-	JOR	-	1281	-
5313	UJ		UJL81-233	UJ		N.HADDAD	80SH S4 UJL 229	-	JOR	-	1281	-
5314	UJ		UJL81-234	UJ		N.HADDAD	80SH S5 UJL 229	-	JOR	-	1281	-
5315	UJ		UJL81-241	UJ		N.HADDAD	EL QASER	-	JOR	KARAK	1281	-
5316	UJ		UJL81-242	UJ		N.HADDAD	80SH S5 UJL 241	-	JOR	-	1281	-
5317	UJ		UJL81-243	UJ		N.HADDAD	MSHERFA	-	JOR	KARAK	1281	-
5318	UJ		UJL81-244	UJ		N.HADDAD	80SH S2 UJL 242	-	JOR	-	1281	-
5319	UJ		UJL81-245	UJ		N.HADDAD	TANIAH 80 S2	-	JOR	KARAK	1281	-
5320	UJ		UJL81-246	UJ		N.HADDAD	TANIAH 80 S3	-	JOR	KARAK	1281	-

ILL	Don Org	Don No	Col Org Collector	Coll No (Pedigree)	CDat Cou	Province or Town	RDat Ind
5321	UJ	UJL81-247	N.HADDAD	TANIAH 80 S5	-	JOR KARAK	1281 -
5322	UJ	UJL81-178	N.HADDAD	MADABA MARKET	-	JOR AMMAN	1281 -
5323	UJ	UJL81-249	N.HADDAD	KARAK 80HIS S 140	-	JOR KARAK	1281 -
5324	UJ	UJL81-146	N.HADDAD	SALT 80 S1	-	JOR SALT	1281 -
5325	UJ	UJL81-147	N.HADDAD	SALT 80 S2	-	JOR SALT	1281 -
5326	UJ	UJL81-148	N.HADDAD	SALT 80 S3	-	JOR SALT	1281 -
5327	UJ	UJL81-239	N.HADDAD	KARAK MARKET	-	JOR KARAK	1281 -
5328	UJ	UJL81-4	N.HADDAD	IRBID MARKET	-	JOR IRBID	1281 -
5329	UJ	UJL81-150	N.HADDAD	WADI HAWI 80 S3	-	JOR SALT	1281 -
5330	UJ	UJL81-151	N.HADDAD	WADI HAWI 80 S4	-	JOR SALT	1281 -
5331	UJ	UJL81-155	N.HADDAD	80SH S1 UJL 154	-	JOR -	1281 -
5332	UJ	UJL81-158	N.HADDAD	KUFRHADA	-	JOR SALT	1281 -
5333	UJ	UJL81-159	N.HADDAD	80SH S1 UJL 158	-	JOR -	1281 -
5334	UJ	UJL81-160	N.HADDAD	80SH S2 UJL 158	-	JOR -	1281 -
5335	UJ	UJL81-5	N.HADDAD	IRBID MARKET	-	JOR IRBID	1281 -
5336	UJ	UJL81-161	N.HADDAD	UMZAITUNA	-	JOR SALT	1281 -
5337	UJ	UJL81-162	N.HADDAD	80SH S1 UJL 161	-	JOR -	1281 -
5338	UJ	UJL81-163	N.HADDAD	80SH S2 UJL 161	-	JOR -	1281 -
5339	UJ	UJL81-164	N.HADDAD	80SH S3 UJL 161	-	JOR -	1281 -
5340	UJ	UJL81-165	N.HADDAD	80SH S4 UJL 161	-	JOR -	1281 -
5341	UJ	UJL81-167	N.HADDAD	80SH S2 UJL 166	-	JOR -	1281 -
5342	UJ	UJL81-168	N.HADDAD	80SH S3 UJL 166	-	JOR -	1281 -
5343	UJ	UJL81-169	N.HADDAD	80SH S4 UJL 166	-	JOR -	1281 -
5344	UJ	UJL81-170	N.HADDAD	80SH S5 UJL 166	-	JOR -	1281 -
5345	UJ	UJL81-251	N.HADDAD	80SH S2 UJL 250	-	JOR -	1281 -
5346	UJ	UJL81-252	N.HADDAD	80SH S3 UJL 250	-	JOR -	1281 -
5347	UJ	UJL81-183	N.HADDAD	JOBEIHA	-	JOR AMMAN	1281 -
5348	UJ	UJL81-184	N.HADDAD	80SH S1 UJL 183	-	JOR -	1281 -
5349	UJ	UJL81-6	N.HADDAD	IRBID MARKET	-	JOR IRBID	1281 -
5350	UJ	UJL81-185	N.HADDAD	80SH S4 UJL 183	-	JOR -	1281 -
5351	UJ	UJL81-186	N.HADDAD	80SH S5 UJL 183	-	JOR -	1281 -
5352	UJ	UJL81-187	N.HADDAD	80SH S7 UJL 183	-	JOR -	1281 -
5353	UJ	UJL81-188	N.HADDAD	80SH S9 UJL 183	-	JOR -	1281 -
5354	UJ	UJL81-189	N.HADDAD	80SH S10 UJL 183	-	JOR -	1281 -
5355	UJ	UJL81-190	N.HADDAD	80SH S11 UJL 183	-	JOR -	1281 -

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedigree)	CDat	Cou	Province or Town	RDat	Ind
5356	UJ	UJL81-174	UJ	N.HADDAD	AMMAN MARKET	-	JOR	AMMAN	1281	-
5357	UJ	UJL81-191	UJ	N.HADDAD	ILA'A EL ALI 80 S2	-	JOR	AMMAN	1281	-
5358	UJ	UJL81-192	UJ	N.HADDAD	ILA'A EL ALI 80 S3	-	JOR	AMMAN	1281	-
5359	UJ	UJL81-193	UJ	N.HADDAD	ILA'A EL ALI 80 S4	-	JOR	AMMAN	1281	-
5360	UJ	UJL81-194	UJ	N.HADDAD	ILA'A EL ALI 80 S5	-	JOR	AMMAN	1281	-
5361	UJ	UJL81-195	UJ	N.HADDAD	ILA'A EL ALI 80 S6	-	JOR	AMMAN	1281	-
5362	UJ	UJL81-137	UJ	N.HADDAD	SHUNA N.	-	JOR	J. VALLEY	1281	-
5363	UJ	UJL81-138	UJ	N.HADDAD	80SH S1 UJL 137	-	JOR	-	1281	-
5364	UJ	UJL81-139	UJ	N.HADDAD	80SH S2 UJL 137	-	JOR	-	1281	-
5365	UJ	UJL81-140	UJ	N.HADDAD	80SH S3 UJL 137	-	JOR	-	1281	-
5366	UJ	UJL81-141	UJ	N.HADDAD	WADI EL ARAB 80 S1	-	JOR	J. VALLEY	1281	-
5367	UJ	UJL81-142	UJ	N.HADDAD	WADI EL ARAB 80 S2	-	JOR	J. VALLEY	1281	-
5368	UJ	UJL81-143	UJ	N.HADDAD	WADI EL ARAB 80 S3	-	JOR	J. VALLEY	1281	-
5369	UJ	UJL81-144	UJ	N.HADDAD	WADI EL ARAB 80 S4	-	JOR	J. VALLEY	1281	-
5370	UJ	UJL81-145	UJ	N.HADDAD	WADI EL ARAB 80 S5	-	JOR	J. VALLEY	1281	-
5371	UJ	UJL81-253	UJ	N.HADDAD	SHAUBACK	-	JOR	MA'AN	1281	-
5372	UJ	UJL81-254	UJ	N.HADDAD	80SH S1 UJL 253	-	JOR	-	1281	-
5373	UJ	UJL81-255	UJ	N.HADDAD	80SH S2 UJL 253	-	JOR	-	1281	-
5374	UJ	UJL81-256	UJ	N.HADDAD	80SH S3 UJL 253	-	JOR	-	1281	-
5375	UJ	UJL81-257	UJ	N.HADDAD	80SH S4 UJL 253	-	JOR	-	1281	-
5376	UJ	UJL81-258	UJ	N.HADDAD	80SH S5 UJL 253	-	JOR	-	1281	-
5377	UJ	UJL81-259	UJ	N.HADDAD	80SH S6 UJL 253	-	JOR	-	1281	-
5378	UJ	UJL81-248	UJ	N.HADDAD	TANIAH 80 S7	-	JOR	KARAK	1281	-
5379	UJ	UJL81-260	UJ	N.HADDAD	-	-	JOR	-	1281	-
5380	UJ	UJL81-261	UJ	N.HADDAD	-	-	JOR	-	1281	-
5381	UJ	UJL81-262	UJ	N.HADDAD	-	-	JOR	-	1281	-
5382	UJ	UJL81-263	UJ	N.HADDAD	-	-	JOR	-	1281	-
5383	UJ	UJL81-264	UJ	N.HADDAD	-	-	JOR	-	1281	-
5384	UJ	UJL81-265	UJ	N.HADDAD	-	-	JOR	-	1281	-
5385	UJ	UJL81-266	UJ	N.HADDAD	-	-	JOR	-	1281	-
5386	UJ	UJL81-267	UJ	N.HADDAD	-	-	JOR	-	1281	-
5387	UJ	UJL81-268	UJ	N.HADDAD	-	-	JOR	-	1281	-
5388	UJ	UJL81-269	UJ	N.HADDAD	-	-	JOR	-	1281	-
5389	UJ	UJL81-270	UJ	N.HADDAD	-	-	JOR	-	1281	-
5390	UJ	UJL81-271	UJ	N.HADDAD	-	-	JOR	-	1281	-

ILL	Don Org	Don No	Col Org	Collector	Coll No (Pedisree)	CDat	Cou	Province or Town	RDat	Ind
5391	UJ	UJL81-272	UJ	N.HADDAD	-	-	JOR	-	1281	-
5392	UJ	UJL81-273	UJ	N.HADDAD	-	-	JOR	-	1281	-
5393	UJ	UJL81-274	UJ	N.HADDAD	-	-	JOR	-	1281	-
5394	UJ	UJL81-275	UJ	N.HADDAD	-	-	JOR	-	1281	-
5395	UJ	UJL81-276	UJ	N.HADDAD	-	-	JOR	-	1281	-
5396	UJ	UJL81-277	UJ	N.HADDAD	-	-	JOR	-	1281	-
5397	UJ	UJL81-278	UJ	N.HADDAD	-	-	JOR	-	1281	-
5398	IWS	BORISOVO-3	IWS	-	BORISOVO-3	-	BGR	-	1281	-
5399	IWS	VODEN-5	IWS	-	VODEN-5	-	BGR	-	1281	-
5400	IWS	FAKIA-2	IWS	-	FAKIA-2	-	BGR	-	1281	-
5401	IWS	MEDOVINA-1	IWS	-	MEDOVINA-1	-	BGR	-	1281	-
5402	IWS	MANASTIRICA-1	IWS	-	MANASTIRICA-1	-	BGR	-	1281	-
5403	IWS	RUSE-1	IWS	-	RUSE-1	-	BGR	-	1281	-
5404	IWS	RUGICA-1	IWS	-	RUGICA-1	-	BGR	-	1281	-
5405	IWS	DOBRICH	IWS	-	DOBRICH	-	BGR	-	1281	-
5406	IWS	M.SHARKOVA	IWS	-	M.SHARKOVO	-	BGR	-	1281	-
5407	IWS	MANASTIRICA-4	IWS	-	MANASTIRICA-4	-	BGR	-	1281	-
5408	IWS	KUBADIN-3	IWS	-	KUBADIN-3	-	BGR	-	1281	-
5409	IWS	GELIASKOVO-1	IWS	-	GELIASKOVO-1	-	BGR	-	1281	-
5410	IWS	GELIASKOVO-9	IWS	-	GELIASKOVO-9	-	BGR	-	1281	-
5411	IWS	MIZIA	IWS	-	MIZIA	-	BGR	-	1281	-
5412	IWS	OBRAZTCOV	IWS	-	OBRAZTCOV CHIFLIK - 27	-	BGR	-	1281	-
5413	IWS	GIGANT BN	IWS	-	GIGANT BN	-	BGR	-	1281	-
5414	IWS	KOLOS-6	IWS	-	KOLOS-6	-	BGR	-	1281	-
5415	IWS	KOLOS-4-25	IWS	-	KOLOS-4-25	-	BGR	-	1281	-
5416	-	-	ICARDA	S.CECCARELLI	CASTELLUCIO	-	ITA	CASTELLUCIO	0182	*
5417	-	-	ICARDA	S.CECCARELLI	CASTELLUCIO	-	ITA	CASTELLUCIO	0182	*
5418	-	-	ICARDA	S.CECCARELLI	CASTELLUCIO	-	ITA	CASTELLUCIO	0182	*
5419	INIATEH	ARAUCANIAN 1085	INIATEH	M.MERA	ARAUCANIAN 1085	-	CHL	-	0182	-
5420	INIATEH	ARAUCANIAN 1121	INIATEH	M.MERA	ARAUCANIAN 1121	-	CHL	-	0182	-
5421	INIATEH	ARAUCANIAN 1223	INIATEH	M.MERA	ARAUCANIAN 1223	-	CHL	-	0182	-
5422	WSU	LC 071952	WSU	-	LC 071952	-	USA	-	0181	-
5423	WSU	BENEWAH	WSU	-	BENEWAH	-	USA	-	0181	-
5424	IUNG	-	IUNG	J.ROCKNIARZ	-	-	POL	LUBLIN	0482	-
						-	POL	LUBLIN	0482	-

PASSPORT INFORMATION-ADDITIONAL COLLECTION INFORMATION

Abbreviations used in the listing passport information - additional collection information.

Lat	Latitude
Long	Longitude
Alt	Altitude(m)

Ind	ILL	Remarks	Lat	Long	Alt	Ind	ILL	Remarks	Lat	Long	Alt
*	20	ANRAHA	-	-	-	*	144	SULTANI AFYON MARKET	-	-	-
*	21	AL SHAJARA	-	-	-	*	145	SULTANI GOMHECE	-	-	-
*	22	TORRA	-	-	-	*	147	SILIVRI	-	-	-
*	24	HOURLAN	-	-	-	*	148	KAGIZHAN	-	-	-
*	53	AYEN SFENI	-	-	-	*	149	ARAPLI SARKOY	-	-	-
*	54	SHIKAN	-	-	-	*	150	YALOVA	-	-	-
*	61	EL DEHANI	-	-	-	*	151	KURE	-	-	-
*	79	ACARA TOLEDO	-	-	-	*	152	MERZIFON	-	-	-
*	80	MARINO SANCHEZ	-	-	-	*	153	CIRCIN ALOKA	-	-	-
*	81	VILLAMIL 76	-	-	-	*	154	HIMANIS	-	-	-
*	111	SELIMIYE	-	-	-	*	155	YUKSEKOVA	-	-	-
*	112	KOYCEGIZ	-	-	-	*	156	CUKURCA	-	-	-
*	114	-	-	-	-	*	158	ZAKI	-	-	-
*	115	KIRKLARELI	-	-	-	*	170	SILIBA ESKISEHIR	-	-	-
*	116	KIRKLARELI	-	-	-	*	176	KURE	-	-	-
*	117	KIRKLARELI	-	-	-	*	180	BARBATAS	-	-	-
*	118	GOKCE VIRAN	-	-	-	*	182	UZUNKORPRU	-	-	-
*	119	MANAVGAT	-	-	-	*	183	MALKARA	-	-	-
*	120	TOKAT	-	-	-	*	191	AL MARJ	-	-	-
*	121	SULTANI	-	-	-	*	233	HAMEDAN	-	-	-
*	122	CINAR	-	-	-	*	237	KOLHOZ 9	-	-	-
*	124	-	-	-	-	*	304	ARFOREN	-	-	-
*	125	MALATYA	-	-	-	*	305	SR. IRENE	-	-	-
*	126	ELAZIG	-	-	-	*	306	DRESTIAS	-	-	-
*	127	ACIHANUK	-	-	-	*	307	PERIKOURISI	-	-	-
*	129	SUSUZ MARKET	-	-	-	*	308	AHLADINI	-	-	-
*	131	ELAZIG	-	-	-	*	309	DAFNI	-	-	-
*	132	TEHRI	-	-	-	*	311	ORECCASTRON	-	-	-
*	133	TEKIRDAG	-	-	-	*	312	PEGENTIANI	-	-	-
*	134	KASTA MONU	-	-	-	*	317	SOUK EL TLETA	-	-	-
*	135	CANAKKALE	-	-	-	*	318	NUMMULARIA	-	-	-
*	136	BEZIRGANLI CIFTLIGI	-	-	-	*	319	VIOLASCENS	-	-	-
*	137	SULTANI	-	-	-	*	321	PYRGI	-	-	-
*	139	KAYSERI	-	-	-	*	322	MOLLE	-	-	-
*	142	YILDIZELI SIVAS	-	-	-	*	343	TURKISH	-	-	-

Ind	ILL	Remarks	Lat	Long	Alt	Ind	ILL	Remarks	Lat	Long	Alt
*	344	TURKISH	-	-	-	*	1682	DEMBIA	-	-	-
*	359	LA LIGUA ACONCAGUA	-	-	-	*	1683	CHORE ADANA	-	-	-
*	360	MULCHEN BIO-BIO	-	-	-	*	1684	HOHO GUDRU JIMNA GENETA	-	-	-
*	361	MATANZAS SANTIAGO	-	-	-	*	1685	MENJAR BOSET	-	-	-
*	362	ZAPALLAR ACONCAGUA	-	-	-	*	1686	SENANA	-	-	-
*	363	LONGOTAMA ACONCAGUA	-	-	-	*	1687	DALE SIDANA	-	-	-
*	364	NAVIDAD SANTIAGO	-	-	-	*	1688	KAMUSIL	-	-	-
*	433	QUINTEROS VALPARAISO	-	-	-	*	1689	GADAYA BILA NEKEMPT	-	-	-
*	434	CUREPTO TALCA	-	-	-	*	1690	ADDIS ALEM	-	-	-
*	435	LICANCHEU SANTIAGO	-	-	-	*	1691	BIYA LUME	-	-	-
*	436	PARRAL LINARES	-	-	-	*	1693	SULUTTOR MENAGESHA	-	-	-
*	437	PUPUYA TALCA	-	-	-	*	1694	ADDIS ALEM MENAGESHA	-	-	-
*	454	PALQUIBUDIS CURICO	-	-	-	*	1695	ADDIS ALEM MENAGESHA	-	-	-
*	455	LARA CURICO	-	-	-	*	1696	ENEMEYA BICHEHA	-	-	-
*	460	LAJA BIO#BIO	-	-	-	*	1697	CHIRO	-	-	-
*	463	SANTA FE BIO#BIO	-	-	-	*	1699	DABAT WAGERA	-	-	-
*	564	SULTANI	-	-	-	*	1700	DEDOHA	-	-	-
*	565	SULTANI	-	-	-	*	1701	SULUTTA MENAGESHA	-	-	-
*	567	YERLI	-	-	-	*	1702	DEBRA MARBOS	-	-	-
*	568	KIRNIZI	-	-	-	*	1703	SULUTTA MENAGESHA	-	-	-
*	569	KIRNIZI	-	-	-	*	1704	ADDIS ALEHMENAGESHA	-	-	-
*	571	SULTANI	-	-	-	*	1705	DABBAT WAGERA	-	-	-
*	572	SULTANI	-	-	-	*	1706	SHASHEMENNE HAIKOCH BUTAJIRA	-	-	-
*	573	SIYAH	-	-	-	*	1707	WATER KERSA	-	-	-
*	574	SIYAH	-	-	-	*	1708	AZEZO TERDO MEKETEL	-	-	-
*	842	10KM N OF TRIPOLI	-	-	-	*	1709	DENDE JIBAT MECHA	-	-	-
*	844	25KM N OF BEKAA	-	-	-	*	1710	DEMBIA GONDAR	-	-	-
*	852	WESTERN BEKAA	-	-	-	*	1711	DENDE JIBAT MECHA	-	-	-
*	860	DUPLICATE 860	-	-	-	*	1712	BURESHITUDE KOLADEGADAMAT	-	-	-
*	1672	KORA LUME	-	-	-	*	1713	DEBRE MARKOS	-	-	-
*	1673	GORO FACI	-	-	-	*	1714	AMBASSEL	-	-	-
*	1674	ADDIS ALEM MENAGESHA	-	-	-	*	1715	AMBO JIBAT MECHA	-	-	-
*	1675	ADDIS ALEM BECHO	-	-	-	*	1716	KEMABAN ADDIS ZEMHE	-	-	-
*	1678	CHENCHOR	-	-	-	*	1717	DEJEN DEBRE MARKOS	-	-	-
*	1679	DEDDOLA GENALE	-	-	-	*	1718	GUBALAFTE YEIJU	-	-	-

Ind ILL	Remarks	Lat	Long	Alt	Ind ILL	Remarks	Lat	Long	Alt
* 1719	DEBRE ZEIT ADA	-	-	-	*	2122 KHAN SHEIKHOUN	-	-	-
* 1720	DEBRE ZEIT ADA	-	-	-	*	2136 YARPUZ	-	-	-
* 1721	NEGHELLE	-	-	-	*	2137 YARPUZ	-	-	-
* 1722	KUNI	-	-	-	*	2138 YARPUZ	-	-	-
* 1723	ADABBA GENALE	-	-	-	*	2139 YARPUZ	-	-	-
* 1724	DEDOLA GENALE	-	-	-	*	2140 YARPUZ	-	-	-
* 1726	NEGHELLE	-	-	-	*	2141 YARPUZ	-	-	-
* 1730	DEDOLA GENALE	-	-	-	*	3393 VOSK	-	-	-
* 1732	ADDIS ALEM	-	-	-	*	3397 COPTICUM	-	-	-
* 1733	WELKETE MKT	-	-	-	*	4362 JUBA	-	-	-
* 1734	DIBELLA MKT	-	-	-	*	4367 AFANYA VALLEY	-	-	-
* 1735	DEBRE ZEIT MKT	-	-	-	*	4369 MARKET	-	-	-
* 1737	SEBATA MENAGESHA	-	-	-	*	4370 MARKET	-	-	-
* 1738	ASEGONE	-	-	-	*	4381 LAHIA	-	-	-
* 1739	DIBELLA MKT	-	-	-	*	4445 JABAL SAMAN KAMARY	-	-	-
* 1741	DIBELLA MKT	-	-	-	*	4446 JABAL SAMAN KAMARY	-	-	-
* 1744	WELKETE	-	-	-	*	4447 JABAL SAMAN HAWAY	-	-	-
* 1745	SEBATA MENAGESHA	-	-	-	*	4448 JABAL SAMAN HAWAY	-	-	-
* 1746	HOLETTA MKT	-	-	-	*	4449 ALKAFR	-	-	-
* 1747	GHION	-	-	-	*	4450 ALKAFR	-	-	-
* 1748	DIBELLA	-	-	-	*	4451 ALKAFR	-	-	-
* 1824	21KM FROM BARAK	-	-	-	*	4452 KAFRIA	-	-	-
* 1862	LOCAL FIELD SAMPLE	-	-	-	*	4453 KAFRIA	-	-	-
* 1863	LOCAL FIELD SAMPLE	-	-	-	*	4454 SLAMIN	-	-	-
* 1864	DIER AZZAH FIELD SAMPLE	-	-	-	*	4455 BARESA	-	-	-
* 1865	ZALANI	-	-	-	*	4456 SLAMIN	-	-	-
* 1866	HAZZINAZ	-	-	-	*	4457 ABQALKHUSS	-	-	-
* 1870	ARAKI LOCAL	-	-	-	*	4458 ARBIK	-	-	-
* 1892	M.OF NAWER	-	-	-	*	4459 TAFTANAZ	-	-	-
* 1893	38 KM E OF HERAT	-	-	-	*	4460 TAFTANAZ	-	-	-
* 1898	FERGALIS	-	-	-	*	4461 JABAL SAMAN ALJANEH	-	-	-
* 1899	SAYAD	-	-	-	*	4462 JABAL SAMAN ALJANEH	-	-	-
* 2119	TAREB	-	-	-	*	4463 JABAL SAMAN ALJANEH	-	-	-
* 2120	MARET AL NUMA	-	-	-	*	4464 JABAL SAMAN BACHKAWI	-	-	-
* 2121	FROM ILL 2120	-	-	-	*	4465 JABAL SAMAN BACHKAWI	-	-	-

Ind	ILL	Remarks	Lat	Long	Alt	Ind	ILL	Remarks	Lat	Long	Alt
*	4466	JABAL SAMAH'AN KAFARSAKEIR	-	-	-	*	4501	AZAZ-TEL JEBEAN	-	-	-
*	4467	JABAL SAMAH'AN KAFARSAKEIR	-	-	-	*	4502	KAFARZINH	-	-	-
*	4468	AZAZ KAFARKASHER	-	-	-	*	4503	KAFARZINH	-	-	-
*	4469	AZAZ KAFARKASHER	-	-	-	*	4504	MOUTCK	-	-	-
*	4470	AZAZ KAFARKASHER	-	-	-	*	4505	MOUTCK	-	-	-
*	4471	MAARA DERELSHARKIA	-	-	-	*	4506	MOUTCK	-	-	-
*	4472	MAARA DERELSHARKIA	-	-	-	*	4507	AFRIN-MABTLY	-	-	-
*	4473	MAARA DERELSHARKIA	-	-	-	*	4508	AFRIN-MABTLY	-	-	-
*	4474	KAFARBATIKH	-	-	-	*	4509	AFRIN-MABTLY	-	-	-
*	4475	KAFARBATIKH	-	-	-	*	4510	BOULOS	-	-	-
*	4476	KAFARBATIKH	-	-	-	*	4511	BOULOS	-	-	-
*	4477	AZAZ HARBEL	-	-	-	*	4512	MOUSALHULA	-	-	-
*	4478	AZAZ HARBEL	-	-	-	*	4513	JORYASA	-	-	-
*	4479	AZAZ HARBEL	-	-	-	*	4514	JORYASA	-	-	-
*	4480	MAARA MAFLUL	-	-	-	*	4515	JORYASA	-	-	-
*	4481	MAARA ABONAKI	-	-	-	*	4516	MURHARDA-CHEIKHADID	-	-	-
*	4482	MAARA ABONAKI	-	-	-	*	4517	MURHARDA-CHEIKHADID	-	-	-
*	4483	AZAZ GETTON	-	-	-	*	4518	SOURANE	-	-	-
*	4484	AZAZ RAAL	-	-	-	*	4519	SOURANE	-	-	-
*	4485	AZAZ RAAL	-	-	-	*	4520	SOURANE	-	-	-
*	4486	AZAZ RAAL	-	-	-	*	4521	ALGHAB-KALAT ALMEDIK	-	-	-
*	4487	MAARA TEL DIBIS	-	-	-	*	4522	AZAZ-TEL JEBEAN	-	-	-
*	4488	MAARA TEL DIBIS	-	-	-	*	4523	ALGHAB-KALAT ALMEDIK	-	-	-
*	4489	MAARA TEL DIBIS	-	-	-	*	4524	AFRIN-SAARAJAK	-	-	-
*	4490	AZAZ KAFARSHOSH	-	-	-	*	4525	AFRIN-SAARAJAK	-	-	-
*	4491	AZAZ KAFERGHAN	-	-	-	*	4526	AFRIN-MEDANKY	-	-	-
*	4492	AZAZ KAFERGHAN	-	-	-	*	4527	BRIVE	-	-	-
*	4493	MAARA KAFROUMA	-	-	-	*	4528	KOURBEITAMO	-	-	-
*	4494	MAARA MAARATHERMA	-	-	-	*	4529	KARKOBFOKANI	-	-	-
*	4495	MAARA MAARATHERMA	-	-	-	*	4530	KAZELSAGER	-	-	-
*	4496	MAARA-MAARATHERMA	-	-	-	*	4531	ALKOHTLANIA	-	-	-
*	4497	AZAZ-TABTANE	-	-	-	*	4532	AL KETTA	-	-	-
*	4498	AZAZ-TABTANE	-	-	-	*	4533	AL KETTA	-	-	-
*	4499	AZAZ-TABTANE	-	-	-	*	4534	HELWAGANIA	-	-	-
*	4500	AZAZ-TEL JEBEAN	-	-	-	*	4535	HELWAGANIA	-	-	-

Ind ILL	Remarks	Lat	Long	Alt	Ind ILL	Remarks	Lat	Long	Alt
* 4536	HIMOHANADY	-	-	-	* 4724	EL BURGO	-	-	-
* 4537	HIMOHANADY	-	-	-	* 4725	CUEVAS DE ST. MARCOS	-	-	-
* 4538	HIMOHANADY	-	-	-	* 4726	VENTAS DEL CARRIZAL	-	-	-
* 4539	MA'ASHOK	-	-	-	* 4727	ESTACION DE SALINAS	-	-	-
* 4540	MA'ASHOK	-	-	-	* 4728	RIO FRIO	-	-	-
* 4541	GERBETADNAN	-	-	-	* 4729	LOJA	-	-	-
* 4542	MA'MSHOOK	-	-	-	* 4730	BENAMEJI	-	-	-
* 4543	AL KAYSARIA	-	-	-	* 4741	STORED SAMPLE	1415N	4444E	2000H
* 4544	AL GESSER	-	-	-	* 4742	STORED SAMPLE	1414N	4443E	2500H
* 4545	NABISADI	-	-	-	* 4743	STORED SAMPLE	1406N	4440E	2630H
* 4546	NABISADI	-	-	-	* 4744	STORED SAMPLE	1418N	4450E	2040H
* 4547	DERZIWAR	-	-	-	* 4745	STORED SAMPLE	1415N	4447E	2560H
* 4548	DERZIWAR	-	-	-	* 4746	STORED SAMPLE	1414N	4446E	2530H
* 4549	DERZIWAR	-	-	-	* 4747	STORED SAMPLE	1410N	4446E	2500H
* 4551	LA LIGUA ACONCAGUA	-	-	-	* 4748	STORED SAMPLE	1411N	4447E	2700H
* 4555	MULCHEN BIO-BIO	-	-	-	* 4749	MARKET SAMPLE	-	-	-
* 4556	MATANZAS SANTIAGO	-	-	-	* 4750	STORED SAMPLE	1332N	4400E	2300H
* 4557	ZAPALLAR ACONCAGUA	-	-	-	* 4751	MARKET SAMPLE	1400N	4400E	-
* 4558	LONGOTONH ACONCAGUA	-	-	-	* 4752	STORED SAMPLE	1406N	4406E	2500H
* 4563	SAN JUAN NAVIDAD	-	-	-	* 4753	STORED SAMPLE	1406N	4409E	1700H
* 4564	NAVIDAD SANTIAGO	-	-	-	* 4754	STORED SAMPLE	1415N	4415E	2150H
* 4565	CHILEAN	-	-	-	* 4755	STORED SAMPLE	1417N	4428E	2200H
* 4586	QUINTERO VALPARAISO	-	-	-	* 4756	STORED SAMPLE	1417N	4428E	2200H
* 4591	PUPUYA TALCA	-	-	-	* 4757	MARKET SAMPLE	1418N	4423E	-
* 4592	PALQUIBUDIS CURICO	-	-	-	* 4758	STORED SAMPLE	1417N	4425E	2350H
* 4602	SANTA FE	-	-	-	* 4759	THRESHING FLOOR	1425N	4427E	2200H
* 4610	FAR WESTERN REGION	2841N	8139E	2140M	* 4760	STORED SAMPLE	1430N	4424E	2350H
* 4611	FAR WESTERN REGION	2850N	8143E	1410M	* 4761	THRESHING FLOOR	1438N	4419E	2200H
* 4716	VENTAS DE HUELMA	-	-	-	* 4762	MARKET SAMPLE	1440N	4409E	2000H
* 4717	PADUL	-	-	-	* 4763	MARKET SAMPLE	1400N	4400E	2000H
* 4718	LAMALA	-	-	-	* 4764	STORED SAMPLE	1527N	4408E	2400H
* 4720	ALHAMA DE GRANATA	-	-	-	* 4765	STORED SAMPLE	1527N	4408E	2400H
* 4721	AGUILAR DE LE FRONTERA	-	-	-	* 4766	STORED SAMPLE	1524N	4407E	2400H
* 4722	CUEVAS BAJOS	-	-	-	* 4767	STORED SAMPLE	1510N	4400E	2800H
* 4723	VILLANUEVA DEL TRABUCO	-	-	-	* 4768	STORED SAMPLE	1510N	4400E	2800H

Ind ILL	Remarks	Lat	Long	Alt	Ind ILL	Remarks	Lat	Long	Alt
* 4769	STORED SAMPLE	1520N	4429E	2200M	* 4843	LUDRO	-	-	-
* 4770	STORED SAMPLE	1528N	4425E	2200M	* 4844	BEIKOZANI	-	-	-
* 4771	THRESHING FLOOR	1459N	4415E	2400M	* 4845	TSEPOLOWON	-	-	-
* 4772	MARKET SAMPLE	1500N	4400E	-	* 4846	SHAHNELI	-	-	-
* 4773	KONOKEA NEAR GITHION	-	-	-	* 4847	LAISTA	-	-	-
* 4786	PISAREKA PERLA	-	-	-	* 4848	NEA SELEFKIA	-	-	-
* 4788	SOUK EL TLETA	-	-	-	* 4849	PARANITHIA	-	-	-
* 4789	HELLE DELIKATESS	-	-	-	* 4850	BISSIA PELOPONNES	-	-	-
* 4792	PHENJANSZKAJA	-	-	-	* 4851	PYRGOS	-	-	-
* 4793	BJELOPERKOVSKAJA	-	-	-	* 4852	AEROPOLIS	-	-	-
* 4794	COKA PISARECKA	-	-	-	* 4853	LIMBERDO	-	-	-
* 4796	GROSSA	-	-	-	* 4854	BEI HAVIOWUMAN	-	-	-
* 4800	SOUK EL JENAA SAHIM	-	-	-	* 4855	POLOWITSA	-	-	-
* 4801	MORAVSKA DROBNORUNA	-	-	-	* 4856	ROSAWA	-	-	-
* 4802	RALIEROVA	-	-	-	* 4857	KARIUPOLIS	-	-	-
* 4805	SCHWARZE LINSE	-	-	-	* 4858	KARIUPOLIS	-	-	-
* 4810	FROLOSCH	-	-	-	* 4859	45 KM FROM KARAJ TAL	-	-	-
* 4811	SWINLENGRAD	-	-	-	* 4860	MISTRAS	-	-	-
* 4812	MOSONKALNOKI TAJFAJTA	-	-	-	* 4861	ANALIPSIS	-	-	-
* 4813	JENYTSA	-	-	-	* 4862	ANALIPSIS	-	-	-
* 4816	MESTNAIA 29	-	-	-	* 4863	LALA	-	-	-
* 4817	NOVOURENSKAJA	-	-	-	* 4864	MAGIRA	-	-	-
* 4818	OZIMA RUŠOVA	-	-	-	* 4865	MOSJA	-	-	-
* 4819	PERUANSKA COCKA	-	-	-	* 4866	HITAPETRA	-	-	-
* 4820	SURABADSKAJA	-	-	-	* 4867	MUTASI	-	-	-
* 4822	VALTICKA HALICVROVA	-	-	-	* 4868	AMOCUZOS	-	-	-
* 4823	RUSKA TALIROVA	-	-	-	* 4869	AMOCUZOS	-	-	-
* 4824	SOK-EJ-JENAM SABIN	-	-	-	* 4870	KYFT HAUZER TILLEDA	-	-	-
* 4825	SARATOVSKAJA	-	-	-	* 4871	E. VOORI SCHLUSSELBURGWESOV	-	-	-
* 4833	PETROVSKAJA ZELENNEZERKAJA	-	-	-	* 4872	O. VOLK	-	-	-
* 4834	LENKA	-	-	-	* 4873	INST. FUTTSBAN	-	-	-
* 4835	PENZENSKAJA	-	-	-	* 4874	SORTENANT HALLE	-	-	-
* 4840	VOSKOPOJE ALBANTIEN	-	-	-	* 4876	INST. F. KULTURPTI FORSCH	-	-	-
* 4841	VOSKOPOJE ALBANTIEN	-	-	-	* 4877	INST. F. KULTURPTI FORSCH	-	-	-
* 4842	BEI RADOTOP	-	-	-	* 4878	INST. F. KULTURPTI FORSCH	-	-	-

Ind ILL	Remarks	Lat	Long	Alt	Ind ILL	Remarks	Lat	Long	Alt
* 4879	SORTENANT HALLE	-	-	-	*	4978 CUEVAS DEL BECERRO	-	-	-
* 4880	KAR. VIR. 1733	-	-	-	*	4979 SANTA CRAZ DE LA ZARZA	-	-	-
* 4881	SORTENANT HALLE	-	-	-	*	4980 CARTAJINA	-	-	-
* 4882	INST. KULTUR. FORSCH	-	-	-	*	4981 CANETE LA REAL	-	-	-
* 4883	45H. IM KARAJ-TAL	-	-	-	*	4982 ALMAGRO	-	-	-
* 4885	O. VOLK	-	-	-	*	4983 VALENCIA DE D. JUAN	-	-	-
* 4886	SHAHN KORD	-	-	-	*	4984 CELADILLA DEL RIO	-	-	-
* 4887	SHAHN KORD	-	-	-	*	4985 VILLANUBLA	-	-	-
* 4888	123 KM FROM ESFAHAN TO ARAK	-	-	-	*	4986 VALLECILLO	-	-	-
* 4889	123 KM FROM ESFAHAN TO ARAK	-	-	-	*	4987 SAHAGUN	-	-	-
* 4890	INST. KULTUR FORSCH	-	-	-	*	4988 VILLANUBLA	-	-	-
* 4891	INST. TROP U. SUBTROP.	-	-	-	*	4989 GRAGAL	-	-	-
* 4892	123 KM FROM ESFAHAN TO ARAK	-	-	-	*	4990 BECILLA DE VALDETADUEZ	-	-	-
* 4893	INST. BAN SOFIA	-	-	-	*	4991 MALLANA DE VALMADRIGA	-	-	-
* 4895	HANSHALT	-	-	-	*	4992 ALBIRES	-	-	-
* 4896	KAT VIR. 1 444 DAGHESTAN	-	-	-	*	4993 COMERCIO BU.	-	-	-
* 4897	INST. KULTUR FORSCH	-	-	-	*	4994 COMERCIO BU.	-	-	-
* 4898	INST. KULTUR FORSCH	-	-	-	*	4995 CORRAL DE ALMAGUR	-	-	-
* 4900	BANGAR. NORD JUDIEN	-	-	-	*	4996 RAZA	-	-	-
* 4916	ST. SIMEON	-	-	-	*	4997 LA CARTOLA	-	-	-
* 4917	ST. SIMEON	-	-	-	*	4999 VILLADA	-	-	-
* 4918	8 KM E BARDON 36 KM NE SALAMIEH	-	-	-	*	5001 CASTRO DEL RIO	-	-	-
* 4919	29 KM N ALEPPO 5 KM N MUSLINIEH	-	-	-	*	5002 BAENA	-	-	-
* 4966	GUADIX	-	-	-	*	5003 MARALEJA DEL VINO	-	-	-
* 4967	ALCAUDETE	-	-	-	*	5004 QUINTANAS DE LA ORDEN	-	-	-
* 4968	OSUNA	-	-	-	*	5005 POLA DE CORDON	-	-	-
* 4969	LOJA	-	-	-	*	5006 SILDANA	-	-	-
* 4970	VILLANUEVA DET TRABUCO	-	-	-	*	5007 DORNO	-	-	-
* 4971	GABIA LA GRANDE	-	-	-	*	5008 HIGUERUELA	-	-	-
* 4972	CUESTA LA PALMA	-	-	-	*	5010 LA PUEBLA	-	-	-
* 4973	GUEJAR SIERRA	-	-	-	*	5011 NOVA DEL RIO	-	-	-
* 4974	ARCHIDONA	-	-	-	*	5012 VILLALON	-	-	-
* 4975	ALPANDEIRE	-	-	-	*	5013 FUENTESAUICO	-	-	-
* 4976	VTA. DE LA CONCEPTION	-	-	-	*	5014 TORO	-	-	-
* 4977	EL VALLE DE ABDALJIS	-	-	-	*	5015 YELAMAR DE ARRIBA	-	-	-

Ind ILL	Remarks	Lat	Long	Alt	Ind ILL	Remarks	Lat	Long	Alt
* 5016	CARRASCASA DE CAMPO	-	-	-	*	5059 13KM AFTERMAFRAQ TO JARASH	3218N	3610E	700M
* 5017	FUENTE DE PEDRO NAHARRO	-	-	-	*	5060 17KM S OF RIHAB AT BALAMA	3210N	3610E	700M
* 5018	VILLA CARRILLO	-	-	-	*	5061 19KM S OF JARASH	3210N	3552E	500M
* 5019	JADRAQUIN	-	-	-	*	5062 IUNERA 29KM NE OF RAMTHA	3241N	3555E	460M
* 5021	LA ROBLA	-	-	-	*	5063 GERHUK 14KM N IRBID ROAD JUNCTION	3242N	3552E	450M
* 5022	PASTRANA	-	-	-	*	5064 6KM W SAHAM IRBID	3240N	3545E	500M
* 5023	VILLAREJO	-	-	-	*	5065 DEIR ABU SAID 16KM W IRBID	3235N	3542E	300M
* 5024	CARACCHILLA	-	-	-	*	5066 8KM SUWEILEH TO SALT	3203N	3547E	1000M
* 5025	CARASCOSA DE CAMPO	-	-	-	*	5067 7KM NA'UR MADARA	3190N	3552E	752M
* 5026	MOLILLA DEL PALANCAR	-	-	-	*	5068 DHIBAN	3130N	3546E	790M
* 5027	CRUZ DE LA LEGUA	-	-	-	*	5069 20KM S AMHAN TO AQABA	3137N	3602E	800M
* 5028	DEHESILLA	-	-	-	*	5070 3KM DILAGHA PETRA	3009N	3526E	1600M
* 5032	INIESTA	-	-	-	*	5416 -	-	-	1450M
* 5033	LEDENA	-	-	-	*	5417 -	-	-	1450M
* 5034	HOYA	-	-	-	*	5418 -	-	-	1450M
* 5035	MOTILLA	-	-	-					
* 5036	LIETO	-	-	-					
* 5037	LA HERRERIA	-	-	-					
* 5038	POZOFONDO	-	-	-					
* 5040	LA HERRERA	-	-	-					
* 5041	BALAZOTE	-	-	-					
* 5042	CASAS IRANEZ	-	-	-					
* 5043	TARAZONA	-	-	-					
* 5044	MADRIGUERA	-	-	-					
* 5045	LA RODA	-	-	-					
* 5046	CASAS DE ARO	-	-	-					
* 5047	LA RODA	-	-	-					
* 5048	VILLARLEDO	-	-	-					
* 5050	FERNANDO ALONSO	-	-	-					
* 5053	VILLAMAYOR DE SANTIAGO	-	-	-					
* 5054	VILLAMAYOR DE SANTIAGO	-	-	-					
* 5055	YELAMON	-	-	-					
* 5056	VILLANUEVA DE ARGEICILLA	-	-	-					
* 5057	MOLINA DE ARAGON	-	-	-					
* 5058	RILLO DE GALLO	-	-	-					

EVALUATION DATA

Abbreviations used in listing the evaluation data.

ILL	International Legume Lentil accession number
TiFl	Time to flowering (d)
TiMa	Time to maturity (d)
Hgt	Plant height (cm)
LPH	Lowest pod height (cm)
BiYd	Biological yield (kg/ha)
SdYd	Seed Yield (kg/ha)
StYd	Straw yield (kg/ha).
HI	Harvest index
100SW	100-seed weight (g)
Sd/Pd	Number of seeds per pod
Yr	Year of evaluation for the above descriptors
TestaCol	Ground colour of the testa
Pattern	Pattern of the testa
Pattern col	Colour of the pattern on the testa
CotCol	Colour of the cotyledon
Pro %	Protein content (% of dry seed weight)
CS	Cold susceptibility
OS79	Susceptibility to <u>O. crenata</u> in 1979
OS80	Susceptibility to <u>O. crenata</u> in 1980
OS81	Susceptibility to <u>O. crenata</u> in 1981

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
1	125	165	32	15	6435	2310	4125	0.36	4.65	1.40	79	GN.PI	AB	AB	YE	23.5	5	-	-	9
2	120	165	28	14	5170	2105	3065	0.41	3.35	1.66	79	GN.BN	AB.SP	AB.BK	RD	25.3	5	-	-	7
3	125	160	26	12	4635	1680	2955	0.36	3.18	1.33	79	PI	AB	AB	RD	25.5	7	-	-	5
4	120	165	28	12	5045	1860	3185	0.37	4.66	1.00	79	GN.PI	AB	AB	YE	23.6	7	-	-	9
5	-	-	-	-	-	-	-	-	-	-	-	BN	AB.SP	AB.BK	RD	25.8	3	-	-	-
6	120	165	30	18	6105	2205	3900	0.36	4.75	1.03	79	GN.PI	AB	AB	YE	23.3	5	-	-	9
7	120	160	31	18	6760	2285	4475	0.34	4.65	1.11	79	GN.PI	AB	AB	YE	24.1	7	-	-	9
8	120	160	30	13	6125	2205	3920	0.36	5.00	1.10	79	GN.PI	AB	AB	YE	24.4	5	-	-	5
9	120	157	31	17	5420	1955	3465	0.36	5.15	1.17	79	GN.PI	AB	AB	YE	23.5	7	-	-	9
10	120	157	28	16	5225	1860	3365	0.36	5.21	1.10	79	GN.PI	AB	AB	YE	24.4	7	-	-	7
11	133	-	-	-	8215	1165	7050	0.14	3.67	1.37	80	BN	AB.SP	AB.BK	RD	26.1	3	7	-	-
12	133	-	35	20	5918	2520	3398	0.43	4.75	1.12	80	GN	AB	AB	YE	23.9	7	-	-	9
13	133	-	-	-	6998	2690	4308	0.38	3.81	1.09	80	PI.BN	SP	BK	RD	25.6	5	-	-	7
14	133	-	-	-	7860	2808	5052	0.36	3.52	1.67	80	PI	AB	AB	RD	25.6	5	-	-	9
15	133	-	-	-	7050	2940	4110	0.42	4.88	1.10	80	GN	AB	AB	YE	24.5	7	-	-	5
16	133	-	-	-	6495	2273	4222	0.35	4.15	1.13	80	GN.PI	AB	AB	YE	23.2	7	-	-	9
17	133	-	-	-	7675	2983	4692	0.39	3.26	1.63	80	PI	AB.SP	AB.BK	RD	25.5	5	-	-	5
18	135	-	-	-	5933	2150	3783	0.36	3.86	1.63	80	PI	AB.SP	AB.BK	RD	25.7	3	-	-	5
19	133	-	-	-	7165	2655	4510	0.37	4.93	1.10	80	GN	AB	AB	YE	23.9	3	-	-	5
20	120	160	32	16	5725	2950	2775	0.52	4.94	1.10	79	GN.PI	AB	AB	YE	24.6	5	-	-	9
21	120	160	31	15	5515	2215	3300	0.40	4.88	1.07	79	GN.PI	AB	AB	YE	24.5	5	-	-	7
22	120	160	31	16	6175	2165	4010	0.35	4.81	1.17	79	GN.PI	AB	AB	YE	-	5	-	-	5
23	120	160	29	15	5585	2160	3425	0.39	4.95	1.13	79	GN.PI	AB	AB	YE	23.2	5	-	-	5
24	120	160	28	16	6445	2175	4270	0.34	3.34	1.47	79	PI.BN	SP.MA	BK	RD	26.2	5	7	-	-
25	135	-	-	-	7313	2413	4900	0.33	4.13	1.37	80	GN.PI	AB	AB	YE	-	5	5	-	-
26	133	-	-	-	4440	1840	2600	0.41	6.98	1.00	80	GN.PI	AB	AB	YE	25.6	3	-	-	5
27	147	-	-	-	6545	2010	4535	0.31	3.90	1.40	80	GN.PI	AB	AB	YE	28.6	3	-	-	-
28	133	-	-	-	3760	2083	1677	0.55	6.35	1.07	80	GN.PI	AB.SP	AB.BK	YE	24.7	3	-	-	-
29	133	-	-	-	6205	2325	3880	0.37	3.72	1.42	80	BN	AB.DO	AB.GY	RD	25.4	3	-	-	9
30	133	-	-	-	4558	1800	2758	0.39	7.33	1.07	80	GN.PI	AB	AB	YE	25.4	3	-	-	9
31	130	165	29	18	5365	1765	3600	0.33	3.30	1.77	79	BN	DO.SP	GY	RD	26.4	5	-	-	5
32	135	-	-	-	7090	2535	4555	0.36	3.62	1.73	80	BN	DO	GY	RD	25.1	5	7	-	-
33	125	165	30	17	4170	1085	3085	0.26	7.41	1.00	79	GN.PI	AB	AB	YE	25.9	3	-	-	7
34	133	-	-	-	7060	2555	4505	0.36	3.32	1.03	80	BN	DO.SP	GY	RD	25.3	5	5	-	-
35	133	-	-	-	7935	2855	5080	0.36	3.17	1.70	80	PI.BN	AB.DO	AB.GY	RD	25.8	5	5	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	ColCol	ProZ	CS	0579	0580	0581
36	125	164	36	20	6100	2105	3995	0.35	6.82	1.01	79	PI	AB	AB	YE	24.5	3	-	-	7
37	125	164	38	19	6400	1210	5190	0.19	7.01	1.00	79	PI	AB	AB	YE	25.5	5	-	-	-
38	125	160	30	15	5685	1750	3935	0.31	3.09	1.27	79	BN	DO	GY	RD	25.2	5	-	-	7
39	125	166	35	19	6380	1790	4590	0.28	6.53	1.07	79	GN.PI	AB	AB	YE	24.9	3	-	-	-
40	125	160	29	17	6000	2395	3605	0.40	3.70	1.77	79	BN	DO	GY	RD	24.0	5	-	-	5
41	125	168	34	20	5895	1645	4250	0.28	7.56	1.00	79	PI	AB.SP	AB.BK	YE	25.9	5	-	-	-
42	130	166	34	18	7085	1225	5860	0.17	3.58	1.70	79	BN	MA	BN.BK	RD	24.9	5	-	-	3
43	133	-	-	-	5815	2195	3620	0.38	6.60	1.07	80	GN.PI	AB	AB	YE	25.2	3	-	-	-
44	141	-	-	-	7018	2853	4165	0.41	3.58	1.73	80	BN	MA	BN.BK	RD	24.6	3	-	-	3
45	130	172	32	15	5035	-	-	-	7.20	1.00	79	GN.PI	AB	AB	YE	26.3	3	-	-	7
46	133	-	-	-	6080	1925	4155	0.32	6.69	1.13	80	GN.PI	AB	AB	YE	26.8	3	-	-	7
47	141	-	-	-	7070	1980	5090	0.28	3.77	1.03	80	BN	MA	BK	RD	-	3	5	-	-
48	138	-	-	-	5870	1950	3920	0.33	3.81	1.30	80	BN	MA	BK	RD	25.9	3	7	-	-
49	135	166	31	16	5300	1515	3785	0.29	3.31	1.00	79	BN	DO.SP	GY.BK	RD	25.1	5	-	-	7
50	125	166	32	20	5455	1875	3580	0.34	6.37	1.17	79	GN.PI	AB	AB	YE	24.3	5	-	-	-
51	125	166	32	20	6265	1825	4440	0.29	3.63	1.83	79	BN	MA	BK	RD	24.6	3	-	-	5
52	130	166	34	19	6735	2150	4585	0.32	3.19	1.67	79	BN	MA	BK	RD	24.5	3	-	-	5
53	130	166	33	19	6030	1000	5030	0.17	3.87	1.70	79	BN	MA	BK	RD	24.2	3	-	-	7
54	120	166	35	19	5715	1905	3810	0.33	3.19	1.70	79	BN	MA	BK	RD	23.3	7	-	-	7
55	130	166	34	20	6965	1713	5252	0.25	3.37	-	80	BN	DO.SP	OL.GY	RD	-	5	-	-	5
56	130	166	29	20	4690	1085	3605	0.23	3.27	1.43	79	BN	DO.MA	GY.BK	RD	25.5	5	-	-	5
57	130	166	30	19	5415	1225	4190	0.23	3.08	1.46	79	BN	DO.SP	OL.BN	RD	24.5	5	-	-	-
58	135	166	29	15	3730	650	3080	0.17	2.84	1.17	79	BN	DO.SP	OL.BN	RD	27.2	5	-	-	5
59	125	166	29	13	3260	1455	1805	0.45	3.84	1.60	79	GN.PI	AB	AB	YE	24.4	5	5	-	-
60	138	166	28	16	3840	685	3155	0.18	2.84	1.43	79	BN	DO.SP	OL.BN	RD	27.4	5	-	-	3
61	125	166	30	18	4665	1100	3565	0.24	6.33	1.03	79	GN.PI	AB	AB	YE	23.3	3	-	-	9
62	135	-	-	-	8355	2858	5497	0.34	2.35	1.45	80	BN	DO.SP	BK	RD	24.4	5	-	-	3
63	145	-	-	-	4933	1328	3605	0.27	3.92	1.41	80	GY	AB	AB	YE	25.9	5	-	-	3
64	145	-	-	-	7340	2243	5097	0.31	4.11	1.63	80	GN.PI	AB	AB	YE	25.6	5	-	-	5
65	145	-	-	-	7113	1918	5195	0.27	4.03	1.33	80	GN.PI	AB	AB	YE	25.0	7	-	-	5
66	141	-	-	-	6600	2200	4400	0.33	4.84	1.23	80	GN.PI	AB	AB	YE	24.6	3	9	-	-
67	145	-	-	-	6825	2118	4707	0.31	4.16	1.27	80	GN.PI	AB	AB	YE	25.1	5	-	-	3
68	138	-	-	-	5583	1715	3868	0.31	3.34	1.21	80	GN.PI	AB	AB	YE	25.7	7	-	-	3
69	135	-	-	-	5093	1270	3823	0.25	4.04	1.04	80	BN.GY	AB.DO	AB.OL	RD.YE	25.7	5	-	-	3
70	145	-	-	-	4840	1183	3657	0.24	4.08	1.00	80	GN.PI	AB	AB	YE	24.3	5	-	-	3

ILL	TiF1	TiMa	Hdt	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
71	149	-	-	-	6320	1710	4610	0.27	3.74	1.54	80	GN.PI	AB	AB	YE	27.5	7	-	-	5
72	130	166	32	16	3755	515	3240	0.14	3.73	1.33	79	PI	AB	AB	YE	23.9	7	-	-	5
73	130	166	29	18	4240	805	3435	0.19	4.14	1.27	79	GN.PI	AB	AB	YE	-	7	-	-	5
74	138	172	25	15	3335	465	2870	0.14	2.66	1.60	79	GN.PI	AB	AB	RD.YE	27.6	7	-	-	3
75	140	172	26	14	2560	250	2310	0.10	2.35	1.70	79	BN.GY	AB	AB	RD.YE	25.8	7	-	-	-
76	135	172	30	17	5985	1245	4740	0.21	4.90	1.33	79	GN.PI	AB	AB	YE	24.5	5	-	-	7
77	143	172	26	18	4135	565	3570	0.14	2.20	1.70	79	BN.GY	AB	AB	RD.YE	27.8	7	-	-	3
78	143	172	26	17	3260	285	2975	0.09	2.65	1.37	79	BN.GY	AB	AB	RD.YE	26.3	7	-	-	3
79	145	-	-	-	6240	1555	4685	0.25	5.04	1.07	80	GN.PI	AB	AB	YE	27.2	5	-	-	5
80	145	-	-	-	4268	1613	2655	0.38	5.87	1.00	80	GN.PI	AB	AB	YE	28.2	3	-	-	7
81	138	-	-	-	3155	1403	1752	0.44	5.19	1.00	80	GN.PI	AB	AB	YE	26.3	5	-	-	9
82	154	-	-	-	6200	1300	4900	0.21	2.66	1.27	80	GN.PI	AB	AB	YE	28.0	5	-	-	-
83	149	-	-	-	5908	1788	4120	0.30	2.45	1.70	80	PI.BN	AB	AB	YE	25.1	5	-	-	3
84	149	-	-	-	5260	1435	3825	0.27	2.20	1.80	80	PI	DO	BN	RD	26.2	7	9	-	-
85	135	168	31	17	1620	320	1300	0.20	2.08	1.60	79	PI	DO	BN	RD	27.1	7	-	-	3
86	128	175	24	14	3013	553	2460	0.18	2.13	-	82	GN.PI	AB	AB	RD.YE	-	7	-	-	-
87	145	-	-	-	3045	1000	2045	0.33	4.87	1.13	80	GN.PI	AB	AB	YE	26.9	5	-	-	5
88	-	-	-	-	-	-	-	-	-	-	-	GN.PI	AB	AB	YE	-	5	-	-	-
89	145	-	-	-	4183	1035	3148	0.25	4.33	1.32	80	PI.GY	AB.SP	AB.BK	YE	27.0	7	-	-	-
90	149	-	-	-	6773	1670	5103	0.25	2.34	1.30	80	BK	AB	AB	YE	28.7	7	9	-	-
91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
92	140	172	43	27	3885	470	3415	0.12	1.87	1.62	79	GN.PI	AB.NA	AB.OL	YE	25.9	7	-	-	3
93	141	-	-	-	4523	1258	3265	0.28	5.11	1.00	80	PI	AB	AB	YE	-	7	-	-	-
94	-	-	-	-	-	-	-	-	-	-	-	GN.PI	AB	AB	YE.GN	-	7	-	-	-
95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
96	140	168	27	20	3115	630	2485	0.20	2.57	1.60	79	GN	CO	OL.BK	YE	26.9	7	-	-	5
97	130	165	27	19	5160	1365	3795	0.26	4.01	1.33	79	GN.PI	AB	AB	YE	24.5	7	-	-	7
98	125	157	34	20	5080	1850	3230	0.36	2.64	1.43	79	BN	SP	BK	RD	25.1	7	-	-	7
99	120	157	32	16	5375	1855	3520	0.35	3.23	1.67	79	PI	SP	BK	RD	23.4	7	-	-	5
100	141	-	-	-	3508	1508	2000	0.43	4.69	1.17	80	PI	DO	OL	RD.YE	26.1	3	-	-	-
101	130	166	34	21	5620	1350	4270	0.24	4.53	1.00	79	GN.PI	AB	AB	YE	24.9	5	-	-	3
102	138	166	32	21	5920	1650	4270	0.28	2.81	1.33	79	GN.PI	AB	AB	YE	-	3	-	-	-
103	130	172	36	18	5880	-	-	-	4.81	1.17	79	GN.PI	AB	AB	YE	-	5	-	-	7
104	138	172	33	20	4930	1400	3530	0.28	3.56	1.43	79	GN.PI	AB	AB	YE	26.0	5	-	-	5
105	130	179	33	24	3940	700	3240	0.18	4.81	1.13	79	GN.PI	AB	AB	YE	26.7	7	-	-	5

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	C5	0579	0580	0581
106	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
107	135	168	30	20	4780	1345	3435	0.28	3.04	1.60	79	BN	DO.SP	GY.BK	RD	27.8	5	-	-	-
108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
112	135	-	-	-	7438	2413	5025	0.32	3.33	1.67	80	BN	SP	BK	RD	25.6	7	5	-	-
113	-	-	-	-	-	-	-	-	-	-	-	GN.PI	AB	AB	YE	25.9	7	-	7	-
114	147	-	-	-	4403	1295	3108	0.29	2.87	1.60	80	GN.PI	AB	AB	YE	26.8	7	7	-	-
115	154	-	-	-	6680	1495	5185	0.22	2.49	1.33	80	BN	AB.MA	AB.BN	YE	25.4	7	5	-	-
116	-	-	-	-	-	-	-	-	-	-	-	GN.PI	AB	AB	YE	-	-	-	-	-
117	145	-	-	-	7858	2120	5738	0.27	4.33	1.37	80	GN.PI	AB	AB	YE	25.4	5	-	5	-
118	133	-	-	-	4255	1735	2520	0.41	5.34	1.10	80	GN.PI	AB	AB	YE	23.4	5	-	7	-
119	141	-	-	-	6775	2480	4295	0.37	3.75	1.77	80	GN.PI	AB	AB	YE	25.6	3	5	-	-
120	135	168	34	20	4345	1330	3015	0.31	2.40	1.66	79	BN.GY	AB	AB	RD	27.5	7	-	-	-
121	135	172	33	19	5310	1200	4110	0.23	2.45	1.60	79	BN.GY	AB	AB	RD	29.6	7	-	-	-
122	130	172	30	17	5110	1005	4105	0.20	2.80	1.57	79	PI.BN	DO.SP	BN	RD	27.5	7	-	-	-
123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
124	135	172	31	20	5150	1145	4005	0.22	2.30	1.33	79	BN	AB	AB.OL	RD	29.8	7	-	-	-
125	-	-	-	-	-	-	-	-	-	-	-	GN.PI	AB	AB	YE	28.0	-	-	-	-
126	151	-	-	-	7083	1603	5480	0.23	2.92	1.60	80	BN	DO.SP	GY	RD	-	7	-	5	-
127	140	179	30	21	5305	1185	4120	0.22	2.39	1.80	80	BN	DO.SP	GY	RD	28.4	7	-	3	-
128	147	-	-	-	4613	1183	3430	0.26	2.89	1.66	80	BN	DO.SP	GY	RD	-	7	-	3	-
129	140	172	29	15	4295	1225	3070	0.29	2.42	1.70	79	BN	DO.SP	GY	RD	28.6	7	-	-	-
130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
131	154	-	-	-	6308	1448	4860	0.23	2.97	1.47	80	BN	AB	AB	RD	28.9	7	-	3	-
132	126	-	-	-	5178	1618	3560	0.31	2.81	1.80	80	PI.BK	AB.MA	AB.BK	RD	-	7	-	-	-
133	145	-	-	-	4848	1020	3828	0.21	4.80	1.10	80	GN.PI	AB	AB	YE	-	3	-	7	-
134	149	-	-	-	5885	930	4955	0.16	3.95	1.50	-	GN.PI	AB	AB	YE	28.3	5	7	-	-
135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
136	136	-	-	-	6113	928	5185	0.15	4.06	1.30	80	GN.PI	AB	AB	YE	26.2	7	9	-	-
137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
140	154	-	-	-	6485	1115	5370	0.17	2.36	1.67	80	GN.PI	AB	AB	RD.YE	25.7	7	7	-	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
141	154	-	-	-	6250	1123	5127	0.18	2.43	1.70	80	BN	AB,DO	AB,BN	RD,YE	30.2	7	7	-	-
142	128	159	26	15	1247	423	824	0.34	3.55	1.63	82	BN	DO,SP	BK	RD	-	-	-	-	-
143	154	-	-	-	6490	1038	5452	0.16	3.31	1.80	80	GN.PI	AB	AB	YE	28.1	5	5	-	-
144	151	-	-	-	4173	1078	3095	0.26	4.73	1.40	80	GN.PI	AB	AB	YE	-	3	5	-	-
145	-	-	-	-	-	-	-	-	-	-	-	BN	AB	AB	YE	-	-	-	-	-
146	154	-	-	-	7248	1605	5643	0.22	2.94	1.23	80	BN	AB	AB	RD,YE	27.3	7	5	-	-
147	135	-	-	-	6708	1310	5398	0.20	2.84	1.66	80	PI	AB	AB	RD	-	5	9	-	-
148	154	-	-	-	7408	1565	5843	0.21	4.14	1.53	80	GN.PI	AB	AB	YE	26.1	5	9	-	-
149	-	-	-	-	-	-	-	-	-	-	-	GN.PI	AB,SP	OL	YE	25.4	-	-	-	-
150	151	-	-	-	6083	1243	4840	0.20	2.89	1.20	80	BN	AB	AB	RD,YE	-	7	7	-	-
151	135	172	35	21	5580	1175	4405	0.21	3.26	1.70	79	GN.PI	AB	AB	RD,YE	26.1	7	-	-	-
152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
153	138	172	32	20	5225	1225	4000	0.23	3.47	1.83	79	GN.PI	AB	AB	YE	26.0	7	-	3	-
154	145	172	32	20	4960	1265	3695	0.26	3.35	1.50	79	GN.PI	AB	AB	YE	26.0	7	-	3	-
155	120	168	32	10	5103	1643	3460	0.32	3.67	1.67	80	PI,BN	DO	OL	RD	22.3	7	-	3	-
156	138	168	28	20	3275	830	2445	0.25	2.41	1.52	79	BN	SP,MA	GY,BN	RD,YE	28.3	7	-	3	-
157	141	-	-	-	7610	2450	5160	0.32	4.21	1.17	80	GN.PI	AB	AB	YE	22.9	5	5	-	-
158	154	-	-	-	6383	1228	5155	0.19	3.42	1.34	80	PI	AB	AB	RD,YE	-	7	7	-	-
159	154	-	-	-	7075	1213	5862	0.17	3.19	1.64	80	PI	AB	AB	RD	26.9	7	-	-	-
160	154	-	-	-	6593	1543	5050	0.23	3.17	1.73	80	GN.PI	AB	AB	YE	-	3	9	-	-
161	147	-	-	-	3820	1045	2775	0.27	4.98	1.23	80	GN.PI	AB	AB	YE	26.2	5	-	9	-
162	154	-	-	-	7120	1588	5532	0.22	2.77	1.30	80	GN.PI	AB,SP	AB,OL	RD,YE	25.6	7	5	-	-
163	158	-	-	-	6793	1225	5568	0.18	2.27	1.07	80	GY	AB,SP	AB,GY	YE	25.6	7	7	-	-
164	158	-	-	-	6073	1025	5048	0.17	3.52	1.70	80	GN.PI	AB	AB	YE	26.2	5	9	-	-
165	158	-	-	-	6488	918	5570	0.14	2.93	1.23	80	GN.PI	SP,MA	OL,BN	YE	26.4	5	5	-	-
166	-	-	-	-	-	-	-	-	2.20	-	-	BN	SP	BK	RD	-	7	-	-	-
167	130	168	32	20	6025	1635	4390	0.27	4.98	1.21	79	PI	AB	AB	YE	26.1	7	-	7	-
168	130	168	34	21	5010	1415	3595	0.28	2.91	1.77	79	BN	DO,SP	BN	RD	27.8	5	-	3	-
169	130	165	30	14	1580	385	1195	0.24	2.33	1.83	79	GN.PI	AB	AB	YE	27.4	7	-	3	-
170	130	165	30	17	3140	680	2460	0.22	2.45	1.53	79	PI	AB	AB	YE	28.7	7	-	3	-
171	130	172	30	21	4795	1020	3775	0.21	3.60	1.63	79	GN.PI	AB	AB	RD,YE	26.3	7	-	7	-
172	135	168	31	23	4220	1450	2770	0.34	3.39	1.27	79	PI	DO,SP	GY	RD	26.8	7	-	5	-
173	147	179	33	20	4355	1275	3080	0.29	2.34	1.20	79	BN	AB,SP	AB,BN	RD,YE	27.1	7	-	3	-
174	125	168	29	17	1065	210	855	0.20	4.70	1.17	79	GN.PI	AB	AB	YE	25.2	3	-	7	-
175	138	168	36	26	3070	700	2370	0.23	2.03	1.37	79	BN	AB	AB	RD,YE	26.8	7	-	3	-

ILL	Tif1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProdZ	CS	OS79	OS80	OS81
176	138	168	32	21	4415	1170	3245	0.27	2.37	1.20	79	BN.GY	AB.SP	AB.OL	RD.YE	25.2	7	-	-	5
177	135	175	36	22	5440	1035	4405	0.19	4.21	1.47	79	GN.PI	AB	AB	YE	26.5	7	-	-	5
178	138	172	34	16	4300	1150	3150	0.27	3.01	1.57	79	GN.PI	AB	AB	RD.YE	27.4	5	-	-	7
179	140	172	30	15	3780	900	2880	0.24	2.90	1.20	79	GN.PI	AB.MA	AB.BN	YE	26.6	5	-	-	3
180	143	179	33	17	7903	1285	6618	0.16	2.54	1.33	80	BN	AB.SP	AB.OL	YE	27.0	5	-	-	5
181	143	179	30	16	4155	975	3180	0.23	3.66	1.43	79	GN.PI	AB	AB	YE	25.9	5	-	-	5
182	138	172	33	18	4540	985	3555	0.22	2.20	1.33	79	GN.PI	AB	AB	YE	26.7	5	-	-	5
183	138	172	35	19	4465	1065	3400	0.24	2.50	1.47	79	PI	AB.SP	AB.BN	YE	26.3	5	-	-	5
184	135	167	21	10	3500	935	2565	0.27	1.72	1.83	79	BN	DO.SP	OL.BK	RD	25.7	7	-	-	-
185	130	167	32	20	5560	1840	3720	0.33	3.99	1.17	79	PI	SP	BK	RD	27.0	5	-	-	5
186	-	-	-	-	-	-	-	-	-	-	-	BN	SP	BK	RD	-	-	-	-	-
187	-	-	-	-	-	-	-	-	-	-	-	BN	AB	AB	RD	-	7	-	-	-
188	147	-	-	-	5805	1135	4670	0.20	4.23	1.17	80	GN.PI	AB	AB	YE	26.7	7	-	-	7
189	151	-	-	-	4865	1113	3752	0.23	3.06	1.57	80	GN.PI	AB	AB	YE	-	5	9	-	5
190	135	-	-	-	6300	1673	4627	0.27	4.44	1.30	80	BN	AB.DO	AB.BK	RD	27.0	7	7	-	-
191	141	-	-	-	6770	2178	4592	0.32	4.15	1.31	80	PI	SP	BK	RD	27.5	3	-	-	3
192	125	167	31	17	2715	845	1870	0.31	6.61	1.03	79	GN.PI	AB	AB	YE	25.6	3	-	-	9
193	133	-	-	-	2815	1100	1715	0.39	5.72	1.00	80	GN.PI	AB	AB	YE	24.3	3	-	-	5
194	145	-	-	-	4668	1373	3295	0.29	3.12	1.43	80	BN	AB	AB	RD	29.4	5	-	-	3
195	133	-	-	-	6050	2283	3767	0.38	3.21	1.67	80	BN	DO.SP	GY	RD	26.6	3	-	-	5
196	147	-	-	-	5195	1448	3747	0.28	3.28	1.30	80	PI.BN	AB	AB	RD	29.6	5	-	-	3
197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
198	151	-	-	-	6488	1300	5188	0.20	4.27	1.23	80	GN.PI	AB	AB	YE	-	5	-	-	-
199	130	167	32	18	5485	1675	3810	0.31	3.30	1.57	79	BN	DO.SP	GY	RD	-	5	-	-	-
200	151	-	-	-	5288	968	4320	0.18	4.41	1.23	80	GN.PI	MA	OL	YE	-	5	-	-	-
201	130	167	41	25	4890	1295	3595	0.26	2.38	1.50	79	BN	AB.SP	AB.GY	YE	27.0	7	-	-	-
202	120	168	32	18	4605	1720	2885	0.37	3.76	1.67	79	BN	AB	AB	YE	26.3	7	-	-	-
203	130	163	31	20	5670	1820	3850	0.32	3.42	1.50	79	BN	DO.SP	BK	RD	26.6	5	-	-	-
204	138	163	25	14	4645	1275	2790	0.31	2.04	1.61	79	BN	AB.SP	AB.BN	RD	27.7	7	-	-	-
205	133	-	-	-	5435	2230	3205	0.41	2.98	1.71	80	BN	DO	BK	RD	25.2	7	5	-	-
206	133	-	-	-	4775	1863	2912	0.39	2.71	1.80	80	BN	DO	BK	RD	23.0	7	-	-	-
207	135	-	-	-	4743	1845	2898	0.39	2.34	1.43	80	BN	MA	BK	RD	25.3	5	-	-	-
208	133	-	-	-	3470	1365	2105	0.39	2.49	1.70	80	BN	DO.SP	BK	RD	24.0	7	5	-	-
209	151	-	-	-	4333	1430	2903	0.33	2.13	1.83	80	PI	AB.DO	AB.BN	RD.YE	27.8	7	5	-	-
210	145	-	-	-	5280	1633	3647	0.31	3.00	1.68	80	PI	AB	AB	RD.YE	25.7	7	9	-	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
211	135	-	-	-	1783	968	815	0.54	4.94	1.11	80	PI	AB	AB	YE	26.4	5	-	-	-
212	133	-	-	-	3988	1663	2325	0.42	2.75	1.63	80	BN	DO.SP	BK	RD	24.2	5	7	-	-
213	138	-	-	-	4640	1878	2762	0.40	2.22	1.76	80	BN	AB	AB	RD	26.2	7	5	-	-
214	151	-	-	-	4840	1523	3317	0.31	2.30	1.63	80	BN	DO.MA	GY	RD.YE	25.7	7	9	-	-
215	151	-	-	-	4315	1318	2997	0.31	2.22	1.69	80	GN.PI	DO	BN	RD.YE	27.6	7	9	-	-
216	130	160	25	13	3485	1065	2420	0.31	1.14	1.77	79	BK	AB	AB	RD	26.8	7	-	-	-
217	140	172	31	18	3295	840	2455	0.25	2.20	1.90	79	BN	DO	BN	RD	25.9	5	-	-	-
218	138	172	30	15	3265	770	2495	0.24	2.60	1.33	79	GN	CO	OL.BK	YE	27.8	7	-	-	-
219	120	160	24	10	3205	970	2235	0.30	1.89	1.82	79	BN	DO.SP	BK	RD	22.2	7	-	-	-
220	115	154	29	14	3240	1305	1935	0.40	3.34	1.43	79	BN	DO.SP	BK	RD	-	7	-	-	-
221	115	157	30	13	4550	1530	3020	0.34	3.71	1.43	79	BN	DO.SP	BK	RD.YE	-	7	-	-	-
222	125	162	29	16	3800	1200	2600	0.32	2.17	1.77	79	BN	DO.SP	BK	RD.YE	23.1	7	-	-	-
223	138	-	-	-	3485	1053	2432	0.30	4.93	1.20	80	GN.PI	AB	AB	YE	24.4	5	5	-	-
224	135	-	-	-	5278	1588	3690	0.30	3.30	1.79	80	BN	DO.MA	BN	RD	-	5	-	-	-
225	-	-	-	-	-	-	-	-	-	-	-	BN	SP	BK	RD	-	-	-	-	-
226	133	-	-	-	4165	1720	2445	0.41	2.20	1.80	80	BN	DO.SP	BK	RD	25.5	7	5	-	-
227	135	-	-	-	4380	1660	2720	0.38	2.57	1.83	80	BN	DO.SP	BK	RD	25.5	5	5	-	-
228	135	-	-	-	2178	843	1335	0.39	2.33	1.83	80	BN	DO.SP	BK	RD	-	7	5	-	-
229	133	-	-	-	3248	1183	2065	0.36	2.11	1.71	80	BN	DO.SP	BK	RD	24.5	5	5	-	-
230	133	-	-	-	4398	1680	2718	0.38	2.16	1.87	80	BN	DO.SP	BK	RD	-	7	5	-	-
231	133	-	-	-	5420	1813	3607	0.33	2.30	1.63	80	BN	DO.MA	BK	RD.YE	22.9	5	-	-	-
232	135	172	33	21	6115	1528	4587	0.25	3.99	1.57	80	GN.PI	AB	AB	YE	25.6	5	-	-	-
233	145	-	-	-	4370	1175	3195	0.27	6.00	1.10	80	GN.PI	AB	AB	YE	-	5	5	-	-
234	151	-	-	-	7213	1710	5503	0.24	3.33	1.40	80	GN.PI	AB	AB	YE	26.1	5	-	-	-
235	151	-	-	-	7078	1478	5600	0.21	3.28	1.57	80	GN.PI	AB	AB	RD.YE	28.6	7	7	-	-
236	135	-	-	-	5013	1500	3513	0.30	2.87	1.47	80	GN.BN	AB	AB	RD.YE	-	7	5	-	-
237	145	-	-	-	5767	1168	4599	0.20	5.97	1.27	80	GN.PI	AB	AB	YE	26.0	5	5	-	-
238	-	-	-	-	-	-	-	-	-	-	-	GN.PI	AB	AB	YE	-	-	-	-	-
239	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
240	135	-	-	-	7560	2250	5310	0.30	3.34	1.66	80	BN	SP.MA	BN.BK	RD	25.9	5	-	-	-
241	130	166	31	20	7270	2300	4970	0.32	4.22	1.17	79	GN.PI	AB	AB	YE	24.6	7	-	-	-
242	130	168	35	19	4990	1325	3665	0.27	3.06	1.33	79	GN.PI	AB	AB	YE	27.0	7	-	-	-
243	135	168	35	18	5585	1375	4210	0.25	3.09	1.53	79	GN.PI	AB	AB	YE	24.9	7	-	-	-
244	130	168	32	17	2880	825	2055	0.29	2.81	1.63	79	BN	MA	BN	RD	27.9	5	-	-	-
245	130	168	30	16	3925	1280	2645	0.33	2.90	1.41	79	BN	MA	BN	RD	28.1	7	-	-	-

ILL	TiFl	TiNa	Hgt	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
246	154	-	-	-	5015	1215	3800	0.24	3.10	1.50	80	BN	AB,DO,HA	AB,OL	RD, YE	26.9	7	-	-	-
247	115	154	27	10	2890	1250	1640	0.43	2.50	1.70	79	BN	CO	BK	RD	24.1	7	-	-	-
248	135	168	33	17	5000	1470	3530	0.29	2.86	1.23	79	GN,PI	AB	AB	YE	27.5	7	-	-	-
249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250	135	168	30	16	5595	1635	3960	0.29	3.06	1.57	79	BN	DO,SP	GY	RD	27.0	3	7	-	-
251	154	-	-	-	6093	1245	4848	0.20	2.95	1.80	80	GY	AB	AB	YE	28.1	3	7	-	-
252	145	-	-	-	7585	2888	4697	0.38	3.11	1.40	80	PI	SP	BK	RD	26.0	5	5	-	-
253	133	-	-	-	5443	1835	3608	0.34	5.86	1.21	80	GN	DO	OL	YE	-	3	-	-	7
254	135	-	-	-	4853	1675	3178	0.35	5.62	1.23	80	GN,PI	AB,SP	AB,OL	YE	23.9	3	-	-	9
255	145	-	-	-	8355	2095	6260	0.25	2.96	1.50	80	BN	DO,SP	OL,BK	RD	26.5	5	-	-	-
256	151	-	-	-	5915	1395	4520	0.24	4.26	1.27	80	GN,PI	AB	AB	YE	-	5	-	-	-
257	135	-	-	-	5328	1165	4163	0.22	4.18	1.46	80	GN,PI	AB	AB	YE	26.3	5	-	-	-
258	151	-	-	-	5973	828	5145	0.14	4.44	1.23	80	GN,PI	AB	AB	YE	26.9	7	-	-	-
259	151	-	-	-	5625	1348	4277	0.24	2.92	1.57	80	GN,PI	AB	AB	YE	28.8	7	-	-	-
260	151	-	-	-	4298	915	3383	0.21	2.53	1.50	80	GN	CO	OL,BK	RD, YE	28.2	7	7	-	-
261	154	-	-	-	5058	693	4365	0.14	2.75	1.63	80	GN,PI	AB,SP	AB,GY	RD, YE	28.1	5	-	-	-
262	125	165	30	16	5375	1820	3555	0.34	5.78	1.17	79	GN,PI	AB	AB	RD, YE	24.8	3	-	-	-
263	138	179	31	18	4255	775	3480	0.18	2.78	1.71	79	GN,PI	AB	AB	YE	28.3	5	-	-	-
264	130	168	34	20	3645	-	-	-	5.56	1.21	79	GN,PI	AB	AB	YE	26.7	5	9	-	7
265	145	172	33	22	4375	1250	3125	0.29	2.11	1.53	79	GN	HA	OL	YE	28.3	5	-	-	-
266	140	179	34	17	4650	1000	3650	0.22	2.64	1.53	79	BN	AB,SP	AB,BK	RD, YE	27.9	5	-	-	-
267	120	164	27	13	2905	910	1995	0.31	1.97	1.70	79	BN	DO,HA	BK	RD, YE	21.4	7	-	-	-
268	135	168	32	20	5835	715	5120	0.12	3.36	1.00	80	PI	AB	AB	YE	27.2	5	-	-	-
269	135	168	31	21	3920	590	3330	0.15	3.50	1.20	79	GN,PI	AB	AB	YE	27.7	5	-	-	-
270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
271	151	-	-	-	9228	2435	6793	0.26	3.31	1.80	80	GN,PI	AB	AB	YE	28.4	5	-	-	-
272	151	-	-	-	5628	1155	4473	0.21	2.94	1.63	80	PI	AB	AB	RD	27.8	5	5	-	-
273	133	-	-	-	4243	1948	2295	0.46	5.81	1.13	80	GN,PI	DO	OL	YE	22.4	5	-	-	9
274	151	-	-	-	6673	1025	5648	0.15	3.40	1.56	80	PI	AB	AB	YE	29.0	5	-	-	-
275	133	-	-	-	5183	1700	3483	0.33	6.70	1.00	80	GN,PI	AB	AB	YE	25.3	3	-	-	-
276	151	-	-	-	8853	3258	5595	0.37	3.20	1.67	80	PI	AB	AB	YE	27.2	5	5	-	-
277	135	168	28	17	4410	1075	3335	0.24	2.96	1.57	79	PI	AB	AB	YE	26.3	5	-	-	-
278	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
279	135	172	30	21	3925	410	3515	0.10	2.53	1.30	79	PI	AB,SP	AB,OL	YE	28.7	7	-	-	-
280	151	-	-	-	5655	1463	4192	0.26	-	1.79	80	PI	AB	AB	RD, YE	28.1	-	-	-	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
281	145	-	-	-	7158	1830	5328	0.26	5.69	1.09	80 PI	AB	AB	YE	26.9	3	-	-	7
282	130	172	31	13	2925	825	2100	0.28	6.17	1.07	79 GN.PI	AB	AB	YE	25.1	3	-	-	7
283	130	172	33	18	3750	575	3175	0.15	4.35	1.00	79 GN.PI	AB	AB	YE	26.7	3	-	-	5
284	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
285	130	168	32	20	4400	1160	3240	0.26	2.63	1.43	79 GN.PI	AB	AB	YE	28.6	5	5	-	-
286	145	172	32	21	4220	735	3485	0.17	1.88	1.43	79 GN.PI	AB.SP	AB.BN	YE	26.8	5	-	-	-
287	140	172	33	23	4420	700	3720	0.16	2.39	1.63	79 GN.PI	AB.MA	AB.BN	RD.YE	26.5	5	-	-	-
288	135	179	34	20	5350	-	-	-	4.29	1.10	79 PI	AB	AB	YE	26.2	5	-	-	7
289	145	179	33	20	4745	840	3905	0.18	2.21	1.30	79 GN.PI	AB.MA	AB.OL	YE	-	7	-	-	-
290	-	-	-	-	-	-	-	-	-	-	GN.PI.BN	AB.SP	AB.BK	YE	-	-	-	-	-
291	125	160	34	20	5370	1940	3430	0.36	4.31	1.17	79 GN.PI	AB	AB	YE	25.0	5	-	-	-
292	130	179	38	18	-	-	-	-	5.02	1.17	79 GN.PI	AB	AB	YE	25.8	5	-	-	7
293	138	179	31	19	4060	440	3620	0.11	2.79	1.40	79 GN.PI	AB	AB	YE	28.9	5	-	-	-
294	151	-	-	-	6495	1665	4830	0.26	2.97	1.87	80 GN.PI	AB	AB	YE	27.2	5	-	-	-
295	151	-	-	-	6460	1448	5012	0.22	3.48	1.53	80 GN.PI	AB	AB	YE	26.9	3	7	-	-
296	145	-	-	-	5535	1390	4145	0.25	6.19	1.10	80 GN.PI	AB	AB	YE	26.1	3	5	-	-
297	151	-	-	-	6135	1208	4927	0.20	3.10	1.87	80 PI	AB	AB	YE	25.4	7	9	-	-
298	135	-	-	-	5533	1905	3628	0.34	4.80	1.10	80 GN.PI	AB.SP	AB.BK	YE	25.2	3	-	-	-
299	145	-	-	-	6390	1440	4950	0.23	6.21	1.00	80 GN.PI	AB	AB	YE	26.0	3	-	-	7
300	145	-	-	-	7030	1693	5337	0.24	4.77	1.00	80 GN.PI	AB	AB	YE	27.7	5	-	-	7
301	125	168	32	14	4730	900	3830	0.19	-	1.07	79 GN.PI	AB	AB	YE	26.0	5	-	-	7
302	135	172	30	17	4830	-	-	-	4.98	1.00	79 GN.PI	AB	AB	YE	26.9	5	-	-	5
303	151	-	-	-	6843	1750	5093	0.26	3.52	1.48	80 PI	AB	AB	YE	28.5	5	5	-	-
304	151	-	-	-	8773	2478	6295	0.28	2.48	1.73	80 BN	AB.MA	AB.BN	RD	29.0	7	7	-	-
305	135	168	30	18	6275	1630	4645	0.26	2.56	1.66	79 BN	AB.SP	AB.BK	RD	28.0	7	-	-	-
306	135	179	35	21	5025	-	-	-	5.80	-	79 GN.PI	AB.SP.MA	AB.OL	YE	25.3	5	-	-	-
307	135	172	34	23	4290	895	3395	0.21	5.13	1.07	79 GN.PI	AB	AB	YE	28.2	5	-	-	9
308	125	168	34	18	4580	-	-	-	8.28	1.00	79 GN	AB	AB	YE	-	5	-	-	-
309	130	172	33	20	3530	515	3015	0.15	2.81	1.20	79 PI	AB.SP	AB.OL	YE	24.2	5	-	-	-
310	138	172	33	18	2955	300	2655	0.10	2.16	1.63	79 BN	AB.SP	AB.GY	YE	26.9	7	-	-	-
311	140	179	29	16	3100	-	-	-	5.85	1.10	79 GN.PI	AB	AB	YE	25.9	3	-	-	9
312	140	179	29	16	4225	-	-	-	4.88	1.03	79 GN.PI	AB	AB	YE	26.4	3	-	-	9
313	140	179	30	18	5090	-	-	-	6.51	1.03	79 GN.PI	AB	AB	YE	25.7	3	-	-	7
314	135	-	-	-	6588	2323	4265	0.35	3.28	1.63	80 PI	SP	BK	RD	24.4	5	5	-	-
315	133	-	-	-	3490	1340	2150	0.38	2.95	1.53	80 BN	DO.SP	BK	RD	24.0	7	7	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
316	151	-	-	-	2703	1035	1668	0.38	2.84	1.20	80	GN.PI	CO	OL.BK	YE	27.8	7	7	-	-
317	130	172	27	17	3540	1170	2370	0.33	3.73	1.27	79	GN.PI	AB	AB	YE	23.6	5	-	-	-
318	135	179	27	20	3460	-	-	-	5.64	1.13	79	PI	AB	AB	YE	25.4	5	-	5	-
319	138	172	26	18	3400	975	2425	0.29	2.34	1.40	79	PI	DO	BN	RD	26.1	7	-	-	-
320	147	-	-	-	3840	1198	2642	0.31	2.75	1.10	80	GN	CO	OL.BK	YE	28.0	7	9	-	-
321	135	172	25	15	4320	635	3685	0.15	2.18	1.53	79	PI	AB.SP	AB.BK	RD	26.6	7	-	-	-
322	135	172	29	18	3420	665	2755	0.19	2.47	1.87	79	PI	AB.SP	AB.BK	RD	27.2	5	-	-	-
323	130	179	29	18	2315	-	-	-	6.16	1.03	79	GN.PI	AB	AB	YE	25.0	3	-	5	-
324	130	179	34	25	3535	305	3230	0.09	5.10	-	79	PI	AB	AB	YE	26.7	5	-	-	-
325	130	172	32	19	4210	855	3355	0.20	6.24	-	79	GN.PI	AB	AB	YE	23.8	3	-	-	-
326	138	-	-	-	5008	1630	3378	0.33	6.00	1.13	80	GN.PI	AB	AB	YE	25.6	3	-	-	-
327	145	-	-	-	5813	1400	4413	0.24	6.03	1.07	80	GN.PI	AB	AB	YE	25.8	5	-	5	-
328	147	-	-	-	6045	1715	4330	0.28	5.79	1.03	80	GN.PI	AB	AB	YE	25.0	5	-	5	-
329	141	-	-	-	5313	1595	3718	0.30	-	1.10	80	GN.PI	AB	AB	YE	-	5	-	-	-
330	151	-	-	-	5388	1345	4043	0.25	5.53	1.57	80	GN.PI	AB	AB	YE	27.6	7	9	-	-
331	151	-	-	-	6355	1833	4522	0.29	3.75	1.40	80	GN.PI	AB	AB	YE	26.4	3	-	-	-
332	147	-	-	-	5578	1715	3863	0.31	2.75	1.70	80	BN	AB	AB	RD	26.9	7	7	-	-
333	147	-	-	-	4928	1505	3423	0.31	2.81	1.48	80	GN.PI	AB.SP	AB.OL	YE	27.1	7	9	-	-
334	151	-	-	-	5628	1010	4618	0.18	2.69	1.27	80	GN.PI	AB.SP	AB.OL	YE	26.7	7	9	-	-
335	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
336	151	-	-	-	5740	1990	3750	0.35	2.56	1.67	80	GN.BN	CO	OL.BK	YE	28.6	7	9	-	-
337	-	-	-	-	-	-	-	-	-	-	-	BN	AB	AB	RD.YE	-	-	-	-	-
338	-	-	-	-	-	-	-	-	-	-	-	PI	AB	AB	YE	27.2	-	-	-	-
339	-	-	-	-	-	-	-	-	-	-	-	BN	AB	AB	YE	27.8	-	-	-	-
340	130	172	29	20	4750	-	-	-	5.83	1.00	79	GN.PI	AB	AB	YE	26.2	7	-	9	-
341	125	179	33	20	4845	1055	3790	0.22	4.45	1.33	79	GN.PI	AB	AB	YE	25.9	7	-	-	-
342	125	172	33	12	4485	1440	3045	0.32	3.05	1.66	79	BN	AB	AB	RD	26.1	7	-	-	-
343	130	172	34	20	5200	1050	4150	0.20	5.77	1.03	79	GN.PI	AB	AB	YE	27.2	3	-	5	-
344	130	168	30	20	4950	1550	3400	0.31	4.86	1.27	79	GN.PI	AB	AB	YE	25.0	7	-	3	-
345	130	163	29	16	4255	1560	2695	0.37	3.03	1.47	79	GN.PI	AB.SP	AB.OL	YE	23.4	7	-	-	-
346	135	165	30	17	4110	1630	2480	0.40	2.78	1.43	79	GN.PI	AB.SP	AB.OL	YE	25.5	7	-	-	-
347	135	165	30	16	4910	1945	2965	0.40	2.37	1.67	79	GN	CO	OL.BK	YE	25.5	7	-	-	-
348	130	165	30	18	4350	1755	2595	0.40	2.75	1.50	79	GN.PI	AB.SP	AB.OL	YE	-	7	9	-	-
349	125	165	26	15	3950	1565	2385	0.40	2.70	1.57	79	GN.PI	AB.MA	AB.OL.BN	YE	25.9	7	-	-	-
350	130	165	28	17	4515	1725	2790	0.38	2.85	1.44	79	GN	AB.MA	AB.OL	YE	25.4	5	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
351	130	166	28	18	4380	1835	2545	0.42	3.2	1.59	79	GN.PI	AB,MA	AB,OL	YE	24.8	7	-	-	-
352	120	166	30	19	4280	1825	2455	0.43	3.24	1.76	79	GN.BN	AB,SP	AB,OL	YE	24.6	5	-	-	-
353	125	168	30	15	2925	545	2380	0.19	5.14	-	79	BN	AB,SP	AB,OL	RD	26.8	3	-	-	-
354	151	-	-	-	5950	1515	4435	0.25	5.84	1.34	80	GN	CO	OL,BK	YE	26.9	7	-	7	-
355	135	179	30	20	2895	675	2220	0.23	5.58	1.00	79	GN	CO	OL,BK	YE	27.8	7	-	-	7
356	120	157	29	19	4200	1540	2660	0.37	2.90	1.53	79	GN.PI	AB,MA	AB,OL	RD	25.7	7	-	-	-
357	120	157	27	19	4405	1550	2855	0.35	2.86	1.30	79	GN.PI	AB,MA	AB,OL	RD	25.2	7	5	-	-
358	120	160	27	20	3380	1180	2200	0.35	2.43	1.43	79	GN.PI	AB,MA	AB,OL	RD	24.1	7	-	-	-
359	130	168	32	21	1275	160	1115	0.13	4.14	-	79	GN.PI	AB	AB	YE	26.1	5	-	-	-
360	135	-	-	-	4093	1560	2533	0.38	4.80	1.00	80	GN.PI	AB	AB	YE	26.4	5	-	-	5
361	135	-	-	-	3823	1465	2358	0.38	5.31	1.00	80	GN.PI	AB	AB	RD,YE	27.0	3	-	-	5
362	138	-	-	-	4273	1183	3090	0.28	5.53	1.00	80	GN.PI	AB	AB	YE	-	5	-	-	5
363	141	-	-	-	3978	1380	2598	0.35	5.20	1.13	80	PI	AB	AB	YE	26.7	5	-	-	7
364	133	-	-	-	6023	2308	3715	0.38	3.07	1.53	80	BN	DO,SP	GY	RD	23.5	5	-	-	-
365	141	-	-	-	3505	1620	1885	0.46	5.14	1.20	80	GN.PI	AB,SP	AB,OL	YE	26.4	5	-	-	7
366	141	-	-	-	5460	1508	3952	0.28	5.81	1.03	80	PI	AB	AB	YE	26.7	3	-	-	9
367	141	-	-	-	5803	1915	3888	0.33	5.31	1.03	80	PI	AB	AB	YE	26.0	5	-	-	9
368	141	-	-	-	5325	1485	3840	0.28	5.86	1.00	80	PI	AB	AB	YE	24.9	5	-	-	7
369	145	-	-	-	6215	1750	4465	0.28	4.99	1.00	80	PI	AB	AB	YE	25.1	5	7	-	-
370	130	172	32	20	4205	745	3460	0.18	6.09	1.03	79	PI	AB	AB	YE	25.8	5	-	-	5
371	130	168	30	18	4130	1150	2980	0.28	5.34	1.00	79	GN.PI	AB	AB	YE	25.3	5	-	-	5
372	130	168	32	19	3465	845	2620	0.24	5.42	1.03	79	GN.PI	AB	AB	YE	24.5	5	-	-	-
373	130	179	30	17	4150	690	3460	0.17	5.31	1.17	79	GN.PI	AB	AB	YE	25.0	7	-	-	9
374	120	179	31	15	3465	610	2855	0.18	4.51	1.03	79	GN.PI	AB,SP	AB,OL	YE	25.6	7	-	-	7
375	147	-	-	-	5633	1480	4153	0.26	5.08	1.28	80	GN.PI	AB	AB	YE	-	7	-	-	9
376	135	165	28	16	3600	915	2685	0.25	3.58	1.50	79	GN.PI	AB	AB	YE	26.9	5	-	-	-
377	130	179	29	16	4270	865	3405	0.20	5.63	1.00	79	PI	AB	AB	YE	27.4	5	-	-	7
378	130	179	30	18	4505	1125	3380	0.25	5.22	1.07	79	PI	AB	AB	YE	27.4	5	-	-	5
379	130	179	30	18	4665	-	-	-	4.93	1.17	79	PI	AB	AB	YE	24.8	5	-	-	7
380	130	179	32	17	4785	1000	3785	0.21	6.02	1.07	79	PI	AB	AB	YE	25.6	5	-	-	9
381	130	179	32	22	-	-	-	-	5.68	-	79	GN.PI,BN	AB	AB	YE	-	5	-	-	-
382	130	179	32	22	4985	685	4300	0.14	5.99	-	79	BN	AB	AB	YE	27.0	5	-	-	-
383	138	-	-	-	5573	1455	4118	0.26	5.41	1.00	80	GN.PI	AB	AB	RD,YE	26.0	5	5	-	-
384	138	-	-	-	5350	1695	3655	0.32	5.50	1.00	80	GN.PI	AB	AB	YE	27.3	3	7	-	-
385	141	-	-	-	5710	1478	4232	0.26	6.59	1.10	80	GN.PI	AB,SP	AB,OL	YE	26.6	5	-	-	7

ILL	TiFl	TiHa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	Proz	CS	0579	0580	0581
386	141	-	-	-	6880	1945	4935	0.28	5.94	1.00	80	BN	AB	AB	YE	26.9	5	-	-	5
387	141	-	-	-	6930	1833	5097	0.26	5.94	1.10	80	GN.PI	AB	AB	YE	26.1	5	-	-	5
388	130	179	33	22	4795	845	3950	0.18	7.01	1.00	79	GN.PI	AB	AB	YE	26.3	3	-	-	7
389	130	179	33	18	4790	-	-	-	6.68	1.10	79	GN.PI	AB	AB	YE	25.3	3	-	-	5
390	130	172	33	21	4490	-	-	-	6.36	1.00	79	PI	AB	AB	YE	26.0	7	-	-	9
391	130	179	30	19	4375	-	-	-	6.40	-	79	BN	AB	AB	YE	26.0	5	-	-	-
392	130	179	30	19	4855	-	-	-	5.49	-	79	GN.BN	AB	AB	YE	28.0	5	-	-	-
393	134	159	24	16	980	117	863	0.12	4.94	1.28	82	PI	AB.SP	AB.OL	YE	-	7	-	-	-
394	135	179	32	19	4560	855	3705	0.19	5.30	-	79	BN	AB	AB	YE	24.8	7	-	-	-
395	130	179	32	22	3850	550	3300	0.14	6.53	-	79	BN	AB	AB	YE	26.9	5	-	-	-
396	147	-	-	-	5500	1348	4152	0.25	4.36	1.10	80	GN.PI	AB.MA	AB.OL	YE	25.4	7	-	-	5
397	138	-	-	-	4350	1450	2900	0.33	4.96	1.00	80	PI	AB.MA	AB.OL	YE	-	7	-	-	7
398	138	-	-	-	3875	1065	2810	0.27	5.51	1.10	80	GN.PI	AB	AB	YE	28.5	5	9	-	-
399	-	-	-	-	-	-	-	-	-	-	-	BN	AB	AB	YE	27.7	-	-	-	-
400	139	159	29	17	1113	100	1013	0.09	4.17	1.17	82	PI	AB.MA	AB.OL	YE	27.7	5	-	-	-
401	-	-	-	-	-	-	-	-	-	-	-	BN	AB	AB	YE	-	5	-	-	-
402	138	-	-	-	4205	1100	3105	0.26	5.00	1.10	80	PI	AB.MA	AB.OL	YE	28.2	5	-	-	7
403	138	-	-	-	4300	1520	2780	0.35	4.89	1.00	80	PI	AB	AB	YE	26.4	5	7	-	-
404	141	-	-	-	5398	1320	4078	0.24	6.11	1.03	80	PI	AB	AB	YE	27.5	3	-	-	7
405	127	175	20	15	2613	453	2160	0.17	5.20	1.56	82	GN.PI	AB.MA	OL	YE	-	5	-	-	-
406	145	-	-	-	5018	1368	3650	0.27	4.48	1.00	80	GN.PI	AB	AB	YE	26.2	7	7	-	-
407	151	-	-	-	6220	1330	4890	0.21	5.75	1.20	80	GN.PI	AB	AB	YE	29.5	5	-	-	7
408	130	179	30	19	4775	525	4250	0.11	5.82	1.00	79	PI	AB	AB	YE	26.4	5	-	-	7
409	130	179	32	20	4060	410	3650	0.10	4.80	1.07	79	GN.PI	AB	AB	YE	27.2	5	-	-	7
410	130	179	33	19	4065	515	3550	0.13	4.81	1.13	79	GN.PI	AB.MA	AB.OL	YE	26.0	5	-	-	5
411	135	179	35	18	4235	400	3835	0.09	5.39	-	79	BN	AB	AB	YE	26.4	5	-	-	-
412	141	-	-	-	5535	1215	4320	0.22	3.08	1.13	80	GN.PI	AB	AB	YE	26.8	7	-	-	5
413	135	179	35	21	4815	-	-	-	5.64	1.00	79	GN.PI	AB	AB	YE	27.6	3	-	-	5
414	130	172	30	19	3455	310	3145	0.09	5.60	1.00	79	PI	AB	AB	YE	26.5	5	-	-	7
415	-	-	-	-	-	-	-	-	-	-	-	BN	AB	AB	RD	-	-	-	-	-
416	130	179	35	20	4840	-	-	-	4.81	-	79	GN.BN	AB	AB	YE	28.2	5	-	-	-
417	130	179	33	21	4375	-	-	-	5.22	1.07	79	PI	AB	AB	YE	27.5	5	-	-	7
418	130	179	32	20	4085	450	3635	0.11	4.69	1.07	79	GN.PI	AB	AB	YE	28.5	5	-	-	7
419	133	-	-	-	4065	1640	2425	0.40	5.56	1.17	80	GN.PI	AB	AB	YE	25.8	3	-	-	7
420	145	-	-	-	4218	1125	3093	0.27	3.67	1.40	80	GN.PI	AB	AB	YE	27.3	7	-	-	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
421	135	179	30	17	4400	-	-	-	5.85	1.17	79	GN.PI	AB	AB	YE	28.0	5	-	-	7
422	135	179	31	17	4280	-	-	-	5.32	-	79	BN	AB	AB	YE	27.7	7	-	-	-
423	135	179	30	15	3485	-	-	-	5.65	1.03	79	GN.PI	AB.SP	AB.OL	YE	26.7	7	-	-	7
424	135	172	31	16	3110	-	-	-	5.43	1.00	79	GN.PI	AB.SP	AB.OL	YE	27.7	5	-	-	7
425	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
426	147	-	-	-	4675	745	3930	0.16	6.73	1.00	80	GN.PI	AB	AB	YE	-	3	-	-	9
427	125	168	26	17	3970	1800	2170	0.45	5.69	1.07	82	GN.PI	AB	AB	YE	28.2	5	-	-	5
428	135	172	29	19	3385	-	-	-	5.12	1.07	79	GN.PI	AB.MA	AB.OL	YE	26.7	5	-	-	5
429	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
430	135	179	33	22	4685	700	3985	0.15	6.13	1.11	79	GN.PI	AB	AB	YE	27.1	5	-	-	7
431	135	179	34	17	4275	-	-	-	5.58	-	79	GN.BN	AB	AB	YE	28	5	-	-	-
432	135	179	34	23	4690	635	4055	0.14	5.38	-	79	GN.PI	AB.MA	OL	YE	27.8	5	-	-	-
433	130	179	33	22	3155	200	2955	0.06	4.87	1.03	79	PI	AB	AB	YE	27.5	7	-	-	9
434	130	179	34	20	3395	-	-	-	5.04	1.00	79	GN.PI	AB	AB	YE	27.4	7	-	-	9
435	130	179	33	20	3860	-	-	-	5.01	-	79	GN.PI	AB	AB	YE	26.8	5	-	-	-
436	135	179	34	20	3345	-	-	-	4.52	-	79	BN	AB	AB	YE	26.6	5	-	-	-
437	135	179	34	19	4110	475	3635	0.12	5.24	1.03	79	GN.PI	AB	AB	YE	24.9	3	-	-	9
438	145	-	-	-	4740	1610	3130	0.34	4.58	1.13	80	GN.PI	AB	AB	YE	-	3	-	-	7
439	122	168	25	20	4413	1530	2883	0.35	4.74	1.19	82	GN.PI	AB	AB	YE	-	5	-	-	-
440	141	-	-	-	4048	1255	2793	0.31	4.31	1.27	80	PI	AB	AB	YE	26.5	5	-	-	7
441	145	-	-	-	3250	988	2262	0.30	4.81	1.20	80	PI	AB	AB	YE	27.1	5	-	-	9
442	145	-	-	-	4185	1365	2820	0.33	5.62	1.37	80	GN.PI	AB	AB	YE	25.4	3	-	-	7
443	130	179	31	17	2810	-	-	-	5.44	1.20	79	PI	AB	AB	YE	25.6	3	-	-	7
444	130	179	32	16	3120	-	-	-	5.89	1.27	79	PI	AB	AB	YE	25.5	5	-	-	9
445	135	179	30	14	4200	-	-	-	5.13	1.10	79	GN.PI	AB	AB	YE	24.8	7	-	-	9
446	130	179	37	20	4570	-	-	-	5.29	1.17	79	PI	AB	AB	YE	24.7	5	-	-	9
447	130	179	39	22	4580	-	-	-	5.15	1.00	79	GN.PI	AB	AB	YE	26.6	3	-	-	7
448	130	179	38	22	4335	-	-	-	4.95	1.20	79	GN.PI	AB	AB	YE	26.3	7	-	-	7
449	125	168	33	23	5270	1200	4070	0.23	4.90	1.23	79	GN.PI	AB	AB	YE	22.6	5	-	-	5
450	130	179	34	21	5675	375	5300	0.07	5.25	1.13	79	GN.PI	AB.MA	AB.GY	YE	26.4	7	-	-	5
451	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
452	130	179	35	21	6145	495	5650	0.08	5.14	1.13	79	PI	AB.MA	AB.GY	YE	26.8	5	-	-	7
453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
454	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
455	130	179	34	20	3570	-	-	-	5.32	1.07	79	PI	AB	AB	YE	27.5	5	-	-	7

ILL	TiFl	TiMa	Hst	LPH	RiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
456	130	179	33	21	3200	-	-	-	4.78	1.13	79	PI	AB	AB	YE	26.9	5	-	-	7
457	130	179	35	21	4950	-	-	-	5.34	1.07	79	PI	AB	AB	YE	28.9	5	-	-	9
458	135	179	32	20	4370	-	-	-	5.24	1.00	79	PI	AB	AB	YE	28.0	3	-	-	7
459	135	179	33	24	4670	675	3995	0.14	5.46	1.00	79	PI	AB,MA	AB,GY	YE	26.6	3	-	-	5
460	145	-	-	-	4805	1660	3145	0.35	5.70	1.00	80	GN,PI	AB	AB	YE	-	3	-	-	7
461	135	179	34	20	5420	-	-	-	5.33	1.00	79	GN,PI	AB	AB	YE	26.4	3	-	-	7
462	135	179	31	20	4315	-	-	-	2.24	1.25	79	PI	AB	AB	YE	25.3	3	-	-	9
463	-	-	-	-	-	-	-	-	-	-	-	GN,PI	AB,MA	AB,OL	YE	-	5	-	-	-
464	145	-	-	-	5420	1495	3925	0.28	5.36	1.00	80	PI	AB	AB	YE	27.1	5	-	-	5
465	145	-	-	-	4395	1610	2785	0.37	4.87	1.20	80	BN	AB	AB	YE	25.8	3	-	-	-
466	147	-	-	-	5353	1983	3370	0.37	3.28	1.07	80	BN	AB,SP	AB,GY	YE	25.2	5	-	-	-
467	130	168	30	21	3055	540	2515	0.18	4.66	-	79	BN	AB	AB	YE	25.6	5	-	-	-
468	130	168	33	20	3020	565	2455	0.19	5.33	1.03	79	BN	AB	AB	YE	24.3	5	-	-	5
469	130	172	35	21	-	-	-	-	4.54	-	79	BN	AB	AB	YE	25.6	5	-	-	-
470	125	160	28	17	5000	2010	2990	0.40	3.33	1.33	79	BN	DO	GY	RD	23.8	5	-	-	-
471	-	-	-	-	-	-	-	-	-	-	-	GN,PI	AB	AB	YE	-	-	-	-	-
472	130	160	26	16	5530	2070	3460	0.37	3.22	1.63	79	BN	DO	GY	RD	24.2	5	-	-	-
473	125	167	29	16	4325	1380	2945	0.32	2.99	1.33	79	BN	DO,SP	GY,BK	RD	25.3	5	-	-	-
474	125	168	33	21	5050	1510	3540	0.30	6.64	1.03	79	PI	AB,SP	AB,GY	YE	24.8	3	-	-	-
475	125	167	30	18	5195	2160	3035	0.42	3.78	1.60	79	BN	DO	GY	RD	22.9	5	-	-	7
476	133	-	-	-	6028	2503	3525	0.42	3.43	1.63	80	BN	DO	GY	RD	23.6	5	-	-	-
477	151	-	-	-	4963	1345	3618	0.27	2.41	1.57	80	BN	AB	AB	RD	28.2	7	7	-	-
478	145	-	-	-	6120	1785	4335	0.29	3.80	1.72	80	PI	SP	BK	RD	26.4	5	9	-	-
479	151	-	-	-	6363	1678	4685	0.26	3.94	1.32	80	PI	SP	BK	RD	27.2	5	5	-	-
480	130	168	32	17	4890	1490	3400	0.30	3.50	1.43	79	PI	SP	BK	RD	26.3	5	-	-	-
481	130	168	31	20	3365	755	2610	0.22	3.37	1.23	79	PI	SP	BK	RD	27.1	5	-	-	-
482	130	168	32	18	3065	825	2240	0.27	3.59	1.37	79	PI	SP	BK	RD	26.5	5	-	-	-
483	130	168	32	18	3245	840	2405	0.26	3.10	1.37	79	PI	SP	BK	RD	28.1	7	-	-	-
484	125	168	27	17	3945	1040	2905	0.26	3.71	1.17	79	GN,PI	AB	AB	YE	24.3	7	-	-	-
485	120	168	27	16	3750	1205	2545	0.32	4.63	1.23	79	GN,PI	AB	AB	YE	23.5	7	-	-	9
486	125	168	32	21	5250	1490	3760	0.28	4.29	1.37	79	GN,PI	AB	AB	YE	23.5	5	7	-	-
487	120	157	28	18	4540	1815	2725	0.40	3.54	1.77	79	BN	DO	GY	RD	25.5	7	-	-	-
488	125	168	31	21	4325	945	3380	0.22	5.87	1.03	79	GN,PI	AB	AB	YE	25.8	5	-	-	-
489	125	168	31	19	4770	1095	3675	0.23	6.29	1.30	79	GN,PI	AB	AB	YE	25.8	5	-	-	9
490	130	168	28	17	4435	1495	2940	0.34	3.49	1.60	79	BN	DO	GY	RD	26.3	5	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
491	125	168	33	21	3300	450	2850	0.14	5.25	-	79	GN.PI	AB	AB	YE	25.8	5	-	-	-
492	135	-	-	-	8273	2463	5810	0.30	3.52	1.67	80	BN	AB,DO	AB,BK	RD	25.0	5	-	-	-
493	151	-	-	-	7840	1593	6247	0.20	2.99	1.33	80	BN	AB,DO	AB,BK	RD,YE	26.0	5	-	-	-
494	147	-	-	-	8185	2153	6032	0.26	4.39	1.53	80	GN.PI	AB	AB	YE	25.0	3	-	-	-
495	141	-	-	-	7530	2390	5140	0.32	3.22	1.30	80	GN.PI	AB,MA	AB,OL	YE	-	7	5	-	-
496	145	-	-	-	7583	2380	5203	0.31	3.28	1.63	80	GN.PI	AB,MA	AB,BN	YE	-	7	7	-	-
497	145	-	-	-	7408	2528	4880	0.34	3.17	1.33	80	GN.PI	AB,MA	AB,OL	YE	25.6	7	9	-	-
498	135	-	-	-	8085	2648	5437	0.33	3.22	1.63	80	GN.PI	AB,MA	AB,BN	YE	25.3	7	-	-	-
499	151	-	-	-	7888	2305	5583	0.29	3.42	1.60	80	GN.PI	AB,MA	AB,OL	YE	27.3	7	7	-	-
500	141	-	-	-	7190	2248	4942	0.31	3.07	1.43	80	GN.PI	AB,MA	AB,OL	RD,YE	25.4	7	9	-	-
501	130	168	32	21	3470	980	2490	0.28	2.82	1.60	79	GN.PI	AB,SP	AB,OL	YE	24.9	7	-	-	-
502	130	168	30	19	2755	840	1915	0.30	2.98	1.67	79	GN.PI	AB,SP	AB,OL	YE	25.0	7	-	-	-
503	135	179	30	18	3870	970	2900	0.25	3.24	1.93	79	GN.PI	AB	AB	RD,YE	24.9	7	-	-	-
504	130	168	32	20	4745	1595	3150	0.34	3.22	1.37	79	BN	MA	-BK	RD,YE	25.3	7	-	-	-
505	125	168	29	20	4170	1420	2750	0.34	3.08	1.53	79	BN	MA	BK	RD,YE	25.5	7	-	-	-
506	158	-	-	-	10358	2205	8153	0.21	2.35	1.57	80	GN.PI	AB	AB	YE	27.7	7	-	-	-
507	135	-	-	-	4965	1725	3240	0.35	4.71	-	80	GN.PI	AB	AB	YE	26.8	3	-	7	-
508	125	172	30	17	2570	-	-	-	5.48	1.07	79	GN.PI	AB	AB	YE	25.1	3	-	5	-
509	150	179	25	15	2300	655	1645	0.28	2.72	1.97	79	BN	MA	BK	RD,YE	-	5	-	-	-
510	135	172	26	16	2445	670	1775	0.27	2.91	1.50	79	BN	AB	AB	RD,YE	27.9	7	-	-	-
511	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
512	-	-	-	-	-	-	-	-	-	-	-	GN.PI	MA	OL	YE	-	-	-	-	-
513	130	168	25	14	5300	2050	3250	0.39	3.52	1.23	79	GN.PI	AB	AB	YE	22.3	5	-	-	-
514	151	-	-	-	7143	1463	5680	0.20	2.94	1.53	80	GN.PI	AB	AB	RD	27.7	7	9	-	-
515	140	179	28	12	2990	1010	1980	0.34	3.01	1.80	79	GN.PI	AB	AB	RD,YE	26.0	7	-	-	-
516	135	172	32	18	2920	705	2215	0.24	2.50	1.43	79	PI	AB,SP	AB,GY	RD,YE	26.6	7	-	-	-
517	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
518	138	172	29	15	2425	540	1885	0.22	2.03	1.60	79	BN	AB	AB	RD	26.2	7	-	-	-
519	144	159	27	-	-	-	-	-	2.01	-	82	BK	AB	AB	YE	-	7	-	-	-
520	145	172	28	17	3220	960	2260	0.30	1.97	1.90	79	BK	AB	AB	RD	28.9	7	-	-	-
521	135	172	28	10	2735	785	1950	0.29	2.82	1.40	79	GN.BN	MA	OL	RD,YE	-	5	-	-	-
522	130	168	32	21	5140	1475	3665	0.29	5.86	1.60	79	GN.PI	AB	AB	YE	23.6	5	-	7	-
523	145	-	-	-	5735	1525	4210	0.27	5.95	1.03	80	GN.PI	AB	AB	YE	25.2	3	-	7	-
524	151	-	-	-	6963	1803	5160	0.26	3.69	1.37	80	GN.PI	AB	AB	YE	24.4	5	-	-	-
525	125	163	25	15	4080	1467	2613	0.36	6.24	1.13	82	GN	AB	AB	YE	-	7	-	-	-

ILL	TiFl	TiMa	Hgt	LPH	BiYd	SDYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
526	141	-	-	-	6295	1763	4532	0.28	4.88	1.17	80	GN.PI	AB	AB	YE	25.2	3	-	-	5
527	145	-	-	-	6438	2035	4403	0.32	5.04	1.20	80	GN.PI	AB	AB	YE	22.4	3	7	-	-
528	141	-	-	-	5623	1645	3978	0.29	5.42	1.20	80	GN.PI	AB	AB	YE	22.4	3	-	-	-
529	138	-	-	-	5948	2010	3938	0.34	4.98	1.20	80	GN.PI	AB	AB	YE	25.1	3	-	-	7
530	141	-	-	-	4198	1445	2753	0.34	4.73	1.27	80	GN.PI	AB	AB	YE	25.3	5	-	-	7
531	141	-	-	-	4180	1550	2630	0.37	4.67	1.03	80	GN.PI	AB	AB	YE	-	5	-	-	5
532	141	-	-	-	3958	1525	2433	0.39	5.57	1.20	80	GN.PI	AB	AB	YE	25.3	7	-	-	7
533	151	-	-	-	5640	1625	4015	0.29	2.45	1.53	80	BN	AB	AB	YE	28.3	7	-	-	-
534	130	172	28	16	3300	650	2650	0.20	4.58	1.50	79	GN.PI	AB	AB	YE	24.2	7	-	-	9
535	130	179	30	19	2925	570	2355	0.19	4.00	1.37	79	GN.PI	AB	AB	YE	25.8	7	-	-	-
536	130	179	32	16	3880	890	2990	0.23	4.23	1.37	79	GN.PI	AB	AB	YE	26.1	7	-	-	-
537	130	179	30	20	4900	800	4100	0.16	4.66	1.17	79	GN.PI	AB	AB	YE	26.3	7	-	-	7
538	138	172	23	18	3780	385	3395	0.10	3.38	1.63	79	BN	MA	OL	RD.YE	27.3	5	-	-	-
539	140	172	24	19	4170	845	3325	0.20	2.95	1.80	79	BN	MA	BK	RD	27.7	5	-	-	-
540	138	172	26	18	3420	965	2455	0.28	2.93	1.63	79	BN	MA	GY	RD	27.7	5	-	-	-
541	151	-	-	-	6750	815	5935	0.12	2.93	1.43	80	PI	DO	GY	RD	29.1	5	-	-	-
542	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
543	145	-	-	-	6858	1620	5238	0.24	5.49	1.20	80	GN.PI	AB	AB	YE	26.4	5	-	-	5
544	145	-	-	-	7143	1635	5508	0.23	4.85	1.33	80	GN.PI	AB	AB	YE	27.0	5	-	-	-
545	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
546	130	179	31	22	5140	-	-	-	5.15	1.33	79	GN.PI	AB	AB	YE	26.3	7	-	-	7
547	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
548	135	172	29	19	4525	1110	3415	0.25	2.70	1.80	79	PI	AB	AB	RD	26.0	7	-	-	-
549	138	172	27	16	3895	1200	2695	0.31	3.00	1.40	79	BN	DO	GY	RD	26.7	5	-	-	-
550	151	-	-	-	7895	1488	6407	0.19	3.20	1.70	80	GN.PI	AB.SP	AB.BK	RD.YE	28.0	5	5	-	-
551	147	-	-	-	8448	1463	6985	0.17	4.08	1.57	80	BN	AB	AB	YE	29.2	5	-	-	-
552	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
553	151	-	-	-	8840	1575	7265	0.18	2.90	1.57	80	PI	AB	AB	RD	27.5	7	9	-	-
554	151	-	-	-	9020	2020	7000	0.22	3.37	1.73	80	PI	AB	AB	RD	27.6	7	9	-	-
555	130	160	28	18	4430	1485	2945	0.34	3.47	1.55	79	PI	AB.SP	AB.BK	RD	23.6	7	-	-	-
556	130	160	26	16	5065	1675	3390	0.33	2.83	1.63	79	PI	AB.SP.MA	AB.GY	RD	26.6	5	-	-	-
557	154	-	-	-	9933	2028	7905	0.20	2.79	1.64	80	PI	AB	AB	RD	26.2	7	-	-	-
558	138	172	26	18	1140	160	980	0.14	2.51	1.83	79	GY	AB	AB	YE	28.1	7	-	-	-
559	140	179	29	16	4035	580	3455	0.14	1.90	1.57	79	PI	AB	AB	RD.YE	27.7	7	-	-	-
560	130	172	31	23	4450	1065	3385	0.24	3.92	1.87	79	PI	AB	AB	RD	26.8	7	-	-	-

ILL	TiFl	TiHa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
561	133	-	-	-	6513	2070	4443	0.32	6.00	1.29	80	GN.PI	AB	AB	YE	-	3	-	-	9
562	135	172	25	16	3705	980	2725	0.26	2.54	1.23	79	BN	DO.SP	GY	RD	29.2	7	-	-	-
563	145	-	-	-	6113	1485	4628	0.24	5.97	1.07	80	GN.PI	AB	AB	YE	28.2	5	-	-	5
564	154	-	-	-	9578	1788	7790	0.19	3.15	1.36	80	BN	DO.SP	BK	RD	28.9	7	-	-	-
565	154	-	-	-	9490	2053	7437	0.22	3.21	1.53	80	PI.GY	AB	AB	RD.YE	26.0	5	-	-	-
566	147	-	-	-	6090	1790	4300	0.29	6.76	1.10	80	GN.PI	AB	AB	YE	-	5	7	-	-
567	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
568	151	-	-	-	9898	2433	7465	0.25	3.21	1.67	80	PI	AB	AB	RD	25.1	7	-	-	-
569	151	-	-	-	10285	2303	7982	0.22	3.14	1.53	80	PI	DO.SP	BK	RD	27.9	7	-	-	-
570	132	159	27	20	2013	590	1423	0.29	3.79	1.66	82	GN.PI	AB	AB	YE	-	-	-	-	-
571	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.7	-	-	-	-
572	147	-	-	-	6850	1930	4920	0.28	4.53	1.33	80	GN.PI	AB	AB	YE	-	7	-	-	7
573	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.5	-	-	-	-
574	147	-	-	-	8093	2130	5963	0.26	3.33	1.13	80	GN.PI	AB	AB	YE	-	7	-	-	-
575	135	-	-	-	6453	1690	4763	0.26	5.36	1.17	80	GN.PI	AB	AB	YE	25.2	5	-	-	5
576	141	-	-	-	6813	1870	4943	0.27	4.79	1.14	80	GN.PI	AB	AB	YE	-	5	-	-	5
577	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
578	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
579	-	-	-	-	-	-	-	-	-	-	-	GN.PI	AB	AB	YE	-	7	-	-	-
580	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.4	-	-	-	-
581	130	172	30	20	3705	700	3005	0.19	5.05	1.30	79	GN.PI	AB	AB	YE	-	7	-	-	7
582	135	179	28	25	8335	2120	6215	0.25	3.51	1.30	80	GN.PI	AB	AB	YE	-	7	-	-	-
583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
584	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.5	-	-	-	-
585	135	179	32	14	4330	760	3570	0.18	4.03	1.21	79	GN.PI	AB	AB	YE	-	7	-	-	-
586	135	179	32	25	4800	425	4375	0.09	3.05	1.40	79	PI	AB	AB	RD	27.9	5	-	-	-
587	135	179	33	22	4750	455	4295	0.10	2.67	1.60	79	PI	AB	AB	RD	-	7	-	-	5
588	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.9	-	-	-	-
589	147	-	-	-	8840	2495	6345	0.28	3.36	1.63	80	PI	AB	AB	RD	-	5	5	-	-
590	147	-	-	-	6345	1755	4590	0.28	4.54	1.55	80	GN.PI	AB	AB	YE	-	3	-	-	5
591	145	-	-	-	5950	1310	4640	0.22	4.97	1.13	80	GN.PI	AB	AB	YE	27.0	5	-	-	5
592	120	179	33	20	3640	140	3500	0.04	4.62	-	79	GN.PI	AB	AB	YE	-	5	-	-	-
593	120	179	31	22	4135	225	3910	0.05	3.38	-	79	GY	AB	AB	RD.YE	-	7	-	-	-
594	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.2	-	-	-	-
595	140	172	30	13	3255	595	2660	0.18	2.43	1.53	79	PI	AB	AB	RD	-	7	-	-	-

ILL	TiFl	TiMa	Hst	LP#	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
596	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
597	147	-	-	-	4425	1090	3335	0.25	2.60	1.23	80	GY	AB,DO	AB,GY	YE	27.3	7	-	-	-
598	135	168	31	21	4750	1315	3435	0.28	2.48	1.90	79	PI	AB,DO	AB,GY	RD	27.3	7	-	-	-
599	151	-	-	-	8315	2110	6205	0.25	4.22	1.40	80	PI	AB	AB	RD	-	7	-	-	-
600	151	-	-	-	4345	1368	2977	0.31	5.97	1.00	80	GN,PI	AB	AB	YE	-	7	-	-	-
601	145	-	-	-	5138	2155	2983	0.42	5.32	1.07	80	GN,PI	AB	AB	YE,GN	-	7	-	-	7
602	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.1	-	-	-	-
603	141	-	-	-	8463	2385	6078	0.28	4.07	1.47	80	BN	MA	BK	YE	24.9	3	-	-	-
604	151	-	-	-	6875	2028	4847	0.29	4.17	1.50	80	GN,PI	AB	AB	RD,YE	26.7	7	-	-	-
605	140	179	28	20	905	-	-	-	5.73	1.17	79	GN,PI	AB	AB	YE	24.8	-	-	-	7
606	141	-	-	-	6715	1888	4827	0.28	5.40	1.10	80	GN,PI	AB	AB	YE	-	5	-	-	5
607	-	-	-	-	-	-	-	-	-	-	-	GN,PI	AB	AB	RD,YE	-	-	-	-	-
608	-	-	-	-	-	-	-	-	-	-	-	GN,PI	AB,SP	AB,BK	YE,GN	-	5	-	-	-
609	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
610	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.7	-	-	-	-
611	151	-	-	-	6190	1848	4342	0.30	3.90	1.00	80	GN,PI,BN	AB,SP	AB,BK	RD,YE	-	5	-	-	-
612	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
613	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.9	-	-	-	-
614	151	-	-	-	5463	1490	3973	0.27	-	1.13	80	GN,PI	AB	AB	YE	23.9	-	-	-	-
615	151	-	-	-	5238	1993	3245	0.38	5.08	1.03	80	GN,PI	AB	AB	YE	-	5	-	-	5
616	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
617	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.0	-	-	-	-
618	138	1.3	30	20	775	200	575	0.26	3.29	1.50	79	PI	DO	GY	RD	26.7	7	-	-	-
619	135	179	32	20	2385	155	2230	0.06	4.95	1.07	79	GN,PI	AB	AB	YE,GN	-	7	-	-	5
620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.0	-	-	-	-
622	137	179	31	20	2780	-	-	-	6.13	1.00	79	GN,PI	AB	AB	YE	24.6	3	-	-	7
623	140	172	32	25	2750	215	2535	0.08	3.00	1.10	79	GN,PI	AB	AB	YE	27.1	7	-	-	-
624	140	168	32	23	2525	395	2130	0.16	2.96	1.83	79	GY	AB,SP	AB,GY	YE	26.3	7	-	-	-
625	138	168	29	19	5020	1578	3442	0.31	3.13	1.68	80	GY	AB,SP	AB,GY	RD,YE	-	7	-	-	-
626	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
627	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.8	-	-	-	-
628	130	168	30	20	1960	-	-	-	2.24	-	79	GN,PI	AB	AB	YE	-	3	-	-	-
629	-	-	-	-	-	-	-	-	-	-	-	GN,GY	AB,SP	AB,GY	YE	26.8	-	-	-	-
630	138	179	29	20	3240	500	2740	0.15	4.17	1.63	79	GN,PI	AB	AB	YE	25.2	3	-	-	-

ILL	TIF1	TiHa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
631	130	168	28	20	-	-	-	-	-	79	GN.PI	AB	AB	YE	25.0	-	-	-	-
632	151	-	-	-	5258	1250	4008	0.24	4.51	1.13	80	GN.PI	AB	YE	-	3	-	-	9
633	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.9	-	-	-	-
634	145	-	-	-	5803	2080	3723	0.36	4.60	1.24	80	BN	AB,BK	RD	23.9	3	-	-	7
635	135	-	-	-	5553	1993	3560	0.36	4.15	1.13	80	PI	AB,SP	RD	26.1	3	-	-	-
636	130	160	29	15	4585	1530	3055	0.33	4.24	1.47	79	PI	AB,SP,MA	RD	23.4	5	-	-	-
637	125	168	33	17	3430	-	-	-	7.33	1.33	79	GN.PI	AB	YE	27.4	5	-	-	-
638	135	172	33	20	3850	755	3095	0.20	4.52	1.07	79	PI	SP	RD	27.0	5	-	-	7
639	138	172	32	20	4175	985	3190	0.24	4.36	1.30	79	PI	AB,SP	RD	25.6	5	-	-	-
640	133	-	-	-	5405	1860	3545	0.34	5.31	1.37	80	GN.PI	AB,DO,SP	RD,YE	25.7	5	-	-	7
641	125	168	32	16	3700	850	2850	0.23	5.95	1.30	79	PI	AB,SP	RD,YE	26.3	5	-	-	9
642	125	168	33	18	3270	-	-	-	7.11	1.13	79	GN.PI	AB,SP	YE	24.7	5	-	-	9
643	125	168	34	21	4605	1250	3355	0.27	6.94	1.00	79	GN.PI	AB,DO	YE	26.5	5	-	-	7
644	125	168	33	18	4180	-	-	-	6.98	1.27	79	GN.PI	AB	YE	24.8	5	-	-	9
645	120	168	35	17	3180	785	2395	0.25	7.30	1.10	79	GN.PI	AB	YE	-	3	-	-	7
646	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
647	138	-	-	-	6928	2650	4278	0.38	-	1.37	80	PI	AB,DO	RD	-	-	-	-	-
648	138	-	-	-	5560	1368	4192	0.25	6.65	1.31	80	GN.PI	AB	YE	-	3	-	-	7
649	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
651	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.9	-	-	-	-
652	130	172	32	21	3125	325	2800	0.10	5.37	-	79	PI	AB	YE	26.6	7	-	-	-
653	125	179	30	21	1340	-	-	-	5.26	-	79	GN.PI	AB	YE	-	-	-	-	-
654	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
655	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.1	-	-	-	-
656	138	179	29	20	4945	950	3995	0.19	4.26	1.76	79	PI	DO	RD	25.4	5	-	-	-
657	135	168	29	16	6195	1870	4325	0.30	4.50	1.40	79	PI	DO	RD	28.1	5	-	-	-
658	147	-	-	-	9423	1633	7790	0.17	4.15	1.77	80	PI	AB,SP	RD	-	5	9	-	-
659	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
660	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.4	-	-	-	-
661	138	-	-	-	5793	1868	3925	0.32	4.58	1.63	80	PI	AB,DO,SP	RD	26.4	3	9	-	-
662	145	-	-	-	8775	2348	6427	0.27	4.29	1.43	80	PI	DO	RD	27.6	3	5	-	-
663	151	-	-	-	-	1688	-	-	4.20	1.43	80	BN	AB,DO,SP	RD	-	5	9	-	-
664	154	-	-	-	5468	1760	3708	0.32	4.96	1.36	80	PI	AB,DO,SP	RD	-	5	-	-	3
665	145	-	-	-	4598	1615	2983	0.35	4.62	1.50	80	PI	DO,SP	RD	-	3	-	-	5

ILL	TiFl	TiNa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS88
666	145	-	-	-	7815	2208	5607	0.28	4.37	1.33	80	GN.PI	D0.SP	OL.GY	RD	26.8	5	9	-	-
667	151	-	-	-	8190	2038	6152	0.25	4.30	1.38	80	PI	D0	GY	RD	27.6	5	7	-	-
668	151	-	-	-	6625	1765	4860	0.27	4.42	1.93	80	BN	AB,D0.SP	AB.GY	RD	28.4	5	7	-	-
669	140	172	29	16	4820	1085	3735	0.23	4.29	1.17	79	PI	D0.SP	GY	RD	27.4	3	-	-	-
670	135	168	28	15	3270	970	2300	0.30	4.22	1.37	79	PI	D0.SP	GY	RD	28.5	3	-	-	-
671	140	172	25	16	7925	1425	6500	0.18	4.43	1.27	80	PI.GY	AB.SP	AB.GY	RD.YE	-	5	-	-	-
672	154	-	-	-	8440	1668	6772	0.20	3.88	1.53	80	PI	D0	GY	RD	-	5	-	-	-
673	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.2	-	-	-	-
674	138	172	26	15	3265	810	2455	0.25	3.71	1.70	79	PI	D0	GY	RD	-	7	-	-	-
675	140	179	25	18	2770	470	2300	0.17	3.84	1.87	79	PI	AB,D0	AB.GY	RD	-	7	-	-	-
676	135	168	28	17	3480	960	2520	0.28	4.08	1.52	79	PI	AB.SP	AB.GY	RD	-	5	-	-	-
677	154	-	-	-	5428	1425	4003	0.26	3.90	1.37	80	PI	D0	GY	RD	-	5	-	-	-
678	147	-	-	-	3083	1288	1795	0.42	5.58	1.17	80	GN.PI	AB	AB	YE	-	5	-	5	-
679	151	-	-	-	3583	1153	2430	0.32	5.54	1.27	80	GN.PI	AB	AB	YE	-	5	-	7	-
680	151	-	-	-	6700	1315	5385	0.20	5.95	1.10	80	GN.PI	AB	AB	YE	-	5	-	3	-
681	140	172	28	17	3440	805	2635	0.23	4.01	1.33	79	PI	AB.SP	AB.GY	RD	-	5	-	-	-
682	151	-	-	-	5273	1475	3798	0.28	3.62	1.73	80	PI	AB,D0.SP	AB,OL.GY	RD	-	5	5	-	-
683	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
684	139	159	31	-	2080	153	1927	0.07	2.68	1.40	82	GN.PI	AB	AB	YE	-	-	-	-	-
685	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
686	141	-	-	-	6548	2050	4498	0.31	5.08	1.34	80	GN.PI	AB	AB	RD.YE	-	5	-	5	-
687	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
688	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
689	151	-	-	-	6963	1175	5788	0.17	3.03	1.43	80	PI	AB	AB	RD	-	7	-	-	-
690	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
691	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
692	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
693	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
694	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
695	151	-	-	-	5783	1495	4288	0.26	5.58	1.34	80	GN.PI	AB	AB	YE	-	5	-	7	-
696	142	-	-	-	7263	1605	5658	0.22	4.32	1.07	80	GN.PI	AB	AB	YE	-	5	-	-	-
697	151	-	-	-	7218	1655	5563	0.23	3.06	1.80	80	PI	AB	AB	RD	29.6	7	9	-	-
698	151	-	-	-	7325	1493	5832	0.20	2.90	1.43	80	GN	NA,C0	OL,BK	YE	28.2	7	-	-	-
699	154	-	-	-	7745	1550	6195	0.20	3.02	-	80	GN	C0	OL,BK	YE	-	7	7	-	-
700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ILL	TiF1	TiMa	Het	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
701	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
702	147	179	27	17	2605	595	2010	0.23	3.69	1.00	79	GN.PI	MA	-	YE	28.6	5	-	-	-
703	158	-	-	-	7625	1015	6610	0.13	4.07	1.13	80	GY	AB.SP	OL	YE	28.6	5	9	-	-
704	158	-	-	-	7488	1560	5928	0.21	3.66	-	80	GY	AB	AB	RD	29.4	7	-	-	-
705	158	-	-	-	7843	1313	6530	0.17	3.84	1.17	80	BN	AB	AB	YE	27.3	5	-	-	-
706	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
707	120	160	33	24	4875	1780	3095	0.37	6.63	1.20	79	GN.PI	AB	AB	YE	23.6	7	-	-	-
708	160	-	-	-	6235	970	5265	0.16	2.36	-	80	GN.PI	AB.SP	AB.OL	RD.YE	29.4	7	-	-	-
709	120	164	29	15	1635	310	1325	0.19	3.28	1.33	79	BN	MA	OL.BK	RD.YE	26.8	7	-	-	-
710	138	166	28	16	3000	650	2350	0.22	2.77	1.17	79	GN.PI	DO	GY	RD.YE	29.3	7	-	-	-
711	140	172	30	21	3030	710	2320	0.23	3.46	1.67	79	GN.PI	MA	OL	YE	29.6	7	-	-	-
712	147	172	32	23	3280	790	2490	0.24	3.35	1.33	79	GN.PI	MA	OL	YE	28.6	7	-	-	-
713	135	-	-	-	5830	1543	4287	0.26	2.58	1.62	80	BN	AB	AB	RD	-	7	-	-	-
714	130	172	33	23	3465	515	2950	0.15	5.18	1.43	79	GN.PI	AB	AB	YE	26.6	5	-	5	-
715	154	-	-	-	6843	1328	5515	0.19	3.66	1.43	80	GN.PI	AB.SP	AB.OL	YE	27.2	5	-	-	-
716	158	-	-	-	5893	680	5213	0.12	1.87	1.43	80	GN.PI	AB	AB	YE	-	7	-	-	-
717	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
718	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
719	154	-	-	-	6603	958	5645	0.15	3.87	1.27	80	GN.BN	MA	OL	YE	28.5	5	-	-	-
720	151	-	-	-	5810	1238	4572	0.21	3.98	1.30	80	PI	AB.DO	AB.GY	RD	28.7	5	-	-	-
721	151	-	-	-	4243	923	3320	0.22	3.73	1.70	80	GY	AB	AB	YE	26.5	7	-	-	-
722	154	-	-	-	6075	953	5122	0.16	4.20	1.30	80	GN.BN	MA	OL	YE	29.8	7	-	-	-
723	139	172	29	18	2013	433	1580	0.22	2.45	1.53	82	GN	MA	BK	YE	-	7	-	-	-
724	147	-	-	-	7165	1740	5425	0.24	6.19	1.13	80	GN.PI	AB	AB	YE	26.3	5	-	5	-
725	145	-	-	-	6108	1220	4888	0.20	6.79	1.00	80	GN.PI	AB	AB	YE	26.3	5	-	5	-
726	145	-	-	-	6930	1985	4945	0.29	6.56	1.13	80	GN.PI	AB	AB	YE	26.6	5	-	5	-
727	151	-	-	-	4615	950	3665	0.21	4.29	1.37	80	GY	AB.DO	AB.GY	YE	27.8	5	-	-	-
728	135	168	29	17	5185	965	4220	0.19	3.64	1.50	80	GY	AB	AB	YE	27.6	7	-	-	-
729	138	172	26	16	2780	680	2100	0.24	2.86	1.19	79	GY	AB	AB	RD.YE	28.4	-	-	-	-
730	138	172	24	15	2425	705	1720	0.29	3.82	1.43	79	GY	AB	AB	YE	27.6	5	-	-	-
731	138	172	25	16	2480	800	1680	0.32	3.78	1.40	79	GY	AB	AB	YE	27.7	7	-	-	-
732	138	172	25	17	2580	755	1825	0.29	3.87	1.77	79	GY	AB	AB	YE	27.3	7	-	-	-
733	147	-	-	-	3958	1118	2840	0.28	4.57	1.30	80	GY	AB	AB	YE	26.8	5	-	3	-
734	145	176	24	17	2250	675	1575	0.30	3.91	1.27	79	GY	AB.SP	AB.GY	YE	28.2	5	-	-	-
735	143	172	26	15	2050	645	1405	0.31	3.58	1.87	79	GY	AB	AB	RD.YE	29.0	5	-	-	-

ILL	TiFl	TiHs	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProX	CS	OS79	OS80	OS81
736	140	172	27	17	2650	720	1930	0.27	3.96	1.34	79	GY	AB	AB	RD.YE	27.7	5	-	-	-
737	143	172	29	18	5595	1140	4455	0.20	3.54	1.43	80	GY	AB	AB	YE	25.5	7	-	-	-
738	143	176	21	10	1765	535	1230	0.30	3.88	1.67	79	GY	AB	AB	YE	28.8	7	-	-	-
739	151	-	-	-	5143	1275	3868	0.25	4.26	1.23	80	GY	AB	AB	YE	28.1	5	-	-	-
740	151	-	-	-	4855	950	3905	0.20	3.07	1.60	80	GY	AB	AB	YE	-	5	-	-	-
741	151	-	-	-	5855	1515	4340	0.26	3.74	1.50	80	GY	AB	AB	RD.YE	27.6	7	-	-	-
742	140	172	25	17	2740	835	1905	0.30	3.46	1.37	79	GY	AB	AB	YE	26.9	7	-	-	-
743	140	176	26	17	2335	645	1690	0.28	3.48	1.67	79	GY	AB	AB	RD.YE	28.7	5	-	-	-
744	140	172	22	15	2425	705	1720	0.29	3.67	1.53	79	GY	AB	AB	YE	28.5	7	-	-	-
745	135	172	26	15	2975	760	2215	0.26	3.76	1.87	79	GY	AB	AB	RD.YE	27.8	7	-	-	-
746	130	168	29	16	3000	700	2300	0.23	3.36	1.83	79	GN	AB	AB	YE	27.8	7	-	-	-
747	151	-	-	-	5140	1170	3970	0.23	4.24	1.43	80	GY	AB	AB	YE	27.6	5	-	-	-
748	142	-	-	-	6213	-	-	-	4.13	1.37	80	PI.GY	AB	AB	YE	25.6	5	-	-	-
749	130	172	28	18	2813	830	1983	0.30	4.50	1.30	82	GN.PI	AB	AB	YE	-	5	-	-	-
750	147	-	-	-	4075	1333	2742	0.33	4.52	1.47	80	PI.GY	AB	AB	RD.YE	27.1	5	-	-	7
751	145	-	-	-	3913	1330	2583	0.34	4.60	1.37	80	BN	AB	AB	RD.YE	27.2	7	-	-	3
752	133	-	-	-	3815	1220	2595	0.32	5.87	1.10	80	GN.PI	AB	AB	YE	26.4	3	-	-	3
753	145	-	-	-	5185	1165	4020	0.22	3.48	1.60	80	GY	AB	AB	YE	25.8	5	-	-	-
754	151	-	-	-	4108	800	3308	0.19	4.13	1.53	80	GY	AB	AB	YE	27.8	5	-	-	-
755	151	-	-	-	4810	1110	3700	0.23	4.17	1.70	80	GY	AB	AB	YE	28.4	5	-	-	-
756	151	-	-	-	6278	1640	4638	0.26	4.83	1.80	80	GN.PI	AB	AB	YE	28.1	7	-	-	-
757	149	-	-	-	5765	1555	4210	0.27	4.56	1.30	80	BN	AB	AB	YE	26.3	7	-	-	5
758	130	179	30	20	3990	1065	2925	0.27	4.88	1.47	79	GN.PI	AB	AB	YE	26.5	7	-	-	5
759	130	168	30	21	5175	2000	3175	0.39	4.67	1.50	79	BN	AB	AB	RD	25.2	3	-	-	5
760	135	172	29	19	6650	1175	5475	0.18	4.02	1.00	80	GY	AB	AB	YE	27.2	5	-	-	-
761	130	172	29	17	3125	525	2600	0.17	3.99	1.62	79	GN.PI	AB	AB	YE	27.6	7	-	-	-
762	135	172	30	21	2955	655	2300	0.22	3.89	1.57	79	BN	AB	AB	YE	26.6	5	-	-	-
763	140	179	28	18	3320	550	2770	0.17	3.72	1.37	79	GY	AB	AB	YE	27.7	7	-	-	-
764	151	-	-	-	5883	1375	4508	0.23	4.01	1.50	80	GY	AB	AB	YE	27.5	7	-	-	-
765	151	-	-	-	5340	1270	4070	0.24	3.71	1.32	80	GY	AB	AB	YE	27.2	7	-	-	-
766	151	-	-	-	5185	1008	4177	0.19	3.83	1.67	80	BN	AB	AB	RD.YE	27.4	7	-	-	-
767	151	-	-	-	5665	993	4672	0.18	4.20	1.07	80	GY	AB	AB	YE	26.1	7	-	-	-
768	140	172	24	15	2465	595	1870	0.24	2.99	1.57	79	PI	AB	AB	RD	27.1	7	-	-	-
769	138	172	25	16	2200	495	1705	0.23	3.47	1.77	79	GN.BN	AB	AB	RD.YE	27.2	7	-	-	-
770	145	179	24	15	1910	550	1360	0.29	3.82	1.03	79	GY	AB	AB	YE	28.4	7	-	-	-

ILL	TiFl	TiMa	Hgt	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
771	151	-	-	-	5198	1270	3928	0.24	3.22	1.67	80	BN.GY	AB	AB	RD.YE	28.6	7	9	-	-
772	151	-	-	-	5283	1315	3968	0.25	3.71	1.70	80	BN	AB	AB	YE	27.3	7	7	-	-
773	151	-	-	-	5075	1115	3960	0.22	4.37	1.53	80	BN.GY	AB	AB	RD.YE	27.0	7	-	-	-
774	151	-	-	-	4745	1110	3635	0.23	3.57	1.87	80	BN	AB	AB	RD	27.9	7	7	-	-
775	140	172	27	21	3090	715	2375	0.23	3.55	1.70	79	PI.GY	AB	AB	RD.YE	26.6	7	-	-	-
776	130	172	31	17	3580	870	2710	0.24	4.09	1.10	79	BN	AB	AB	RD	27.0	7	-	-	-
777	139	172	25	16	1680	280	1400	0.17	3.01	1.53	82	PI.BN	AB	AB	RD	-	5	-	-	-
778	125	160	30	17	7515	2405	5110	0.32	4.11	1.23	79	BN	SP	BK	RD	25.7	5	-	-	-
779	125	157	31	21	5820	2235	3585	0.38	4.71	1.40	79	BN	AB.DO	AB.GY	RD	24.9	5	-	7	-
780	125	168	31	22	4820	1600	3220	0.33	8.55	1.10	79	GN.PI	AB	AB	YE	25.3	3	-	9	-
781	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
782	138	172	27	19	2515	710	1805	0.28	3.94	1.29	79	GN	CO	OL.BK	YE	26.8	7	-	-	-
783	125	165	30	18	4320	1395	2925	0.32	6.87	1.20	79	GN.PI	AB	AB	YE	24.9	5	-	7	-
784	120	160	30	11	3035	985	2050	0.32	3.09	1.73	79	BN	AB.DO	AB.GY	RD	24.3	7	-	-	-
785	120	160	28	15	2140	775	1365	0.36	3.00	1.77	79	BN	AB.DO	AB.GY	RD	-	7	-	-	-
786	115	165	34	14	4635	1565	3070	0.34	3.81	1.70	80	BN	AB	AB	RD	26.2	7	-	-	-
787	115	165	32	14	3955	1150	2805	0.29	3.89	1.33	79	BN	AB	AB	RD	26.2	7	-	-	-
788	115	165	31	16	2725	855	1870	0.31	4.19	1.77	79	BN.GY	AB	AB	RD.YE	26.1	7	-	-	-
789	115	165	33	18	5605	1895	3710	0.34	4.43	1.53	80	BN	AB	AB	RD.YE	24.8	7	-	-	-
790	115	168	34	17	3025	1025	2000	0.34	3.83	1.30	79	BN	AB	AB	RD	24.8	7	-	-	-
791	115	168	33	14	2195	645	1550	0.29	3.84	1.83	79	BN	AB	AB	RD	24.6	7	-	-	-
792	115	165	34	18	5645	1455	4190	0.26	3.96	1.57	79	BN	AB.SP	AB.BK	RD	25.6	7	-	-	-
793	115	157	37	15	4545	1105	3440	0.24	3.84	1.83	79	BN	AB	AB	RD.YE	24.7	7	-	-	-
794	115	157	36	18	4805	1360	3445	0.28	3.49	1.83	79	BN	AB	AB	RD	26.2	7	-	-	-
795	115	160	36	15	4500	1075	3425	0.24	3.34	1.50	79	BN	AB	AB	RD	26.1	7	-	-	-
796	115	160	39	16	4425	585	3840	0.13	3.05	1.87	79	BN	AB	AB	RD	25.1	7	-	-	-
797	115	160	35	15	4420	1005	3415	0.23	3.45	1.57	79	BN	AB	AB	RD	25.4	7	-	-	-
798	115	160	33	16	4925	1635	3290	0.33	3.61	1.67	79	BN	AB	AB	RD.YE	26.0	7	-	-	-
799	115	160	37	15	5935	1840	4095	0.31	3.99	1.97	79	BN	AB	AB	RD	24.7	7	-	-	-
800	115	160	35	16	2020	1530	490	0.76	3.72	1.83	79	BN	AB	AB	RD	26.4	7	-	-	-
801	135	-	-	-	5050	1675	3375	0.33	3.64	1.73	80	BN	AB	AB	RD	25.1	7	7	-	-
802	135	-	-	-	5035	1620	3415	0.32	3.61	1.73	80	BN	AB	AB	RD	25.9	7	5	-	-
803	120	168	32	16	3550	1080	2470	0.30	3.74	1.67	79	PI.BN	AB	AB	RD	26.3	7	-	-	-
804	135	-	-	-	3328	1175	2153	0.35	3.82	1.77	80	BN	AB	AB	RD	26.0	7	5	-	-
805	138	-	-	-	4850	1725	3125	0.36	3.83	1.83	80	BN	AB	AB	RD	25.5	7	5	-	-

ILL	T1F1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
806	135	-	-	-	4203	1623	2580	0.39	4.07	1.47	80	BN	AB	AB	RD	25.7	7	5	-	-
807	135	-	-	-	4975	1730	3245	0.35	3.93	1.77	80	BN	AB,SP	AB,BK	RD	25.3	7	5	-	-
808	133	-	-	-	4700	1835	2865	0.39	3.75	1.83	80	BN	AB	AB	RD	25.6	7	3	-	-
809	115	165	40	17	9660	1735	7925	0.18	3.32	1.60	79	BN	AB	AB	RD	26.0	7	-	-	-
810	115	165	38	22	3430	1700	1730	0.5	3.72	1.63	79	BN	AB	AB	RD	23.7	7	-	-	-
811	115	165	36	21	7030	1305	5725	0.19	3.50	-	79	BN	AB	AB	RD	25.8	7	-	-	-
812	115	160	36	15	4005	1495	2510	0.37	3.53	1.80	80	BN	AB	AB	RD	24.2	7	-	-	-
813	115	168	37	16	2980	-	-	-	3.68	-	79	BN	AB	AB	RD	26.2	7	-	-	-
814	115	160	32	17	7320	2600	4720	0.36	3.86	1.37	80	BN	AB	AB	RD	25.2	7	-	-	-
815	115	168	39	18	1725	1270	455	0.74	3.15	1.77	79	BN	AB	AB	RD	26.4	7	-	-	-
816	115	168	38	19	6665	1915	4750	0.29	3.71	1.63	79	BN	AB	AB	RD	26.0	7	-	-	-
817	138	-	-	-	3130	983	2147	0.31	3.98	1.43	80	BN	AB	AB	RD	26.2	7	5	-	-
818	135	-	-	-	5545	1690	3855	0.30	3.94	1.31	80	BN	AB,DO	AB,GY	RD	25.3	7	5	-	-
819	135	-	-	-	5713	1590	4123	0.28	3.49	1.77	80	BN	AB	AB	RD	25.9	7	-	-	-
820	135	-	-	-	4863	1760	3103	0.36	3.80	1.60	80	BN	AB	AB	RD	25.4	7	-	-	-
821	135	-	-	-	3805	1180	2625	0.31	3.76	1.69	80	BN	AB	AB	RD	26.7	7	5	-	-
822	115	166	35	15	6155	1810	4345	0.29	3.94	1.73	79	BN	AB,SP	AB,BK	RD,YE	25.9	7	-	-	-
823	115	166	33	15	3970	1175	2795	0.30	3.67	1.57	79	BN	AB	AB	RD	25.7	7	-	-	-
824	120	173	35	15	4688	1210	3478	0.26	3.96	1.73	80	BN	AB	AB	RD	28.1	7	-	-	-
825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.3	-	-	-	-
826	115	157	33	16	4700	1500	3200	0.32	3.39	1.73	79	BN	AB	AB	RD	26.3	7	-	-	-
827	115	160	31	15	5125	1335	3790	0.26	3.65	1.93	79	BN	AB	AB	RD,YE	26.3	7	-	-	-
828	115	160	30	14	3975	1310	2665	0.33	3.82	1.53	79	BN	AB	AB	RD,YE	26.9	7	-	-	-
829	110	160	30	11	4520	1375	3145	0.30	3.91	1.63	79	BN	AB	AB	RD,YE	26.3	7	-	-	-
830	115	160	32	10	4870	1730	3140	0.36	4.23	1.66	80	BN	AB	AB	RD,YE	25.7	7	-	-	-
831	115	160	35	14	4980	1525	3455	0.31	3.62	1.40	79	BN	AB	AB	RD,YE	25.5	7	-	-	-
832	115	160	33	12	5745	1860	3885	0.32	4.15	1.63	79	PI, BN	AB	AB	RD	26.8	7	-	-	-
833	115	160	32	14	5415	1175	4240	0.22	3.93	1.63	79	BN	AB	AB	RD	26.6	7	-	-	-
834	115	157	34	12	5490	1550	3940	0.28	3.34	1.65	79	BN	AB	AB	RD	26.1	7	-	-	-
835	125	173	25	13	1815	465	1350	0.26	3.63	1.33	79	GY	AB	AB	YE	28.5	7	-	-	-
836	130	168	28	10	2400	955	1445	0.40	4.64	1.37	79	PI	SP	BK	RD	28.0	5	-	-	5
837	120	166	30	11	5075	1745	3330	0.34	5.59	1.10	79	GN, PI	AB	AB	YE	24.9	5	-	-	9
838	125	166	30	12	5210	-	-	-	5.85	1.17	79	GN, PI	AB	AB	YE	24.6	5	-	-	7
839	120	160	28	12	4665	1545	3120	0.33	5.36	1.20	79	GN, PI	AB	AB	YE	23.6	7	7	-	-
840	147	179	22	15	3775	485	3290	0.13	3.50	1.67	80	PI	AB	AB	RD	28.5	7	-	-	-

ILL	Tif1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
841	125	168	28	15	1705	335	1370	0.20	6.94	1.07	79	GN.PI	AB	AB	YE	25.6	5	-	-	7
842	133	-	-	-	6398	2545	3853	0.40	4.85	1.27	80	GN.PI	AB	AB	YE	24.4	7	-	-	5
843	125	166	25	13	5375	1730	3645	0.32	4.46	1.67	79	BN	DO.SP	BK	RD	26.5	7	-	-	-
844	125	160	28	14	5725	2525	3200	0.44	4.70	1.53	79	PI	DO	GY	RD	24.5	5	-	-	9
845	130	168	33	20	6435	2265	4170	0.35	5.13	1.27	79	GN.PI	AB	AB	YE	24.1	5	-	-	3
846	120	160	31	15	5080	1900	3180	0.37	5.44	1.13	79	GN.PI	AB.SP	AB.BK	YE	-	5	-	-	7
847	120	160	33	16	4995	1780	3215	0.36	5.56	1.23	79	GN.PI	AB.SP	AB.BK	YE	24.8	5	-	-	5
848	125	168	32	16	5470	1565	3905	0.29	4.08	1.93	79	PI	SP	BK	RD	26.5	7	-	-	-
849	120	168	33	18	6690	1670	5020	0.25	5.62	1.07	79	GN	AB	AB	YE	25.4	7	-	-	7
850	145	-	-	-	6525	2505	4020	0.38	5.20	1.20	80	PI	SP	BK	RD	26.1	5	7	-	-
851	133	-	-	-	6620	2800	3820	0.42	5.31	1.13	80	GN.PI	AB	AB	YE	25.7	5	-	-	9
852	145	-	-	-	5560	2145	3415	0.39	5.06	1.24	80	PI	SP	BK	RD	26.6	5	5	-	-
853	138	-	-	-	4663	1588	3075	0.34	6.53	1.03	80	GN.PI	AB	AB	YE	26.2	5	-	-	9
854	130	173	29	18	-	-	-	-	6.14	-	79	GN.PI	AB	AB	YE	26.4	-	-	-	-
855	130	173	33	18	3265	675	2590	0.21	6.56	1.07	79	GN.PI	AB	AB	YE	26.1	5	-	-	7
856	130	173	30	17	2875	560	2315	0.19	6.81	1.00	79	PI	AB	AB	YE	26.8	5	-	-	7
857	133	-	-	-	5650	2305	3345	0.41	5.73	1.19	80	GN.PI	AB	AB	YE	23.9	5	9	-	-
858	133	-	-	-	5610	2365	3245	0.42	5.55	1.03	80	GN.PI	AB	AB	YE	24.7	5	5	-	-
859	151	-	-	-	5140	955	4185	0.19	3.72	1.70	80	GN	CO	OL.BK	YE	28.0	5	7	-	-
860	140	173	25	18	3315	925	2390	0.28	3.65	1.57	79	GY	AB	AB	YE	29.5	7	-	-	-
861	140	170	28	13	5118	1085	4033	0.21	2.83	1.50	80	GN.PI	AB	AB	RD.YE	28.1	7	-	-	-
862	138	172	30	14	3660	865	2795	0.24	3.84	1.63	79	GY	AB	AB	YE	27.1	5	-	-	-
863	151	-	-	-	4205	935	3270	0.22	3.28	1.50	80	BN	AB	AB	YE	27.2	5	7	-	-
864	135	172	28	15	2905	755	2150	0.26	3.97	1.70	79	BN	AB	AB	RD.YE	28.4	5	-	-	-
865	135	172	26	14	3000	715	2285	0.24	3.59	1.45	79	BN	AB	AB	YE	29.0	7	-	-	-
866	140	173	28	15	2655	650	2005	0.24	3.79	1.63	79	PI.GY	AB	AB	RD.YE	28.0	7	-	-	-
867	151	-	-	-	4355	955	3400	0.22	4.13	1.62	80	BN	AB	AB	RD	28.5	7	9	-	-
868	151	-	-	-	4675	1160	3515	0.25	4.40	1.87	80	BN	AB	AB	RD.YE	28.8	7	5	-	-
869	151	-	-	-	4188	905	3283	0.22	4.02	1.63	80	BN	AB	AB	YE	28.0	7	7	-	-
870	151	-	-	-	4100	885	3215	0.22	4.08	1.57	80	BN	AB	AB	RD.YE	28.5	7	9	-	-
871	151	-	-	-	4700	1425	3275	0.30	4.69	1.33	80	PI.GY	AB	AB	RD.YE	29.1	5	-	-	3
872	147	-	-	-	5708	1918	3790	0.34	4.66	1.60	80	GY	AB	AB	YE	28.9	7	-	-	5
873	151	-	-	-	3675	860	2815	0.23	4.37	1.66	80	GN.PI	AB	AB	RD.YE	-	7	9	-	-
874	151	-	-	-	3885	930	2955	0.24	4.45	1.43	80	GN.PI	AB	AB	YE	28.1	5	-	-	-
875	151	-	-	-	3990	885	3105	0.22	3.98	1.50	80	BN	AB	AB	YE	26.7	7	-	-	-

ILL	TIF1	TiKa	Hst	LPH	BiYd	SdYd	StYd	HI	100SM	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
876	135	173	28	15	3940	1245	2695	0.32	3.66	1.50	79	BN	AB	AB	RD.YE	27.5	7	-	-	-
877	135	173	27	13	3448	815	2633	0.24	4.06	1.37	80	GY	AB	AB	YE	28.4	7	-	-	-
878	138	187	18	10	4560	1110	3450	0.24	3.41	1.63	80	BN	AB	AB	RD.YE	28.6	7	-	-	-
879	138	179	22	14	980	125	855	0.13	3.59	1.42	79	GN.PI	AB	AB	YE	-	7	-	-	-
880	135	179	21	12	1090	215	875	0.20	3.70	1.23	79	GY	AB	AB	YE	28.5	7	-	-	-
881	145	-	-	-	6950	2135	4815	0.31	6.28	1.14	80	GN.PI	AB	AB	YE	26.1	5	-	-	5
882	145	-	-	-	6090	1510	4580	0.25	6.50	1.30	80	GN.PI	AB	AB	YE	26.8	5	-	-	5
883	135	-	-	-	5425	1825	3600	0.34	6.10	1.33	80	GN.PI	AB	AB	YE	26.1	5	-	-	5
884	138	-	-	-	7140	2518	4622	0.35	5.92	-	80	GN	AB	AB	YE	26.3	5	-	-	5
885	138	-	-	-	7535	2520	5015	0.33	5.25	1.27	80	GN.PI	AB	AB	YE	25.1	7	-	-	3
886	141	-	-	-	6380	2260	4120	0.35	5.25	1.29	80	GN.PI	AB	AB	YE	26.3	5	-	-	3
887	147	-	-	-	3633	795	2838	0.22	3.96	1.63	80	BN	AB	AB	YE	28.0	7	-	-	-
888	151	-	-	-	4778	1128	3650	0.24	4.19	1.47	80	GY	AB	AB	YE	28.7	7	-	-	-
889	130	173	28	12	2510	840	1670	0.33	6.26	1.33	79	GN.PI	AB	AB	YE	25.5	5	-	-	5
890	130	173	24	15	2560	715	1845	0.28	6.74	1.13	79	GN.PI	AB	AB	YE	25.7	5	-	-	7
891	125	168	24	17	2420	640	1780	0.26	3.54	1.43	79	GN.PI	AB	AB	YE	26.7	7	-	-	-
892	120	168	26	17	2525	745	1780	0.30	5.79	1.29	79	GN.PI	AB	AB	YE	25.2	7	-	-	7
893	120	168	29	18	3620	1065	2555	0.29	5.56	1.30	79	GN.PI	AB	AB	YE	26.1	5	-	-	5
894	145	-	-	-	6623	1900	4723	0.29	6.03	1.37	80	GN.PI	AB	AB	YE	26.5	7	-	-	7
895	147	-	-	-	4725	1000	3725	0.21	4.41	1.57	80	GN	AB	AB	YE	28.5	7	-	-	-
896	151	-	-	-	4968	1295	3673	0.26	3.45	1.47	80	GN.PI	AB	AB	YE	24.9	7	5	-	-
897	141	-	-	-	4075	1200	2875	0.29	6.87	1.37	80	GN.PI	AB	AB	YE	26.5	7	-	-	5
898	145	-	-	-	5918	2075	3843	0.35	6.30	1.23	80	GN.PI	AB	AB	YE	25.8	7	-	-	7
899	145	-	-	-	4953	1478	3475	0.30	4.18	1.70	80	GN.PI	AB	AB	RD.YE	28.4	7	-	-	-
900	147	-	-	-	6430	1660	4770	0.26	6.79	1.14	80	GN.PI	AB	AB	YE	25.8	3	-	-	5
901	151	-	-	-	5595	1388	4207	0.25	3.52	1.67	80	PI	AB	AB	RD	27.7	7	9	-	-
902	151	-	-	-	5875	1440	4435	0.25	4.05	1.73	80	GN.PI	AB	AB	YE	28.4	7	7	-	-
903	145	-	-	-	5643	1293	4350	0.23	4.79	1.57	80	BN	AB	AB	YE	27.9	7	-	-	3
904	135	168	26	18	3105	735	2370	0.24	4.49	1.76	79	GN.PI	AB	AB	YE	27.2	7	-	-	-
905	135	168	25	15	2375	685	1690	0.29	3.62	1.43	79	BN	AB	AB	RD.YE	27.7	7	-	-	-
906	138	168	22	15	1515	360	1155	0.24	4.36	1.50	79	BN	AB	AB	YE	26.7	5	-	-	-
907	140	173	25	16	2905	665	2240	0.23	3.55	1.61	79	BN	AB	AB	RD.YE	28.5	7	-	-	-
908	140	173	26	14	3615	895	2720	0.25	3.14	1.67	79	GY	AB	AB	YE	27.1	7	-	-	-
909	140	173	25	14	3510	650	2860	0.19	3.63	1.57	80	BN	AB	AB	YE	27.6	7	-	-	-
910	140	173	23	16	3030	835	2100	-	-	-	-	-	AB	AB	YE	27.2	7	-	-	-

ILL	TiFl	TiHa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
911	147	179	27	18	6100	790	5310	0.13	3.57	1.80	80	PI	AB,SP	AB,GY	RD,YE	26.4	5	-	-	-
912	151	-	-	-	6155	1225	4930	0.20	3.11	1.17	80	GN,PI	AB	AB	YE	25.8	3	-	-	-
913	145	-	-	-	6930	1865	5065	0.27	3.87	1.34	80	GN,PI	AB	AB	YE	25.8	3	-	-	7
914	138	170	27	19	4650	1455	3195	0.31	3.92	1.37	79	GN,BN	MA	OL	YE	26.0	7	-	-	-
915	130	170	30	20	4900	1590	3310	0.32	5.63	1.00	79	GN,PI	AB	AB	YE	26.2	5	-	-	7
916	120	160	26	15	3150	1160	1990	0.37	4.14	1.50	79	BN	AB,DO	AB,GY	RD	24.9	7	-	-	-
917	138	-	-	-	5555	1758	3797	0.32	2.72	1.67	80	BN	AB,DO	AB,GY	RD,YE	-	7	-	-	-
918	135	-	-	-	5768	1215	4553	0.21	7.01	1.20	80	GN,PI	AB	AB	YE	24.9	3	5	-	-
919	147	-	-	-	5743	925	4818	0.16	8.51	1.03	80	GN,PI	AB	AB	YE	25.8	3	-	-	-
920	135	-	-	-	5765	2200	3565	0.38	5.91	1.00	80	GN,PI	AB	AB	YE	23.9	5	7	-	-
921	125	179	35	22	4985	-	-	-	7.40	1.00	79	GN,PI	AB	AB	YE	24.6	5	-	-	5
922	140	173	40	27	6280	1055	5225	0.17	3.54	1.43	80	BN	AB	AB	RD	24.7	7	-	-	-
923	147	179	25	20	4725	1030	3695	0.22	3.52	1.53	79	GN,BN	SP,MA	OL,BK	RD	25.5	7	7	-	-
924	138	173	38	24	4350	1125	3225	0.26	3.65	1.39	79	BN	AB,SP	AB,GY	YE	26.5	7	-	-	-
925	138	173	35	22	4050	1150	2900	0.28	3.52	1.33	79	BN	AB	AB	YE	27.5	7	-	-	-
926	138	173	36	20	5138	1515	3623	0.29	3.34	1.17	80	PI	AB,SP	AB,GY	RD	26.8	7	-	-	-
927	135	168	28	22	5265	1680	3585	0.32	4.27	1.47	79	GN,PI	AB	AB	YE	26.0	7	-	-	-
928	141	-	-	-	5253	1845	3408	0.35	4.87	1.47	80	PI	AB,SP	AB,GY	RD	26.6	7	7	-	-
929	158	-	-	-	6488	955	5533	0.15	3.62	1.43	80	GN,PI	AB	AB	YE	27.0	7	7	-	-
930	138	-	-	-	4725	1480	3245	0.31	4.38	1.43	80	GN,PI	AB,DO	AB,GY	RD,YE	26.1	7	5	-	-
931	151	-	-	-	4790	1478	3312	0.31	3.53	1.47	80	GY	AB,SP	AB,OL	YE	26.8	5	5	-	-
932	138	-	-	-	4800	1415	3385	0.29	3.89	1.60	80	GN,PI	AB,SP	AB,GY	RD,YE	25.2	5	7	-	-
933	151	-	-	-	4820	1318	3502	0.27	3.24	1.55	80	BN	AB,DO	AB,GY	RD	27.0	7	7	-	-
934	133	-	-	-	4510	1615	2895	0.36	4.54	1.60	80	BN	MA	BK	RD	24.9	7	-	-	5
935	151	-	-	-	3973	1108	2865	0.28	3.55	1.37	80	PI	AB,SP	AB,GY	RD	27.2	5	-	-	-
936	120	160	24	13	2215	745	1470	0.34	3.79	1.70	79	BN	DO	GY	RD	22.7	7	-	-	-
937	135	166	20	14	2205	660	1545	0.30	2.18	1.63	79	GN,PI	AB,DO	AB,GY	RD	27.5	7	-	-	-
938	147	173	23	14	2040	430	1610	0.21	3.17	1.60	79	BN	DO,MA	BK	RD	25.1	7	-	-	-
939	135	168	23	13	4463	1020	3443	0.23	4.04	1.70	80	GY	AB	AB	YE	27.4	5	-	-	-
940	135	168	26	15	2930	845	2085	0.29	3.34	1.57	79	GN,PI	DO	OL,GY	RD,YE	27.4	5	-	-	-
941	130	166	19	10	3110	1050	2060	0.34	2.84	1.87	79	BN	DO	GY	RD	25.5	7	-	-	-
942	135	166	27	17	3300	1090	2210	0.33	3.74	1.40	79	GN,PI	AB,DO	AB,OL	RD	27.8	7	-	-	-
943	130	166	19	10	3565	1315	2250	0.37	2.85	1.77	79	BN	DO	GY	RD	-	7	-	-	-
944	133	-	-	-	4975	1985	2990	0.40	2.09	1.20	8	-	-	-	-	-	7	5	-	-
945	120	166	30	17	3140	955	2185	0.30	3.74	1.73	79	BN	DO	GY	RD	24.7	7	-	-	-

ILL	TiFl	TiMa	Hgt	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
946	151	-	-	-	5293	1160	4133	0.22	3.89	1.70	80	GN.PI.GY	AB.DO	AB.GY	RD.YE	27.2	7	5	-	-
947	145	-	-	-	6230	2175	4055	0.35	6.02	1.20	80	GN.PI	AB	AB	YE	26.9	3	-	-	-
948	130	168	33	18	2650	660	1990	0.25	4.65	1.64	79	GN.PI	AB	AB	YE	27.3	7	-	-	3
949	138	-	-	-	5878	1890	3988	0.32	5.63	1.40	80	GN.PI	AB	AB	YE	27.4	5	-	-	7
950	135	-	-	-	7163	2770	4393	0.39	4.84	1.14	80	GN.PI	AB	AB	RD.YE	24.2	7	5	-	-
951	151	-	-	-	3450	845	2605	0.24	3.50	1.60	80	GN.PI	AB.DO	AB.GY	YE	27.2	7	9	-	-
952	133	-	-	-	5755	2018	3737	0.35	5.41	1.43	80	GN.PI	AB.SP	AB.GY	YE	23.2	5	-	-	7
953	135	-	-	-	5835	1955	3880	0.34	5.12	1.38	80	GN.PI	AB	AB	YE	26.9	5	-	-	7
954	140	168	26	14	2215	425	1790	0.19	3.24	1.47	79	GN	AB	AB	YE	26.9	5	-	-	-
955	140	168	24	16	1060	150	910	0.14	3.89	1.48	79	GN.PI	AB	AB	YE	27.3	5	-	-	-
956	151	-	-	-	4058	1033	3025	0.25	3.32	1.33	80	GN.PI	AB	AB	YE	26.9	5	9	-	-
957	125	160	30	19	3650	1245	2405	0.34	3.81	1.70	79	GN.PI	AB.SP	AB.OL	YE	24.0	5	-	-	-
958	138	170	28	18	2745	370	2375	0.13	3.42	1.23	79	GY	AB	AB	RD	27.0	7	-	-	-
959	130	168	30	20	4825	1255	3570	0.26	6.28	1.13	79	GN.PI	AB	AB	YE	25.5	5	-	-	7
960	138	170	28	16	3730	855	2875	0.23	3.90	1.57	79	GY	AB	AB	YE	28.7	5	-	-	-
961	147	173	28	19	4825	1018	3807	0.21	3.46	1.66	80	BN	MA	BK	YE	27	7	-	-	-
962	125	168	31	15	3755	840	2915	0.22	5.23	1.17	79	GN.PI	AB	AB	YE	-	7	-	-	7
963	145	-	-	-	4138	970	3168	0.23	5.50	1.07	80	PI	AB	AB	YE	26.8	7	-	-	9
964	133	-	-	-	5503	1865	3638	0.34	5.52	1.47	80	GN.PI	AB	AB	YE	25.0	5	-	-	7
965	151	-	-	-	5103	1080	4023	0.21	3.75	1.67	80	BN	AB	AB	RD	27.5	7	-	-	-
966	135	-	-	-	5278	1850	3428	0.35	5.68	1.17	80	GN.PI	AB	AB	YE	26.8	5	-	-	9
967	151	-	-	-	5790	1235	4555	0.21	4.31	1.56	80	GN.PI	AB	AB	YE	27.0	5	7	-	-
968	130	173	30	20	3165	700	2465	0.22	6.10	1.07	79	GN.PI	AB	AB	YE	24.0	7	-	-	5
969	135	173	28	15	3215	960	2255	0.30	4.07	1.67	79	GN.PI	AB	AB	YE	26.9	7	-	-	-
970	147	173	23	14	1910	370	1540	0.19	3.36	1.73	79	PI	AB.SP	AB.GY	RD	28.0	5	-	-	-
971	130	173	26	17	2755	575	2180	0.21	7.16	1.00	79	GN.PI	AB	AB	YE	27.6	7	-	-	7
972	138	179	25	16	1900	380	1520	0.20	3.21	1.73	79	PI	AB	AB	RD	26.9	7	-	-	-
973	143	179	20	14	4893	1123	3770	0.23	2.23	1.23	80	BN	AB	AB	RD.YE	27.6	7	-	-	-
974	145	-	-	-	4273	1020	3253	0.24	5.19	1.13	80	GN.PI	AB	AB	YE	26.2	5	-	-	7
975	133	-	-	-	5903	2038	3865	0.35	4.28	1.43	80	GN.PI	AB	AB	YE	24.0	3	-	-	-
976	138	-	-	-	4350	1413	2937	0.32	5.99	1.30	80	BN	AB	AB	YE	-	3	-	-	7
977	130	179	31	17	2955	-	-	-	6.94	-	79	GN.PI	AB	AB	YE	25.9	5	-	-	-
978	130	169	27	18	3765	905	2860	0.24	6.32	1.40	79	GN.PI	AB	AB	YE	27.1	3	-	-	7
979	130	170	27	19	4605	1125	3480	0.24	6.70	1.21	79	GN.PI	AB	AB	YE	26.8	5	-	-	9
980	130	173	27	20	3890	-	-	-	6.95	1.10	79	GN.PI	AB	AB	YE	26.9	7	-	-	7

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProX	CS	OS79	OS80	OS81
981	130	173	28	20	3595	-	-	-	7.18	1.03	79	GN.PI	AB	AB	YE	26.4	7	-	-	5
982	130	173	29	20	3480	775	2705	0.22	6.34	1.13	79	PI	AB	AB	YE	27.4	3	-	-	9
983	145	-	-	-	-	1265	-	-	6.43	1.10	80	GN.PI	AB.SP	AB.GY	YE	25.4	3	-	-	9
984	151	-	-	-	5225	748	4477	0.14	3.87	1.73	80	BN	AB	AB	RD	27.2	7	-	-	-
985	-	-	-	-	-	-	-	-	-	-	-	GN.PI	AB	AB	YE	27.3	-	-	-	-
986	138	-	-	-	5050	1693	3357	0.34	6.69	1.03	80	PI	AB	AB	YE	25.7	5	-	-	9
987	151	-	-	-	5655	1260	4395	0.22	3.59	1.53	80	BN	AB	AB	RD	27.3	5	-	-	-
988	135	-	-	-	5138	1615	3523	0.31	7.54	1.07	80	GN.PI	AB	AB	YE	26.8	7	-	-	7
989	130	172	29	15	1947	737	1210	0.38	4.48	1.50	82	GN.PI	AB	AB	YE	-	-	-	-	-
990	133	-	-	-	5148	1150	3998	0.22	3.91	1.45	80	GN.PI	AB	AB	YE	26.5	5	-	-	-
991	135	-	-	-	4238	1480	2758	0.35	5.70	1.13	80	PI	AB	AB	YE	26.6	5	5	-	-
992	138	-	-	-	3938	1395	2543	0.35	7.51	1.03	80	GN.PI	AB	AB	YE	26.9	3	-	-	7
993	130	169	35	26	4545	1175	3370	0.26	6.69	-	79	GN.PI	AB	AB	YE	26.7	3	-	-	-
994	143	173	26	17	3390	1035	2355	0.31	3.19	1.37	79	BN	AB	AB	RD	-	7	-	-	-
995	138	173	25	15	3775	1035	2740	0.27	3.89	1.47	79	GN.PI	AB	AB	RD.YE	27.8	5	-	-	-
996	138	-	-	-	3263	1030	2233	0.32	5.27	1.06	80	GN.PI	AB	AB	YE	-	5	-	-	5
997	135	169	31	22	5295	1805	3490	0.34	5.10	1.40	79	GN.PI	AB	AB	YE	26.4	7	-	-	5
998	130	168	33	22	4720	1160	3560	0.25	6.41	1.20	79	PI	AB	AB	YE	24.6	5	-	-	7
999	130	173	37	21	4230	-	-	-	6.85	1.17	79	GN.PI	AB	AB	YE	27.8	5	-	-	5
1000	141	-	-	-	3660	1590	2070	0.43	7.09	1.04	80	GN.PI	AB	AB	YE	27.0	5	-	-	-
1001	141	-	-	-	3585	1168	2417	0.33	7.13	1.00	80	PI	AB	AB	YE	27.0	5	7	-	-
1002	141	-	-	-	4288	915	3373	0.21	6.68	1.20	80	GN.PI	AB	AB	YE	25.9	3	-	-	7
1003	130	173	31	20	3140	-	-	-	6.00	-	79	BN	AB	AB	YE	27.8	5	-	-	-
1004	130	173	26	20	3105	840	2265	0.27	4.41	1.57	79	GN.PI	AB.SP	AB.OL	YE	27.8	5	-	-	-
1005	130	173	20	23	3295	-	-	-	7.00	1.00	79	PI	AB	AB	YE	26.1	7	-	-	5
1006	130	179	31	21	3670	-	-	-	7.27	-	79	PI	AB	AB	YE	27.1	5	-	-	-
1007	130	173	27	18	3860	1245	2615	0.32	4.55	1.57	79	PI	AB	AB	YE	27.0	5	-	-	7
1008	140	179	25	17	3290	975	2315	0.30	3.86	1.64	79	GN	AB	AB	YE	26.9	5	-	-	-
1009	138	179	30	18	3940	1155	2785	0.29	4.82	1.60	79	GN.PI	AB	AB	YE	25.6	7	-	-	3
1010	138	173	25	16	4035	908	3127	0.23	3.73	1.57	80	GN.PI	AB	AB	YE	27.4	7	-	-	-
1011	130	173	29	21	3875	905	2970	0.23	5.23	1.33	79	PI	AB	AB	YE	27.5	5	-	-	5
1012	130	168	30	23	3785	985	2800	0.26	6.48	1.30	79	PI	AB	AB	YE	26.8	5	-	-	7
1013	147	173	27	22	3235	750	2485	0.23	3.43	1.43	79	GN.PI	AB.SP	AB.OL	RD.YE	26.2	7	-	-	-
1014	130	168	29	20	3975	1060	2915	0.27	6.32	1.17	79	GN.PI	AB	AB	YE	24.6	5	-	-	5
1015	130	179	31	19	2825	465	2360	0.16	4.92	1.37	79	GN.PI	AB	AB	YE	26.5	5	-	-	5

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
1016	151	-	-	-	5020	1090	3930	0.22	3.50	1.67	80	GN.PI	AB	AB	RD.YE	27.1	7	7	-	-
1017	141	-	-	-	5548	1570	3978	0.28	6.20	1.33	80	PI	AB	AB	YE	24.6	5	7	-	-
1018	135	-	-	-	5378	1720	3658	0.32	5.91	1.55	80	PI	AB	AB	YE	25.6	7	-	-	7
1019	151	-	-	-	5505	-	-	-	4.42	1.23	80	GN.PI	AB	AB	YE	27.0	7	-	-	-
1020	145	-	-	-	5433	1615	3818	0.30	6.92	1.07	80	GN.PI	AB	AB	YE	24.7	7	-	-	5
1021	145	-	-	-	4030	1410	2620	0.35	6.89	1.23	80	GN.PI	AB	AB	YE	24.2	3	-	-	5
1022	141	-	-	-	3848	1110	2738	0.29	5.61	1.40	80	GN.PI	AB	AB	YE	25.0	5	-	-	3
1023	138	-	-	-	5013	1530	3483	0.31	5.25	1.63	80	GN.PI	AB	AB	YE	26.2	5	-	-	7
1024	141	-	-	-	4403	1303	3100	0.30	5.12	1.33	80	GN.PI	AB	AB	YE	26.0	5	-	-	3
1025	147	-	-	-	4153	1000	3153	0.24	5.77	1.13	80	GN.PI	AB	AB	YE	24.8	5	-	-	5
1026	130	173	30	17	3085	-	-	-	5.80	1.07	79	PI	AB	AB	YE	26.1	5	-	-	-
1027	130	173	29	20	3115	-	-	-	6.38	1.10	79	GN.PI	AB	AB	YE	24.8	5	-	-	7
1028	140	173	24	16	2910	680	2230	0.23	4.02	1.43	79	GY	AB	AB	YE	26.2	5	-	-	-
1029	140	173	22	13	2730	790	1940	0.29	4.14	1.40	79	GY	AB	AB	YE	26.3	7	-	-	-
1030	151	-	-	-	4700	1170	3530	0.25	3.97	1.43	80	GY	AB	AB	YE	-	7	-	-	-
1031	147	-	-	-	4488	1150	3338	0.26	4.04	1.57	80	GN.PI	AB	AB	RD.YE	27.3	5	-	-	-
1032	133	-	-	-	3340	1690	1650	0.51	3.20	1.63	80	GN	AB	AB	YE	28.2	7	5	-	-
1033	151	-	-	-	2873	630	2243	0.22	3.37	1.67	80	BN	AB	AB	RD	27.4	7	-	-	-
1034	151	-	-	-	3770	810	2960	0.21	3.83	1.63	80	BN	AB	AB	RD	27.3	7	-	-	-
1035	140	179	22	14	2305	610	1695	0.26	3.94	1.63	79	BN	AB	AB	YE	26.8	7	-	-	-
1036	135	-	-	-	6030	1345	4685	0.22	5.70	1.10	80	PI	AB	AB	YE	25.0	5	-	-	7
1037	141	-	-	-	4143	1125	3018	0.27	5.64	1.30	80	PI	AB	AB	YE	25.9	7	-	-	5
1038	151	-	-	-	5095	1065	4030	0.21	5.37	1.07	80	GN.PI	AB	AB	YE	26.2	7	-	-	7
1039	138	173	34	21	4718	665	4053	0.14	3.24	1.77	80	BN	AB	AB	RD	26.1	5	-	-	-
1040	130	168	31	23	70	1295	4466	0.29	6.06	1.17	79	GN.PI	AB	AB	YE	25.3	7	-	-	7
1041	130	173	30	21	2970	850	2120	0.29	5.61	1.17	79	GN.PI	AB	AB	YE	27.9	7	-	-	5
1042	120	168	29	18	4580	1530	3050	0.33	5.26	1.00	79	GN.PI	AB	AB	YE	23.2	5	-	-	7
1043	133	-	-	-	5188	1955	3233	0.38	5.32	1.07	80	GN.PI	AB	AB	YE	23.3	7	5	-	-
1044	151	-	-	-	4183	918	3265	0.22	4.43	1.53	80	PI	AB	AB	RD	27.7	7	-	-	-
1045	151	-	-	-	4583	795	3788	0.17	3.87	1.73	80	PI	AB	AB	RD	26.9	7	5	-	-
1046	154	-	-	-	4553	660	3893	0.14	3.47	1.57	80	PI	AB	AB	RD	25.8	7	-	-	-
1047	145	-	-	-	4370	1138	3232	0.26	3.26	1.63	80	PI	DO.SP	GY	RD	26.8	-	9	-	-
1048	151	-	-	-	4130	1128	3002	0.27	4.34	1.30	80	PI.GY	AB	AB	RD.YE	25.4	7	-	-	-
1049	151	-	-	-	4000	978	3022	0.24	4.13	1.53	80	BN	AB	AB	YE	26.4	7	-	-	-
1050	147	-	-	-	6453	1875	4578	0.29	6.98	1.20	80	GN.PI	AB	AB	YE	25.3	5	-	-	5

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
1051	147	-	-	-	8050	1875	6175	0.23	6.27	1.17	80	GN.PI	AB	AB	YE	25.7	5	-	-	7
1052	145	-	-	-	6915	2050	4865	0.30	5.61	1.13	80	PI	AB	AB	YE	24.1	5	-	-	5
1053	115	165	23	13	2660	995	1665	0.37	3.62	1.67	79	GN.BK	AB.DO	AB.OL	RD.YE	23.7	7	-	-	-
1054	138	168	27	12	3140	1060	2080	0.34	3.10	1.63	79	PI	AB.DO	AB.GY	RD	26.6	7	-	-	-
1055	138	173	26	14	4885	1115	3770	0.23	3.30	1.70	80	BN	AB.DO	AB.GY	RD	26.1	7	-	-	-
1056	130	173	30	18	3630	1025	2605	0.28	4.99	1.38	79	GN.PI	AB	AB	YE	24.1	5	-	-	3
1057	125	173	24	16	3695	1063	2632	0.29	3.85	1.26	80	BN	AB.SP	AB.GY	RD	24.8	7	-	-	-
1058	154	-	-	-	5108	1238	3870	0.24	3.59	1.43	80	BN	AB.SP	AB.BK	RD	-	5	-	-	-
1059	141	-	-	-	6843	2223	4620	0.32	5.45	1.23	80	GN	AB	AB	YE	24.4	5	-	-	5
1060	145	173	26	15	2305	445	1860	0.19	3.04	1.70	79	PI	AB	AB	YE	26.9	7	-	-	-
1061	135	179	30	18	4130	880	3250	0.21	5.10	1.43	79	GN.PI	AB	AB	YE	26.6	7	-	-	7
1062	143	179	29	17	5008	1305	3703	0.26	3.63	1.27	80	GN.PI	AB.DO	AB.OL	YE	27.8	7	-	-	-
1063	125	169	31	17	4150	1310	2840	0.32	5.44	1.20	79	GN.PI	AB	AB	YE	25.8	5	-	-	7
1064	140	173	30	16	3125	850	2275	0.27	3.94	1.77	79	GY	AB	AB	YE	26.4	7	-	-	-
1065	151	-	-	-	4038	728	3310	0.18	3.86	1.47	80	BN	AB	AB	RD.YE	26.0	7	-	-	-
1066	145	-	-	-	3098	810	2288	0.26	3.68	1.43	80	BN	AB	AB	YE	-	7	-	-	-
1067	135	-	-	-	6118	2145	3973	0.35	4.13	1.40	80	GN.PI	AB	AB	YE	22.1	7	-	-	-
1068	138	-	-	-	5020	1660	3360	0.33	3.79	1.72	80	PI	AB	AB	RD	26.5	7	-	-	-
1069	140	179	28	22	3900	1135	2765	0.29	3.57	1.50	79	BN	AB	AB	RD.YE	28.2	7	-	-	-
1070	143	179	27	21	3065	840	2225	0.27	3.50	1.67	79	BN	AB	AB	RD.YE	25.1	7	-	-	-
1071	135	168	30	18	3665	1115	2550	0.30	3.66	1.60	79	GN.PI	AB	AB	YE	26.6	7	-	-	-
1072	138	173	28	19	4103	1183	2920	0.29	3.78	1.50	80	GN.PI	AB	AB	RD.YE	27.1	5	-	-	-
1073	138	179	30	16	2355	490	1865	0.21	2.79	1.43	79	GN.PI	AB	AB	RD.YE	27.1	5	-	-	-
1074	138	173	26	17	2050	565	1485	0.28	2.48	1.53	79	GN	AB	AB	YE	26.9	5	-	-	-
1075	147	173	26	17	2688	725	1963	0.27	2.04	1.53	80	BN	AB	AB	RD	25.1	5	-	-	-
1076	143	179	24	16	2208	493	1715	0.22	2.48	1.60	80	GN	AB	AB	RD.YE	26.5	7	-	-	-
1077	140	173	21	14	2040	460	1580	0.23	2.32	1.50	79	PI	AB	AB	RD.YE	26.9	5	-	-	-
1078	138	179	21	12	2350	625	1725	0.27	2.55	1.30	79	GN	AB	AB	RD.YE	27.2	5	-	-	-
1079	151	-	-	-	2045	565	1480	0.28	2.29	1.60	80	GN.PI	AB	AB	RD.YE	27.5	5	-	-	-
1080	151	-	-	-	2100	470	1630	0.22	2.91	1.93	80	GN.PI	AB	AB	YE	26.6	5	-	-	-
1081	151	-	-	-	3153	775	2378	0.25	3.00	1.25	80	GN.PI	AB	AB	RD.YE	25.5	3	-	-	-
1082	154	-	-	-	2375	600	1775	0.25	2.74	1.71	80	GN	AB	AB	YE	25.5	5	-	-	-
1083	154	-	-	-	4040	1053	2987	0.26	3.21	1.60	80	PI	AB	AB	RD	26.6	3	-	-	-
1084	143	179	24	15	4108	980	3128	0.24	2.84	1.70	80	GN	AB	AB	YE	27.6	7	-	-	-
1085	145	179	23	17	2980	573	2407	0.19	2.14	1.83	80	GN.PI	MA	GY	RD	27.8	5	-	-	-

ILL	TiFi	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
1086	140	168	24	12	2730	475	2255	0.17	2.40	1.82	79	GN	AB	AB	YE	27.4	5	-	-	-
1087	138	168	23	15	2330	1050	1280	0.45	2.71	1.67	80	PI	AB	AB	YE	27.7	5	-	-	-
1088	140	173	33	26	3195	795	2400	0.25	1.95	1.30	79	GN.PI	AB	AB	YE	27.2	7	-	-	-
1089	130	173	30	18	3965	1178	2787	0.30	4.19	1.50	80	PI	AB	AB	YE	25.8	3	-	-	-
1090	138	173	24	16	2675	725	1950	0.27	2.66	1.20	79	GN.PI	AB	AB	YE	26.8	7	-	-	-
1091	140	173	22	14	1995	440	1555	0.22	2.46	1.53	79	GN	AB	AB	YE	27.3	7	-	-	-
1092	135	168	23	13	2345	565	1780	0.24	2.47	1.40	79	GN.PI	AB	AB	YE	26.5	7	-	-	-
1093	151	-	-	-	3733	870	2863	0.23	2.89	1.70	80	PI.GY	AB	AB	RD.YE	26.8	5	-	-	-
1094	141	-	-	-	5818	1900	3918	0.33	5.51	1.17	80	PI	AB	AB	YE	24.5	5	-	5	-
1095	151	-	-	-	3583	813	2770	0.23	4.20	1.33	80	GN.PI	AB	AB	YE	26.1	5	-	-	-
1096	151	-	-	-	2853	765	2088	0.27	3.11	1.57	80	GN.PI	AB	AB	YE	25.7	5	-	-	-
1097	151	-	-	-	2750	738	2012	0.27	2.60	1.37	80	GN	AB	AB	YE	27.4	5	-	-	-
1098	151	-	-	-	3900	1053	2847	0.27	2.77	1.43	80	GN.PI	AB	AB	YE	26.9	7	-	-	-
1099	151	-	-	-	3953	1145	2808	0.29	3.15	1.57	80	GN.PI	AB	AB	YE	27.1	7	-	-	-
1100	151	-	-	-	3015	690	2325	0.23	2.29	1.80	80	GN	AB	AB	YE	27.0	5	-	-	-
1101	151	-	-	-	2130	590	1540	0.28	2.07	1.47	80	BN	MA	OL	YE	-	7	-	-	-
1102	140	173	26	14	1425	335	1290	0.21	2.68	1.33	79	GN.PI	AB	AB	YE	26.8	7	-	-	-
1103	138	168	25	12	2185	350	1835	0.16	2.37	1.33	79	GN.PI	AB	AB	YE	-	5	-	-	-
1104	135	168	29	13	2875	650	2225	0.23	2.27	1.57	79	GN	AB	AB	YE	-	7	-	-	-
1105	130	160	30	16	3335	810	2525	0.24	2.03	1.20	79	GN.PI	AB	AB	RD.YE	-	5	-	-	-
1106	135	166	26	14	2560	645	1915	0.25	2.40	1.28	79	GN.PI	AB	AB	YE	-	7	-	-	-
1107	150	185	26	15	2475	225	2250	0.09	2.74	1.63	79	PI	AB	AB	RD.YE	-	7	-	-	-
1108	138	173	28	18	2140	410	1730	0.19	2.35	1.47	79	GN.PI	AB	AB	YE	-	7	-	-	-
1109	140	179	26	18	1630	260	1370	0.16	2.33	1.50	79	GN.PI	AB	AB	RD.YE	26.1	7	-	-	-
1110	151	-	-	-	2383	575	1808	0.24	2.48	1.72	80	BN	MA	BK	RD.YE	-	5	-	-	-
1111	151	-	-	-	3125	688	2437	0.22	2.89	1.80	80	GN.PI	AB	AB	YE	27.1	5	-	-	-
1112	151	-	-	-	2840	670	2170	0.24	2.34	1.73	80	GN.PI	AB	AB	RD.YE	26.5	5	-	-	-
1113	151	-	-	-	1820	433	1387	0.24	2.33	1.37	80	GN.PI	AB	AB	RD.YE	26.9	7	-	-	-
1114	151	-	-	-	2588	685	1903	0.26	2.78	1.77	80	GN.PI	AB	AB	RD.YE	26.1	7	-	-	-
1115	151	-	-	-	2973	675	2298	0.23	2.55	1.53	80	GN.PI	AB	AB	YE	-	7	-	-	-
1116	151	-	-	-	2288	498	1790	0.22	2.55	1.50	80	GN.PI	AB	AB	YE	27.1	7	9	-	-
1117	151	-	-	-	2465	405	2060	0.16	2.87	1.69	80	GN	AB	AB	YE	27.3	5	-	-	-
1118	130	179	24	16	3175	808	2367	0.25	2.67	1.63	80	GN.PI	AB	AB	RD.YE	28.3	7	-	-	-
1119	135	179	25	16	4090	1035	3055	0.25	2.91	1.63	80	PI	AB	AB	YE	27.2	7	-	-	-
1120	135	179	25	14	4128	3015	1113	0.73	3.08	1.59	80	PI	AB	AB	YE	26.9	7	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
1121	130	179	28	20	4013	743	3270	0.19	3.29	1.60	80	PI	AB	AB	YE	26.9	7	-	-	-
1122	130	168	21	11	1845	525	1320	0.28	2.72	1.57	79	GN.PI	AB	AB	YE	27.1	5	-	-	-
1123	140	179	23	14	2155	460	1695	0.21	2.82	1.67	79	PI	AB	AB	YE	26.3	5	-	-	-
1124	152	185	21	17	2190	525	1665	0.24	2.48	1.63	79	PI	AB	AB	RD.YE	26.7	5	-	-	-
1125	150	185	23	14	1530	160	1370	0.10	2.41	-	79	PI	AB	AB	RD	27.6	7	-	-	-
1126	140	179	23	15	4435	870	3565	0.20	2.36	1.37	80	GN.PI	AB	AB	YE	-	7	-	-	-
1127	151	-	-	-	4398	650	3748	0.15	3.00	1.73	80	PI	AB	AB	RD.YE	26.1	5	-	-	-
1128	151	-	-	-	3835	655	3180	0.17	2.56	1.50	80	PI	AB	AB	RD.YE	26.8	7	-	-	-
1129	151	-	-	-	4975	1143	3832	0.23	3.47	1.57	80	GN.PI	AB	AB	YE	29.2	7	-	-	-
1130	151	-	-	-	4063	675	3388	0.17	2.96	1.50	80	BN	AB	AB	YE	26.5	7	-	-	-
1131	147	-	-	-	3895	783	3112	0.20	3.11	1.43	80	BN	AB	AB	YE	26.0	7	-	-	-
1132	135	179	29	18	3965	795	3170	0.20	3.74	1.40	79	GN.PI	AB	AB	YE	28.0	5	-	-	-
1133	138	173	21	17	1615	380	1235	0.24	2.61	1.67	79	GN.PI	AB	AB	RD.YE	26.9	7	-	-	-
1134	145	179	24	12	3043	475	2568	0.16	2.81	1.40	80	GY	AB	AB	YE	26.0	7	-	-	-
1135	140	179	25	13	1980	445	1535	0.22	2.51	1.50	79	PI	DO	GY	YE	25.5	7	-	-	-
1136	130	160	29	13	3945	1320	2625	0.33	2.67	1.63	79	BN	DO.SP	GY	RD	27.8	7	7	-	-
1137	135	168	30	15	4135	1290	2845	0.31	2.57	1.67	79	GN.PI	MA	OL	RD.YE	28.6	5	7	-	-
1138	130	165	30	13	5490	1970	3520	0.36	3.50	1.17	79	PI	DO.SP	GY	RD	27.4	5	-	-	-
1139	130	173	29	19	4300	1250	3050	0.29	4.42	1.47	79	GN.PI	AB	AB	YE	26.3	5	5	-	-
1140	135	173	31	17	4360	1235	3125	0.28	3.00	1.73	79	BN	DO.SP	BK	RD	27.5	5	-	-	-
1141	140	173	40	20	4040	1160	2880	0.29	2.60	1.67	79	PI	AB.SP	AB.BK	RD	23.4	5	-	-	-
1142	138	-	-	-	5243	1603	3640	0.31	3.21	1.33	80	GN.PI	DO	OL	RD	27.1	7	-	-	-
1143	145	-	-	-	4525	1295	3230	0.29	3.03	1.40	80	PI	SP	BK	RD	28.5	3	7	-	-
1144	147	-	-	-	3993	980	3013	0.25	2.83	1.77	80	GN.PI	AB.SP	GY	RD	26.3	5	9	-	-
1145	145	-	-	-	3353	1135	2218	0.34	2.37	1.77	80	PI	DO	GY	RD	28.0	5	-	-	-
1146	142	-	-	-	4505	1618	2887	0.36	3.33	1.59	80	PI	DO	GY	RD	28.5	5	7	-	-
1147	142	-	-	-	2965	970	1995	0.33	2.78	1.53	80	PI	DO	GY	RD	26.4	5	9	-	-
1148	130	168	25	15	4440	1520	2920	0.34	3.00	1.70	79	PI	AB	AB	YE	24.6	7	-	-	-
1149	130	173	27	17	2700	845	1855	0.31	3.36	1.53	79	GN.PI	AB	AB	YE	26.8	7	-	-	-
1150	145	-	-	-	6138	1918	4220	0.31	4.55	1.33	80	GN.PI	AB	AB	YE	26.9	5	7	-	-
1151	130	173	28	14	2780	1095	1685	0.39	4.52	1.27	79	GN.PI	AB	AB	YE	26.6	5	-	5	-
1152	130	173	23	16	2815	1210	1605	0.43	4.22	1.30	79	PI	AB	AB	YE	26.0	7	-	-	-
1153	145	-	-	-	4818	1333	3485	0.28	4.72	1.57	80	GN.PI	AB	AB	YE	26.9	5	7	-	-
1154	148	-	-	-	4968	1520	3448	0.31	4.58	1.13	80	PI	AB	AB	YE	26.7	5	7	-	-
1155	125	173	26	19	2665	-	-	-	4.64	1.53	79	PI	AB	AB	YE	25.7	7	-	-	5

ILL	TiFl	TiMa	Hdt	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
1156	125	173	28	17	3723	1118	2605	0.30	4.46	1.50	80	PI	AB	AB	YE	26.3	5	-	-	-
1157	125	168	26	15	3450	1195	2255	0.35	4.12	1.50	79	PI	AB	AB	YE	26.0	5	-	-	-
1158	125	173	28	16	3540	1150	2390	0.32	4.53	1.70	79	GN.PI	AB	AB	YE	26.3	5	-	-	7
1159	130	168	27	15	3080	1060	2020	0.34	3.13	1.60	79	BN	DD	GY	RD	26.2	7	-	-	-
1160	151	-	-	-	3493	1090	2403	0.31	4.33	1.60	80	PI	AB	AB	YE	26.6	5	9	-	-
1161	151	-	-	-	5233	1355	3878	0.26	3.80	1.72	80	BN	AB	AB	YE	26.2	7	-	-	-
1162	145	-	-	-	6630	2025	4605	0.31	4.68	1.40	80	GN.PI	AB	AB	YE	28.7	5	-	-	7
1163	145	-	-	-	6033	1795	4238	0.30	4.52	1.55	80	GN.PI	AB	AB	YE	27.6	5	9	-	-
1164	151	-	-	-	4133	1010	3123	0.24	4.06	1.57	80	PI	AB	AB	YE	24.8	5	-	-	-
1165	145	-	-	-	6283	1985	4298	0.32	4.89	1.50	80	PI	AB	AB	YE	27.4	5	-	-	3
1166	145	-	-	-	5978	1850	4128	0.31	5.01	1.70	80	GN.PI	AB	AB	YE	26.7	5	-	-	9
1167	145	-	-	-	4270	1213	3057	0.28	4.39	1.47	80	GN.PI	AB	AB	YE	26.3	7	9	-	-
1168	145	-	-	-	3493	693	2800	0.20	4.10	1.23	80	BN	AB	AB	YE	25.4	5	-	-	-
1169	145	-	-	-	7840	2295	5545	0.29	5.80	1.57	80	PI	AB	AB	YE	25.0	5	-	-	5
1170	151	-	-	-	3660	900	2760	0.25	3.77	1.63	80	GN.PI	AB	AB	YE	29.0	7	9	-	-
1171	120	168	30	17	3175	715	2460	0.23	3.24	1.73	79	PI	AB	AB	YE	26.4	7	-	-	-
1172	125	168	26	13	6700	160	6540	0.02	2.93	1.37	79	PI	AB	AB	YE	26.7	7	-	-	-
1173	130	173	26	13	5510	2260	3250	0.41	3.01	1.22	80	PI	AB	AB	YE	23.2	5	-	-	-
1174	145	-	-	-	3370	1143	2227	0.34	3.52	1.39	80	PI	AB	AB	YE	25.7	5	-	-	-
1175	142	-	-	-	4508	1395	3113	0.31	3.81	1.43	80	GN.PI	AB	AB	YE	25.2	5	9	-	-
1176	135	-	-	-	6685	2238	4447	0.33	3.89	1.20	80	GN.PI	AB	AB	YE	-	5	5	-	-
1177	147	-	-	-	6508	1820	4688	0.28	4.52	1.47	80	GN.PI	AB	AB	YE	27.6	5	-	-	3
1178	147	-	-	-	3713	993	2720	0.27	4.17	1.43	80	GN.PI	AB	AB	YE	26.9	5	9	-	-
1179	141	-	-	-	6410	2150	4260	0.34	4.92	1.83	80	PI	AB	AB	YE	24.9	5	7	-	-
1180	145	-	-	-	5493	1678	3815	0.31	4.61	1.40	80	GN.PI	AB	AB	YE	25.0	7	5	-	-
1181	145	-	-	-	4478	1163	3315	0.26	5.21	1.69	80	GN.PI	AB	AB	YE	25.9	5	9	-	-
1182	151	-	-	-	4058	1118	2940	0.28	4.48	1.17	80	GN.PI	AB	AB	YE	26.6	5	5	-	-
1183	130	179	26	12	2965	930	2035	0.31	3.87	1.34	79	PI	AB	AB	YE	26.6	5	-	-	-
1184	130	168	26	13	3435	1085	2350	0.32	4.55	1.37	79	GN.PI	AB	AB	YE	27.8	5	-	-	3
1185	151	-	-	-	2948	515	2433	0.17	4.34	1.60	80	PI	AB	AB	YE	25.4	5	-	-	-
1186	130	173	28	13	3360	-	-	-	5.05	1.23	79	PI	AB	AB	YE	25.5	5	-	-	5
1187	147	179	27	14	3465	750	2715	0.22	2.30	1.77	79	PI	AB	AB	RD	27.7	7	-	-	-
1188	145	-	-	-	5675	1465	4210	0.26	5.56	1.50	80	GN.PI	AB	AB	YE	27.0	3	-	-	9
1189	147	-	-	-	5238	1555	3683	0.30	5.68	1.17	80	GN.PI	AB	AB	YE	24.6	3	5	-	-
1190	151	-	-	-	6568	1495	5073	0.23	5.87	1.30	80	GN.PI	AB	AB	YE	25.7	5	5	-	-

ILL	TIF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
1191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1192	154	-	-	-	3880	1055	2825	0.27	4.00	1.53	80	BN	AB	AB	YE	25.4	7	7	-	-
1193	145	-	-	-	-	1410	-	-	6.17	1.60	80	GN.PI	AB	AB	YE	25.6	5	-	-	3
1194	151	-	-	-	5150	1345	3805	0.26	3.54	1.20	80	PI	AB	AB	YE	28.2	7	5	-	-
1195	147	-	-	-	6155	1725	4430	0.28	4.83	1.33	80	GN.PI	AB	AB	YE	25.3	5	9	-	-
1196	138	-	-	-	6060	1895	4165	0.31	5.09	1.43	80	GN.PI	AB	AB	YE	26.0	3	-	-	5
1197	151	-	-	-	6178	1695	4483	0.27	5.58	1.43	80	GN.PI	AB	AB	YE	25.8	3	7	-	-
1198	151	-	-	-	4818	1320	3498	0.27	3.64	1.53	80	GN.PI	AB	AB	YE	25.6	5	9	-	-
1199	130	179	28	15	4245	1285	2960	0.30	3.78	1.53	80	GN.PI	AB	AB	YE	27.6	3	-	-	-
1200	135	173	30	16	3585	1890	1695	0.53	4.69	1.40	79	GN.PI	AB	AB	YE	25.1	5	-	-	3
1201	135	173	31	17	3515	-	-	-	4.57	1.47	79	GN.PI	AB	AB	YE	25.2	3	-	-	3
1202	130	173	28	15	3150	890	2260	0.28	4.11	1.21	79	PI	AB	AB	YE	26.1	5	-	-	-
1203	130	173	30	14	2775	730	2045	0.26	3.67	1.43	79	BN	AB	AB	YE	25.7	5	-	-	-
1204	140	173	25	15	4210	988	3222	0.23	2.75	1.83	80	GN.PI	AB	AB	YE	25.8	5	-	-	-
1205	140	173	20	12	1940	550	1390	0.28	3.15	1.37	79	GY	AB	AB	YE	27.4	5	-	-	-
1206	140	179	29	15	3525	865	2660	0.25	3.74	1.47	80	GN.PI	AB	AB	YE	27.8	5	-	-	-
1207	135	173	25	12	2268	595	1673	0.26	3.64	1.50	80	GN.PI	AB	AB	YE	25.6	3	-	-	-
1208	140	173	26	15	2545	680	1865	0.27	2.28	1.47	79	PI	DO	GY	RD	27.4	5	-	-	-
1209	135	173	26	13	2690	825	1865	0.31	3.48	1.73	79	GN.PI	AB	AB	YE	25.9	5	-	-	-
1210	135	179	30	17	4283	1203	3080	0.28	4.46	1.53	80	GN.PI	AB	AB	YE	26.7	5	-	-	-
1211	120	168	28	17	3530	1075	2455	0.30	3.95	1.21	79	GN.PI	AB	AB	YE	24.3	5	-	-	-
1212	135	173	25	12	4838	1323	3515	0.27	3.18	1.80	80	PI	AB	AB	YE	25.3	7	-	-	-
1213	135	168	25	12	2300	630	1670	0.27	2.46	1.63	79	GN	AB	AB	YE	26.1	5	-	-	-
1214	138	173	24	11	2180	615	1565	0.28	3.55	1.60	79	GN.PI	AB	AB	YE	25.9	5	-	-	-
1215	151	-	-	-	5443	1340	4103	0.25	4.84	1.43	80	GN.PI	AB	AB	YE	26.6	3	9	-	-
1216	130	168	30	12	3660	-	-	-	4.90	1.13	79	GN.PI	AB	AB	YE	-	7	-	-	5
1217	138	169	29	14	3395	1020	2375	0.30	3.04	1.70	79	PI	AB	AB	YE	26.1	5	-	-	-
1218	135	169	29	15	4130	1145	2985	0.28	3.60	1.31	79	GN.PI	AB	AB	YE	25.8	5	-	-	-
1219	145	179	27	16	4230	1055	3175	0.25	3.23	1.64	79	BN	AB	AB	YE	26.1	5	-	-	-
1220	138	179	31	19	3855	680	3175	0.18	3.57	1.17	79	BN	AB	AB	YE	25.6	7	-	-	-
1221	130	168	30	17	2995	-	-	-	5.44	1.20	79	GN.PI	AB	AB	YE	25.1	5	-	-	7
1222	135	168	27	15	2685	635	2050	0.24	3.62	1.40	79	PI	AB	AB	YE	26.3	3	-	-	-
1223	130	179	27	14	2455	560	1895	0.23	4.21	1.38	79	GN.PI	AB	AB	YE	26.1	5	-	-	-
1224	130	179	34	15	2895	755	2140	0.26	4.45	-	79	GN.PI	AB	AB	YE	27.8	5	-	-	-
1225	135	179	27	14	3555	1075	2480	0.30	4.30	1.37	79	BN	AB	AB	YE	25.9	5	-	-	-

ILL	TiFI	TiHa	Hst	LPH	BiYd	SdYd	StYd	HI	100SH	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	ColCol	ProZ	CS	OS79	OS80	OS81
1226	151	-	-	-	4380	1070	3310	0.24	3.86	1.53	80	PI	AB	AB	YE	27.9	7	-	-	-
1227	151	-	-	-	5223	750	4473	0.14	5.08	1.47	80	BN	AB	AB	YE	25.7	5	-	-	5
1228	151	-	-	-	3893	895	2998	0.23	4.30	1.33	80	BN	AB	AB	YE	26.5	7	7	-	-
1229	151	-	-	-	4493	1305	3188	0.29	3.51	1.71	80	GN.PI	AB	AB	YE	-	7	-	-	-
1230	147	-	-	-	6028	1705	4323	0.28	5.04	1.30	80	GN.PI	AB	AB	YE	25.3	5	-	-	5
1231	145	-	-	-	5725	1340	4385	0.23	4.08	1.34	80	GN.PI	AB	AB	YE	28.9	7	-	-	-
1232	147	-	-	-	4873	1200	3673	0.25	4.30	1.57	80	PI	AB	AB	YE	25.5	5	9	-	-
1233	151	-	-	-	4485	1165	3320	0.26	3.13	1.64	80	PI	AB	AB	YE	27.2	7	9	-	-
1234	147	-	-	-	4263	1240	3023	0.29	3.44	1.63	80	PI	AB	AB	YE	26.5	5	7	-	-
1235	138	168	30	15	3265	1005	2260	0.31	3.29	1.60	79	BN	AB	AB	YE	26.6	7	-	-	-
1236	138	173	27	16	2705	765	1940	0.28	4.94	1.33	79	GN.PI	AB	AB	YE	24.7	5	-	-	7
1237	138	179	30	19	2605	425	2180	0.16	3.91	-	79	GN.PI	AB	AB	YE	25.6	7	-	-	-
1238	138	173	28	16	2325	535	1790	0.23	5.12	1.10	79	GN.PI	AB	AB	YE	23.9	7	-	-	5
1239	138	173	27	16	2545	620	1925	0.24	3.87	1.18	79	GN.PI	AB	AB	YE	26.4	7	-	-	-
1240	138	173	25	16	990	180	810	0.18	4.25	1.50	79	PI	AB	AB	YE	25.6	7	-	-	-
1241	130	168	29	18	1735	230	1505	0.13	5.18	1.00	79	GN.PI	AB	AB	YE	26.6	7	-	-	-
1242	135	179	32	20	2515	370	2145	0.15	3.33	1.20	79	GN.PI	AB	AB	YE	27.3	7	-	-	-
1243	147	-	-	-	3618	1053	2565	0.29	3.92	1.33	80	PI	AB	AB	YE	27.9	7	-	-	-
1244	145	-	-	-	4228	1210	3018	0.29	3.89	1.57	80	BN	AB	AB	RD	26.6	7	-	-	-
1245	145	-	-	-	4860	1223	3637	0.25	4.45	1.67	80	PI	AB	AB	YE	25.9	5	-	-	-
1246	145	-	-	-	4178	1345	2833	0.32	3.40	1.47	80	PI	AB	AB	YE	26.3	7	-	-	-
1247	122	168	27	16	4147	770	3377	0.19	4.33	1.80	82	GN.PI	AB	AB	YE	27.9	5	-	-	-
1248	145	-	-	-	4063	1173	2890	0.29	4.25	1.47	80	GN.PI	AB	AB	YE	24.6	7	-	-	-
1249	145	-	-	-	4100	985	3115	0.24	4.06	1.60	80	PI	AB	AB	YE	27.0	5	-	-	-
1250	138	-	-	-	3998	1050	2948	0.26	3.37	1.47	80	GN.PI	AB	AB	YE	25.6	7	-	-	-
1251	151	-	-	-	3600	603	2997	0.17	3.23	1.50	80	GN.PI	AB	AB	YE	27.1	7	-	-	-
1252	138	-	-	-	4315	1130	3185	0.26	4.35	1.66	80	PI	AB	AB	YE	23.8	5	7	-	-
1253	145	-	-	-	5415	1500	3915	0.28	3.24	1.57	80	GN.PI	AB	AB	YE	23.2	7	5	-	-
1254	145	-	-	-	5095	1350	3745	0.26	4.02	1.50	80	GN.PI	AB	AB	YE	26.9	5	9	-	-
1255	148	-	-	-	4085	928	3157	0.23	3.15	1.37	80	BN	AB	AB	YE	26.8	5	-	-	-
1256	138	-	-	-	5938	1600	4338	0.27	4.47	1.57	80	PI	AB	AB	YE	22.5	7	7	-	-
1257	135	-	-	-	4863	1595	3268	0.33	4.53	1.17	80	PI	AB	AB	YE	23.6	7	7	-	-
1258	130	168	27	14	5495	980	4515	0.18	4.20	1.47	80	GN.PI	AB	AB	YE	27.7	5	-	-	-
1259	138	-	-	-	5010	1305	3705	0.26	3.20	1.73	80	PI	AB	AB	YE	26.1	5	7	-	-
1260	138	-	-	-	5350	1350	4000	0.25	3.93	1.67	80	GN.PI	AB	AB	YE	26.6	7	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
1261	151	-	-	-	4498	878	3570	0.20	3.45	1.43	80	GN.PI	AB	AB	YE	25.4	7	-	-	-
1262	151	-	-	-	3543	755	2788	0.21	2.94	1.63	80	BK	AB	AB	RD, YE	25.9	5	-	-	-
1263	151	-	-	-	4085	825	3260	0.20	2.72	1.63	80	PI	AB	AB	RD	25.9	5	-	-	-
1264	130	179	30	14	2720	-	-	-	6.18	1.03	79	GN.PI	AB	AB	YE	25.2	5	-	5	-
1265	151	-	-	-	3300	798	2502	0.24	3.56	1.40	80	GN.PI	AB	AB	YE	25.0	5	-	-	-
1266	151	-	-	-	3175	800	2375	0.25	3.86	1.57	80	GN.PI	AB	AB	YE	25.7	5	-	-	-
1267	138	179	28	18	4200	990	3210	0.24	3.05	1.40	80	GN.PI	AB	AB	YE	27.0	7	-	-	-
1268	138	173	29	14	2870	820	2050	0.29	3.15	1.30	79	GN.PI	AB	AB	YE	25.5	5	-	-	-
1269	138	173	29	17	4110	888	3222	0.22	2.94	1.50	80	GN.PI	AB	AB	YE	26.9	7	-	-	-
1270	135	173	26	16	4443	1263	3180	0.28	3.48	1.43	80	GN.PI	AB	AB	YE	24.8	5	-	-	-
1271	151	-	-	-	4125	1040	3085	0.25	2.84	1.50	80	PI	AB	AB	RD	26.4	5	-	-	-
1272	135	173	28	19	4095	1208	2887	0.29	3.82	1.30	80	GN.PI	AB	AB	YE	25.4	5	-	-	-
1273	145	179	28	13	2190	235	1955	0.11	2.85	-	79	PI	AB	AB	RD	26.7	5	-	-	-
1274	135	173	31	20	4808	1263	3545	0.26	4.04	1.50	80	GN.PI	AB	AB	YE	25.1	5	-	-	-
1275	140	179	29	18	3500	875	2625	0.25	3.51	1.63	79	GN.PI	AB	AB	YE	25.0	7	-	-	-
1276	142	-	-	-	4425	1188	3237	0.27	3.75	1.20	80	GN.PI	AB	AB	YE	24.1	7	7	-	-
1277	142	-	-	-	4533	1398	3135	0.31	3.83	1.37	80	PI	AB	AB	YE	25.4	7	7	-	-
1278	148	-	-	-	3615	1025	2590	0.28	3.84	1.87	80	GN.PI	AB	AB	YE	25.3	5	9	-	-
1279	151	-	-	-	4973	1095	3878	0.22	3.57	1.03	80	GN.PI	AB	AB	YE	26.0	7	7	-	-
1280	151	-	-	-	4418	1188	3230	0.27	3.49	1.50	80	GN.PI	AB	AB	YE	24.7	3	-	-	-
1281	130	179	30	18	3150	460	2690	0.15	3.61	1.40	79	GN.PI	AB	AB	YE	27.3	7	-	-	-
1282	138	179	26	13	2585	465	2120	0.18	3.41	1.67	79	GN.PI	AB	AB	YE	26.3	5	-	-	-
1283	143	173	28	16	2670	720	1950	0.27	2.25	1.64	79	PI	DO	GY	RD	26.9	5	-	-	-
1284	145	179	28	19	4155	1063	3092	0.26	2.31	1.60	80	PI	AB	AB	RD	26.3	5	-	-	-
1285	150	179	26	18	3340	845	2495	0.25	2.31	1.67	80	PI	AB	AB	RD	26.4	7	-	-	-
1286	145	173	23	13	3118	708	2410	0.23	2.24	1.63	80	PI	AB	AB	RD	26.1	7	-	-	-
1287	130	179	28	19	2140	350	1790	0.16	3.89	1.53	79	GN.PI	AB	AB	YE	27.1	5	-	-	-
1288	147	173	23	12	2100	445	1655	0.21	2.30	1.67	79	GN.PI	AB	AB	RD, YE	26.9	7	-	-	-
1289	145	179	23	15	1625	180	1445	0.11	2.18	1.53	79	PI	AB	AB	RD	26.5	7	-	-	-
1290	145	173	25	17	3613	693	2920	0.19	2.49	1.53	80	PI	AB	AB	RD	26.6	7	-	-	-
1291	154	-	-	-	3938	850	3088	0.22	2.61	1.57	80	PI	AB	AB	RD	27.1	7	-	-	-
1292	154	-	-	-	4398	1078	3320	0.25	2.83	1.82	80	PI	AB	AB	RD, YE	27.5	7	5	-	-
1293	154	-	-	-	5080	1035	4045	0.20	2.48	1.37	80	PI	AB	AB	RD	26.7	5	-	-	-
1294	151	-	-	-	4578	840	3738	0.18	2.95	1.87	80	PI	AB	AB	RD, YE	25.6	5	-	-	-
1295	151	-	-	-	3858	1030	2828	0.27	2.52	1.69	80	PI	AB	AB	RD	26.2	5	5	-	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
1296	138	179	26	17	3865	1025	2840	0.27	2.71	1.77	80	GN.PI	AB	AB	RD.YE	26.8	5	-	-	-
1297	145	173	33	16	3025	915	2110	0.30	2.14	1.45	79	GN.PI	AB	AB	RD.YE	27.6	5	-	-	-
1298	145	173	26	16	2665	815	1850	0.31	2.29	1.80	79	GN.PI	AB.SP	AB.OL	RD.YE	26.0	7	-	-	-
1299	145	173	24	11	2695	850	1845	0.32	2.36	1.87	79	GN.PI	AB.SP	AB.OL	RD.YE	27.5	5	-	-	-
1300	154	-	-	-	3640	615	3025	0.17	2.63	1.60	80	PI	AB	AB	RD	26.9	7	9	-	-
1301	154	-	-	-	4060	648	3412	0.16	2.76	1.80	80	PI	AB	AB	RD.YE	26.9	7	9	-	-
1302	145	173	31	13	2945	770	2175	0.26	2.46	1.73	79	PI	AB	AB	RD	26.8	7	-	-	-
1303	145	173	28	13	2985	780	2205	0.26	2.15	1.63	80	PI	AB	AB	RD.YE	27.0	7	-	-	-
1304	138	173	31	15	2955	825	2130	0.28	2.10	1.63	79	PI	AB	AB	RD	26.1	7	-	-	-
1305	138	173	30	16	3290	1015	2275	0.31	2.47	1.83	79	PI	AB	AB	RD.YE	27.2	5	-	-	-
1306	135	173	23	14	3033	865	2168	0.29	2.84	1.53	80	GN.PI	AB	AB	YE	27.1	7	-	-	-
1307	154	-	-	-	4058	1075	2983	0.26	2.36	1.63	80	PI	AB	AB	RD	27.3	5	9	-	-
1308	154	-	-	-	3343	760	2583	0.23	2.60	1.50	80	PI	AB	AB	RD	27.8	7	7	-	-
1309	154	-	-	-	4133	763	3370	0.18	2.66	1.67	80	PI	AB	AB	RD	27.4	5	9	-	-
1310	154	-	-	-	3900	935	2965	0.24	2.81	1.80	80	PI	AB	AB	RD	26.8	5	7	-	-
1311	154	-	-	-	2870	460	2410	0.16	2.59	1.73	80	PI	AB	AB	RD	29.1	5	7	-	-
1312	151	-	-	-	2998	1360	1638	0.45	3.06	1.60	80	GN.PI	AB	AB	YE	27.5	7	5	-	-
1313	154	-	-	-	3505	583	2922	0.17	2.93	1.57	80	GN.PI	AB.SP	AB.GY	YE	27.3	5	9	-	-
1314	154	-	-	-	3665	788	2877	0.22	2.78	1.67	80	PI	AB.SP	AB.GY	RD	27.1	5	7	-	-
1315	154	-	-	-	3670	710	2960	0.19	2.40	-	80	PI	AB	AB	RD	27.8	5	7	-	-
1316	154	-	-	-	2873	448	2425	0.16	2.91	1.60	80	PI	AB	AB	RD	27.2	7	-	-	-
1317	145	173	32	15	3330	945	2385	0.28	2.20	1.57	79	PI	AB	AB	RD	27.4	7	-	-	-
1318	145	173	28	13	2825	860	1965	0.30	2.15	1.87	79	PI	AB.SP	AB.OL	RD	26.3	7	-	-	-
1319	147	173	30	18	3125	825	2300	0.26	2.55	1.47	79	BN	AB	AB	RD.YE	27.4	7	-	-	-
1320	145	173	29	15	2970	665	2305	0.22	2.32	1.50	79	PI	AB	AB	RD	26.8	7	-	-	-
1321	145	173	28	16	3015	1005	2010	0.33	2.67	1.63	79	PI	AB	AB	RD	27.5	7	9	-	-
1322	154	-	-	-	3363	565	2798	0.17	2.64	1.73	80	PI	AB	AB	RD	-	5	7	-	-
1323	145	-	-	-	5268	1713	3555	0.33	4.64	1.67	80	GN.PI	AB	AB	YE	25.9	3	5	-	-
1324	154	-	-	-	3700	750	2950	0.20	2.75	1.63	80	GN.PI	AB	AB	YE	27.7	5	7	-	-
1325	139	169	22	19	1713	593	1120	0.35	2.29	1.70	82	PI	AB.MA	AB.OL	RD	25.2	5	-	-	-
1326	154	-	-	-	4608	905	3703	0.20	2.61	1.73	80	BN	AB.SP	AB.BK	RD	26.4	5	7	-	-
1327	154	-	-	-	3595	2210	1385	0.61	2.59	1.47	80	GN.PI	AB	AB	RD	26.8	5	9	-	-
1328	154	-	-	-	4183	910	3273	0.22	2.47	1.53	80	GN.PI	AB	AB	RD	26.3	5	7	-	-
1329	145	179	23	14	2520	785	1735	0.31	2.38	1.50	79	GN.PI	AB	AB	RD	27.2	7	-	-	-
1330	145	173	28	16	3610	823	2787	0.23	2.26	1.40	80	PI	AB	AB	RD	25.9	7	-	-	-

ILL	TiFl	TiHa	Hgt	LPH	BtYd	SdYd	StYd	HI	100SW Sd/Pd	Yr	TestaCol	Pattern	PatternCol	ColCol	ProZ	CS	0579	0580	0581
1331	140	173	28	21	3140	690	2450	0.22	2.50	1.73	79 GN	AB,MA	AB,OL	YE	26.7	5	-	-	-
1332	145	173	29	17	3110	830	2280	0.27	2.16	1.70	79 PI	AB,SP	AB,GY	RD	26.8	7	-	-	-
1333	140	173	31	17	3950	890	3060	0.23	2.22	1.90	80 BN	AB,DO	AB,GY	RD	27.8	5	-	-	-
1334	154	-	-	-	3545	735	2810	0.21	2.72	1.70	80 PI	AB,SP	AB,GY	RD	27.2	5	9	-	-
1335	154	-	-	-	3755	950	2805	0.25	2.86	1.70	80 PI	AB,SP	AB,GY	RD	27.4	5	7	-	-
1336	151	-	-	-	2755	570	2185	0.21	2.68	1.70	80 GN,PI	AB,DO	AB,GY	RD,YE	26.1	5	7	-	-
1337	151	-	-	-	4170	1190	2980	0.29	2.51	1.76	80 PI	AB	AB	RD	27.3	5	9	-	-
1338	154	-	-	-	3588	2210	1378	0.62	2.80	1.83	80 PI	AB,SP	AB,GY	RD	26.5	5	9	-	-
1339	154	-	-	-	3470	775	2695	0.22	2.72	1.50	80 PI	AB	AB	RD	26.5	7	5	-	-
1340	154	-	-	-	2818	555	2263	0.20	2.41	1.63	80 BN	AB	AB	RD	26.9	5	9	-	-
1341	154	-	-	-	2788	535	2253	0.19	2.53	1.63	80 GN,PI	AB	AB	RD,YE	27.0	7	9	-	-
1342	154	-	-	-	3768	805	2963	0.21	2.47	1.43	80 PI	AB,DO	AB,GY	RD	27.3	7	5	-	-
1343	145	173	25	12	3160	1050	2110	0.33	1.98	1.77	79 PI	AB,SP	AB,GY	RD	26.6	7	5	-	-
1344	145	173	26	15	3035	760	2275	0.25	1.84	1.63	79 PI	AB,SP	AB,GY	RD	26.4	5	-	-	-
1345	138	173	28	16	3375	1060	2315	0.31	2.88	1.47	79 PI	AB	AB	YE	26.2	5	-	-	-
1346	147	179	25	15	2835	728	2107	0.26	1.98	1.60	80 PI	AB	AB	RD	27.3	5	-	-	-
1347	125	173	26	12	2720	1830	890	0.67	3.75	1.53	80 GN,PI	AB	AB	YE	26.7	5	-	-	-
1348	150	179	25	16	3930	1150	2780	0.29	2.30	1.93	79 PI	AB,SP	AB,GY	RD	27.5	5	-	-	-
1349	151	-	-	-	3950	555	3395	0.14	2.35	1.50	80 BN	AB	AB	RD,YE	26.6	5	5	-	-
1350	151	-	-	-	3930	583	3347	0.15	2.01	1.62	80 PI	AB	AB	RD	27.4	5	5	-	-
1351	154	-	-	-	3385	498	2887	0.15	2.29	1.63	80 PI	AB,SP	AB,GY	RD	27.1	5	5	-	-
1352	151	-	-	-	3933	688	3245	0.17	2.09	1.73	80 PI	AB	AB	RD	27.0	5	9	-	-
1353	130	179	31	20	3300	855	2445	0.26	4.80	1.07	79 GN,PI	AB	AB	YE	25.7	5	-	5	-
1354	143	173	27	15	2820	765	2055	0.27	1.88	1.70	79 PI	AB	AB	RD	27.0	5	-	-	-
1355	145	-	-	-	5045	673	4372	0.13	3.41	1.73	80 GN,PI	AB	AB	YE	25.5	5	5	-	-
1356	151	-	-	-	4410	848	3562	0.19	1.99	1.50	80 PI	AB,SP	AB,OL	RD	26.5	7	9	-	-
1357	154	-	-	-	3420	745	2875	0.21	2.26	1.67	80 PI	AB	AB	RD	28.3	5	7	-	-
1358	154	-	-	-	4225	800	3425	0.19	2.42	1.50	80 PI	AB	AB	YE	26.7	5	9	-	-
1359	154	-	-	-	3113	635	2478	0.20	2.05	1.83	80 PI	AB,SP	AB,GY	RD	27.3	5	-	-	-
1360	138	173	21	13	4088	640	3448	0.16	2.13	1.67	80 BN,GY	AB	AB	RD,YE	26.5	5	-	-	-
1361	143	173	22	11	1890	405	1485	0.21	1.78	1.67	79 PI	AB,SP	AB,GY	YE	28.1	7	-	-	-
1362	138	173	23	12	4088	783	3305	0.19	2.18	1.63	80 PI	AB	AB	RD	27.8	7	-	-	-
1363	138	173	23	12	3970	815	3155	0.21	2.21	1.77	80 PI	AB	AB	YE	28.2	7	-	-	-
1364	143	173	23	14	1940	590	1350	0.30	2.05	1.60	79 GN,PI	AB	AB	RD,YE	26.6	7	-	-	-
1365	143	173	21	12	2150	575	1575	0.27	1.98	1.60	79 GN,PI	AB	AB	YE	27.6	7	-	-	-

ILL	TiF1	TiMa	Hgt	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
1366	143	173	23	10	4355	803	3552	0.18	2.23	1.67	80	BN	AB	AB	RD	27.7	-	-	-	-
1367	154	-	-	-	3875	613	3262	0.16	2.40	1.76	80	PI	AB	AB	RD	27.2	5	7	-	-
1368	151	-	-	-	3818	640	3178	0.17	2.52	1.60	80	PI	AB	AB	RD	27.6	5	7	-	-
1369	151	-	-	-	3468	605	2863	0.17	2.36	1.53	80	PI	AB	AB	RD	24.4	5	9	-	-
1370	154	-	-	-	2338	588	1750	0.25	2.32	1.70	80	PI	AB	AB	RD	28.1	3	5	-	-
1371	151	-	-	-	5568	860	4708	0.15	2.48	1.60	80	PI	AB,SP	AB,GY	RD	26.4	5	7	-	-
1372	138	-	-	-	4903	1620	3283	0.33	4.57	1.17	80	GN,PI	AB	AB	YE	25.3	3	-	-	7
1373	154	-	-	-	3140	900	2240	0.29	2.50	1.60	80	PI	AB	AB	RD	27.3	5	7	-	-
1374	138	-	-	-	4478	1280	3198	0.29	-	1.13	80	GN,PI	AB	AB	YE	27.3	-	-	-	5
1375	145	173	21	12	2295	505	1790	0.22	2.52	1.17	79	GN	AB	AB	YE	25.7	7	-	-	-
1376	135	173	30	18	5065	1740	3325	0.34	2.80	1.76	80	GN,PI	AB	AB	RD,YE	26.4	7	-	-	-
1377	154	-	-	-	340	125	215	0.37	2.85	1.33	80	GY	AB	AB	YE	25.5	5	-	-	-
1378	151	-	-	-	4285	1135	3150	0.26	3.28	1.43	80	BN	AB	AB	RD,YE	-	7	-	-	-
1379	143	173	31	20	3035	550	2485	0.18	2.56	1.43	79	BN	AB	AB	RD,YE	26.9	5	-	-	-
1380	133	-	-	-	4610	1580	3030	0.34	2.24	1.60	80	BK	AB	AB	RD,YE	24.9	7	-	-	-
1381	130	168	28	13	2730	975	1755	0.36	4.02	1.37	79	PI	AB	AB	YE	27.3	7	-	-	-
1382	138	173	32	19	2615	780	1835	0.30	3.56	1.57	79	GN,PI	AB	AB	YE	26.3	5	-	-	-
1383	128	168	26	14	4380	1340	3040	0.31	4.25	1.23	82	GN,PI	AB	AB	YE	25.8	5	-	-	-
1384	135	168	28	15	4495	1283	3212	0.29	3.68	1.17	80	GN,PI	AB	AB	YE	24.6	3	-	-	-
1385	148	-	-	-	4315	1283	3032	0.30	3.69	1.47	80	GN,PI	AB	AB	YE	26.3	5	7	-	-
1386	151	-	-	-	4435	1178	3257	0.27	2.40	1.77	80	PI	AB	AB	RD	26.5	5	9	-	-
1387	135	173	24	12	1713	725	988	0.42	2.78	1.28	80	GN,PI	AB	AB	YE	26.1	5	-	-	-
1388	154	-	-	-	3865	800	3065	0.21	2.97	1.70	80	PI	AB	AB	YE	25.6	5	-	-	-
1389	148	-	-	-	5488	1215	4273	0.22	3.96	1.50	80	GN,PI	AB	AB	YE	25.6	5	-	-	-
1390	151	-	-	-	2893	750	2143	0.26	2.91	1.40	80	BN	MA	BK	YE	28.4	5	-	-	-
1391	145	-	-	-	4138	1280	2858	0.31	3.82	1.52	80	GN,PI	AB	AB	YE	26.0	5	-	-	-
1392	148	-	-	-	2063	700	1363	0.34	3.58	1.47	80	GN,PI	AB	AB	YE	25.8	5	-	-	-
1393	130	168	25	12	1040	175	865	0.17	2.94	1.69	79	BN	AB	AB	YE	26.7	5	-	-	-
1394	138	173	29	14	2720	815	1905	0.30	2.60	1.39	80	GN,PI	AB	AB	YE	26.3	5	-	-	-
1395	127	172	29	16	2447	820	1627	0.34	4.90	1.50	82	GN,PI	AB	AB	YE	22.5	5	-	-	-
1396	135	173	31	21	2350	580	1770	0.25	3.47	1.53	79	GN,PI	AB	AB	YE	25.5	5	-	-	-
1397	138	179	26	17	1955	425	1530	0.22	2.56	1.73	79	PI	AB,SP	AB,OL	RD	26.8	5	-	-	-
1398	135	179	29	16	3870	850	3020	0.22	3.25	1.60	80	GN,PI	AB	AB	YE	25.8	5	-	-	-
1399	130	179	26	15	2680	800	1880	0.30	3.98	1.57	79	GN,PI	AB	AB	YE	25.6	3	-	-	-
1400	130	179	27	17	2320	450	1870	0.19	3.66	1.60	79	GN,PI	AB	AB	YE	25.1	5	-	-	-

ILL	TiFl	TiMa	Hgt	LPH	BiYd	SdYd	StYd	HI	100SW Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
1401	151	-	-	-	4480	1188	3292	0.27	3.86	1.50	80 GN.PI	AB	AB	YE	26.2	3	-	-	-
1402	154	-	-	-	3175	705	2470	0.22	2.70	1.54	80 PI	AB	AB	RD	27.8	5	-	-	-
1403	154	-	-	-	3400	865	2535	0.25	2.58	1.87	80 BN	MA	OL	RD	25.7	5	-	-	-
1404	151	-	-	-	3400	795	2605	0.23	4.07	1.53	80 PI	AB	AB	YE	25.4	7	-	-	-
1405	145	-	-	-	6023	1563	4460	0.26	3.09	1.53	80 BN	DO	GY	RD	26.2	3	-	-	-
1406	154	-	-	-	3440	605	2835	0.18	3.03	1.47	80 PI	AB	AB	RD	25.2	5	-	-	-
1407	151	-	-	-	4558	1128	3430	0.25	4.44	1.10	80 GN.PI	AB	AB	YE	27.0	7	-	-	-
1408	138	168	26	15	1865	295	1570	0.16	3.06	1.57	79 GN.PI	AB	AB	YE	25.3	5	-	-	-
1409	145	173	27	18	3175	640	2535	0.20	2.51	1.93	80 PI	AB	AB	RD	27.2	5	-	-	-
1410	145	173	26	14	3393	930	2463	0.27	2.41	1.69	80 PI	MA	OL	RD	27.3	7	-	-	-
1411	152	179	28	16	3085	705	2380	0.23	2.56	1.73	79 PI	AB,DO	AB,GY	RD,YE	26.7	5	-	-	-
1412	151	-	-	-	2088	655	1433	0.31	2.52	1.90	80 PI	AB,SP	AB,GY	RD	27.5	7	-	-	-
1413	154	-	-	-	2103	598	1505	0.28	2.79	1.66	80 PI	AB,SP	AB,GY	RD	27.8	7	-	-	-
1414	143	173	27	18	2550	575	1975	0.23	2.46	1.53	79 BN	AB	AB	YE	26.8	7	-	-	-
1415	130	173	26	14	3250	1058	2192	0.33	4.09	1.32	80 GN.PI	AB	AB	YE	26.5	7	-	-	-
1416	135	173	28	14	3605	770	2835	0.21	3.72	1.60	79 GN.PI	AB	AB	YE	28.2	5	-	-	-
1417	135	173	28	17	2495	280	2215	0.11	3.80	1.33	79 GY	AB	AB	YE	26.2	5	-	-	-
1418	151	-	-	-	3645	948	2697	0.26	3.51	1.77	80 PI	AB	AB	RD,YE	26.4	5	-	-	-
1419	154	-	-	-	3580	910	2670	0.25	2.86	1.47	80 GN.PI	AB	AB	YE	28.4	7	-	-	-
1420	151	-	-	-	2955	820	2135	0.28	2.67	1.60	80 BN	AB	AB	RD,YE	27.8	7	-	-	-
1421	151	-	-	-	2825	638	2187	0.23	2.90	1.33	80 PI	AB	AB	RD	27.1	7	-	-	-
1422	154	-	-	-	2985	780	2205	0.26	2.42	1.67	80 PI	AB	AB	RD	27.1	7	-	-	-
1423	135	173	25	16	2500	625	1875	0.25	3.11	1.47	79 GY	AB	AB	YE	27.8	5	-	-	-
1424	138	179	23	15	1695	500	1195	0.29	2.76	1.63	79 BN	AB	AB	RD	27.3	7	-	-	-
1425	145	173	22	16	1805	445	1360	0.25	2.52	1.83	79 BN	AB	AB	RD	26.5	7	-	-	-
1426	138	173	23	12	2080	530	1550	0.25	2.78	1.40	79 BN	AB	AB	RD,YE	27.4	7	-	-	-
1427	145	173	23	15	1670	350	1320	0.21	2.79	1.70	79 BN	AB	AB	RD,YE	26.9	7	-	-	-
1428	138	173	23	14	2680	788	1892	0.29	2.38	1.71	80 BN	AB	AB	RD	26.7	7	-	-	-
1429	151	-	-	-	3678	818	2860	0.22	3.62	1.70	80 GN.PI	AB	AB	YE	26.5	5	7	-	-
1430	130	173	28	16	2665	745	1920	0.28	2.92	1.50	79 GY	AB	AB	YE	27.8	7	-	-	-
1431	138	173	26	17	2020	565	1455	0.28	2.70	1.47	79 BN	AB	AB	YE	26.6	5	-	-	-
1432	130	168	23	15	1950	460	1490	0.24	2.99	1.63	79 GY	AB	AB	YE	27.0	5	-	-	-
1433	143	173	24	14	1500	400	1100	0.27	-	1.70	79 GY	AB	AB	YE	26.9	-	-	-	-
1434	143	173	22	14	1315	175	1140	0.13	2.83	1.47	79 BN	AB	AB	YE	27.5	7	-	-	-
1435	151	-	-	-	2183	510	1673	0.23	3.25	1.50	80 BN	AB	AB	YE	26.7	7	-	-	-

ILL	TiFl	TiHa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
1436	154	-	-	-	2310	740	1570	0.32	2.30	1.70	80	PI	AB	AB	RD	-	5	-	-	-
1437	151	-	-	-	2660	750	1910	0.28	3.00	1.47	80	BN	AB	AB	YE	28.1	7	-	-	-
1438	151	-	-	-	2753	600	2153	0.22	3.40	1.73	80	BN	AB,SP	AB,GY	YE	26.4	7	-	-	-
1439	120	173	30	17	3400	1095	2305	0.32	4.61	1.20	79	GN,PI	AB	AB	YE	25.6	7	-	-	5
1440	154	-	-	-	3825	960	2865	0.25	2.84	1.70	80	BN	AB	AB	RD,YE	-	7	-	-	-
1441	151	-	-	-	3135	300	2835	0.10	2.56	1.60	80	GN,PI	AB	AB	RD,YE	26.8	7	-	-	-
1442	151	-	-	-	2300	578	1722	0.25	3.18	1.67	80	BN	AB	AB	RD,YE	28.2	7	5	-	-
1443	151	-	-	-	2933	715	2218	0.24	2.93	1.77	80	BN	AB	AB	RD	-	7	7	-	-
1444	151	-	-	-	3878	725	3153	0.19	3.06	1.67	80	BN	AB	AB	RD	-	5	7	-	-
1445	140	173	26	10	2935	805	2130	0.27	3.03	1.60	79	GY	AB	AB	RD,YE	-	5	-	-	-
1446	140	173	26	12	2815	530	2285	0.19	2.66	1.50	79	GY	AB	AB	YE	27.8	7	-	-	-
1447	145	173	24	13	2910	910	2000	0.31	2.63	1.70	79	GN,PI	AB	AB	YE	27.4	5	-	-	-
1448	135	173	31	14	4140	1280	2860	0.31	4.91	1.63	79	GN,PI	AB	AB	YE	25.3	3	-	-	5
1449	135	173	28	12	3500	935	2565	0.27	2.41	1.77	79	BN	AB	AB	RD,YE	-	7	-	-	-
1450	135	179	26	13	2745	775	1970	0.28	2.89	1.52	79	BN	AB,DO	AB,GY	YE	26.4	7	-	-	-
1451	145	-	-	-	5143	1643	3500	0.32	4.98	1.27	80	GN,PI	AB	AB	YE	26.8	7	9	-	-
1452	151	-	-	-	4138	725	3413	0.18	3.31	1.55	80	GY	AB	AB	YE	27.8	5	9	-	-
1453	141	-	-	-	4983	1410	3573	0.28	5.66	1.17	80	GN,PI	AB	AB	YE	25.7	5	7	-	-
1454	151	-	-	-	2943	555	2388	0.19	3.17	1.60	80	GY	AB	AB	YE	26.8	7	-	-	-
1455	135	-	-	-	4758	1300	3458	0.27	2.74	1.73	80	BK	AB	AB	RD	24.9	5	-	-	-
1456	138	-	-	-	4528	1395	3133	0.31	3.06	1.73	80	BK	AB	AB	RD,YE	25.4	5	-	-	-
1457	133	-	-	-	3745	1188	2557	0.32	2.83	1.87	80	BK	AB	AB	RD	-	7	5	-	-
1458	133	-	-	-	4103	1308	2795	0.32	2.68	1.73	80	BK	AB	AB	RD	24.7	7	-	-	-
1459	133	-	-	-	4615	1410	3205	0.31	5.37	1.33	80	GN,PI	AB	AB	YE	26.6	5	-	-	5
1460	133	-	-	-	4745	1575	3170	0.33	2.97	1.73	80	BK	AB	AB	RD,YE	25.0	5	-	-	-
1461	130	173	28	17	3415	910	2505	0.27	3.01	1.83	79	GN,PI	AB	AB	YE	27.6	7	-	-	-
1462	130	173	30	16	4160	1255	2905	0.30	4.23	1.60	79	PI	AB	AB	YE	25.3	7	-	-	-
1463	140	173	28	15	4193	770	3423	0.18	2.57	1.40	80	GY	AB	AB	YE	27.0	5	-	-	-
1464	130	160	28	12	2270	760	1510	0.33	2.44	1.63	79	BK	AB	AB	RD,YE	25.6	7	-	-	-
1465	120	162	30	12	2405	880	1525	0.37	2.37	1.80	79	BK	AB	AB	RD,YE	26.1	7	-	-	-
1466	151	-	-	-	4253	1270	2983	0.30	2.98	1.40	80	GY	AB	AB	RD,YE	27.1	7	-	-	-
1467	133	-	-	-	3475	1358	2117	0.39	2.46	1.83	80	BK	AB	AB	RD	24.8	7	7	-	-
1468	151	-	-	-	3543	825	2718	0.23	3.91	1.23	80	GN,PI	AB	AB	YE	27.3	7	-	-	-
1469	135	173	31	12	4150	-	-	-	5.29	1.13	79	GN,PI	AB	AB	YE	26.9	5	-	-	7
1470	145	-	-	-	3270	978	2292	0.30	3.12	1.23	80	GY	AB	AB	YE	25.8	5	9	-	-

ILL	TiFl	TiHa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
1471	141	-	-	-	4838	1410	3428	0.29	4.60	1.38	80 GN.PI	AB	AB	YE	26.7	7	9	-	-
1472	143	173	28	15	3055	715	2340	0.23	2.54	1.67	79 GY	AB	AB	YE	27.2	7	-	-	-
1473	125	162	26	13	2465	790	1675	0.32	2.65	1.73	79 BK	AB	AB	RD	25.6	7	-	-	-
1474	125	179	32	15	3700	955	2745	0.26	4.02	1.90	79 PI	AB	AB	YE	24.3	7	-	-	-
1475	130	179	34	19	4075	700	3375	0.17	3.84	1.73	79 GN.PI	AB	AB	YE	26.3	7	-	-	-
1476	130	173	37	15	4180	925	3255	0.22	4.68	1.53	79 GN.PI	AB	AB	YE	24.8	5	-	-	5
1477	151	-	-	-	2405	748	1657	0.31	3.17	1.77	80 GN	MA	OL	YE	27.0	5	7	-	-
1478	151	-	-	-	3238	1010	2228	0.31	3.21	1.60	80 GN	MA	OL	YE	26.4	7	-	-	-
1479	151	-	-	-	4355	1073	3282	0.25	3.34	1.67	80 BN	AB	AB	RD, YE	26.7	5	-	-	-
1480	151	-	-	-	4525	1135	3390	0.25	3.40	1.43	80 BN	AB	AB	YE	27.1	7	-	-	-
1481	151	-	-	-	5230	1398	3832	0.27	3.10	1.57	80 GY	AB	AB	YE	26.9	7	9	-	-
1482	147	-	-	-	3735	1150	2585	0.31	4.67	1.60	80 GN.PI	AB	AB	YE	27.3	5	7	-	-
1483	151	-	-	-	4330	1158	3172	0.27	4.45	1.52	80 GN.PI	AB	AB	YE	27.8	5	7	-	-
1484	151	-	-	-	4495	1400	3095	0.31	3.47	1.33	80 GY	AB	AB	YE	25.9	5	5	-	-
1485	151	-	-	-	4088	980	3108	0.24	3.90	1.52	80 GN.PI	AB	AB	YE	27.2	5	-	-	-
1486	140	179	32	14	2045	370	1675	0.18	3.12	1.63	79 GY	AB	AB	YE	26.5	7	-	-	-
1487	138	179	25	15	3825	600	3225	0.16	3.82	1.38	79 GN.PI	AB	AB	YE	27.1	7	-	-	-
1488	140	179	34	14	2780	655	2125	0.24	2.79	1.77	79 GN.PI	AB, DO	AB, GY	RD, YE	27.5	7	-	-	-
1489	140	179	35	20	3730	710	3020	0.19	3.74	1.43	79 GN.PI	AB	AB	RD, YE	27.2	7	-	-	-
1490	143	179	31	17	2370	205	2165	0.09	3.82	1.45	79 GN.PI	AB	AB	YE	28.0	5	-	-	-
1491	140	179	26	21	3180	753	2427	0.24	3.62	1.48	80 GN.PI	AB	AB	YE	27.6	5	-	-	-
1492	143	179	27	17	4745	1410	3335	0.30	2.90	1.33	80 GY	AB	AB	YE	25.5	7	-	-	-
1493	143	179	27	10	2088	583	1505	0.28	2.55	1.62	80 GN	AB	AB	YE	26.5	7	-	-	-
1494	143	179	21	14	2235	660	1575	0.30	2.78	1.53	79 GN.PI	AB	AB	RD, YE	27.2	7	-	-	-
1495	143	179	26	13	1895	485	1410	0.26	2.55	1.33	79 GN	AB	AB	YE	27.4	7	-	-	-
1496	138	173	26	13	3158	740	2418	0.23	2.86	1.57	80 GN.PI	AB	AB	YE	27.8	7	-	-	-
1497	130	168	22	17	2820	905	1915	0.32	2.63	1.77	79 PI	AB	AB	RD	25.0	7	-	-	-
1498	138	-	-	-	5355	1528	3827	0.29	4.35	1.47	80 GN.PI	AB	AB	YE	26.7	7	7	-	-
1499	138	-	-	-	2838	808	2030	0.28	4.58	1.10	80 GN.PI	AB	AB	YE	26.9	7	-	-	7
1500	148	-	-	-	3675	958	2717	0.26	3.15	1.17	80 GY	AB	AB	RD, YE	27.0	7	-	-	-
1501	148	-	-	-	3325	848	2477	0.26	2.93	1.93	80 GN.PI	AB	AB	YE	27.5	7	7	-	-
1502	151	-	-	-	4910	1213	3697	0.25	3.99	1.63	80 GN.PI	AB	AB	YE	26.9	7	-	-	-
1503	130	173	25	13	4013	765	3248	0.19	2.74	1.40	80 GN	AB	AB	YE	26.9	5	-	-	-
1504	125	165	23	10	2110	655	1455	0.31	2.56	1.60	79 BK	AB	AB	RD, YE	24.8	7	-	-	-
1505	138	179	25	11	2545	715	1830	0.28	2.73	1.53	80 GN.PI	AB	AB	YE	-	7	-	-	-

ILL	TiFl	TiMe	Hgt	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProX	CS	0579	0580	0581
1506	138	179	25	13	2570	485	2085	0.19	2.55	1.33	79	GY	AB	AB	YE	27.1	5	-	-	-
1507	140	179	28	17	2570	505	2065	0.20	3.41	1.43	79	GN.PI	AB	AB	YE	27.7	5	-	-	-
1508	140	173	22	15	2270	665	1605	0.29	2.78	1.83	79	GN.PI	DO	GY	RD.YE	26.8	5	-	-	-
1509	130	168	23	13	1745	420	1325	0.24	3.17	1.40	79	GY	AB	AB	YE	27.2	5	-	-	-
1510	138	179	28	10	2195	600	1595	0.27	4.01	1.60	79	GN.PI	AB	AB	YE	25.8	5	-	-	-
1511	135	179	30	15	2275	575	1700	0.25	3.17	1.47	79	GN.PI	AB	AB	YE	28.0	5	-	-	-
1512	135	179	31	18	2905	560	2345	0.19	4.54	1.27	79	GN.PI	AB	AB	YE	-	5	-	-	-
1513	135	179	23	18	3720	750	2970	0.20	3.92	-	79	GN.PI	AB	AB	YE	26.9	5	-	-	-
1514	151	-	-	-	3743	438	3305	0.12	4.04	1.00	80	GN.PI	AB	AB	YE	27.1	5	-	-	-
1515	145	-	-	-	3528	1090	2438	0.31	4.89	1.00	80	PI	AB	AB	YE	25.4	5	-	-	7
1516	138	-	-	-	5308	1415	3893	0.27	4.44	1.47	80	GN.PI	AB	AB	YE	26.3	3	9	-	-
1517	154	-	-	-	2693	315	2378	0.12	3.37	1.60	80	GY	AB	AB	YE	25.6	5	-	-	-
1518	154	-	-	-	3035	533	2502	0.18	2.32	1.60	80	BN	MA	OL.BK	RD	27.7	7	-	-	-
1519	120	168	28	15	2790	920	1870	0.33	4.62	1.23	79	GN.PI	AB	AB	YE	23.8	7	-	-	9
1520	120	173	32	14	2555	705	1850	0.28	4.78	1.23	79	GN.PI	AB	AB	YE	26.1	5	-	-	9
1521	138	179	31	21	3065	825	2240	0.27	3.14	1.73	79	PI	AB	AB	RD.YE	26.6	3	-	-	-
1522	135	179	32	13	3010	725	2285	0.24	2.52	1.53	79	GN.PI	AB	AB	YE	27.1	5	-	-	-
1523	135	179	31	18	3375	915	2460	0.27	4.20	1.43	80	GN.PI	AB	AB	YE	25.7	3	-	-	3
1524	145	179	27	17	2753	353	2400	0.13	2.76	1.53	80	PI.GY	AB	AB	YE	25.8	5	-	-	3
1525	140	179	28	13	2080	450	1630	0.22	2.91	1.62	79	GN.PI	AB	AB	YE	27.3	5	-	-	-
1526	138	179	25	10	3598	1035	2563	0.29	2.65	1.30	80	GN.PI	AB	AB	YE	27.1	5	-	-	-
1527	151	-	-	-	5300	1270	4030	0.24	3.63	1.80	80	GN.PI	AB	AB	YE	27.3	5	9	-	-
1528	138	179	26	13	2625	630	1995	0.24	3.24	1.53	79	GN.PI	AB	AB	YE	27.9	5	-	-	-
1529	138	179	28	12	2895	850	2045	0.29	3.04	1.83	79	PI	AB	AB	RD.YE	28.3	5	-	-	-
153	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1531	138	173	23	13	1355	315	1040	0.23	2.66	1.47	79	GN	AB	AB	YE	27.0	5	-	-	3
1532	138	179	22	10	1695	435	1260	0.26	2.52	1.50	79	GN	AB	AB	YE	27.3	5	-	-	-
1533	151	-	-	-	4473	963	3510	0.22	3.27	1.73	80	GN	AB	AB	YE	27.3	5	-	-	-
1534	151	-	-	-	4828	1033	3795	0.21	3.00	1.45	80	GN.PI	AB	AB	YE	27.5	5	-	-	-
1535	140	179	26	12	2380	590	1790	0.25	3.01	1.43	79	GN.PI	AB	AB	RD.YE	26.0	5	-	-	3
1536	143	179	26	13	2080	625	1455	0.30	3.13	1.60	79	PI	AB	AB	RD.YE	28.2	5	-	-	3
1537	140	173	28	16	2555	495	2060	0.19	2.94	1.43	79	GN.PI	AB	AB	YE	27.0	7	-	-	7
1538	140	179	27	14	2995	360	2635	0.12	3.39	1.69	79	GN.PI	AB	AB	YE	27.1	7	-	-	3
1539	138	168	23	14	1535	375	1160	0.24	2.81	1.20	79	GN.PI	AB	AB	YE	27.5	5	-	-	-
1540	138	173	25	13	2445	480	1965	0.20	3.06	1.60	79	GN.PI	AB	AB	YE	27.8	5	-	-	7

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
1541	140	173	30	12	3065	480	2585	0.16	3.94	1.40	79 GN.PI	AB	AB	YE	27.1	3	-	-	5
1542	130	168	29	10	2475	710	1765	0.29	4.05	1.53	79 GN.PI	AB	AB	YE	26.3	5	-	-	3
1543	130	179	27	17	2510	535	1975	0.21	4.20	1.47	79 GN.PI	AB	AB	YE	27.5	5	-	-	-
1544	151	-	-	-	4270	555	3715	0.13	3.24	1.33	80 GN.PI	AB	AB	YE	26.2	5	-	-	3
1545	151	-	-	-	3693	928	2765	0.25	2.79	1.63	80 GN	AB	AB	YE	27.6	5	-	-	3
1546	148	-	-	-	4468	1060	3408	0.24	4.42	1.47	80 GN.PI	AB	AB	YE	27.5	5	-	-	7
1547	151	-	-	-	4993	1090	3903	0.22	4.00	1.67	80 PI	AB	AB	YE	27.7	5	-	-	3
1548	145	-	-	-	5743	1643	4100	0.29	3.31	1.60	80 PI	AB	AB	YE	27.2	5	-	-	3
1549	151	-	-	-	4878	1013	3865	0.21	3.07	1.48	80 GN.PI	AB	AB	YE	28.0	7	-	-	7
1550	125	173	31	21	2675	-	-	-	7.08	1.10	79 GN.PI	AB	AB	YE	22.4	3	-	-	-
1551	145	173	20	10	3875	953	2922	0.25	2.49	1.63	80 GN.PI	AB	AB	YE	27.7	5	-	-	5
1552	130	173	23	12	1135	350	785	0.31	2.60	1.53	79 BK	AB	AB	RD	25.7	7	-	-	3
1553	130	173	28	13	2825	1030	1795	0.36	3.88	1.47	79 PI	AB	AB	YE	26.0	5	-	-	5
1554	138	179	23	13	2165	500	1665	0.23	2.52	1.40	79 GN.PI	AB	AB	YE	27.4	5	-	-	5
1555	140	179	25	17	1825	485	1340	0.27	2.59	1.52	79 GN.PI	AB	AB	YE	27.8	5	-	-	3
1556	138	179	24	15	4450	798	3652	0.18	2.74	1.63	80 GN.PI	AB	AB	YE	26.0	5	-	-	3
1557	140	179	26	13	2500	575	1925	0.23	2.66	1.60	79 GN	AB	AB	YE	25.9	5	-	-	3
1558	140	179	26	13	2275	540	1735	0.24	2.76	1.47	79 GN.PI	AB	AB	YE	27.1	5	-	-	3
1559	140	173	23	12	2485	600	1885	0.24	2.50	1.60	79 GN.PI	AB	AB	YE	26.7	5	-	-	3
1560	130	173	24	16	2525	560	1965	0.22	2.78	1.53	79 GN	AB	AB	YE	27.3	5	-	-	3
1561	151	-	-	-	3905	455	3450	0.12	4.19	1.50	80 BN	AB	AB	YE	26.1	5	-	-	5
1562	151	-	-	-	3273	553	2720	0.17	3.18	1.41	80 GN	AB	AB	YE	27.5	7	-	-	5
1563	151	-	-	-	3678	805	2873	0.22	3.37	1.74	80 GN.PI	AB	AB	YE	26.8	5	-	-	7
1564	151	-	-	-	3553	888	2665	0.25	2.53	1.67	80 GN.PI	AB	AB	YE	27.3	-	-	-	7
1565	151	-	-	-	4383	885	3498	0.20	3.17	1.60	80 GN	AB	AB	YE	26.8	5	-	-	5
1566	151	-	-	-	5243	1450	3793	0.28	3.30	1.77	80 PI	AB	AB	YE	28.7	5	-	-	5
1567	130	173	27	18	1860	-	-	-	3.18	-	79 GN.PI	AB	AB	YE	26.2	7	-	-	-
1568	130	173	26	15	2185	500	1685	0.23	3.09	1.37	79 PI	AB	AB	YE	26.9	7	-	-	5
1569	151	-	-	-	5540	1230	4310	0.22	3.18	1.40	80 GN.PI	AB	AB	YE	28.4	7	-	-	5
1570	125	168	28	15	1265	390	875	0.31	2.28	1.83	79 BK	AB	AB	RD	23.6	7	-	-	3
1571	130	168	28	15	1405	355	1050	0.25	3.17	1.72	79 BK	AB	AB	RD	25.6	7	-	-	3
1572	125	168	29	14	1575	475	1100	0.30	2.36	1.63	79 BK	AB	AB	RD, YE	24.8	7	-	-	3
1573	143	179	25	13	1950	510	1440	0.26	2.91	1.60	79 GY	AB	AB	YE	27.3	7	-	-	3
1574	130	168	32	14	2875	-	-	-	5.30	1.18	79 GN.PI	AB	AB	YE	26.9	5	-	-	7
1575	130	168	31	17	4375	930	3445	0.21	4.20	1.57	80 GN.PI	AB	AB	YE	25.7	5	-	-	5

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
1576	130	162	30	19	1770	600	1170	0.34	2.42	1.34	79	BK	AB	AB	RD, YE	24.4	7	-	-	5
1577	138	-	-	-	3138	918	2220	0.29	2.03	1.53	80	PI	AB, SP	AB, GY	RD, YE	26.7	5	7	-	-
1578	151	-	-	-	3985	740	3245	0.19	3.37	1.57	80	GY	AB	AB	YE	27.5	5	5	-	-
1579	133	-	-	-	3390	1093	2297	0.32	2.61	1.72	80	BK	AB	AB	RD	24.2	5	-	-	-
1580	151	-	-	-	3970	805	3165	0.20	2.95	1.50	80	GY	AB	AB	YE	27.6	7	7	-	-
1581	151	-	-	-	2890	608	2282	0.21	2.95	1.43	80	GN	AB	AB	YE	26.4	7	9	-	-
1582	130	162	29	17	2975	953	2022	0.32	2.56	1.75	80	BK	AB	AB	RD	26.4	7	-	-	-
1583	125	168	31	15	2750	710	2040	0.26	5.11	-	79	GN, PI	AB	AB	YE	25.3	3	-	-	-
1584	140	173	31	14	1985	455	1530	0.23	3.08	1.57	79	GY	AB	AB	YE	26.9	5	-	-	-
1585	151	-	-	-	4328	543	3785	0.13	3.31	1.77	80	PI	AB	AB	RD	24.3	5	-	-	-
1586	138	-	-	-	4153	1013	3140	0.24	2.48	1.80	80	BK	AB	AB	RD	25.4	7	-	-	-
1587	141	-	-	-	3735	890	2845	0.24	4.56	1.47	80	GN, PI	AB	AB	YE	24.8	5	-	-	-
1588	130	165	28	10	2255	630	1625	0.28	2.77	1.72	79	BK	AB	AB	RD	24.3	7	-	-	-
1589	145	179	23	12	1920	460	1460	0.24	2.77	1.37	79	GY	AB	AB	RD, YE	-	7	-	-	-
1590	138	173	26	8	2175	550	1625	0.25	2.84	1.43	79	PI, GY	AB, SP	AB, GY	RD, YE	26.5	7	-	-	-
1591	130	173	30	12	2920	800	2120	0.27	4.17	1.43	79	GN, PI	AB	AB	YE	25.6	5	-	-	-
1592	135	173	26	11	2668	618	2050	0.23	2.57	1.53	80	GN, PI	AB	AB	YE	27.6	7	-	-	-
1593	143	173	26	13	2265	510	1755	0.23	2.54	1.23	79	GY	AB	AB	YE	26.7	7	-	-	-
1594	154	-	-	-	435	125	310	0.29	2.76	1.67	80	GY	MA	BN	RD	26.0	7	7	-	-
1595	151	-	-	-	2620	765	1855	0.29	2.76	1.30	80	GN	AB	AB	YE	27.3	7	5	-	-
1596	151	-	-	-	4750	1383	3367	0.29	3.99	1.57	80	GN, PI	AB	AB	YE	26.6	5	5	-	-
1597	151	-	-	-	4928	1323	3605	0.27	3.33	1.70	80	GN, PI	AB	AB	YE	26.4	5	-	-	-
1598	151	-	-	-	5158	1083	4075	0.21	3.26	1.77	80	GN, PI	AB	AB	YE	27.7	5	-	-	-
1599	154	-	-	-	4403	925	3478	0.21	3.46	1.60	80	GN, PI	AB	AB	YE	28.3	5	9	-	-
1600	151	-	-	-	3900	543	3357	0.14	5.13	1.10	80	PI	AB	AB	YE	25.8	7	5	-	-
1601	154	-	-	-	4513	795	3718	0.18	2.99	1.57	80	BN	AB	AB	RD	26.5	5	9	-	-
1602	154	-	-	-	3238	650	2588	0.20	3.16	1.67	80	GN	AB	AB	YE	26.9	7	-	-	-
1603	151	-	-	-	4458	795	3663	0.18	3.31	1.63	80	GY	AB	AB	YE	26.7	7	7	-	-
1604	151	-	-	-	5770	1270	4500	0.22	3.63	1.67	80	GN, PI	AB	AB	YE	26.0	5	7	-	-
1605	148	-	-	-	4868	1223	3645	0.25	3.57	1.63	80	GN, PI	AB	AB	YE	25.8	5	9	-	-
1606	154	-	-	-	3163	575	2588	0.18	2.69	1.53	80	GN	AB	AB	YE	27.8	5	-	-	-
1607	151	-	-	-	6182	1760	4422	0.28	3.46	1.53	80	GN, PI	AB	AB	YE	26.3	5	7	-	-
1608	154	-	-	-	6713	1298	5415	0.19	2.62	1.30	80	BN	AB	AB	RD	24.5	5	-	-	-
1609	130	179	33	20	4320	-	-	-	5.38	1.30	79	GN, PI	AB	AB	YE	24.6	3	-	7	-
1610	140	173	32	13	3455	805	2650	0.23	2.69	1.50	79	GN, PI	AB	AB	YE	24.2	5	-	-	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
1611	130	173	32	16	3035	845	2190	0.28	3.59	1.53	79 GN.PI	AB	AB	YE	26.7	5	-	-	-
1612	140	179	34	19	3290	435	2855	0.13	3.62	1.43	79 GN.PI	AB	AB	YE	25.9	3	-	-	-
1613	151	-	-	-	7055	1640	5415	0.23	3.31	1.66	80 PI	AB	AB	RD.YE	29.0	5	-	-	-
1614	151	-	-	-	5450	1355	4095	0.25	2.92	1.87	80 GN.PI	AB	AB	RD.YE	28.2	7	-	-	-
1615	151	-	-	-	4725	1278	3447	0.27	2.98	1.57	80 GY	AB	AB	YE	27.5	7	-	-	-
1616	138	173	28	14	2595	625	1970	0.24	4.04	1.30	79 GN.PI	AB	AB	YE	27.5	7	-	-	-
1617	151	-	-	-	4805	1305	3500	0.27	2.83	1.63	80 GN	AB	AB	YE	27.8	7	7	-	-
1618	151	-	-	-	4243	1045	3198	0.25	3.39	1.43	80 BN	AB	AB	YE	27.7	7	9	-	-
1619	138	173	22	12	2675	675	2000	0.25	3.47	1.63	79 GN.PI	AB	AB	YE	27.8	-	-	-	-
1620	125	173	29	14	5163	1703	3460	0.33	4.24	1.36	80 PI	AB	AB	YE	25.0	5	-	-	-
1621	140	173	22	15	4123	1113	3010	0.27	2.63	1.30	80 GN	AB	AB	YE	27.9	5	-	-	-
1622	138	168	25	15	2700	725	1975	0.27	2.48	1.33	79 GN.PI	AB	AB	YE	27.5	5	-	-	-
1623	151	-	-	-	3283	980	2303	0.30	2.92	1.52	80 GN	MA	OL	YE	28.0	7	-	-	-
1624	151	-	-	-	4735	1298	3437	0.27	3.03	1.43	80 GN	AB	AB	YE	27.3	7	-	-	-
1625	156	-	-	-	4318	1060	3258	0.25	2.82	1.70	80 BN	MA	BN	RD	26.6	7	-	-	-
1626	151	-	-	-	4303	1138	3165	0.26	3.22	1.83	80 GN	AB	AB	YE	27.8	5	-	-	-
1627	151	-	-	-	4838	1318	3520	0.27	3.09	1.60	80 GN	MA	OL	YE	27.0	5	5	-	-
1628	151	-	-	-	5175	1323	3852	0.26	3.01	1.67	80 GN	AB	AB	YE	27.7	7	-	-	-
1629	154	-	-	-	4533	1078	3455	0.24	2.81	1.57	80 GN	AB	AB	YE	28.1	7	-	-	-
1630	154	-	-	-	4353	990	3363	0.23	2.86	1.70	80 BN	MA	BN	YE	27.9	7	-	-	-
1631	154	-	-	-	4995	1365	3630	0.27	2.76	1.40	80 GN.PI	AB	AB	RD.YE	-	7	5	-	-
1632	151	-	-	-	3733	1090	2643	0.29	2.76	1.17	80 GN	AB	AB	YE	-	7	7	-	-
1633	143	173	25	12	3843	1388	2455	0.36	2.53	1.63	80 GN.PI	AB	AB	YE	-	7	-	-	-
1634	147	173	25	14	2375	675	1700	0.28	2.18	1.63	79 BN	MA	BN	RD	27.3	7	-	-	-
1635	145	173	25	12	2365	550	1815	0.23	2.45	1.43	79 GN	AB	AB	YE	28.9	7	-	-	-
1636	145	173	22	13	1785	370	1415	0.21	2.52	1.30	79 GN	AB	AB	YE	-	7	-	-	-
1637	140	173	26	13	2490	650	1840	0.26	2.55	1.23	79 GN	AB	AB	YE	28.1	7	-	-	-
1638	140	173	27	14	3645	1010	2635	0.28	3.54	1.50	79 PI	AB	AB	YE	25.9	5	-	-	-
1639	148	-	-	-	1675	500	1175	0.30	2.68	1.57	80 GN.PI	AB	AB	YE	28.6	7	-	-	-
1640	151	-	-	-	1388	460	928	0.33	2.93	1.20	80 GN.PI	AB	AB	RD.YE	28.3	7	-	-	-
1641	151	-	-	-	2440	763	1677	0.31	2.99	1.53	80 GN	AB	AB	YE	27.6	5	7	-	-
1642	151	-	-	-	2023	650	1373	0.32	3.00	1.30	80 GN	AB	AB	YE	27.5	7	-	-	-
1643	143	173	22	17	2365	500	1865	0.21	2.14	1.43	79 BN	MA	BN	RD	27.0	7	-	-	-
1644	135	179	27	19	3705	-	-	-	6.15	1.13	79 PI	AB	AB	YE	25.9	3	-	-	9
1645	138	-	-	-	3700	1380	2320	0.37	6.17	1.13	80 PI	AB	AB	YE	-	3	-	-	5

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
1646	122	168	28	18	3313	1037	2276	0.31	5.02	1.43	82	GN.PI	AB	AB	YE	25.9	5	-	-	-
1647	138	-	-	-	4740	1570	3170	0.33	5.23	1.47	80	PI	AB	AB	YE	25.2	7	-	-	3
1648	138	-	-	-	3420	1588	1832	0.46	5.48	1.20	80	PI	AB	AB	YE	25.0	5	-	-	5
1649	147	-	-	-	3690	1500	2190	0.41	3.81	1.13	80	PI	SP	BK	RD	25.6	5	5	-	-
1650	151	-	-	-	3068	705	2363	0.23	4.06	1.33	80	PI	AB	AB	YE	26.8	7	5	-	-
1651	138	-	-	-	2928	875	2053	0.30	4.81	1.17	80	PI	AB	AB	YE	-	7	-	-	-
1652	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1653	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1654	135	173	34	17	3300	935	2365	0.28	3.86	1.17	79	PI	SP	BK	RD	25.8	5	-	-	-
1655	120	162	31	17	3740	1300	2440	0.35	3.34	1.63	79	PI	AB	AB	YE	25.9	5	-	-	-
1656	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-
1657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1658	147	173	22	12	2738	945	1793	0.35	2.07	1.53	80	BN	AB	AB	RD	26.6	5	-	-	-
1659	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1661	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1662	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1663	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1664	150	173	25	13	2115	600	1515	0.28	2.11	1.38	79	PI	AB	AB	RD	27.2	5	-	-	-
1665	140	168	26	13	1980	713	1267	0.36	2.04	2.00	80	PI	DO	GY	RD	26.8	7	-	-	-
1666	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1667	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1668	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1669	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1670	138	179	30	16	3200	870	2330	0.27	2.98	1.50	79	GN.PI	AB	AB	YE	27.6	7	-	-	-
1671	138	179	31	19	3690	1085	2605	0.29	3.18	1.27	79	PI	AB	AB	YE	26.1	7	-	-	-
1672	115	154	25	9	1625	750	875	0.46	2.65	1.55	79	BN	DO	GY	RD	23.6	7	-	-	-
1673	115	154	20	9	1905	975	930	0.51	3.03	1.37	79	BN	DO	GY	RD	22.2	7	-	-	-
1674	120	154	24	9	3425	1410	2015	0.41	3.05	1.30	79	BN	DO	GY	RD	23.0	7	5	-	-
1675	126	-	-	-	2955	1215	1740	0.41	3.00	1.55	80	BN	DO	GY	RD	23.1	7	-	-	-
1676	126	-	-	-	2175	960	1215	0.44	3.01	1.63	80	BN	DO	GY	RD	24.2	7	-	-	-
1677	126	-	-	-	2795	1225	1570	0.44	2.65	1.20	80	BN	DO	GY	RD	24.2	7	5	-	-
1678	133	-	-	-	2315	920	1395	0.40	2.50	1.63	80	BN	DO	GY	RD	25.1	7	-	-	-
1679	133	-	-	-	2718	1245	1473	0.46	2.86	1.63	80	BN	DO	GY	RD	23.9	7	-	-	-
1680	115	154	24	12	3040	1475	1565	0.49	3.25	1.62	79	BN	DO	GY	RD	23.8	7	5	-	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
1681	115	154	28	13	3745	1825	1920	0.49	3.16	1.17	79 BN	DO	GY	RD	22.5	7	5	-	-
1682	120	157	31	16	3040	1345	1695	0.44	2.90	1.60	79 BN	DO	GY	RD	-	7	-	-	-
1683	115	154	20	10	1845	880	965	0.48	2.77	1.63	79 BN	DO	GY	RD	23.0	7	-	-	-
1684	115	154	25	12	2025	955	1070	0.47	2.85	1.59	79 BN	DO	GY	RD	23.4	7	-	-	-
1685	115	154	25	10	2390	1075	1315	0.45	2.75	1.30	79 BN	DO	GY	RD	23.3	7	-	-	-
1686	115	154	25	11	2360	1715	645	0.73	2.91	1.37	79 BN	DO	GY	RD	23.6	7	5	-	-
1687	115	154	26	12	3210	1455	1555	0.52	3.11	1.43	79 BN	DO	GY	RD	24.7	7	5	-	-
1688	115	154	28	13	3235	1455	1780	0.45	3.25	1.50	79 BN	DO	GY	RD	25.1	7	5	-	-
1689	115	154	21	8	4728	2150	2578	0.45	2.80	1.33	80 BN	DO	GY	RD	25.4	7	-	-	-
1690	115	154	24	10	2930	1390	1540	0.47	3.03	1.40	79 BN	DO	GY	RD	23.6	7	5	-	-
1691	115	154	23	12	2010	925	1085	0.46	2.84	1.43	79 BN	DO	GY	RD	21.9	7	-	-	-
1692	115	154	24	10	2385	1090	1295	0.46	2.24	1.17	79 BN	DO	GY	RD	-	7	-	-	-
1693	133	-	-	-	5993	2583	3410	0.43	2.93	1.63	80 BN	DO	GY	RD	23.7	7	-	-	-
1694	133	-	-	-	5823	2258	3565	0.39	3.01	1.30	80 BN	DO	GY	RD	23.5	7	-	-	-
1695	126	-	-	-	4915	2170	2745	0.44	3.15	1.37	80 BN	DO	GY	RD	23.1	7	-	-	-
1696	115	154	25	13	2550	1275	1275	0.5	3.32	1.43	79 BN	DO	GY	RD	24.1	7	-	-	-
1697	115	154	23	12	1465	575	890	0.39	2.69	1.70	79 BN	DO	GY	RD	-	7	-	-	-
1698	120	154	26	12	2085	855	1230	0.41	2.71	1.57	79 BN	DO	GY	RD	25.0	7	-	-	-
1699	115	154	27	11	2045	885	1160	0.43	2.87	1.50	79 BN	DO	GY	RD	24.4	7	-	-	-
1700	115	154	23	12	2265	1035	1230	0.46	2.74	1.57	79 BN	DO	GY	RD	22.6	7	-	-	-
1701	115	154	27	12	1965	930	1035	0.47	2.92	1.47	79 BN	DO	GY	RD	23.8	7	-	-	-
1702	115	154	24	11	2510	1175	1335	0.47	3.24	1.63	79 BN	DO	GY	RD	23.0	7	-	-	-
1703	120	154	25	10	1395	625	770	0.45	2.86	1.53	79 BN	DO	GY	RD	24.5	7	-	-	-
1704	115	154	22	12	2110	1050	1060	0.5	3.02	1.45	79 BN	DO	GY	RD	23.7	7	-	-	-
1705	115	154	21	12	1210	500	710	0.41	3.32	1.50	79 BN	DO	GY	RD	23.3	7	-	-	-
1706	115	154	25	12	1790	875	915	0.49	3.15	1.53	79 BN	DO	GY	RD	23.4	7	-	-	-
1707	115	154	24	8	1980	690	1290	0.35	2.71	1.77	79 BN	DO	GY	RD	23.5	7	5	-	-
1708	120	154	22	11	2465	1190	1275	0.48	3.23	1.62	79 BN	DO	GY	RD	22.9	7	-	-	-
1709	115	154	25	8	1955	1000	955	0.51	3.15	1.67	79 BN	CO	BK	RD	24.0	7	-	-	-
1710	120	154	28	12	2550	1235	1315	0.48	3.10	1.57	79 BN	DO	GY	RD	23.7	7	-	-	-
1711	115	154	23	10	1700	825	875	0.49	3.08	1.45	79 BN	DO	GY	RD	24.7	7	-	-	-
1712	115	154	25	10	2455	1220	1235	0.5	3.35	1.27	79 BN	DO	GY	RD	24.0	7	-	-	-
1713	115	154	26	10	3240	1620	1620	0.5	3.20	1.53	79 BN	DO	GY	RD	23.6	7	-	-	-
1714	115	154	24	9	2435	1165	1270	0.48	3.09	1.37	79 BN	DO	GY	RD	22.6	5	-	-	-
1715	115	154	26	12	2565	1245	1320	0.49	2.93	1.23	79 BN	DO	GY	RD	24.1	5	-	-	-

ILL	TiFl	TiNa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
1716	115	154	28	11	2545	1035	1510	0.41	3.34	1.53	79	BN	DO	GY	RD	22.0	5	-	-	-
1717	115	154	25	11	3100	1510	1590	0.49	3.30	1.50	79	BN	DO	GY	RD	21.9	7	-	-	-
1718	115	154	26	11	2685	1175	1510	0.44	3.10	1.40	79	BN	DO	GY	RD	22.9	5	-	-	-
1719	115	154	26	14	2115	925	1190	0.44	2.90	1.30	79	BN	DO	GY	RD	23.5	5	-	-	-
1720	115	154	23	10	2380	1075	1305	0.45	2.77	1.40	79	BN	DO	GY	RD	22.5	5	-	-	-
1721	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1722	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1724	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1725	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1726	115	154	24	12	2485	1095	1390	0.44	3.01	1.33	79	BN	DO	GY	RD	22.1	5	-	-	-
1727	131	-	-	-	5003	2043	2960	0.41	2.68	1.53	80	BN	DO	GY	RD	20.9	7	-	-	-
1728	131	-	-	-	4810	2045	2765	0.43	2.84	1.37	80	BN	DO	GY	RD	22.3	7	-	-	-
1729	126	-	-	-	3138	1290	1848	0.41	2.87	1.37	80	BN	DO	GY	RD	22.1	7	-	-	-
1730	131	-	-	-	3525	1330	2195	0.38	2.72	1.53	80	BN	DO	GY	RD	22.6	7	-	-	-
1731	115	154	26	12	2460	1055	1405	0.43	3.00	1.60	79	BN	DO	GY	RD	22.0	7	-	-	-
1732	115	154	26	10	2620	1620	1000	0.62	3.07	1.33	79	BN	DO	GY	RD	21.8	7	-	-	-
1733	120	154	23	9	2840	1405	1435	0.49	3.08	1.40	79	BN	DO	GY	RD	21.0	7	-	-	-
1734	120	154	23	9	2690	1325	1365	0.49	3.00	1.59	79	BN	DO.CO	BK	RD	21.9	7	-	-	-
1735	115	154	24	8	2845	1365	1480	0.48	3.15	1.50	79	BN	DO	GY	RD	22.2	7	-	-	-
1736	115	154	24	11	2455	1230	1225	0.5	2.76	1.57	79	BN	DO	GY	RD	23.1	7	-	-	-
1737	115	157	27	9	3345	1500	1845	0.45	2.81	1.59	79	BN	DO	GY	RD	22.9	7	-	-	-
1738	115	157	28	13	3825	1665	2160	0.44	3.61	1.30	79	BN	DO	GY	RD	21.8	7	-	-	-
1739	115	154	27	10	3250	1480	1770	0.46	2.96	1.60	79	BN	DO	GY	RD	20.9	7	-	-	-
1740	115	154	27	12	3240	1515	1725	0.47	3.12	1.75	79	BN	DO	GY	RD	23.6	7	-	-	-
1741	120	157	26	12	3080	1375	1705	0.45	2.84	1.57	79	BN	DO	GY	RD	20.5	7	5	-	-
1742	131	-	-	-	3358	1425	1933	0.42	2.70	1.63	80	BN	DO	GY	RD	21.0	7	5	-	-
1743	131	-	-	-	4913	2210	2703	0.45	2.90	1.30	80	BK	AB	AB	RD	20.9	5	-	-	-
1744	131	-	-	-	3848	1755	2093	0.46	2.99	1.43	80	BN	DO	GY	RD	20.6	5	-	-	-
1745	131	-	-	-	3948	1775	2173	0.45	2.87	1.63	80	BN	DO	GY	RD	20.6	7	-	-	-
1746	131	-	-	-	4665	2170	2495	0.47	2.97	1.67	80	BN	DO	GY	RD	22.5	7	-	-	-
1747	120	154	27	11	2515	1145	1370	0.46	2.64	1.53	79	BK	AB	AB	RD	22.2	7	5	-	-
1748	120	154	27	10	4483	2035	2448	0.45	2.87	1.33	80	BN	DO	GY	RD	21.6	7	-	-	-
1749	120	154	23	9	2225	970	1255	0.44	2.97	1.63	79	BK	AB	AB	RD	21.2	5	-	-	-
1750	150	179	23	9	2100	640	1460	0.30	2.44	1.69	79	PI	AB.DO	AB.GY	RD	23.1	5	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
1751	140	173	36	11	1895	600	1295	0.32	2.17	1.57	79	PI	DO	GY	RD	25.4	7	-	-	-
1752	-	-	-	-	4420	1445	2975	0.33	2.34	1.41	80	PI	DO	GY	RD	25.4	5	-	-	-
1753	140	173	28	13	2600	1925	675	0.74	2.09	1.80	79	PI	DO	GY	RD	25.0	5	-	-	-
1754	138	173	32	14	2350	465	1885	0.20	1.84	1.59	79	PI	DO,MA	GY,BK	RD	25.1	5	-	-	-
1755	145	173	28	10	2035	410	1625	0.20	1.93	1.77	79	PI	DO	GY	RD	25.4	7	-	-	-
1756	150	173	22	12	1525	150	1375	0.10	2.14	1.73	79	PI	AB,DO	AB,GY	RD	-	5	-	-	-
1757	138	168	31	12	2900	900	2000	0.31	2.08	1.67	79	PI	DO	GY	RD	25.0	5	-	-	-
1758	145	173	21	12	2553	770	1783	0.30	2.09	1.67	80	PI	DO	GY	RD	26.7	5	-	-	-
1759	151	-	-	-	3608	1305	2303	0.36	2.79	1.60	80	PI	DO,SP	GY,BK	RD	24.2	5	7	-	-
1760	151	-	-	-	3860	1280	2580	0.33	2.99	1.50	80	PI	SP	BK	RD	24.3	3	-	-	-
1761	148	-	-	-	3975	1345	2630	0.34	2.85	1.60	80	PI	SP	BK	RD	24.2	5	5	-	-
1762	151	-	-	-	3610	1328	2282	0.37	2.47	1.72	80	PI	AB,DO	AB,GY	RD	24.0	5	9	-	-
1763	154	-	-	-	2035	530	1505	0.26	2.46	1.45	80	PI	AB	AB	RD	22.8	5	9	-	-
1764	154	-	-	-	1775	540	1235	0.30	2.46	1.17	80	PI	AB	AB	RD	25.6	5	7	-	-
1765	154	-	-	-	2170	738	1432	0.34	2.53	1.57	80	PI	AB	AB	RD	24.6	5	9	-	-
1766	131	-	-	-	1348	593	755	0.44	1.10	1.60	80	BK	AB	AB	RD	24.0	7	-	-	-
1767	135	-	-	-	2575	1183	1392	0.46	2.29	1.77	80	PI	SP,MA	GY,BK	RD	-	7	5	-	-
1768	151	-	-	-	2330	828	1502	0.36	2.27	1.70	80	PI	DO	GY	RD	25.4	7	7	-	-
1769	135	168	29	19	3030	870	2160	0.29	2.13	1.48	79	PI	DO	GY	RD	26.0	7	5	-	-
1770	140	170	28	14	2385	795	1590	0.33	1.99	1.60	79	PI	DO	GY	RD	26.4	7	-	-	-
1771	138	168	29	13	3905	1313	2592	0.34	2.03	1.59	80	PI	DO	GY	RD	25.0	7	-	-	-
1772	140	168	29	11	2958	995	1963	0.34	2.04	1.83	80	PI	DO	GY	RD	26.0	7	-	-	-
1773	151	-	-	-	4680	1515	3165	0.32	2.07	1.60	80	PI	DO	GY	RD	25.4	7	7	-	-
1774	151	-	-	-	4075	1330	2745	0.33	2.15	1.67	80	PI	DO	GY	RD	25.1	7	5	-	-
1775	151	-	-	-	4203	1135	3068	0.27	2.00	1.67	80	PI	DO	GY	RD	25.5	7	5	-	-
1776	140	169	28	11	2155	675	1480	0.31	1.98	1.80	79	PI	DO	GY	RD	27.9	7	-	-	-
1777	147	-	-	-	4873	1275	3598	0.26	2.16	1.80	80	PI	DO	GY	RD	26.3	5	7	-	-
1778	151	-	-	-	4090	1418	2672	0.35	1.90	1.77	80	PI	DO	GY	RD	27.3	7	9	-	-
1779	154	-	-	-	4760	1500	3260	0.32	2.05	1.50	80	PI	DO	GY	RD	26.9	7	7	-	-
1780	135	166	29	12	2060	650	1410	0.32	1.63	1.66	79	PI	AB	AB	RD	25.7	7	-	-	-
1781	151	-	-	-	4155	1010	3145	0.24	2.42	1.65	80	PI	DO	GY	RD	26.2	7	7	-	-
1782	138	173	28	10	2395	605	1790	0.25	1.94	1.40	79	PI	DO	GY	RD	27.1	7	-	-	-
1783	145	173	24	12	2440	365	2075	0.15	1.75	1.57	79	PI	DO	GY	RD	27.9	7	-	-	-
1784	154	-	-	-	3930	538	3392	0.14	2.58	1.60	80	PI	DO	GY	RD	29.0	7	7	-	-
1785	145	-	-	-	3768	863	2905	0.23	2.68	1.60	80	PI	DO	GY	RD	28.5	7	9	-	-

ILL	TiF1	TiMa	Hgt	LPH	RiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	ColCol	Proz	CS	OS79	OS80	OS81
1786	154	-	-	-	5145	1525	3620	0.30	2.31	1.80	80	PI	DO	GY	RD	26.3	7	9	-	-
1787	151	-	-	-	3875	1045	2830	0.27	2.33	1.80	80	PI	DO	GY	RD	25.6	7	5	-	-
1788	151	-	-	-	7030	2093	4937	0.30	2.64	1.47	80	PI	DO	GY	RD	24.1	7	-	-	-
1789	154	-	-	-	6820	2045	4775	0.30	2.43	1.53	80	PI	DO,SP	BK	RD	23.6	5	-	-	-
1790	154	-	-	-	5655	1495	4160	0.26	2.51	1.50	80	GN,PI	AB,DO,SP	AB,GY,BK	RD	24.1	5	-	-	-
1791	151	-	-	-	6080	1838	4242	0.30	2.79	1.57	80	PI	AB,SP	AB,BK	RD	24.5	5	7	-	-
1792	151	-	-	-	4800	1540	3260	0.32	2.69	1.50	80	PI	DO	GY	RD	25.1	7	7	-	-
1793	154	-	-	-	5443	893	4550	0.16	2.48	1.43	80	GN	DO	GY	YE	23.6	7	-	-	-
1794	154	-	-	-	5073	1500	3573	0.30	2.25	1.50	80	GN,PI	SP	BK	RD,YE	24.0	7	7	-	-
1795	150	179	24	14	2690	590	2100	0.22	2.23	1.17	79	PI	AB,DO	AB,GY	RD	24.1	7	-	-	-
1796	147	173	23	15	2640	700	1940	0.27	2.07	1.50	79	GN	SP	BK	RD	23.8	7	-	-	-
1797	145	173	28	15	3200	685	2515	0.21	2.42	1.73	79	BN,GY	MA	BK	RD	26.0	7	-	-	-
1798	147	173	29	17	2800	640	2160	0.23	2.55	1.83	79	BN	MA	BK	RD	24.8	7	-	-	-
1799	143	173	31	20	4365	1165	3200	0.27	2.56	1.48	80	BN	MA	BK	RD	24.3	7	-	-	-
1800	143	179	29	17	2335	450	1885	0.19	2.41	1.23	79	BN	MA	BK	RD	24.2	7	-	-	-
1801	154	-	-	-	5495	1420	4075	0.26	2.57	1.83	80	PI	DO	GY	RD	24.9	7	-	-	-
1802	150	179	22	13	1345	375	970	0.28	2.49	1.60	79	BN	MA	BK	RD	-	7	-	-	-
1803	150	179	23	12	1180	300	880	0.25	2.66	1.43	79	PI	DO	GY	RD	23.1	5	-	-	-
1804	154	-	-	-	3885	1090	2795	0.28	2.70	1.62	80	PI	DO	GY	RD	-	5	-	-	-
1805	158	-	-	-	5010	843	4167	0.17	2.78	1.57	80	BN	AR,SP	AB,BK	RD	24.9	7	-	-	-
1806	160	-	-	-	3983	540	3443	0.14	2.71	1.70	80	PI	AB,DO	AB,GY	RD	25.4	5	-	-	-
1807	131	172	25	19	2047	557	1490	0.27	2.41	1.80	82	PI	AB,DO	AB,GY	RD	25.4	5	-	-	-
1808	162	-	-	-	3735	480	3255	0.13	2.71	1.51	80	PI	AB,DO	AB,GY	RD	25.1	7	-	-	-
1809	162	-	-	-	3975	545	3430	0.14	2.58	1.66	80	PI	AB,DO	AB,GY	RD	25.2	7	-	-	-
1810	160	-	-	-	3855	610	3245	0.16	2.62	1.67	80	PI	AB,DO,SP	AB,GY	RD	24.5	7	-	-	-
1811	154	-	-	-	5248	1328	3920	0.25	2.55	1.59	80	PI	DO	GY	RD	-	5	-	-	-
1812	154	-	-	-	5190	1335	3855	0.26	2.60	1.60	80	PI	MA	BK	RD	25.0	5	-	-	-
1813	154	-	-	-	5250	1048	4202	0.20	2.65	1.31	80	PI	DO	GY	RD	24.1	5	-	-	-
1814	145	173	29	19	1805	260	1545	0.14	2.34	1.57	79	PI	CO	BN,BK	RD	23.0	5	9	-	-
1815	154	-	-	-	4988	1155	3833	0.23	2.86	1.30	80	PI	DO	GY	RD	25.0	5	9	-	-
1816	150	179	29	17	4878	1230	3648	0.25	2.36	1.57	80	PI	DO	GY	RD	22.7	5	-	-	-
1817	150	179	28	15	4753	1190	3563	0.25	2.51	1.52	80	PI	DO,SP	GY	RD	24.5	7	-	-	-
1818	150	179	30	17	2950	900	2050	0.31	2.26	1.60	79	PI	DO,SP	GY	RD	26.5	5	9	-	-
1819	150	179	28	18	4863	1065	3798	0.22	2.41	1.63	80	PI	DO,MA	GY,BK	RD	-	5	-	-	-
1820	150	179	30	15	2100	660	1440	0.31	2.50	1.41	79	PI	DO,MA	GY,BK	-	-	5	-	-	-

ILL	Tifl	Tina	Hdt	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	Proz	CS	OS79	OS80	OS81
1821	147	173	28	16	4403	1365	3038	0.31	2.25	1.60	80	PI	DO	GY	RD	-	5	-	-	-
1822	151	-	-	-	5263	1088	4195	0.20	2.73	1.53	80	PI	DO	GY	RD	-	5	7	-	-
1823	151	-	-	-	5250	1340	3910	0.26	2.85	1.28	80	PI	DO	GY	RD	23.9	5	5	-	-
1824	151	-	-	-	5223	965	4258	0.18	2.90	1.70	80	PI	DO,SP	BN	RD	24.9	5	5	-	-
1825	140	179	26	18	1895	-	-	-	6.93	1.13	79	PI	AB	AB	YE	-	3	-	-	7
1826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1827	141	-	-	-	6833	1450	5383	0.21	6.79	1.17	80	PI	AB	AB	YE	-	3	-	-	5
1828	158	-	-	-	5008	405	4603	0.08	6.22	1.07	80	PI	AB	AB	YE	-	3	-	-	-
1829	130	179	28	20	3185	470	2715	0.15	5.73	1.00	79	PI	AB	AB	YE	25.2	3	-	-	7
1830	130	179	27	20	3140	-	-	-	6.02	1.00	79	GN	AB	AB	YE	23.7	5	-	-	5
1831	147	-	-	-	6508	1070	5438	0.16	6.22	1.00	80	PI	AB	AB	YE	25.5	3	7	-	-
1832	-	-	-	-	-	-	-	-	-	-	-	GN	AB	AB	YE	-	3	5	-	-
1833	138	-	-	-	4398	1200	3198	0.27	5.65	1.10	80	GN,PI	AB	AB	YE	-	3	-	-	9
1834	141	-	-	-	4485	1353	3132	0.30	6.12	1.07	80	PI	AB	AB	YE	25.3	3	-	-	7
1835	151	-	-	-	4950	1535	3415	0.31	5.99	1.13	8	-	-	-	-	-	3	-	-	-
1836	135	179	31	19	3435	-	-	-	6.11	1.20	79	PI	AB	AB	YE	24.6	3	-	-	9
1837	145	-	-	-	3683	1800	1883	0.49	5.91	1.00	80	PI	AB	AB	YE	23.2	3	7	-	-
1838	145	-	-	-	3780	1088	2692	0.29	6.30	1.20	80	PI	AB	AB	YE	24.3	3	-	-	9
1839	122	168	29	21	4513	1430	3083	0.32	6.78	1.00	82	GN,PI	AB	AB	YE	-	3	-	-	-
1840	149	-	-	-	6483	1230	5253	0.19	5.96	1.10	80	PI	AB	AB	YE	-	3	-	-	5
1841	151	-	-	-	4945	785	4160	0.16	6.22	1.07	80	PI	AB	AB	YE	-	3	5	-	-
1842	141	-	-	-	6923	1865	5058	0.27	5.88	1.00	80	PI	AB	AB	YE	24.9	3	5	-	-
1843	145	-	-	-	6168	2013	4155	0.33	6.03	1.03	80	PI	AB	AB	YE	25.7	3	9	-	-
1844	145	-	-	-	3363	1288	2095	0.38	6.09	1.00	80	PI	AB	AB	YE	24.8	3	5	-	-
1845	145	-	-	-	5460	1500	3960	0.27	6.56	1.03	80	PI	AB	AB	YE	-	3	5	-	-
1846	138	-	-	-	4618	650	3968	0.14	6.37	1.10	80	PI	AB	AB	YE	26.0	3	-	-	7
1847	145	-	-	-	6045	1385	4660	0.23	5.86	1.07	80	PI	AB	AB	YE	25.2	3	-	-	7
1848	145	-	-	-	3850	1220	2630	0.32	6.42	1.03	80	PI	AB	AB	YE	24.3	3	-	-	7
1849	130	179	30	16	2700	-	-	-	5.47	-	79	GN,PI	AB	AB	YE	26.3	3	-	-	-
1850	130	173	25	14	1510	300	1210	0.20	2.56	1.57	79	PI	AB,SP	AB,GY	RD	-	5	-	-	-
1851	151	-	-	-	5448	1305	4143	0.24	5.23	1.07	80	GN,PI	AB	AB	YE	-	5	-	-	-
1852	130	168	25	12	2005	480	1525	0.24	1.90	1.80	79	PI	AB,SP	AB,GY	RD	25.9	5	-	-	-
1853	120	168	26	12	4358	1358	3000	0.31	3.96	1.30	79	GN,PI	AB	AB	YE	25.0	5	-	-	-
1854	130	179	30	19	2420	-	-	-	5.50	-	79	GN,PI	AB,MA	AB,GY	YE	23.5	7	-	-	-
1855	100	154	22	11	2020	885	1135	0.44	3.39	1.57	79	BN	DO,SP	GY,BK	RD	21.1	7	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
1856	100	154	20	9	2200	980	1220	0.45	3.56	1.67	79	BN	DO.SP	GY.BK	RD	21.7	7	-	-	-
1857	105	154	22	9	1675	790	885	0.47	3.32	1.60	79	BN	DO.SP	GY.BK	RD	23.7	7	-	-	-
1858	105	154	23	10	2390	1075	1315	0.45	3.26	1.57	79	BN	DO.SP	GY.BK	RD	23.9	7	-	-	-
1859	110	154	25	11	2660	1345	1315	0.51	3.13	1.60	79	BN	DO.SP	GY.BK	RD	22.5	7	-	-	-
1860	120	154	22	12	1415	660	755	0.47	2.83	1.53	79	BN	DO.SP	GY.BK	RD	21.8	7	-	-	-
1861	115	157	23	13	-	-	-	-	3.10	1.68	82	PI	DO	GY	RD	-	-	-	-	-
1862	133	-	-	-	5325	1948	3377	0.37	3.25	1.53	80	PI	DO	GY	RD	21.6	5	-	-	-
1863	133	-	-	-	6883	1818	5065	0.26	3.45	1.57	80	PI	DO	GY	RD	22.7	5	-	-	-
1864	133	-	-	-	6955	1570	5385	0.23	3.59	1.50	80	PI	DO	GY	RD	21.5	5	-	-	-
1865	133	-	-	-	5503	1928	3575	0.35	7.20	1.03	80	PI	AB	AB	YE	21.8	3	-	-	9
1866	120	160	27	8	6188	1448	4740	0.23	3.70	1.60	80	BN	DO	GY	RD	-	7	-	-	-
1867	125	168	31	14	2745	-	-	-	7.02	1.17	79	PI	AB	AB	YE	21.6	3	-	-	-
1868	120	160	26	12	3505	1275	2230	0.36	3.50	1.50	79	PI	DO	GY	RD	22.2	5	-	-	-
1869	115	160	29	13	2725	885	1840	0.32	2.66	1.60	79	BN	AB	AB	RD	23.2	7	-	-	-
1870	125	168	34	17	2755	-	-	-	7.07	-	79	PI	AB	AB	YE	-	3	-	-	-
1871	125	168	30	15	2455	-	-	-	6.15	-	79	PI	AB	AB	YE	-	3	-	-	-
1872	-	-	-	-	-	-	-	-	-	-	-	PI	AB	AB	YE	-	-	-	-	-
1873	143	179	25	13	6490	1543	4947	0.24	3.46	1.20	80	PI	AB.DO	AB.GY	RD	25.3	5	-	-	-
1874	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1875	143	179	26	14	3750	1225	2525	0.33	3.63	1.28	79	PI	AB.DO	AB.GY	RD	26.7	5	-	-	-
1876	154	-	-	-	4505	1185	3320	0.26	2.40	1.73	80	PI	AB.DO	AB.GY	RD	-	5	-	-	-
1877	135	-	-	-	7000	2428	4572	0.35	6.20	1.33	80	PI	AB	AB	YE	22.7	3	-	-	9
1878	151	-	-	-	6463	1970	4493	0.30	4.37	1.20	80	GN.PI	AB	AB	YE	25.6	3	-	-	-
1879	151	-	-	-	6858	1970	4888	0.29	4.01	1.33	80	GN.PI	AB	AB	YE	-	3	5	-	-
1880	145	-	-	-	5525	1815	3710	0.33	3.76	1.59	80	PI	AB.DO	AB.GY	RD	22.0	7	-	-	-
1881	135	-	-	-	6375	2323	4052	0.36	4.03	1.57	80	GN.PI	AB	AB	YE	22.1	7	-	-	-
1882	125	168	29	16	2395	-	-	-	6.67	1.33	79	PI	AB	AB	YE	21.6	3	-	-	7
1883	138	168	28	14	2700	900	1800	0.33	3.32	1.73	79	BN	DO.NA	GY	RD	24.8	5	-	-	-
1884	120	168	27	15	2895	915	1980	0.32	4.32	1.33	79	GN.PI	AB	AB	YE	21.5	5	-	-	-
1885	125	168	31	17	3250	-	-	-	7.18	1.38	79	PI	AB	AB	YE	22.2	3	-	-	7
1886	138	185	29	17	2690	-	-	-	5.53	-	79	GN	AB	AB	YE	23.5	3	-	-	-
1887	125	162	28	13	3550	1350	2200	0.38	3.33	1.69	79	BN	DO	GY	RD	22.6	5	-	-	-
1888	125	168	26	12	5845	2185	3660	0.37	3.24	1.30	80	BN	SP.NA	BK	RD	23.4	5	-	-	-
1889	120	162	28	12	4675	1565	3110	0.33	4.61	1.33	79	GN.PI	AB	AB	YE	21.1	7	-	-	7
1890	151	-	-	-	7125	1670	5455	0.23	7.52	1.03	80	PI	AB	AB	YE	22.8	3	5	-	-

ILL	TiFl	TiNa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	ColCol	ProZ	CS	OS79	OS80	OS81
1856	100	154	20	9	2200	980	1220	0.45	3.56	1.67	79	BN	DO.SP	GY.BK	RD	21.7	7	-	-	-
1857	105	154	22	9	1675	790	885	0.47	3.32	1.60	79	BN	DO.SP	GY.BK	RD	23.7	7	-	-	-
1858	105	154	23	10	2390	1075	1315	0.45	3.26	1.57	79	BN	DO.SP	GY.BK	RD	23.9	7	-	-	-
1859	110	154	25	11	2660	1345	1315	0.51	3.13	1.60	79	BN	DO.SP	GY.BK	RD	22.5	7	-	-	-
1860	120	154	22	12	1415	660	755	0.47	2.83	1.53	79	BN	DO.SP	GY.BK	RD	21.8	7	-	-	-
1861	115	157	23	13	-	-	-	-	3.10	1.68	82	PI	DO	GY	RD	-	-	-	-	-
1862	133	-	-	-	5325	1948	3377	0.37	3.25	1.53	80	PI	DO	GY	RD	21.6	5	-	-	-
1863	133	-	-	-	6883	1818	5065	0.26	3.45	1.57	80	PI	DO	GY	RD	22.7	5	-	-	-
1864	133	-	-	-	6955	1570	5385	0.23	3.59	1.50	80	PI	DO	GY	RD	21.5	5	-	-	-
1865	133	-	-	-	5503	1928	3575	0.35	7.20	1.03	80	PI	AB	AB	YE	21.8	3	-	-	9
1866	120	160	27	8	6188	1448	4740	0.23	3.70	1.60	80	BN	DO	GY	RD	-	7	-	-	-
1867	125	168	31	14	2745	-	-	-	7.02	1.17	79	PI	AB	AB	YE	21.6	3	-	-	-
1868	120	160	26	12	3505	1275	2230	0.36	3.50	1.50	79	PI	DO	GY	RD	22.2	5	-	-	-
1869	115	160	29	13	2725	885	1840	0.32	2.66	1.60	79	BN	AB	AB	RD	23.2	7	-	-	-
1870	125	168	34	17	2755	-	-	-	7.07	-	79	PI	AB	AB	YE	-	3	-	-	-
1871	125	168	30	15	2455	-	-	-	6.15	-	79	PI	AB	AB	YE	-	3	-	-	-
1872	-	-	-	-	-	-	-	-	-	-	-	PI	AB	AB	YE	-	-	-	-	-
1873	143	179	25	13	6490	1543	4947	0.24	3.46	1.20	80	PI	AB.DO	AB.GY	RD	25.3	5	-	-	-
1874	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1875	143	179	26	14	3750	1225	2525	0.33	3.63	1.28	79	PI	AB.DO	AB.GY	RD	26.7	5	-	-	-
1876	154	-	-	-	4505	1185	3320	0.26	2.40	1.73	80	PI	AB.DO	AB.GY	RD	-	5	-	-	-
1877	135	-	-	-	7000	2428	4572	0.35	6.20	1.33	80	PI	AB	AB	YE	22.7	3	-	-	9
1878	151	-	-	-	6463	1970	4493	0.30	4.37	1.20	80	GN.PI	AB	AB	YE	25.6	3	-	-	-
1879	151	-	-	-	6858	1970	4888	0.29	4.01	1.33	80	GN.PI	AB	AB	YE	-	3	5	-	-
1880	145	-	-	-	5525	1815	3710	0.33	3.76	1.59	80	PI	AB.DO	AB.GY	RD	22.0	7	-	-	-
1881	135	-	-	-	6375	2323	4052	0.36	4.03	1.57	80	GN.PI	AB	AB	YE	22.1	7	-	-	-
1882	125	168	29	16	2395	-	-	-	6.67	1.33	79	PI	AB	AB	YE	21.6	3	-	-	7
1883	138	168	28	14	2700	900	1800	0.33	3.32	1.73	79	BN	DO.MA	GY	RD	24.8	5	-	-	-
1884	120	168	27	15	2895	915	1980	0.32	4.32	1.33	79	GN.PI	AB	AB	YE	21.5	5	-	-	-
1885	125	168	31	17	3250	-	-	-	7.18	1.38	79	PI	AB	AB	YE	22.2	3	-	-	7
1886	138	185	29	17	2690	-	-	-	5.53	-	79	GN	AB	AB	YE	23.5	3	-	-	-
1887	125	162	28	13	3550	1350	2200	0.38	3.33	1.69	79	BN	DO	GY	RD	22.6	5	-	-	-
1888	125	168	26	12	5845	2185	3660	0.37	3.24	1.30	80	BN	SP.MA	BK	RD	23.4	5	-	-	-
1889	120	162	28	12	4675	1565	3110	0.33	4.61	1.33	79	GN.PI	AB	AB	YE	21.1	7	-	-	7
1890	151	-	-	-	7125	1670	5455	0.23	7.52	1.03	80	PI	AB	AB	YE	22.8	3	5	-	-

ILL	TiFl	TiMa	Hgt	LPH	BiYd	SdYd	StYd	HI	100SW Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
1891	138	179	28	19	2475	-	-	-	6.25	-	79 GN.PI	AB.MA	AB.OL	YE	23.2	3	-	-	-
1892	151	-	-	-	4020	1200	2820	0.30	2.62	1.73	80 BN	DO	GY	RD	-	7	7	-	-
1893	150	179	20	8	4845	1488	3357	0.31	2.41	1.77	80 PI	AB.DO	AB.GY	RD	24.0	7	-	-	-
1894	150	179	23	15	1975	-	-	-	2.75	-	79 PI	AB.SP	AB.BN	RD	-	7	-	-	-
1895	133	-	-	-	5583	2113	3470	0.38	3.57	1.57	80 BN	AB.DO	AB.GY	RD	22.0	5	-	-	-
1896	133	-	-	-	5110	2185	2925	0.43	3.16	1.50	80 BN	AB.DO	AB.GY	RD	24.0	-	-	-	-
1897	133	-	-	-	4960	2223	2737	0.45	3.35	1.79	80 BN	AB.DO	AB.GY	RD	22.1	5	-	-	-
1898	135	-	-	-	7600	2560	5040	0.34	6.27	1.00	80 PI	AB	AB	YE	21.7	3	-	-	7
1899	135	-	-	-	7155	2575	4580	0.36	5.81	1.03	80 PI	AB	AB	YE	24.1	5	-	-	9
1900	130	168	31	17	2785	-	-	-	6.55	1.10	79 PI	AB	AB	YE	21.9	3	-	-	7
1901	135	173	31	15	5883	2225	3658	0.38	3.90	1.43	80 PI	AB	AB	YE	24.1	5	-	-	-
1902	138	179	30	13	5993	2255	3738	0.38	4.06	1.37	80 PI	AB	AB	YE	24.8	5	-	-	-
1903	125	168	30	10	2650	-	-	-	6.03	1.13	79 PI	AB	AB	YE	21.6	5	-	-	7
1904	151	-	-	-	5103	1185	3918	0.23	3.30	1.33	80 PI	AB	AB	YE	-	5	9	-	-
1905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1906	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1907	154	-	-	-	3878	720	3158	0.19	4.44	1.62	80 GN.PI	AB	AB	YE	-	5	7	-	-
1908	143	179	27	13	960	220	740	0.23	3.16	-	79 GN	AB	AB	YE	-	7	-	-	-
1909	128	169	27	19	2413	533	1880	0.22	2.26	1.70	82 GY	AB	AB	YE	-	-	-	-	-
1910	158	-	-	-	5260	980	4280	0.19	3.43	1.77	80 PI	AB	AB.OL	YE	-	7	5	-	-
1911	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1912	151	-	-	-	4350	730	3620	0.17	3.27	1.33	80 GN.BN	AB.CO	AB.OL	YE	-	5	-	-	-
1913	151	-	-	-	6483	1430	5053	0.22	4.32	1.33	80 GN.PI	AB	AB	YE	-	3	-	-	-
1914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
1915	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1916	131	-	-	-	4853	2173	2680	0.45	2.75	1.70	80 BN	DO	BN	RD	-	7	-	-	-
1917	-	-	-	-	-	-	-	-	-	-	-	AB.CO	OL	YE	-	-	-	-	-
1918	147	-	-	-	7380	2445	4935	0.33	6.07	1.27	80 PI	AB	AB	YE	-	3	-	-	9
1919	154	-	-	-	6213	1733	4480	0.28	6.15	1.13	80 PI	AB	AB	YE	-	7	-	-	9
1920	120	179	29	9	3873	1610	2263	0.42	3.10	1.57	80 BN	AB	AB	YE	-	7	-	-	-
1921	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1922	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1923	-	-	-	-	-	-	-	-	-	-	-	AB	AB	YE	-	5	-	-	-
1924	-	-	-	-	-	-	-	-	-	-	-	AB	AB	YE	-	-	-	-	-
1925	129	172	27	18	1613	353	1260	0.22	4.65	1.39	82 GN.PI	AB	AB	YE	-	5	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	Proz	CS	OS79	OS80	OS80
1926	128	168	23	17	3247	737	2510	0.23	5.14	1.20	82	GN.PI	AB	AB	YE	-	3	-	-	-
1927	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1928	154	-	-	-	6680	1358	5322	0.20	6.64	1.07	80	GN.PI	AB	AB	YE	-	5	-	-	7
1929	143	179	31	18	3480	1000	2480	0.29	2.70	1.13	79	PI	AB	AB	RD, YE	-	7	-	-	-
1930	145	173	30	16	3510	1140	2370	0.32	2.39	1.40	79	PI	AB	AB	RD	-	7	-	-	-
1931	130	168	30	19	3355	920	2435	0.27	4.56	1.13	79	GN.PI	AB	AB	YE	-	5	-	-	7
1932	145	173	31	16	3670	915	2755	0.25	2.14	1.67	79	BN	AB	AB	RD	-	7	3	-	-
1933	145	173	30	13	5133	603	4530	0.12	2.26	1.60	80	PI	AB	AB	RD	-	5	-	-	-
1934	158	-	-	-	5858	1073	4785	0.18	2.70	1.70	80	BN	AB	AB	RD	-	5	-	-	-
1935	160	-	-	-	5883	985	4898	0.17	2.37	1.27	80	BN	AB	AB	RD	-	5	-	-	-
1936	154	-	-	-	4278	780	3498	0.18	2.95	1.20	80	GN	CO	OL	YE	-	5	-	-	-
1937	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1938	-	-	-	-	-	-	-	-	-	-	-	PI	AB	AB	YE	-	7	-	-	-
1939	138	-	-	-	6795	2665	4130	0.39	3.52	1.80	80	BN	SP	BK	RD	-	7	-	-	-
1940	135	-	-	-	5900	2170	3730	0.37	3.09	1.67	80	GN.PI	SP	BK	RD	-	7	-	-	-
1941	-	-	-	-	-	-	-	-	-	-	-	GN.PI	DO	GY	RD, YE	-	-	-	-	-
1942	151	-	-	-	7235	2120	5115	0.29	4.21	1.13	80	PI	AB	AB	YE	-	3	-	-	-
1943	158	-	-	-	5410	1113	4297	0.21	2.80	1.40	80	PI	AB	AB	YE	-	7	5	-	-
1944	158	-	-	-	4175	1090	3085	0.26	2.90	1.34	80	GN.PI	AB, SP	AB, GY	RD	-	5	-	-	-
1945	135	179	28	15	1825	450	1375	0.25	2.27	1.60	79	PI	AB	AB	RD	-	5	-	-	-
1946	154	-	-	-	6865	1128	5737	0.16	4.52	1.40	80	PI	AB	AB	RD	-	5	-	-	-
1947	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1948	138	179	23	17	4545	1198	3347	0.26	2.25	1.40	80	BN	AB	AB	RD	-	3	-	-	-
1949	154	-	-	-	2500	1450	1050	0.58	2.62	1.66	80	BN	AB	AB	RD	-	5	-	-	-
1950	126	169	26	15	2347	800	1547	0.34	2.61	1.60	82	PI	DO	GY	RD	-	5	-	-	-
1951	125	168	25	19	3270	1155	2115	0.35	5.98	1.27	82	GN.PI	AB	AB	YE	-	5	-	-	-
1952	141	-	-	-	6815	1918	4897	0.28	4.71	1.47	80	PI	AB	AB	YE	-	5	-	-	5
1953	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-
1954	151	-	-	-	5775	1348	4427	0.23	3.45	1.43	80	PI	AB	AB	YE	-	5	-	-	-
1955	154	-	-	-	4850	810	4040	0.17	2.93	1.50	80	PI	AB	AB	RD	-	5	-	-	-
1956	120	157	21	8	1025	375	650	0.37	2.63	1.53	79	BN	DO	BK	RD	21.6	5	-	-	-
1957	120	157	21	6	1115	470	645	0.42	2.57	1.27	79	BN	DO	BK	RD	21.8	5	-	-	-
1958	115	154	23	11	1560	700	860	0.45	3.11	1.53	79	BN	DO	BK	RD	21.8	7	-	-	-
1959	115	154	22	11	1280	525	755	0.41	2.87	1.73	79	BN	DO	BK	RD	22.8	5	-	-	-
196	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ILL	Tifl	Time	Har	LPH	BiYd	SdYd	StYd	HI	100SH	Sd/Pd	Yr	TestCol	Pattern	PatternCol	ColCol	Prox	CS	0579	0580	0581
1961 115	154	20	8	1575	625	950	0.40	3.05	1.67	79	BN	DO	BK	RD	22.7	5	-	-	-	-
1962 131	-	-	-	3513	1523	1990	0.43	-	1.62	80	BN	DO	BK	RD	-	-	-	-	-	-
1963 133	-	-	-	3980	1513	2467	0.38	2.71	1.53	8	-	-	-	-	-	7	-	-	-	-
1964 115	154	23	12	1800	720	1080	0.40	2.71	1.57	79	BN	DO	BK	RD	23.3	7	-	-	-	-
1965 115	154	28	9	3445	1400	2045	0.41	3.00	1.57	79	BN	DO	BK	RD	23.5	5	-	-	-	-
1966 120	154	25	12	3110	1105	2005	0.36	2.90	1.47	79	BN	DO	BK	RD	23.9	7	-	-	-	-
1967 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1968 131	-	-	-	3170	1250	1920	0.39	2.31	1.70	80	BN	DO	GY	RD	-	7	-	-	-	-
1969 131	-	-	-	4528	1650	2878	0.36	2.46	1.97	80	BN	DO	GY	RD	-	7	-	-	-	-
1970 131	-	-	-	3703	1425	2278	0.38	2.55	1.53	80	BN	DO	GY	RD	-	7	-	-	-	-
1971 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1972 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1973 -	-	-	-	-	-	-	-	-	-	-	BN	DO	GY	RD	-	5	-	-	-	-
1974 131	-	-	-	4650	1790	2860	0.38	2.34	1.66	80	BN	DO	GY	RD	-	7	-	-	-	-
1975 131	-	-	-	4618	1855	2763	0.40	2.56	1.53	80	BN	DO	GY	RD	-	7	-	-	-	-
1976 131	-	-	-	4310	1565	2745	0.36	2.40	1.77	80	PI	DO	GY	RD	-	7	9	-	-	-
1977 131	-	-	-	4210	1575	2635	0.37	2.26	1.70	80	BN	DO	BK	RD	-	7	-	-	-	-
1978 124	159	20	9	1213	357	856	0.29	3.30	1.50	82	BN	DO	GY	RD	-	7	-	-	-	-
1979 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
198 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1981 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1982 133	-	-	-	4823	1770	3053	0.37	2.31	1.83	80	PI	DO	GY	RD	-	7	-	-	-	-
1983 133	-	-	-	5528	1960	3568	0.35	2.05	1.77	8	-	-	-	-	-	7	-	-	-	-
1984 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986 133	-	-	-	6650	2550	4100	0.38	2.24	1.57	80	PI	DO	GY	RD	-	7	-	-	-	-
1987 133	-	-	-	5628	2180	3448	0.39	2.14	1.63	8	-	-	-	-	-	7	-	-	-	-
1988 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
199 -	-	-	-	-	-	-	-	-	-	-	PI	DO	GY	RD	-	-	-	-	-	-
1991 133	-	-	-	4580	1448	3132	0.32	2.30	1.60	8	-	-	-	-	-	7	-	-	-	-
1992 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994 125	164	25	17	2113	753	1360	0.36	2.80	1.72	82	GN.PI	DO	OL	RD	-	-	-	-	-	-
1995 -	-	-	-	-	-	-	-	-	-	-	PI	DO	GY	RD	-	-	-	-	-	-

ILL	TiF1	TiHa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
1961	115	154	20	8	1575	625	950	0.40	3.05	1.67	79	BN	DO	BK	RD	22.7	5	-	-	-
1962	131	-	-	-	3513	1523	1990	0.43	-	1.62	80	BN	DO	BK	RD	-	-	-	-	-
1963	133	-	-	-	3980	1513	2467	0.38	2.71	1.53	8	-	-	-	-	-	7	-	-	-
1964	115	154	23	12	1800	720	1080	0.40	2.71	1.57	79	BN	DO	BK	RD	23.3	7	-	-	-
1965	115	154	28	9	3445	1400	2045	0.41	3.00	1.57	79	BN	DO	BK	RD	23.5	5	-	-	-
1966	120	154	25	12	3110	1105	2005	0.36	2.90	1.47	79	BN	DO	BK	RD	23.9	7	-	-	-
1967	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1968	131	-	-	-	3170	1250	1920	0.39	2.31	1.70	80	BN	DO	GY	RD	-	7	-	-	-
1969	131	-	-	-	4528	1650	2878	0.36	2.46	1.97	80	BN	DO	GY	RD	-	7	-	-	-
1970	131	-	-	-	3703	1425	2278	0.38	2.55	1.53	80	BN	DO	GY	RD	-	7	-	-	-
1971	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1972	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1973	-	-	-	-	-	-	-	-	-	-	-	BN	DO	GY	RD	-	5	-	-	-
1974	131	-	-	-	4650	1790	2860	0.38	2.34	1.66	80	BN	DO	GY	RD	-	7	-	-	-
1975	131	-	-	-	4618	1855	2763	0.40	2.56	1.53	80	BN	DO	GY	RD	-	7	-	-	-
1976	131	-	-	-	4310	1565	2745	0.36	2.40	1.77	80	PI	DO	GY	RD	-	7	9	-	-
1977	131	-	-	-	4210	1575	2635	0.37	2.26	1.70	80	BN	DO	BK	RD	-	7	-	-	-
1978	124	159	20	9	1213	357	856	0.29	3.30	1.50	82	BN	DO	GY	RD	-	7	-	-	-
1979	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1982	133	-	-	-	4823	1770	3053	0.37	2.31	1.83	80	PI	DO	GY	RD	-	7	-	-	-
1983	133	-	-	-	5528	1960	3568	0.35	2.05	1.77	8	-	-	-	-	-	7	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	133	-	-	-	6650	2550	4100	0.38	2.24	1.57	80	PI	DO	GY	RD	-	7	-	-	-
1987	133	-	-	-	5628	2180	3448	0.39	2.14	1.63	8	-	-	-	-	-	7	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
199	-	-	-	-	-	-	-	-	-	-	-	PI	DO	GY	RD	-	-	-	-	-
1991	133	-	-	-	4580	1448	3132	0.32	2.30	1.60	8	-	-	-	-	-	7	-	-	-
1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	125	164	25	17	2113	753	1360	0.36	2.80	1.72	82	GN.PI	DO	OL	RD	-	-	-	-	-
1995	-	-	-	-	-	-	-	-	-	-	-	PI	DO	GY	RD	-	-	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	Pro%	CS	0579	0580	0581
1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2005	133	-	-	-	5478	1775	3703	0.32	2.24	1.17	80	PI	DO,SP	GY,BK	RD	-	7	-	-	-
2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	135	-	-	-	4188	1210	2978	0.29	2.51	1.47	80	PI	DO	GY	RD	-	7	-	-	-
2009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
201	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-	-	-	-	-	DO	OL	RD	-	-	-	-	-
2013	133	-	-	-	4883	1950	2933	0.40	2.39	1.09	80	PI	DO	GY	RD	-	7	-	-	-
2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-	-	-	AB	AB	RD	-	-	-	-	-
2018	131	-	-	-	2815	1155	1660	0.41	2.16	1.73	80	BK	AB	AB	RD, YE	-	5	-	-	-
2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2022	133	-	-	-	4883	1918	2965	0.39	2.53	1.30	80	BK	AB	AB	RD	-	5	-	-	-
2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2024	125	162	25	13	1213	355	858	0.29	2.35	1.73	82	BK	AB	AB	RD	-	-	-	-	-
2025	131	-	-	-	4155	1700	2455	0.41	2.11	1.87	80	BN	SP,MA	GY,BK	RD	-	5	5	-	-
2026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2030	131	-	-	-	2485	920	1565	0.37	2.29	1.80	80	BN	DO	GY	RD	-	7	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
2066	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2067	133	-	-	-	4380	1618	2762	0.37	2.15	1.70	80	BN	DO	GY	RD	-	7	-	-	-
2068	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2069	133	-	-	-	5128	2388	2740	0.47	2.88	1.67	80	BN	DO	GY	RD	-	5	5	-	-
207	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2071	133	-	-	-	4683	2175	2508	0.46	2.84	1.50	80	PI	DO	GY	RD	-	7	7	-	-
2072	133	-	-	-	5228	2265	2963	0.43	1.99	1.80	80	BN	DO	GY	RD	-	7	5	-	-
2073	131	-	-	-	4210	1850	2360	0.44	2.20	1.63	80	BN	DO	GY	RD	-	7	7	-	-
2074	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2075	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2076	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2077	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2078	120	166	25	11	2115	675	1440	0.32	2.29	-	79	BN	DO	GY	RD	-	7	-	-	-
2079	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2081	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2082	133	-	-	-	3935	1553	2382	0.39	2.20	1.30	80	BN	DO	GY	RD	-	7	-	-	-
2083	115	169	20	10	1280	507	773	0.40	2.08	1.76	82	GY	DO	BK	RD	-	7	-	-	-
2084	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2085	133	-	-	-	2900	970	1930	0.33	3.48	1.51	8	-	-	-	-	-	7	-	-	-
2086	131	-	-	-	5845	2673	3172	0.46	2.47	1.77	80	PI	DO	GY	RD	-	5	5	-	-
2087	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2088	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2091	131	-	-	-	4533	1710	2823	0.38	2.22	1.83	80	BN	DO	GY	RD	-	7	-	-	-
2092	131	-	-	-	3740	1495	2245	0.40	2.17	1.77	80	BN	DO	GY	RD	-	7	-	-	-
2093	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2094	131	-	-	-	3608	1415	2193	0.39	2.22	1.93	80	BN	DO	GY	RD	-	7	-	-	-
2095	131	-	-	-	4893	1913	2980	0.39	2.26	1.93	80	PI	SP	BK	RD	-	7	-	-	-
2096	133	-	-	-	3750	1530	2220	0.41	2.25	1.57	80	BN	DO	GY	RD	-	7	-	-	-
2097	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2098	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2099	133	-	-	-	5353	2108	3245	0.39	1.88	1.87	80	BN	DO	GY	RD	-	7	-	-	-
2100	119	159	21	11	1547	567	980	0.37	2.27	1.96	82	BN	AB.MA	AB.OL	RD	-	-	-	-	-

ILL	TiFl	TiMa	Hgt	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
2101	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2102	-	-	-	-	-	-	-	-	-	-	-	BN	DO	BK	RD	-	-	-	-	-
2103	133	-	-	-	3290	1445	1845	0.44	2.16	1.80	80	BN	DO	GY	RD	-	7	-	-	-
2104	133	-	-	-	3698	1615	2083	0.44	2.21	1.72	80	PI	AB,SP	AB,DL	RD	-	7	3	-	-
2105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2106	131	-	-	-	2903	1255	1648	0.43	2.41	1.57	80	BN	DO	GY	RD	-	7	3	-	-
2107	131	-	-	-	2475	1050	1425	0.42	2.18	1.80	80	BN	DO,SP	GY,BK	RD	-	7	-	-	-
2108	131	-	-	-	2688	1068	1620	0.40	2.39	1.73	80	BN	DO,SP	GY,BK	RD	-	7	5	-	-
2109	133	-	-	-	4748	1845	2903	0.39	2.13	1.63	80	BN	DO,SP	GY,BK	RD	-	7	-	-	-
211	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2111	133	-	-	-	2883	1280	1603	0.44	2.18	2.00	80	BN	DO	GY	RD	-	7	5	-	-
2112	133	-	-	-	3610	1460	2150	0.40	2.11	1.40	80	PI	DO	GY	RD	-	7	-	-	-
2113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2114	-	-	-	-	-	-	-	-	-	-	-	PI	DO,MA	BK	RD	-	-	-	-	-
2115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2117	110	144	20	10	2713	1010	1703	0.37	2.32	1.73	82	GY	DO	BK	RD	-	5	-	-	-
2118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2119	133	-	-	-	6623	2860	3763	0.43	3.16	1.57	80	PI	DO	GY	RD	-	5	-	-	-
212	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2121	-	-	-	-	-	-	-	-	-	-	-	BN	DO	GY	RD	-	-	-	-	-
2122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2123	151	-	-	-	4833	1450	3383	0.30	3.35	1.33	80	GN	AB	AB	YE	-	5	9	-	-
2124	151	-	-	-	4835	1295	3540	0.27	2.84	1.23	80	BN,GY	AB	AB	RD, YE	-	5	-	-	-
2125	133	-	-	-	6758	2605	4153	0.39	3.91	-	80	BN	AB,DO	AB,GY	RD	-	3	-	-	-
2126	125	173	31	16	2530	-	-	-	6.43	1.27	79	PI	AB	AB	YE	-	3	-	-	7
2127	135	-	-	-	6608	1910	4698	0.29	5.91	1.53	80	PI	AB,SP	AB,GY	YE	-	3	-	-	7
2128	135	-	-	-	6388	2220	4168	0.35	6.69	1.07	80	GN,PI	AB,SP	AB,BK	YE	-	3	-	-	5
2129	138	-	-	-	-	2925	-	-	3.92	1.83	80	GN,PI	AB	AB	YE	-	5	-	-	-
2130	135	-	-	-	7273	2865	4408	0.39	3.03	1.52	80	BN	SP	BK	RD	-	5	-	-	-
2131	115	157	26	17	4947	1840	3107	0.37	3.66	1.20	82	PI	SP	BK	RD	-	-	-	-	-
2132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2133	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2134	110	148	20	12	1713	500	1213	0.29	2.79	1.57	82	BN	DO,CO	BK	RD	-	7	-	-	-
2135	120	162	26	8	3265	1475	1790	0.45	3.19	1.63	79	BN	DO,SP	BK	RD	-	7	-	-	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
2136	151	-	-	-	7555	2105	5450	0.28	3.06	1.80	80	PI	AB	AB	RD	24.7	5	-	-	-
2137	151	-	-	-	6893	2080	4813	0.30	3.25	1.52	80	GN,BN	DO,SP	OL,BK	RD	25.3	3	-	-	-
2138	138	168	33	16	6705	2095	4610	0.31	3.06	1.63	80	PI	AB	AB	RD	24.5	5	-	-	-
2139	138	173	32	16	7565	2065	5500	0.27	3.26	1.60	80	PI	AB,SP	AB,BK	RD	24.3	5	-	-	-
2140	143	173	34	15	2960	1100	1860	0.37	3.17	1.40	79	PI	DO	GY	RD	22.9	5	-	-	-
2141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2143	-	-	-	-	-	-	-	-	-	-	-	GN,PI	AB	AB	YE	-	3	-	-	-
2144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2146	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2147	151	-	-	-	5993	1070	4923	0.18	4.94	1.07	80	PI	AB	AB	YE	-	5	-	-	5
2148	120	166	29	10	7825	900	6925	0.12	3.57	1.48	80	PI	MA	BK	RD	23.7	5	-	-	-
2149	120	179	28	11	2410	835	1575	0.35	4.90	1.27	79	PI	AB	AB	YE	23.0	5	-	-	5
2150	133	-	-	-	7070	2760	4310	0.39	3.97	1.63	80	BN	SP	BK	RD	22.9	5	-	-	-
2151	-	-	-	-	7095	2695	4400	0.38	3.98	1.37	80	BN	SP	BK	RD	23.7	5	-	-	-
2152	120	154	24	7	2200	1015	1185	0.46	2.56	1.77	79	BK	AB	AB	RD	22.2	7	-	-	-
2153	148	-	-	-	6973	1940	5033	0.28	4.02	1.47	80	BN	SP,MA	BK	RD	22.5	3	-	-	-
2154	148	-	-	-	6013	1885	4128	0.31	3.73	1.33	80	BN	SP,MA	BK	RD	22.8	5	-	-	-
2155	135	168	31	15	2730	875	1855	0.32	3.09	1.37	79	BN	MA	BK	RD	25.0	5	-	-	-
2156	138	173	28	15	2340	570	1770	0.24	3.11	1.50	79	BN	MA	BK	RD	25.0	5	-	-	-
2157	130	163	31	17	5488	1900	3588	0.35	2.28	1.67	80	BN	MA	BK	RD	22.3	7	-	-	-
2158	130	173	33	18	2465	555	1910	0.23	4.51	1.07	79	PI	AB	AB	YE	23.3	7	-	-	5
2159	151	-	-	-	5103	1040	4063	0.20	3.17	1.40	80	PI	AB	AB	YE	24.4	7	-	-	-
2160	145	-	-	-	6050	1693	4357	0.28	5.26	1.77	80	PI	AB	AB	YE	22.1	7	-	-	3
2161	151	-	-	-	4858	1020	3838	0.21	3.48	1.43	80	BN	AB	AB	RD,YE	24.3	7	-	-	-
2162	135	179	27	15	2215	625	1590	0.28	3.81	1.33	79	PI	AB	AB	YE	24.6	5	-	-	-
2163	138	179	25	16	2440	715	1725	0.29	3.21	1.27	79	BN	AB	AB	YE	26.0	5	-	-	-
2164	138	179	29	17	1405	-	-	-	5.26	-	79	-	-	-	-	23.7	3	-	-	-
2165	151	-	-	-	4275	2160	2115	0.51	2.90	1.37	80	GN	AB	AB	YE	24.9	5	-	-	-
2166	145	-	-	-	6368	2060	4308	0.32	4.56	1.57	80	GN,PI	AB	AB	YE	23.9	5	-	-	3
2167	154	-	-	-	4015	535	3480	0.13	4.18	1.40	80	BN	AB	AB	YE	23.6	5	-	-	-
2168	120	173	32	15	3210	-	-	-	4.84	1.27	79	GN,PI	AB	AB	YE	22.0	5	-	-	7
2169	145	179	33	18	4715	868	3847	0.18	2.17	1.10	80	PI	AB,SP	AB,BK	RD	24.6	7	-	-	-
2170	143	179	30	18	3488	585	2903	0.17	2.75	1.37	80	BN	AB	AB	RD	24.7	7	-	-	-

ILL	TiFl	TiMs	Hst	LPH	BiYd	SdYd	StYd	HI	100SW Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
2171	115	163	25	10	4730	1590	3140	0.34	2.19	1.70	80 BN	DO,SP	OL.GY	RD	-	7	-	-	-
2172	138	179	30	18	7150	1835	5315	0.26	3.05	1.33	80 PI	AB	AB	RD	24.7	5	-	-	-
2173	135	179	30	16	4275	705	3570	0.16	2.42	1.39	80 PI	AB	AB	RD	25.0	5	-	-	-
2174	158	-	-	-	4405	778	3627	0.18	2.35	1.30	80 PI	AB,SP	AB,OL	YE	22.8	5	-	-	-
2175	158	-	-	-	3795	503	3292	0.13	2.58	1.54	80 PI	AB,SP	AB,OL	YE	23.4	5	-	-	-
2176	151	-	-	-	4330	1045	3285	0.24	2.99	1.70	80 PI	AB	AB	RD,YE	23.3	5	-	-	-
2177	154	-	-	-	4160	920	3240	0.22	2.75	1.27	80 PI	AB	AB	RD,YE	26.5	3	-	-	-
2178	154	-	-	-	5143	770	4373	0.15	3.28	1.50	80 GN,PI	AB	AB	YE	24.3	3	9	-	-
2179	130	179	25	11	1415	200	1215	0.14	4.09	-	79 PI	AB	AB	YE	23.6	3	-	-	-
2180	130	168	24	12	1445	320	1125	0.22	2.49	1.57	79 GN,BN	SP	OL,BK	RD,YE	25.1	3	-	-	-
2181	158	-	-	-	6740	1085	5655	0.16	2.66	1.57	80 BN	AB	AB	YE	24.3	3	-	-	-
2182	151	-	-	-	6995	1615	5380	0.23	2.76	1.70	80 PI	AB	AB	YE	23.9	-	-	-	-
2183	131	-	-	-	7385	3115	4270	0.42	3.19	1.60	80 BK	AB	AB	RD	21.1	-	-	-	-
2184	131	-	-	-	6258	2225	4033	0.36	3.04	1.88	80 PI	DO,SP	GY,BK	RD	21.0	5	-	-	-
2185	131	-	-	-	5383	2098	3285	0.39	2.73	1.40	80 BK	AB	AB	RD,YE	22.6	7	-	-	-
2186	148	-	-	-	6638	2088	4550	0.31	2.52	1.90	80 PI	AB	AB	RD	23.8	5	-	-	-
2187	130	168	25	10	1825	535	1290	0.29	2.71	1.40	79 PI	DO	GY	RD	23.8	5	-	-	-
2188	130	173	28	13	2030	485	1545	0.24	2.61	1.40	79 PI	AB	AB	YE	23.5	5	-	-	-
2189	130	179	28	13	1835	405	1430	0.22	2.91	1.52	79 -	-	-	-	24.6	5	-	-	-
2190	130	168	30	13	6038	1240	4798	0.21	3.17	1.69	80 PI	AB	AB	RD	24.6	5	-	-	-
2191	120	179	31	17	5438	1175	4263	0.22	3.47	1.37	80 BN	AB	AB	RD,YE	23.0	3	-	-	-
2192	130	168	31	16	6935	1995	4940	0.29	3.34	1.67	80 PI	AB	AB	YE	22.7	7	-	-	-
2193	125	166	30	11	5845	1765	4080	0.30	3.23	1.50	80 PI	SP	BK	RD	24.0	7	-	-	-
2194	130	168	25	14	3900	1420	2480	0.36	4.01	1.20	79 GN,PI	AB	AB	YE	22.0	5	-	-	-
2195	151	-	-	-	5610	1473	4137	0.26	2.93	1.63	80 GY	AB	AB	YE	24.1	5	-	-	-
2196	138	179	25	14	4740	748	3992	0.16	2.60	1.18	80 GN,BN	HA	OL,BK	YE	24.2	5	-	-	-
2197	151	-	-	-	5815	1075	4740	0.18	3.36	1.63	80 BN	DO,SP	GY	RD	23.0	5	-	-	-
2198	151	-	-	-	7150	2065	5085	0.29	4.11	1.71	80 PI	AB	AB	YE	23.5	5	-	-	-
2199	151	-	-	-	6470	1545	4925	0.24	3.58	1.53	80 PI	AB	AB	YE	24.4	5	-	-	-
2200	158	-	-	-	5758	945	4813	0.16	2.71	1.43	80 PI	AB	AB	RD,YE	23.4	5	-	-	-
2201	148	-	-	-	5245	1110	4135	0.21	3.90	1.07	80 GN,PI	AB	AB	YE	23.6	5	-	-	-
2202	154	-	-	-	7170	1508	5662	0.21	3.59	1.60	80 PI	AB	AB	YE	23.9	3	-	-	-
2203	147	179	23	10	4688	865	3823	0.18	3.05	1.33	80 PI	AB	AB	RD,YE	25.6	5	-	-	-
2204	135	168	24	12	5170	1575	3595	0.30	2.65	1.20	80 GN,BN	DO,SP	OL,BK	YE	-	5	-	-	-
2205	120	168	28	12	5738	1888	3850	0.33	3.18	1.43	80 GN,PI	AB	AB	YE	23.1	7	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
2206	145	-	-	-	6370	1090	5280	0.17	5.77	1.23	80	PI	AB	AB	YE	-	5	-	-	5
2207	135	-	-	-	5518	1435	4083	0.26	5.22	1.27	80	BN	MA	BK	YE	-	3	5	-	-
2208	130	168	31	14	6363	1180	5183	0.19	3.64	1.10	80	PI	AB	AB	YE	24.0	5	-	-	-
2209	130	173	29	18	2035	-	-	-	5.24	1.20	79	BN	AR	AB	YE	24.0	3	-	-	7
2210	130	173	31	15	2195	-	-	-	4.53	-	79	BN	AB	AB	YE	-	3	-	-	-
2211	138	173	29	18	3260	910	2350	0.28	4.70	1.24	79	PI	AB	AB	YE	23.6	3	-	-	5
2212	138	173	25	10	4340	880	3460	0.20	2.75	1.27	80	PI	AB	AB	YE	25.6	7	-	-	-
2213	130	168	28	13	2940	1190	1750	0.40	3.28	1.53	79	BN	MA	BK	RD	22.7	5	-	-	-
2214	143	179	23	13	4365	1213	3152	0.28	2.14	1.67	80	PI	AB	AB	RD	24.2	7	-	-	-
2215	130	169	28	17	2175	-	-	-	5.23	1.14	79	GN.PI	DO.SP	OL.BK	YE	22.6	3	-	-	7
2216	138	-	-	-	5718	1850	3868	0.32	3.30	1.63	80	PI	AB	AB	RD	-	7	-	-	-
2217	147	-	-	-	6605	1245	5360	0.19	5.62	1.00	80	PI	AB	AB	YE	26.3	3	-	-	9
2218	148	-	-	-	5253	1435	3818	0.27	2.99	1.60	80	GN.PI	AB	AB	YE	25.9	5	-	-	-
2219	151	-	-	-	4193	960	3233	0.23	3.68	1.57	80	GY	AB	AB	YE	25.1	5	-	-	-
2220	151	-	-	-	7270	400	6870	0.06	3.37	1.43	80	BN	AB	AB	RD.YE	25.5	5	-	-	-
2221	143	179	26	12	2055	435	1620	0.21	3.03	1.62	79	PI	AB	AB	RD.YE	-	7	-	-	-
2222	138	179	29	13	2470	505	1965	0.20	3.15	1.85	79	BN	MA	BK	RD	23.3	5	-	-	-
2223	135	179	26	15	3170	595	2575	0.19	4.03	1.41	79	PI	AB	AB	RD	25.5	7	-	-	-
2224	135	179	29	15	2700	-	-	-	5.33	1.10	79	GN.PI	AB	AB	YE	25.4	7	-	-	5
2225	143	179	25	14	5323	955	4368	0.18	2.83	1.20	80	BN	DO.SP	BK	RD	27.6	7	-	-	-
2226	143	179	25	13	5368	1520	3848	0.28	2.92	1.60	80	BN	AB	AB	RD.YE	24.7	7	-	-	-
2227	143	179	27	15	3165	855	2310	0.27	3.06	1.60	79	PI	AB	AB	RD	23.3	7	-	-	-
2228	158	-	-	-	5193	583	4610	0.11	2.67	1.47	80	PI	AB	AB	YE	22.1	7	-	-	-
2229	151	-	-	-	4758	1055	3703	0.22	2.55	1.60	80	PI	AB	AB	YE	26.4	7	-	-	-
2230	158	-	-	-	4293	770	3523	0.18	2.85	1.40	80	PI	AB	AB	YE	22.1	7	-	-	-
2231	158	-	-	-	5195	690	4505	0.13	2.64	1.75	80	BN	AB.SP	AB.GY	RD.YE	24.0	5	-	-	-
2232	148	-	-	-	5610	1675	3935	0.30	3.94	-	80	PI	SP	BK	RD	23.7	7	-	-	-
2233	145	-	-	-	6585	2150	4435	0.33	3.40	1.60	80	PI	AB.MA	AB.GY	RD	24.9	7	-	-	-
2234	125	168	31	17	2460	-	-	-	6.48	1.27	79	PI	AB	AB	YE	21.6	5	-	-	7
2235	125	168	29	15	2285	-	-	-	5.85	1.30	79	GN.PI	AB	AB	YE	22.4	3	-	-	9
2236	158	-	-	-	6090	630	5460	0.10	5.50	1.34	80	PI	AB	AB	YE	-	5	7	-	-
2237	143	179	28	16	2645	935	1710	0.35	3.31	1.57	79	BN	MA	BK	RD	-	7	-	-	-
2238	138	179	28	18	2165	-	-	-	4.82	1.47	79	GN.PI	AB.MA	AB.OL	YE	-	7	-	-	-
2239	138	179	29	15	6505	555	5950	0.09	3.36	1.47	80	GN.PI	AB	AB	YE	25.2	7	-	-	-
2240	143	179	26	13	4283	853	3430	0.20	2.54	1.37	80	PI	AB	AB	RD	25.3	7	-	-	-

ILL	TiFl	TiMa	Hat	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	Proz	CS	0579	0580	0581
2241	154	-	-	-	3590	640	2950	0.18	2.22	1.47	80	PI	AB	AB	YE	-	7	5	-	-
2242	130	179	30	15	2450	500	1950	0.20	4.42	1.10	79	PI	AB	AB	YE	23.8	7	-	-	-
2243	135	179	29	13	4655	1400	3255	0.30	2.91	-	80	GN	AB	AB	YE	24.2	7	-	-	-
2244	151	-	-	-	4588	910	3678	0.20	3.35	1.53	80	GN	AB	AB	YE	25.1	5	-	-	-
2245	138	179	22	15	2010	575	1435	0.29	3.10	1.87	79	PI	AB	AB	RD	24.6	7	-	-	-
2246	135	173	24	12	1675	325	1350	0.19	2.88	1.80	79	PI	AB	AB	YE	24.9	7	-	-	-
2247	135	179	23	12	5043	1185	3858	0.23	2.65	1.53	80	GN	AB	AB	YE	26.3	5	-	-	-
2248	147	-	-	-	6205	1395	4810	0.22	4.90	1.40	80	GN.PI	AB	AB	YE	23.9	5	-	-	7
2249	147	-	-	-	5733	1725	4008	0.30	4.77	1.63	80	PI	AB	AB	YE	23.0	3	-	-	5
2250	148	-	-	-	5858	1185	4673	0.20	3.46	1.53	80	GY	AB	AB	YE	25.6	5	-	-	-
2251	148	-	-	-	6218	1295	4923	0.21	4.43	1.50	80	GN.PI	AB	AB	YE	23.0	5	-	-	-
2252	145	-	-	-	6050	1785	4265	0.30	4.94	1.23	80	GN.PI	AB	AB	YE	-	5	-	-	7
2253	130	180	25	14	5705	1548	4157	0.27	3.89	1.20	80	PI	AB	AB	YE	25.3	7	-	-	-
2254	130	180	30	15	5833	1580	4253	0.27	4.24	1.43	80	GN.PI	AB	AB	YE	23.5	7	-	-	-
2255	147	-	-	-	5348	1265	4083	0.24	6.54	1.00	80	GN.PI	AB	AB	YE	-	3	9	-	-
2256	130	180	31	19	2595	-	-	-	5.47	1.17	79	PI	AB	AB	YE	-	5	-	-	5
2257	130	173	30	18	1950	575	1375	0.29	5.06	1.27	79	GN.PI	AB	AB	YE	-	3	-	-	5
2258	145	-	-	-	5348	1615	3733	0.30	4.55	1.47	80	GN.PI	AB	AB	YE	24.2	3	-	-	5
2259	151	-	-	-	5515	1188	4327	0.22	4.67	1.33	80	GN.PI	AB	AB	YE	-	5	-	-	3
2260	151	-	-	-	5680	1500	4180	0.26	3.98	1.32	80	BN	AB	AB	YE	-	5	-	-	-
2261	149	-	-	-	5863	1380	4483	0.24	6.04	1.00	80	PI	AB	AB	YE	-	3	-	-	7
2262	138	180	25	10	5098	1210	3888	0.24	2.91	1.30	80	BN	AB	AB	RD	25.0	7	-	-	-
2263	138	179	21	10	1410	320	1090	0.23	2.66	-	79	BN	AB	AB	RD	23.7	7	-	-	-
2264	130	179	29	17	1960	-	-	-	6.01	1.00	79	PI	AB	AB	YE	23.8	7	-	-	5
2265	125	165	28	13	5403	1660	3743	0.31	3.13	1.53	80	BN	MA	BK	RD	24.5	5	-	-	-
2266	120	160	25	12	1555	510	1045	0.33	3.12	1.20	79	BN	DO.SP	BK	RD	23.8	5	-	-	-
2267	133	-	-	-	4115	1475	2640	0.36	2.29	1.73	80	BN	DO	GY	RD	22.6	7	-	-	-
2268	135	-	-	-	5733	1375	4358	0.24	6.59	1.04	80	GN.PI	AB	AB	YE	22.2	3	-	-	-
2269	148	-	-	-	3940	550	3390	0.14	3.50	1.63	80	BN	AB	AB	YE	24.8	5	-	-	-
2270	133	-	-	-	6348	2165	4183	0.34	4.37	1.14	80	PI	AB	AB	YE	21.5	5	-	-	-
2271	135	-	-	-	5785	1745	4040	0.30	3.66	1.43	80	PI	AB	AB	YE	-	5	-	-	-
2272	135	-	-	-	5285	1620	3665	0.31	3.26	1.53	80	BN	MA	BK	RD	23.0	5	-	-	-
2273	120	168	27	10	6378	1943	4435	0.30	3.03	1.43	80	BN	CO	AB	RD	23.0	7	-	-	-
2274	135	-	-	-	6280	1425	4855	0.23	3.27	1.20	80	PI	SP	BK	RD	23.3	5	-	-	-
2275	133	-	-	-	6573	2118	4455	0.32	3.38	1.43	80	PI	AB	AB	RD	23.3	5	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
2275	141	-	-	-	5573	1805	3768	0.32	2.97	1.23	80	GN.PI	AB	AB	RD	20.9	7	-	-	-
2277	133	-	-	-	6445	1885	4560	0.29	3.01	1.63	80	BN	AB.SP	AB.BK	RD	-	7	-	-	-
2278	133	-	-	-	6728	2055	4673	0.31	3.32	1.20	80	BN	SP	BK	RD	23.3	7	-	-	-
2279	125	160	29	12	6853	1825	5028	0.27	2.61	1.46	80	BN	DO.SP	BK	RD	-	5	-	-	-
2280	120	160	29	13	5848	1810	4038	0.31	3.62	1.47	80	BN	SP	BK	RD	24.6	7	-	-	-
2281	115	173	33	18	2690	-	-	-	5.14	1.37	79	BN	AB	AB	YE	22.7	5	-	-	9
2282	143	179	22	14	1965	430	1535	0.22	2.86	1.67	79	GN	AB	AB	YE	26.0	7	-	-	-
2283	138	179	27	16	6003	1195	4808	0.20	3.11	1.30	80	GN	AB	AB	YE	23.9	7	-	-	-
2284	143	179	25	15	5113	1220	3893	0.24	3.15	1.61	80	GN	MA	OL	YE	23.7	7	-	-	-
2285	125	168	22	14	1747	670	1077	0.38	3.10	1.57	82	GY	AB	AB	YE	25.0	-	-	-	-
2286	151	-	-	-	5308	1190	4118	0.22	3.21	1.67	80	GN	AB	AB	YE	26.0	7	-	-	-
2287	138	-	-	-	5848	1690	4158	0.29	4.73	1.47	80	PI	AB	AB	YE	22.7	5	-	-	5
2288	145	-	-	-	5213	1365	3848	0.26	4.94	1.20	80	GN.PI	AB	AB	YE	-	5	-	-	7
2289	151	-	-	-	4425	955	3470	0.22	5.71	1.10	80	PI	AB	AB	YE	-	5	-	-	7
2290	145	-	-	-	4323	1163	3160	0.27	5.26	1.20	80	PI	AB	AB	YE	-	5	-	-	5
2291	151	-	-	-	5155	1115	4040	0.22	3.45	1.40	80	BN	AB	AB	RD.YE	25.0	5	-	-	-
2292	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2293	122	168	27	16	3547	1320	2227	0.37	5.13	1.60	82	GN.PI	AB	AB	RD.YE	-	5	-	-	-
2294	147	-	-	-	5628	1570	4058	0.28	5.03	1.40	80	PI	AB	AB	YE	-	5	-	-	7
2295	133	-	-	-	5530	1783	3747	0.32	3.11	1.80	80	GN.PI	DO	OL.BN	RD.YE	23.2	5	-	-	-
2296	148	-	-	-	5505	1238	4267	0.22	3.70	1.67	80	PI	AB	AB	YE	24.5	5	-	-	-
2297	133	-	-	-	5815	2190	3625	0.38	2.39	1.67	80	BN	DO.SP	GY.BK	RD	-	7	-	-	-
2298	130	166	24	13	2900	1160	1740	0.40	3.48	1.60	79	PI	SP	BK	RD	25.0	7	-	-	-
2299	130	168	31	18	3110	-	-	-	4.66	1.53	79	GN.PI	AB	AB	YE	-	7	-	-	7
2300	138	173	26	16	6443	1903	4540	0.30	3.59	1.47	80	BN	SP	BK	RD	24.3	7	-	-	-
2301	125	168	27	12	2010	690	1320	0.34	4.06	1.53	79	GN.PI	DO	OL	YE	22.0	5	-	-	-
2302	135	173	31	15	2430	800	1630	0.33	4.37	1.67	79	PI	AB	AB	YE	24.1	5	-	-	-
2303	147	-	-	-	5138	1413	3725	0.28	5.49	1.23	80	PI	AB	AB	YE	-	3	-	-	5
2304	151	-	-	-	4390	1100	3290	0.25	2.86	1.50	80	BN	AB	AB	YE	24.5	5	-	-	-
2305	151	-	-	-	4603	1195	3408	0.26	2.97	1.28	80	GN	MA	OL	YE	23.4	7	-	-	-
2306	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2307	130	173	27	15	2945	-	-	-	5.44	1.23	79	PI	AB	AB	YE	-	3	-	-	5
2308	151	-	-	-	5243	1280	3963	0.24	3.32	1.60	80	BN	AB	AB	RD.YE	-	3	-	-	-
2309	135	168	24	14	2060	-	-	-	5.32	1.40	79	PI	AB	AB	YE	-	5	-	-	5
2310	145	-	-	-	4775	1373	3402	0.29	3.09	1.40	80	PI	AB	AB	RD.YE	25.8	7	-	-	-

ILL	TiFl	TiMa	Hgt	LPH	BiYd	SdYd	StYd	HI	100SW Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
2311	130	168	29	17	6308	1660	4648	0.26	4.27	1.50	80 PI	AB	AB	YE	-	5	-	-	-
2312	130	168	28	14	1900	365	1535	0.19	3.08	1.30	79 PI	AB,DO	AB,GY	YE	23.3	5	-	-	-
2313	135	168	38	21	2490	435	2055	0.17	2.28	1.63	79 BN	AB	AB	RD	25.9	5	-	-	-
2314	151	-	-	-	4860	735	4125	0.15	3.89	1.33	80 GN,PI	AB	AB	YE	23.4	5	-	-	-
2315	151	-	-	-	3808	895	2913	0.24	2.69	1.73	80 GN	AB	AB	YE	25.1	5	-	-	-
2316	151	-	-	-	5160	1075	4085	0.21	3.53	1.57	80 BN	AB	AB	RD	23.6	5	-	-	-
2317	138	-	-	-	6195	1660	4535	0.27	5.18	1.50	80 GN,PI	AB	AB	YE	-	5	-	-	-
2318	147	-	-	-	6928	1738	5190	0.25	6.18	1.03	80 GN,PI	AB	AB	YE	23.0	5	-	-	-
2319	151	-	-	-	4855	930	3925	0.19	3.53	1.07	80 GY	AB	AB	RD,YE	24.2	5	-	-	-
2320	151	-	-	-	5123	1063	4060	0.21	3.76	1.62	80 GN,PI	AB	AB	RD,YE	25.7	5	-	-	-
2321	151	-	-	-	3848	925	2923	0.24	3.03	1.50	80 GY	AB	AB	YE	26.4	5	-	-	-
2322	151	-	-	-	3730	848	2882	0.23	3.32	1.30	80 PI	DO	GY	RD	25.0	5	-	-	-
2323	138	180	23	12	1800	530	1270	0.29	3.14	-	79 PI	DO	GY	RD	24.1	7	-	-	-
2324	138	180	23	12	3853	1023	2830	0.27	2.78	1.28	80 BN	AB	AB	YE	24.7	7	-	-	-
2325	130	173	27	16	5925	1745	4180	0.29	3.78	1.33	80 BN	AB	AB	RD,YE	23.8	5	-	-	-
2326	130	179	28	16	2320	620	1700	0.27	4.43	1.43	79 PI	AB	AB	YE	23.8	5	-	-	-
2327	135	180	29	18	2050	-	-	-	4.38	1.20	79 BN	AB	AB	YE	24.6	5	-	-	-
2328	138	168	27	17	5900	1465	4435	0.25	3.19	1.27	80 BN	MA	BK	RD	23.5	5	-	-	-
2329	151	-	-	-	6085	1315	4770	0.22	3.15	1.73	80 BN	MA	BK	RD	-	5	-	-	-
2330	154	-	-	-	5600	975	4625	0.17	2.48	1.33	80 PI	AB	AB	RD,YE	23.9	5	-	-	-
2331	145	-	-	-	5848	1548	4300	0.26	4.10	1.27	80 GN,PI	AB	AB	YE	23.1	5	-	-	-
2332	135	-	-	-	6768	2348	4420	0.35	2.84	1.45	80 BN	DO,SP	GY,BK	RD	22.9	5	-	-	-
2333	158	-	-	-	6108	1053	5055	0.17	2.62	1.60	80 BN	AB,SP	AB,GY	YE	20.9	5	-	-	-
2334	145	-	-	-	5590	1555	4035	0.28	4.30	1.38	80 BN	MA	BK	YE	-	5	7	-	-
2335	138	179	27	17	1540	380	1160	0.25	2.68	1.63	79 GN	AB	AB	YE	23.9	7	-	-	-
2336	151	-	-	-	6203	1200	5003	0.19	3.18	1.23	80 PI,BK	SP,MA,CO	OL,BK	YE	23.8	5	-	-	-
2337	154	-	-	-	5858	1410	4448	0.24	2.60	1.60	80 GN	AB	AB	YE	25.8	7	-	-	-
2338	154	-	-	-	4633	1170	3463	0.25	2.73	1.70	80 BN	MA	BN	YE	25.4	7	-	-	-
2339	151	-	-	-	7220	1940	5280	0.27	4.48	1.00	80 GN,PI	AB	AB	YE	-	5	-	-	-
2340	154	-	-	-	7465	1725	5740	0.23	2.58	1.70	80 PI	AB	AB	RD	24.7	5	-	-	-
2341	138	179	22	10	5003	1250	3753	0.25	2.27	1.73	80 PI	CO	BN,BK	YE	-	7	-	-	-
2342	138	179	23	11	1035	225	810	0.22	2.92	1.62	79 GN	MA	OL	YE	24.5	7	-	-	-
2343	130	179	28	16	1655	-	-	-	5.36	1.47	79 BN	AB	AB	YE	-	7	-	-	-
2344	145	-	-	-	6125	1665	4460	0.27	4.88	1.50	80 PI	AB	AB	YE	-	7	7	-	-
2345	143	179	22	14	1630	410	1220	0.25	2.56	1.73	79 GN,PI	AB	AB	RD,YE	24.2	7	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CatCol	ProX	CS	OS79	OS80	OS81
2346	154	-	-	-	4990	1295	3695	0.26	1.93	1.57	80	GN.PI	SP.MA	OL.BK	RD	-	-	-	-	-
2347	135	179	28	17	6315	1425	4890	0.23	4.12	1.47	80	GN.PI	AB	AB	YE	-	7	-	-	-
2348	148	-	-	-	5928	1323	4605	0.22	4.48	1.33	80	GN.PI	AB	AB	YE	-	7	7	-	-
2349	138	173	25	13	1605	465	1140	0.29	3.64	1.50	79	BN	DO	GY	RD	24.6	7	-	-	-
2350	125	168	25	14	1530	475	1055	0.31	3.37	1.61	79	PI	AB	AB	YE	25.1	7	-	-	-
2351	135	168	24	14	6308	2235	4073	0.35	2.91	1.70	80	PI	SP	BK	RD	24.6	7	-	-	-
2352	145	-	-	-	5030	1925	3105	0.38	3.29	1.60	80	PI	AB	AB	RD	23.2	5	-	-	-
2353	148	-	-	-	5590	1825	3765	0.33	3.43	1.45	80	GN.PI	DO	OL	YE	21.9	5	-	-	-
2354	130	168	21	12	1205	435	770	0.36	3.60	1.37	79	BN	DO	GY	RD	21.9	5	-	-	-
2355	145	-	-	-	4665	1803	2862	0.39	2.09	1.53	80	BN	AB	AB	RD	23.7	7	-	-	-
2356	145	-	-	-	6148	1675	4473	0.27	3.75	1.60	80	BN	DO	GY	RD	-	5	-	-	-
2357	151	-	-	-	5795	1555	4240	0.27	2.58	1.63	80	PI	AB	AB	RD	23.1	5	-	-	-
2358	151	-	-	-	5790	1580	4210	0.27	3.75	1.60	80	BN	AB	AB	RD	25.0	5	-	-	-
2359	158	-	-	-	4445	825	3620	0.19	3.09	1.80	80	PI	AB	AB	RD	23.1	5	-	-	-
2360	145	-	-	-	6423	1720	4703	0.27	5.45	1.27	80	GN.PI	AB	AB	YE	-	3	-	-	-
2361	147	180	20	12	5218	790	4428	0.15	2.59	1.63	80	BN	AB	AB	RD	24.0	7	-	-	-
2362	138	180	26	19	5470	1415	4055	0.26	2.80	1.60	80	PI	AB	AB	RD	23.2	7	-	-	-
2363	140	180	22	13	4413	1028	3385	0.23	2.90	1.50	80	PI	DO	OL	YE	24.0	5	-	-	-
2364	130	173	26	15	2415	780	1635	0.32	4.06	1.37	79	PI	AB	AB	YE	21.8	5	-	-	-
2365	120	173	26	14	5450	1973	3477	0.36	4.25	1.47	80	GN.PI	AB	AB	YE	20.9	5	-	-	-
2366	143	173	25	13	1585	430	1155	0.27	2.74	1.63	79	GN	MA	OL	YE	25.4	5	-	-	-
2367	138	180	27	18	2760	625	2135	0.23	4.75	1.30	79	BN	AB	AB	YE	-	5	-	-	-
2368	138	180	27	19	2040	285	1755	0.14	3.74	1.20	79	GN.PI	AB	AB	YE	22.7	5	-	-	-
2369	135	173	24	16	4638	1220	3418	0.26	2.95	1.77	80	BN	MA	BK	YE	-	7	-	-	-
2370	135	185	27	14	2500	725	1775	0.29	3.83	1.13	79	GN.PI	AB	AB	YE	23.2	5	-	-	-
2371	130	185	29	18	2405	-	-	-	4.62	1.50	79	PI	AB	AB	YE	22.0	5	-	-	-
2372	151	-	-	-	5310	1255	4055	0.24	3.30	1.23	80	GN.PI	AB	AB	YE	24.2	5	-	-	-
2373	141	-	-	-	6368	1900	4468	0.30	3.46	1.23	80	BN	DO	GY	RD	-	5	-	-	-
2374	147	-	-	-	5200	1435	3765	0.28	4.68	1.50	80	GN.PI	AB	AB	YE	22.2	5	-	-	-
2375	154	-	-	-	4498	1233	3265	0.27	2.53	1.70	80	PI	AB	AB	RD	22.7	7	-	-	-
2376	154	-	-	-	5830	1205	4625	0.21	2.70	1.50	80	PI	AB	AB	RD	-	5	-	-	-
2377	150	180	21	15	4608	1068	3540	0.23	2.75	1.74	80	BN	MA	BN	RD	-	5	-	-	-
2378	140	180	26	19	6938	1823	5115	0.26	3.67	1.10	80	GN.PI	AB	AB	YE	22.7	7	-	-	-
2379	130	180	27	16	6335	1803	4532	0.28	3.85	1.47	80	PI	AB	AB	YE	23.7	5	-	-	-
2380	154	-	-	-	5378	1185	4193	0.22	2.62	1.83	80	BN	MA	OL	RD	-	7	-	-	-

ILL	TiFl	TiHa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
2381	143	173	27	17	4305	1568	2737	0.36	2.45	1.60	80 PI	AB	AB	RD	24.3	7	-	-	-
2382	143	180	24	14	1675	340	1335	0.20	2.09	1.97	79 BN	AB,SP	AB,BK	RD	-	7	-	-	-
2383	145	180	21	16	1880	435	1445	0.23	2.34	1.23	79 PI	AB,SP	AB,OL	RD	-	5	-	-	-
2384	130	173	23	17	7203	1930	5273	0.27	4.44	1.50	80 GN.PI	AB	AB	YE	20.3	5	-	-	-
2385	158	-	-	-	6375	1448	4927	0.23	2.90	1.50	80 PI	AB,SP	AB,GY	RD	22.8	5	-	-	-
2386	151	-	-	-	7188	1493	5695	0.21	4.80	1.53	80 GN.PI	AB	AB	YE	-	5	9	-	-
2387	148	-	-	-	5410	1273	4137	0.24	4.20	1.47	80 GN.PI	AB	AB	YE	-	5	-	-	-
2388	151	-	-	-	6255	1323	4932	0.21	3.01	1.37	80 BN	MA	BK	YE	25.3	5	-	-	-
2389	148	-	-	-	6168	1518	4650	0.25	2.77	1.70	80 BN	AB	AB	RD	25.2	5	-	-	-
2390	145	-	-	-	7050	1975	5075	0.28	5.56	1.17	80 GN.PI	AB	AB	YE	22.1	5	-	-	-
2391	132	172	24	17	2247	937	1310	0.42	3.69	1.70	82 GN.BN	AB,MA	AB,OL	YE	-	-	-	-	-
2392	148	-	-	-	6645	1345	5300	0.20	3.79	1.23	80 GN.PI	AB	AB	YE	22.4	5	-	-	-
2393	138	180	26	18	6425	1633	4792	0.25	4.13	1.17	80 GN.PI	AB	AB	YE	20.3	5	-	-	-
2394	152	180	25	14	2570	640	1930	0.25	3.10	1.33	79 PI	AB	AB	RD	23.1	5	-	-	-
2395	138	185	30	14	2370	695	1675	0.29	4.55	1.43	79 GN.PI	AB	AB	YE	21.8	5	-	-	-
2396	143	180	28	14	1720	465	1255	0.27	2.93	1.70	79 PI	AB	AB	RD	22.3	5	-	-	-
2397	130	180	31	17	2910	925	1985	0.32	4.03	1.30	79 GN.PI	AB	AB	YE	22.8	5	-	-	-
2398	138	180	25	11	1755	455	1300	0.26	2.88	1.47	79 BN	MA	BN	YE	-	7	-	-	-
2399	130	173	29	18	2305	735	1570	0.32	4.82	1.17	79 PI	AB	AB	YE	21.0	5	-	-	-
2400	145	180	25	15	1885	525	1360	0.28	2.35	1.53	79 PI	AB,SP	AB,BN	RD	22.2	7	-	-	-
2401	130	180	22	12	2115	535	1580	0.25	3.17	1.40	79 BN	AB	AB	YE	21.7	5	-	-	-
2402	125	166	22	14	1410	375	1035	0.27	3.04	1.43	79 GN	AB	AB	YE	-	5	-	-	-
2403	143	180	23	10	1180	300	880	0.25	3.00	1.70	79 BN	AB	AB	YE	-	5	-	-	-
2404	148	-	-	-	5930	1700	4230	0.29	3.97	1.87	80 GN.PI	AB	AB	YE	22.7	5	-	-	-
2405	151	-	-	-	4435	1250	3185	0.28	3.46	1.60	80 GN	MA	OL	YE	23.6	5	-	-	-
2406	151	-	-	-	4780	1030	3750	0.22	3.61	1.33	80 BN	AB	AB	YE	23.3	5	-	-	-
2407	138	-	-	-	5118	1665	3453	0.33	3.43	1.70	80 GN.PI	AB	AB	YE	18.6	5	-	-	-
2408	154	-	-	-	4978	1110	3868	0.22	3.52	1.57	80 BN	AB	AB	YE	23.7	7	-	-	-
2409	130	168	24	12	4788	1420	3368	0.30	2.95	1.40	80 BN	AB,DO	AB,GY	RD	23.0	7	-	-	-
241	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2411	145	-	-	-	5865	1550	4315	0.26	5.46	1.13	80 GN.PI	AB	AB	YE	-	7	9	-	-
2412	130	180	24	12	1170	280	890	0.24	3.61	-	79 PI	AB	AB	YE	23.2	7	-	-	-
2413	130	180	27	15	1975	-	-	-	5.14	1.10	79 GN	AB	AB	YE	-	5	-	-	-
2414	151	-	-	-	4730	1095	3635	0.23	4.51	1.30	80 GN.PI	AB	AB	YE	-	5	-	-	-
2415	151	-	-	-	6368	1530	4838	0.24	3.27	1.43	80 PI	AB	AB	RD	-	7	7	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0679	0580	0581
2416	151	-	-	-	4138	930	3208	0.22	2.95	1.60	80	BN	AB	AB	RD	22.7	7	7	-	-
2417	125	169	23	12	5268	1500	3768	0.28	2.62	1.67	80	GY	AB	AB	YE	23.7	7	-	-	-
2418	135	168	22	12	4118	1305	2813	0.32	2.54	1.67	80	GY	AB,DO,CO	AB,GY,BK	YE	22.9	7	-	-	-
2419	147	179	20	10	2358	580	1778	0.25	2.22	1.50	80	GN	MA	OL	YE	24.8	7	-	-	-
2420	130	168	20	15	2180	840	1340	0.39	2.61	1.82	82	GY	MA	OL	RD,YE	-	-	-	-	-
2421	143	173	22	13	4105	985	3120	0.24	2.44	1.53	80	BN	AB	AB	RD	23.1	7	-	-	-
2422	135	173	30	14	2885	-	-	-	6.31	1.17	79	PI	AB	AB	RD	22.7	3	-	-	-
2423	143	173	23	13	3920	1000	2920	0.26	2.31	1.57	80	BN	MA	BN	RD	23.6	7	-	-	-
2424	138	180	25	11	4350	895	3455	0.21	3.25	1.62	80	BN	AB	AB	YE	23.0	5	-	-	-
2425	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2426	151	-	-	-	3535	625	2910	0.18	2.97	1.40	8	-	-	-	-	-	5	5	-	-
2427	128	-	-	-	4275	1750	2525	0.41	2.83	1.60	80	BK	AB	AB	RD	-	-	-	-	-
2428	128	-	-	-	3413	1520	1893	0.45	2.88	1.30	80	BK	AB	AB	RD	23.5	7	7	-	-
2429	128	-	-	-	4168	1850	2318	0.44	2.65	1.60	80	BK	AB	AB	RD	21.5	7	5	-	-
2430	128	-	-	-	4108	1915	2193	0.47	2.84	1.47	80	BK	AB	AB	RD	21.6	7	7	-	-
2431	120	154	29	11	3485	1690	1795	0.48	3.13	1.63	79	BK	AB	AB	RD	21.0	7	-	-	-
2432	128	-	-	-	4048	1815	2233	0.45	3.09	1.37	80	BK	AB	AB	RD	-	7	3	-	-
2433	131	-	-	-	4385	1825	2560	0.42	3.00	1.83	80	BK	AB	AB	RD	21.7	7	5	-	-
2434	131	-	-	-	5383	2480	2903	0.46	2.95	1.40	80	BK	AB	AB	RD	-	7	-	-	-
2435	129	-	-	-	5723	2595	3128	0.45	2.92	1.30	80	BK	AB	AB	RD	-	7	5	-	-
2436	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2437	131	-	-	-	5478	2525	2953	0.46	3.07	1.57	80	BK	AB	AB	RD	19.6	7	5	-	-
2438	120	154	22	11	2555	1070	1485	0.42	2.80	1.57	79	BK	AB	AB	RD	20.0	7	5	-	-
2439	120	154	24	12	3075	1280	1795	0.42	3.15	1.52	79	BN	DO,SP	BK	RD	-	7	-	-	-
2440	115	154	25	13	2815	1295	1520	0.46	3.00	1.70	79	BN	DO	BK	RD	19.6	7	5	-	-
2441	135	168	25	13	5088	1505	3583	0.30	2.37	1.67	80	PI	DO	OL	RD	25.6	7	9	-	-
2442	125	160	27	13	2395	805	1590	0.34	2.02	1.80	79	BK	AB	AB	RD	20.6	7	-	-	-
2443	151	-	-	-	5355	1375	3980	0.26	2.29	1.30	80	PI	AB,DO	AB,GY	RD	-	7	-	-	-
2444	126	168	21	15	2647	983	1664	0.37	2.35	1.96	82	PI	AB,DO	AB,OL	RD	-	7	-	-	-
2445	133	-	-	-	4988	1540	3448	0.31	2.66	1.64	80	PI	AB	AB	RD	-	7	5	-	-
2446	135	173	35	17	2750	860	1890	0.31	2.73	1.86	79	BN	DO,CO	BN,BK	RD	23.4	7	7	-	-
2447	154	-	-	-	6023	1495	4528	0.25	2.52	1.63	80	PI	AB	AB	RD	22.1	5	5	-	-
2448	151	-	-	-	4663	1095	3568	0.23	2.57	1.66	80	GY	DO,SP	GY,BK	RD	-	7	7	-	-
2449	154	-	-	-	5615	1515	4100	0.27	2.70	1.80	80	PI	DO	GY	RD	23.5	7	9	-	-
2450	151	-	-	-	4998	1365	3633	0.27	2.60	1.63	80	BN	CO	BN,BK	RD	-	7	9	-	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SH	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
2486	131	-	-	-	4973	2228	2745	0.45	2.13	1.67	80	BN	DO,MA	BK	RD	-	7	-	-	-
2487	131	-	-	-	4838	2118	2720	0.44	3.02	1.57	80	BN	DO	GY	RD	-	7	-	-	-
2488	133	-	-	-	3328	1510	1818	0.45	2.21	1.90	80	BN	DO	GY	RD	-	7	-	-	-
2489	131	-	-	-	-	2060	-	-	2.26	1.90	-	BN	DO	GY	RD	-	7	-	-	-
2490	131	-	-	-	3563	1613	1950	0.45	2.46	1.43	80	BN	DO,MA	BK	RD	-	7	-	-	-
2491	119	159	16	9	1380	463	917	0.34	2.39	-	82	GY	DO,MA	BK	RD	-	-	-	-	-
2492	131	-	-	-	4075	1590	2485	0.39	2.38	1.87	80	PI	DO	GY	RD	-	7	-	-	-
2493	119	162	17	7	1380	407	973	0.29	2.58	1.70	82	BN	DO,MA	GY	RD	-	5	-	-	-
2494	119	159	21	9	1247	403	844	0.32	2.40	1.86	82	BK	AB	AB	RD	-	-	-	-	-
2495	133	-	-	-	4265	1853	2412	0.43	2.53	1.80	80	BN	DO	BK	RD	-	7	-	-	-
2496	133	-	-	-	5103	2193	2910	0.43	2.48	1.87	80	BN	DO	BK	RD	-	7	9	-	-
2497	120	154	27	11	2380	1000	1380	0.42	2.57	1.76	79	BN	DO	BK	RD	-	7	5	-	-
2498	131	-	-	-	5265	2225	3040	0.42	2.47	1.73	80	BN	DO	BK	RD	-	7	-	-	-
2499	131	-	-	-	3315	1430	1885	0.43	2.29	1.70	80	BN	DO	BK	RD	-	7	5	-	-
2500	133	-	-	-	4340	1680	2660	0.39	2.12	1.77	80	BN	DO	GY	RD	-	7	-	-	-
2501	131	-	-	-	3900	1690	2210	0.43	2.39	1.59	80	BN	DO	BK	RD	-	5	-	-	-
2502	133	-	-	-	5210	2145	3065	0.41	2.29	1.57	80	BN	DO	GY	RD	-	7	-	-	-
2503	120	154	24	8	2275	1075	1200	0.47	2.27	1.97	79	BN	DO	GY	RD	-	7	-	-	-
2504	131	-	-	-	4385	1790	2595	0.41	2.33	1.73	80	BN	DO	GY	RD	-	7	7	-	-
2505	133	-	-	-	4380	1890	2490	0.43	2.33	1.67	80	BN	DO	GY	RD	-	7	5	-	-
2506	133	-	-	-	4920	2258	2662	0.46	2.22	1.93	80	BN	DO	BK	RD	-	7	-	-	-
2507	133	-	-	-	5478	2403	3075	0.44	2.33	1.57	80	BN	DO	GY	RD	-	7	-	-	-
2508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2509	133	-	-	-	4150	1705	2445	0.41	2.32	1.67	80	BN	DO	GY	RD	-	7	-	-	-
2510	133	-	-	-	4258	1585	2673	0.37	2.09	1.63	80	BN	DO	GY	RD	-	7	-	-	-
2511	115	159	20	9	1080	397	683	0.37	2.37	1.73	82	BN	DO	GY	RD	-	-	-	-	-
2512	133	-	-	-	4008	1795	2213	0.45	2.02	1.50	80	BN	DO	GY	RD	-	7	-	-	-
2513	133	-	-	-	4565	1953	2612	0.43	2.11	1.67	80	BN	DO	GY	RD	-	7	-	-	-
2514	133	-	-	-	4520	1963	2557	0.43	2.40	1.87	80	BN	DO	GY	RD	-	7	-	-	-
2515	133	-	-	-	4083	1640	2443	0.40	2.18	1.27	80	BN	DO	GY	RD	-	7	-	-	-
2516	133	-	-	-	3845	1563	2282	0.41	2.27	1.53	80	BN	DO	GY	RD	-	7	7	-	-
2517	-	-	-	-	-	-	-	-	-	-	-	GN	DO	OL	RD	-	-	-	-	-
2518	-	-	-	-	-	-	-	-	-	-	-	GY	AB,MA	AB,OL	RD	-	-	-	-	-
2519	119	166	18	10	1447	493	954	0.34	2.69	1.83	82	BN	DO,MA	GY	RD	-	-	-	-	-
2520	126	-	-	-	2350	735	1615	0.31	2.05	1.30	80	BN	DO	OL	RD	-	7	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
2521	133	-	-	-	4208	1475	2733	0.35	3.14	1.60	80	BN	DO,MA	GY	RD	-	7	-	-	-
2522	133	-	-	-	3235	1250	1985	0.39	2.24	1.53	80	BN	DO,MA	GY	RD	-	7	-	-	-
2523	120	160	21	8	2925	1130	1795	0.39	2.43	1.63	79	BN	DO,MA	GY	RD	-	7	5	-	-
2524	133	-	-	-	3758	1610	2148	0.43	2.08	1.70	80	BN	DO,MA	GY	RD	-	7	5	-	-
2525	133	-	-	-	3243	1320	1923	0.41	3.12	1.90	80	BN	DO,MA	GY	RD	-	7	-	-	-
2526	133	-	-	-	2858	1095	1763	0.38	2.30	1.25	80	BN	DO,MA	GY	RD	-	7	-	-	-
2527	133	-	-	-	3093	1100	1993	0.36	2.30	1.70	80	BN	DO,MA	GY	RD	-	7	-	-	-
2528	124	-	-	-	2358	773	1585	0.33	2.69	1.53	80	BN	AB	AB	RD	-	7	-	-	-
2529	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2530	126	-	-	-	2938	1000	1938	0.34	4.16	1.57	80	BN	DO,MA	BK	RD	-	7	-	-	-
2531	119	-	-	-	745	175	570	0.23	2.11	1.67	80	BN	DO	GY	RD	-	7	-	-	-
2532	130	-	-	-	2703	1075	1628	0.40	2.25	1.40	80	BN	DO	GY	RD	-	7	7	-	-
2533	131	-	-	-	3353	1205	2148	0.36	2.32	1.72	80	BN	DO	GY	RD	-	7	-	-	-
2534	115	160	22	8	2775	1230	1545	0.44	2.31	1.47	79	BN	DO,MA	GY	RD	-	7	5	-	-
2535	131	-	-	-	3205	1270	1935	0.40	2.51	1.72	80	BN	DO	BK	RD	-	7	5	-	-
2536	131	-	-	-	3728	1410	2318	0.38	2.64	1.77	80	BN	DO	BK	RD	-	7	3	-	-
2537	120	154	23	9	2615	1135	1480	0.43	2.18	1.73	79	BN	DO	BK	RD	-	5	5	-	-
2538	131	-	-	-	3738	1385	2353	0.37	2.26	1.70	80	BN	DO	BK	RD	-	5	5	-	-
2539	133	-	-	-	3153	1150	2003	0.36	2.13	1.86	80	BN	DO,MA	BK	RD	-	7	5	-	-
2540	133	-	-	-	3868	1540	2328	0.40	2.09	1.57	80	BN	DO	BK	RD	-	7	-	-	-
2541	120	154	20	9	2495	1175	1320	0.47	2.34	1.93	79	BN	DO	BK	RD	-	7	5	-	-
2542	120	157	22	10	3750	1530	2220	0.41	2.43	1.80	79	BN	DO	GY	RD	-	7	5	-	-
2543	120	157	24	11	3035	1110	1925	0.37	2.60	1.77	79	BN	DO	GY	RD	-	7	5	-	-
2544	120	160	24	11	2825	1000	1825	0.35	2.31	1.57	79	BN	DO	GY	RD	-	7	5	-	-
2545	133	-	-	-	3615	1360	2255	0.38	2.23	1.63	80	BN	DO	GY	RD	-	7	5	-	-
2546	133	-	-	-	3903	1570	2333	0.40	2.23	1.87	80	BN	DO,MA	GY	RD	-	7	-	-	-
2547	131	-	-	-	4110	1630	2480	0.40	2.04	1.57	80	BN	DO	GY	RD	-	7	3	-	-
2548	133	-	-	-	5193	2140	3053	0.41	2.57	1.70	80	BN	AB,SP	AB,OL	RD	-	5	5	-	-
2549	131	-	-	-	4095	1840	2255	0.45	2.34	1.63	80	BN	DO	GY	RD	-	7	-	-	-
2550	133	-	-	-	3413	1595	1818	0.47	2.22	1.83	80	BN	DO,MA	BK	RD	-	7	5	-	-
2551	133	-	-	-	4943	1900	3043	0.38	2.29	1.43	80	BN	DO	BK	RD	-	7	5	-	-
2552	113	144	20	10	2313	857	1456	0.37	2.03	1.73	82	BN	DO	BK	RD	-	7	9	-	-
2553	133	-	-	-	4695	1980	2715	0.42	2.18	1.72	80	BN	DO	GY	RD	-	7	-	-	-
2554	133	-	-	-	3770	1595	2175	0.42	2.02	1.87	80	BN	DO,MA	BK	RD	-	7	5	-	-
2555	133	-	-	-	4735	1950	2785	0.41	2.23	1.38	80	BN	DO	GY	RD	-	7	5	-	-

ILL	TiFl	TiMa	Hgt	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	Prox	CS	OS79	OS80	OS81
2556	131	-	-	-	4593	1875	2718	0.41	2.33	1.83	80	BN	DO	GY	RD	-	7	5	-	-
2557	131	-	-	-	5490	2225	3265	0.41	2.29	1.83	80	BN	DO,MA	GY	RD	-	7	5	-	-
2558	133	-	-	-	4318	1780	2538	0.41	2.21	1.70	80	BN	DO,MA	BK	RD	-	7	5	-	-
2559	115	157	24	12	2770	1280	1490	0.46	2.19	1.57	79	BN	DO	GY	RD	-	7	3	-	-
2560	133	-	-	-	3268	1415	1853	0.43	2.34	1.40	80	BN	DO	GY	RD	-	7	5	-	-
2561	115	157	24	11	3240	1450	1790	0.45	2.67	1.63	79	BN	DO	GY	RD	-	7	5	-	-
2562	115	157	24	9	2675	1220	1455	0.46	2.84	1.80	79	BN	DO,MA	BK	RD	-	7	5	-	-
2563	120	160	23	10	2655	925	1730	0.35	2.28	1.63	79	BN	DO	GY	RD	-	7	-	-	-
2564	120	157	25	13	2625	1095	1530	0.42	2.48	1.63	79	BN	DO,MA	GY	RD	-	7	3	-	-
2565	120	157	26	11	2125	885	1240	0.42	2.27	1.60	79	BN	DO,MA	GY	RD	-	7	-	-	-
2566	131	-	-	-	2760	1145	1615	0.41	2.27	1.53	80	BN	DO	OL	RD	-	7	-	-	-
2567	133	-	-	-	3525	1530	1995	0.43	2.30	1.83	80	BN	MA	GY	RD	-	5	-	-	-
2568	133	-	-	-	3743	1550	2193	0.41	2.35	1.70	80	BN	DO	GY	RD	-	7	-	-	-
2569	133	-	-	-	5318	2100	3218	0.39	2.33	1.67	80	BN	DO	GY	RD	-	7	-	-	-
257	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2571	133	-	-	-	3955	1800	2155	0.46	2.45	1.57	80	BN	DO,MA	GY	RD	-	5	-	-	-
2572	120	157	23	12	2375	980	1395	0.41	2.19	1.80	79	BN	DO,SP	GY	RD	-	5	5	-	-
2573	133	-	-	-	4278	905	3373	0.21	2.15	1.80	80	BN	DO,SP	GY	RD	-	5	-	-	-
2574	133	-	-	-	3503	1670	1833	0.48	2.25	1.83	80	BN	DO	GY	RD	-	7	-	-	-
2575	131	-	-	-	3233	1370	1863	0.42	2.00	1.60	80	BN	MA	BK	RD	-	7	-	-	-
2576	131	-	-	-	3125	1250	1875	0.40	2.43	1.93	80	BN	DO,MA	BK	RD	-	7	5	-	-
2577	119	157	25	15	4813	1853	2960	0.38	3.17	1.57	82	PI	DO	OL,GY	RD	-	7	-	-	-
2578	124	-	-	-	2810	1300	1510	0.46	2.50	1.60	80	BN	DO,SP	GY	RD	-	7	-	-	-
2579	133	-	-	-	5280	1493	3787	0.28	2.47	1.60	80	BN	DO,SP	GY	RD	-	5	-	-	-
2580	133	-	-	-	4605	2053	2552	0.45	2.28	1.73	80	BN	DO,SP	GY	RD	-	7	-	-	-
2581	120	160	21	10	2905	905	2000	0.31	2.43	1.63	79	BN	DO,MA	BK	RD	-	7	3	-	-
2582	120	160	25	10	3245	1365	1880	0.42	2.24	1.70	79	BN	DO,MA	BK	RD	-	7	-	-	-
2583	125	160	25	12	3595	1420	2175	0.39	2.33	1.50	79	BN	DO,MA	BK	RD	-	7	-	-	-
2584	125	160	25	10	3485	1255	2230	0.36	2.35	1.90	79	BN	DO,MA	BK	RD	-	7	-	-	-
2585	131	-	-	-	4238	1735	2503	0.41	3.36	1.50	80	BN	DO,MA	BK	RD	-	7	5	-	-
2586	119	-	-	-	700	160	540	0.23	2.15	1.60	80	BN	DO,MA	BK	RD	-	7	-	-	-
2587	110	157	10	3	1385	615	770	0.44	2.35	1.60	79	-	-	-	-	-	7	-	-	-
2588	131	-	-	-	3120	1000	2120	0.32	3.24	1.38	80	BN	DO,SP	BK	RD	-	7	-	-	-
2589	115	157	24	10	3095	1245	1850	0.40	4.31	1.37	79	BN	MA	BK	RD	-	7	-	-	-
2590	115	157	23	12	3020	1285	1735	0.43	3.93	1.67	79	BN	DO,SP	OL	RD	-	7	-	-	-

ILL	TiFl	TiMa	Hgt	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
2591	131	-	-	-	4693	1950	2743	0.42	3.33	1.67	80	BN	DO.SP	OL	RD	-	7	5	-	-
2592	115	157	22	11	3150	1315	1835	0.42	4.38	1.73	79	BN	DO.SP	BK	RD	-	7	-	-	-
2593	115	157	20	9	1545	595	950	0.39	3.82	1.69	79	BN	DO.MA	GY.BK	RD	-	7	-	-	-
2594	115	157	20	7	1270	550	720	0.43	3.11	1.70	79	BN	DO.MA	GY.BK	RD	-	7	-	-	-
2595	115	154	19	8	1125	485	640	0.43	3.45	1.73	79	BN	DO.MA	BK	RD	-	7	-	-	-
2596	131	-	-	-	3318	975	2343	0.29	4.00	1.73	80	BN	CO	OL.BK	RD	-	7	5	-	-
2597	115	157	20	9	1010	350	660	0.35	2.72	1.80	79	BN	DO.SP	GY	RD	-	7	-	-	-
2598	113	148	20	11	2680	1067	1613	0.40	2.68	-	82	GY	DO	BK	RD	-	7	-	-	-
2599	113	164	21	10	1513	500	1013	0.33	2.50	1.83	82	BN	DO.MA	GY	RD	-	7	-	-	-
260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
2601	113	159	22	11	1547	557	990	0.36	2.23	1.90	82	BN	DO.MA	BK	RD	-	7	-	-	-
2602	133	-	-	-	3648	1550	2098	0.42	4.03	1.73	80	BN	DO.SP	GY	RD	-	7	-	-	-
2603	120	154	18	8	1425	580	845	0.41	2.24	1.53	79	BN	DO.SP	GY	RD	-	7	-	-	-
2604	115	154	19	10	1175	475	700	0.40	3.00	1.77	79	BN	DO.MA	OL.GY	RD	-	7	-	-	-
2605	115	154	19	8	1190	550	640	0.46	3.11	1.71	79	BN	DO.MA	OL.GY	RD	-	7	-	-	-
2606	115	154	19	9	1025	425	600	0.41	2.88	1.63	79	BN	DO.MA	OL.GY	RD	-	7	-	-	-
2607	115	157	20	9	990	375	615	0.38	2.06	1.76	79	BN	DO.SP	GY	RD	-	7	-	-	-
2608	120	157	20	8	1000	335	665	0.34	2.19	1.67	79	BN	DO.SP	GY	RD	-	7	-	-	-
2609	120	154	21	9	1535	650	885	0.42	2.13	1.57	79	BN	DO.SP	GY	RD	-	7	-	-	-
2610	120	157	21	9	1360	450	910	0.33	2.03	1.87	79	BN	DO.SP	GY	RD	-	7	-	-	-
2611	120	163	21	8	965	300	665	0.31	2.00	1.73	79	PI	AB.SP	AB.GY	RD	-	7	-	-	-
2612	120	163	21	8	1320	450	870	0.34	2.09	1.80	79	PI	AB.SP	AB.GY	RD	-	7	-	-	-
2613	120	160	23	8	1140	330	810	0.29	2.00	1.63	79	BN	DO.SP	GY	RD	-	7	-	-	-
2614	131	-	-	-	3838	1540	2298	0.40	2.27	1.70	80	BN	DO.SP	GY	RD	-	5	7	-	-
2615	113	148	23	10	3213	1087	2126	0.34	2.11	1.88	82	GY	DO	BK	RD	-	7	-	-	-
2616	131	-	-	-	3345	1365	1980	0.41	1.77	1.77	80	BN	DO.SP	GY	RD	-	7	-	-	-
2617	129	-	-	-	2613	1060	1553	0.41	2.50	1.73	80	BN	DO.MA	BK	RD	-	7	-	-	-
2618	126	-	-	-	2530	935	1595	0.37	3.12	1.83	80	BN	DO	GY	RD	-	7	-	-	-
2619	129	-	-	-	3253	1235	2018	0.38	2.36	1.57	80	BN	DO	GY	RD	-	7	-	-	-
2620	113	159	20	9	747	150	597	0.20	2.24	1.70	82	GY	DO.MA	OL	RD	-	-	-	-	-
2621	115	157	24	11	1700	700	1000	0.41	2.96	1.67	79	BN	DO.SP	OL.GY	RD	-	-	-	-	-
2622	124	-	-	-	2935	1210	1725	0.41	4.21	1.62	80	BN	DO.SP	OL	RD	-	7	5	-	-
2623	120	157	25	12	1750	600	1150	0.34	2.21	1.86	79	BN	DO.MA	BK	RD	-	7	-	-	-
2624	120	157	23	10	1950	625	1325	0.32	2.52	1.40	79	BN	DO.MA	BK	RD	-	7	-	-	-
2625	120	157	24	7	2035	730	1305	0.36	2.78	1.80	79	BN	DO.SP	OL.GY	RD	-	7	-	-	-

ILL	TiFl	TiMa	Hgt	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
2626	120	157	20	10	1675	595	1080	0.36	1.94	1.37	79	PI	AB.SP	AB.GY	RD	-	7	-	-	
2627	115	157	20	8	1265	450	815	0.36	3.05	1.77	79	BN	DO.SP	GY	RD	-	7	-	-	
2628	120	157	19	8	3433	1110	2323	0.32	2.15	1.60	80	PI	AB.SP	AB.GY	RD	-	5	-	-	
2629	133	-	-	-	2768	740	2028	0.27	2.83	1.63	80	BN	DO.SP	OL.GY	RD	-	5	-	-	
2630	126	-	-	-	2423	825	1598	0.34	2.85	1.63	80	BN	DO.SP	OL.GY	RD	-	7	-	-	
2631	113	159	20	7	747	263	484	0.35	2.73	1.58	82	GY	DO.MA	BK	RD	-	-	-	-	
2632	-	-	-	-	-	-	-	-	-	-	-	PI	DO.MA	GY	RD	-	-	-	-	
2633	126	-	-	-	1953	693	1260	0.35	3.07	1.73	80	BN	DO.SP	GY	RD	-	7	-	-	
2634	115	157	22	8	985	420	565	0.43	2.81	1.83	79	BN	DO.MA	BK	RD	-	7	-	-	
2635	115	157	18	7	880	320	560	0.36	2.70	1.80	79	BN	DO.MA	BK	RD	-	7	-	-	
2636	115	154	19	9	1980	350	1630	0.18	2.86	1.69	79	BN	DO.SP	BK	RD	-	7	-	-	
2637	120	154	18	10	1080	390	690	0.36	2.39	1.44	79	BN	AB.SP	AB.GY	RD	-	7	-	-	
2638	115	154	19	8	1370	545	825	0.40	2.87	1.70	79	BN	DO.MA	BK	RD	-	7	-	-	
2639	120	154	19	9	1210	525	685	0.43	1.85	1.50	79	BN	DO.SP	BK	RD	-	7	-	-	
2640	115	154	20	8	4745	535	4210	0.11	2.27	1.70	79	BN	DO.SP	OL	RD	-	7	-	-	
2641	120	154	21	8	1075	450	625	0.42	2.56	1.77	79	BN	DO.SP	OL.GY	RD	-	7	-	-	
2642	120	154	20	10	1330	550	780	0.41	2.27	1.63	79	BN	DO.SP	OL.GY	RD	-	7	-	-	
2643	120	154	18	9	975	365	610	0.37	2.70	1.43	79	BN	DO	GY	RD	-	7	-	-	
2644	133	-	-	-	3598	1443	2155	0.40	2.23	1.63	80	BN	DO.SP	GY	RD	-	7	-	-	
2645	120	154	19	8	1715	750	965	0.44	2.21	1.67	79	BN	DO.MA	GY.BK	RD	-	7	-	-	
2646	120	154	16	7	730	280	450	0.38	2.47	1.70	79	BN	DO.SP	GY	RD	-	7	-	-	
2647	131	-	-	-	3655	1543	2112	0.42	2.09	-	80	BN	DO.SP	GY	RD	-	7	-	-	
2648	131	-	-	-	3400	1423	1977	0.42	2.08	1.87	80	BN	DO.SP	GY	RD	-	7	-	-	
2649	124	-	-	-	2865	1225	1640	0.43	2.55	1.67	80	BN	DO.SP	GY	RD	-	7	-	-	
2650	133	-	-	-	3358	1383	1975	0.41	2.39	1.70	80	BN	DO.SP	GY	RD	-	5	-	-	
2651	115	154	21	8	1915	790	1125	0.41	2.77	1.40	79	BN	DO	GY.BK	RD	-	7	-	-	
2652	115	157	19	10	1745	765	980	0.44	2.36	1.73	79	BN	DO	GY.BK	RD	-	7	-	-	
2653	115	160	21	8	1625	605	1020	0.37	2.45	1.73	79	BN	DO.MA	GY.BK	RD	-	7	-	-	
2654	115	160	21	11	2170	920	1250	0.42	2.41	1.43	79	BN	DO.MA	BK	RD	-	7	-	-	
2655	120	160	19	9	2040	890	1150	0.44	2.37	1.73	79	BN	DO.SP	GY	RD	-	7	-	-	
2656	115	160	23	9	3005	1345	1660	0.45	3.33	1.50	79	BN	DO	OL.GY	RD	-	7	5	-	
2657	120	157	26	12	2195	780	1415	0.36	2.02	1.50	79	BN	DO.SP	GY	RD	-	7	-	-	
2658	105	157	17	6	1695	775	920	0.46	2.24	1.33	79	BN	DO	GY	RD	-	7	-	-	
2659	105	157	20	12	1785	595	1190	0.33	3.02	1.53	79	BN	AB.SP	AB.BK	RD	-	7	-	-	
2660	120	157	21	9	1920	700	1220	0.36	2.19	2.00	79	BN	DO.SP	GY	RD	-	7	7	-	

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	Prox	CS	0579	0580	0581
2661	120	157	20	10	2608	1135	1473	0.44	2.35	1.73	80 BN	DO.SP	GY	RD	-	7	-	-	-
2662	115	157	21	9	3443	1525	1918	0.44	2.19	1.67	80 BN	DO.SP	GY	RD	-	7	-	-	-
2663	110	149	20	8	2280	820	1460	0.36	2.31	1.90	82 BN	DO.MA	GY.BK	RD	-	7	-	-	-
2664	131	-	-	-	3178	1340	1838	0.42	2.21	1.77	80 BN	DO.MA	GY.BK	RD	-	7	-	-	-
2665	124	-	-	-	2973	1213	1760	0.41	2.40	1.57	80 BN	DO.MA	GY.BK	RD	-	7	-	-	-
2666	131	-	-	-	3238	1353	1885	0.42	2.45	1.87	80 BN	DO.SP	GY	RD	-	7	-	-	-
2667	133	-	-	-	3793	1555	2238	0.41	2.41	1.53	80 BN	DO.SP	GY	RD	-	7	5	-	-
2668	120	154	25	10	2590	1250	1340	0.48	2.25	1.90	79 BN	DO.SP	GY.BK	RD	-	7	5	-	-
2669	120	160	19	11	1380	530	850	0.38	2.24	1.63	79 BN	DO.SP	GY.BK	RD	-	7	-	-	-
2670	133	-	-	-	5028	2075	2953	0.41	2.24	1.97	80 BN	DO.SP	GY.BK	RD	-	7	5	-	-
2671	120	160	19	8	1430	590	840	0.41	2.29	1.77	79 BN	DO.SP	BK	RD	-	7	-	-	-
2672	131	-	-	-	3310	1338	1972	0.40	2.31	1.77	80 BN	DO.SP	BK	RD	-	7	3	-	-
2673	131	-	-	-	3650	1645	2005	0.45	2.25	1.80	80 BN	DO.SP	BK	RD	-	7	5	-	-
2674	120	157	24	11	2730	1085	1645	0.40	2.35	2.00	79 BN	DO.SP	BK	RD	-	7	5	-	-
2675	120	157	23	10	3285	1470	1815	0.45	2.27	1.93	79 BN	DO	BK	RD	-	7	5	-	-
2676	120	157	24	8	3165	1365	1800	0.43	2.27	1.45	79 BN	DO	BK	RD	-	7	5	-	-
2677	120	157	22	8	2690	1235	1455	0.46	2.40	1.80	79 BN	DO	BK	RD	-	7	-	-	-
2678	120	157	19	9	2885	1340	1545	0.46	2.20	1.83	79 BN	DO	BK	RD	-	7	3	-	-
2679	120	157	21	8	2795	1140	1655	0.41	2.31	1.70	79 BN	DO	BK	RD	-	7	3	-	-
2680	133	-	-	-	3403	1508	1895	0.44	2.17	1.50	80 BN	DO	GY	RD	-	7	5	-	-
2681	131	-	-	-	3240	1415	1825	0.44	2.40	1.47	80 BN	DO.MA	BK	RD	-	7	5	-	-
2682	133	-	-	-	4613	1893	2720	0.41	2.25	1.70	80 BN	DO.SP	BK	RD	-	7	5	-	-
2683	131	-	-	-	3563	1415	2148	0.40	2.40	1.50	80 BN	DO.MA	BK	RD	-	7	5	-	-
2684	131	-	-	-	3738	1568	2170	0.42	2.34	1.63	80 BN	DO.MA	BK	RD	-	7	7	-	-
2685	131	-	-	-	2575	1193	1382	0.46	2.14	1.93	80 BN	DO.MA	BK	RD	-	7	5	-	-
2686	133	-	-	-	2175	965	1210	0.44	2.13	1.80	80 BN	DO.MA	BK	RD	-	7	5	-	-
2687	133	-	-	-	2705	1133	1572	0.42	2.36	1.57	80 BN	DO	GY	RD	-	7	-	-	-
2688	133	-	-	-	2898	1128	1770	0.39	2.20	1.87	80 BN	DO.SP	BK	RD	-	7	-	-	-
2689	133	-	-	-	2855	1305	1550	0.46	2.00	1.67	80 BN	DO.SP	BK	RD	-	7	-	-	-
2690	131	-	-	-	3225	1403	1822	0.44	3.08	1.63	80 BN	DO.MA	GY.BK	RD	-	7	-	-	-
2691	120	157	24	11	2580	1150	1430	0.45	2.12	1.90	79 BN	DO.SP	BK	RD	-	7	-	-	-
2692	115	157	25	10	2395	1040	1355	0.43	2.43	1.73	79 BN	DO.SP	BK	RD	-	7	-	-	-
2693	105	157	26	9	2755	1135	1620	0.41	2.87	1.64	79 BN	DO	GY	RD	-	7	-	-	-
2694	120	157	24	9	3120	1210	1910	0.39	2.35	1.83	79 BN	DO.SP	GY.BK	RD	-	7	5	-	-
2695	133	-	-	-	3433	1393	2040	0.41	2.25	1.73	80 PI	AB.SP	AB.OL	RD	-	7	5	-	-

ILL	TiFl	TiHa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
2696	133	-	-	-	2920	1215	1705	0.42	2.38	1.87	80	BN	DO.SP	BK	RD	-	7	-	-	-
2697	105	154	24	9	3235	1500	1735	0.46	4.23	1.50	79	BN	DO	GY	RD	-	7	7	-	-
2698	120	157	17	7	1150	430	720	0.37	2.68	1.87	79	BN	DO.MA	BK	RD	-	7	-	-	-
2699	120	157	20	10	1985	855	1130	0.43	2.41	1.67	79	BN	DO.SP	BK	RD	-	7	-	-	-
2700	120	157	21	10	2595	1455	1140	0.56	2.66	1.50	79	BN	DO.SP	GY	RD	-	7	7	-	-
2701	120	157	18	8	2750	1125	1625	0.41	1.76	1.90	79	BN	DO.SP	BK	RD	-	7	3	-	-
2702	120	157	21	11	2750	1270	1480	0.46	2.23	1.70	79	BN	DO.SP	GY	RD	-	7	5	-	-
2703	131	-	-	-	3365	1288	2077	0.38	2.38	1.48	80	BN	DO.SP	GY	RD	-	7	-	-	-
2704	131	-	-	-	2603	1088	1515	0.42	2.55	1.63	80	BN	DO.SP	GY	RD	-	7	5	-	-
2705	133	-	-	-	4148	1645	2503	0.40	2.32	1.83	80	BN	DO.SP	GY	RD	-	5	-	-	-
2706	133	-	-	-	4088	1743	2345	0.43	2.26	1.70	80	BN	DO	OL.GY	RD	-	7	-	-	-
2707	133	-	-	-	3700	1515	2185	0.41	2.34	1.73	80	BN	DO.SP	BK	RD	-	7	7	-	-
2708	131	-	-	-	4810	1745	3065	0.36	2.47	1.77	80	BN	DO.MA	GY.BK	RD	-	7	5	-	-
2709	133	-	-	-	4678	1735	2943	0.37	2.14	1.67	80	BN	DO.SP	GY	RD	-	7	5	-	-
2710	133	-	-	-	-	1463	-	-	2.87	1.55	80	BN	DO.SP	BK	RD	-	5	-	-	-
2711	133	-	-	-	3265	1373	1892	0.42	2.60	1.60	80	BN	DO.SP	BK	RD	-	7	3	-	-
2712	133	-	-	-	2793	1155	1638	0.41	2.38	1.67	80	BN	DO.SP	BK	RD	-	5	-	-	-
2713	120	157	23	10	3050	1410	1640	0.46	2.26	1.70	79	BN	DO.SP	BK	RD	-	5	-	-	-
2714	115	157	21	10	2970	1320	1650	0.44	1.94	1.18	79	BN	DO.SP	BK	RD	-	7	3	-	-
2715	120	157	22	9	2710	1200	1510	0.44	2.24	1.90	79	BN	DO.SP	BK	RD	-	7	-	-	-
2716	120	157	26	12	3760	1715	2045	0.46	2.43	1.77	79	BN	DO.MA	BK	RD	-	7	5	-	-
2717	115	154	21	10	3035	1360	1675	0.45	2.03	1.47	79	BN	DO.SP	BK	RD	-	7	5	-	-
2718	120	154	23	8	2770	1220	1550	0.44	2.28	1.77	79	BN	DO.SP	GY	RD	-	7	5	-	-
2719	133	-	-	-	2595	1000	1595	0.39	2.30	1.63	80	BN	DO.SP	GY	RD	-	7	-	-	-
2720	120	162	21	6	1725	645	1080	0.37	2.31	1.70	79	BN	DO.SP	GY	RD	-	7	-	-	-
2721	120	157	21	8	1750	665	1085	0.38	1.87	1.77	80	BN	DO.SP	GY	RD	-	-	-	-	-
2722	131	-	-	-	2910	1130	1780	0.39	2.20	1.87	80	BN	DO.SP	GY	RD	-	7	-	-	-
2723	131	-	-	-	2650	1118	1532	0.42	2.29	1.45	80	BN	DO.SP	GY	RD	-	7	-	-	-
2724	115	154	24	10	3350	1610	1740	0.48	4.07	1.48	79	BN	AB.SP	AB.GY	RD	-	7	5	-	-
2725	131	-	-	-	4235	1685	2550	0.40	2.42	1.67	80	BN	DO.SP	GY	RD	-	7	5	-	-
2726	131	-	-	-	4450	1685	2765	0.38	2.42	2.00	80	BN	DO.SP	GY	RD	-	7	-	-	-
2727	133	-	-	-	3075	1313	1762	0.43	2.25	1.43	80	BN	DO.SP	GY	RD	-	7	-	-	-
2728	131	-	-	-	2843	1145	1698	0.40	2.10	1.67	80	BK	AB	AB	RD	-	7	-	-	-
2729	124	-	-	-	2403	918	1485	0.38	3.00	1.60	80	BN	DO.SP	OL.GY	RD	-	7	-	-	-
2730	120	157	22	10	1810	650	1160	0.36	2.25	1.53	79	BN	DO.SP	OL.GY	RD	-	7	-	-	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
2731	105	157	23	10	2710	1195	1515	0.44	2.35	1.63	79	BN	DO.SP	BK	RD	-	7	-	-	-
2732	120	157	23	8	2905	1305	1600	0.45	2.53	1.77	79	BN	DO.SP	BK	RD	-	7	5	-	-
2733	120	154	21	10	2440	1125	1315	0.46	2.12	1.90	79	BN	DO.SP	BK	RD	-	7	5	-	-
2734	115	157	27	9	3465	1465	2000	0.42	4.44	1.47	79	BN	DO.MA	BK	RD	-	7	-	-	-
2735	120	157	22	11	2760	1080	1680	0.39	2.18	2.00	79	BN	DO.SP	OL.GY	RD	-	7	-	-	-
2736	115	157	22	8	2480	980	1500	0.40	3.16	1.53	79	BN	DO.SP	BK	RD	-	5	-	-	-
2737	120	157	20	10	2145	710	1435	0.33	2.06	1.70	79	BN	DO.SP	GY.BK	RD	-	7	-	-	-
2738	120	154	22	13	2695	1155	1540	0.43	2.49	1.93	79	BN	DO.SP	GY.BK	RD	-	7	-	-	-
2739	120	154	22	11	2390	1090	1300	0.46	2.29	1.83	79	BN	DO.SP	GY.BK	RD	-	7	-	-	-
2740	120	154	21	10	1495	525	970	0.35	2.09	1.63	79	BN	DO.SP	GY	RD	-	7	-	-	-
2741	115	157	21	12	2195	725	1470	0.33	2.16	1.33	79	BN	DO.SP	GY.BK	RD	-	7	-	-	-
2742	131	-	-	-	2375	1005	1370	0.42	2.15	1.60	80	BN	DO.MA	GY.BK	RD	-	7	-	-	-
2743	131	-	-	-	2970	1168	1802	0.39	2.58	1.63	80	BN	DO.SP	OL.GY	RD	-	7	-	-	-
2744	131	-	-	-	3610	1218	2392	0.34	2.75	1.83	80	BN	DO.SP	BK	RD	-	7	-	-	-
2745	131	-	-	-	2278	983	1295	0.43	2.36	1.73	80	BN	DO.SP	GY.BK	RD	-	7	-	-	-
2746	131	-	-	-	3408	870	2538	0.26	2.41	1.57	80	BN	DO.SP	GY.BK	RD	-	7	-	-	-
2747	115	154	24	10	2490	1090	1400	0.44	2.35	1.59	79	BN	DO.SP	GY.BK	RD	-	7	-	-	-
2748	115	154	23	12	2585	1265	1320	0.49	3.64	1.59	79	BN	DO.SP	GY.BK	RD	-	7	-	-	-
2749	115	157	25	9	2255	1035	1220	0.46	2.94	1.60	79	BN	DO.SP	GY.BK	RD	-	7	-	-	-
2750	120	154	21	9	1545	665	880	0.43	2.25	1.67	79	BN	DO.SP	GY.BK	RD	-	7	-	-	-
2751	120	154	21	8	1295	535	760	0.41	3.24	1.73	79	BN	DO.SP	GY.BK	RD	-	7	-	-	-
2752	120	154	20	9	1095	505	590	0.46	2.35	1.27	79	BN	DO.SP	GY.BK	RD	-	7	-	-	-
2753	120	154	20	9	1255	535	720	0.43	2.17	1.63	79	BN	DO.SP	GY	RD	-	7	-	-	-
2754	115	154	20	11	1030	400	630	0.39	2.63	1.67	79	BN	DO.MA	GY	RD	-	7	-	-	-
2755	120	154	20	8	1175	480	695	0.41	2.34	1.70	79	BN	DO.MA	BK	RD	-	7	-	-	-
2756	120	154	20	8	1280	535	745	0.42	2.13	1.57	79	BK	AB	AB	RD	-	7	-	-	-
2757	120	154	20	11	1190	515	675	0.43	2.16	1.73	79	BN	DO	GY	RD	-	7	-	-	-
2758	131	-	-	-	2078	978	1100	0.47	2.59	1.47	80	BN	DO.MA	BK	RD	-	7	-	-	-
2759	133	-	-	-	2808	1325	1483	0.47	2.02	1.69	80	BN	DO	GY	RD	-	7	-	-	-
2760	133	-	-	-	2005	915	1090	0.46	2.23	1.63	80	BN	DO	GY	RD	-	7	-	-	-
2761	126	-	-	-	3180	1415	1765	0.44	2.31	1.93	80	BK	AB	AB	RD	-	7	-	-	-
2762	113	148	24	12	3447	1060	2387	0.31	2.88	1.66	82	-	-	-	-	-	7	-	-	-
2763	115	157	18	8	755	245	510	0.32	2.26	1.70	79	BN	DO	GY	RD	-	7	-	-	-
2764	115	154	19	10	865	250	615	0.29	2.26	1.40	79	BN	DO.SP	GY	RD	-	7	-	-	-
2765	115	154	21	9	1195	410	785	0.34	2.43	1.77	79	BN	DO.SP	GY.BK	RD	-	7	-	-	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
2766	115	154	21	10	1245	430	815	0.35	2.32	1.70	79	BN	DO.SP	GY	RD	-	7	-	-	-
2767	115	154	20	7	2405	955	1450	0.40	2.26	1.77	79	BN	DO.SP	GY	RD	-	7	-	-	-
2768	115	154	21	8	1815	715	1100	0.39	2.36	1.67	79	BN	DO.MA	GY,BK	RD	-	7	-	-	-
2769	120	154	18	8	1945	690	1255	0.35	2.10	1.80	79	BN	AB.SP	AB,GY	RD	-	7	-	-	-
2770	115	154	16	8	1760	720	1040	0.41	2.50	-	79	BN	DO.SP	GY	RD	-	7	-	-	-
2771	129	-	-	-	3000	1295	1705	0.43	1.98	1.76	80	BN	DO	GY	RD	-	-	-	-	-
2772	129	-	-	-	1943	885	1058	0.46	1.93	1.62	80	BN	DO.MA	GY,BK	RD	-	-	-	-	-
2773	113	144	22	10	2613	943	1670	0.36	2.21	1.70	82	BN	DO.MA	GY,BK	RD	-	7	-	-	-
2774	131	-	-	-	2278	1025	1253	0.45	-	1.17	80	BN	DO	GY	RD	-	-	-	-	-
2775	124	-	-	-	2600	1160	1440	0.45	3.05	1.40	80	BN	DO	GY	RD	-	7	-	-	-
2776	115	154	20	9	835	360	475	0.43	2.92	-	79	BN	DO	GY	YE	-	7	-	-	-
2777	120	154	21	9	980	395	585	0.40	2.46	1.63	79	BN	DO	GY	RD	-	7	-	-	-
2778	120	154	20	10	1715	745	970	0.43	2.22	1.76	79	BN	DO.SP	GY	RD	-	7	-	-	-
2779	120	154	18	9	1820	840	980	0.46	2.19	1.27	79	BN	DO.MA	GY,BK	RD	-	7	-	-	-
2780	120	154	18	11	1420	520	900	0.37	1.98	1.77	79	BN	DO.MA	GY,BK	RD	-	7	-	-	-
2781	120	154	22	10	1460	615	845	0.42	2.80	1.70	79	BN	DO.MA	GY,BK	RD	-	7	-	-	-
2782	133	-	-	-	1925	825	1100	0.43	2.23	1.50	80	BN	DO.SP	BK	RD	-	7	-	-	-
2783	120	154	21	9	1130	505	625	0.45	2.14	1.97	79	BN	DO.MA	BK	RD	-	7	-	-	-
2784	115	154	22	9	1965	790	1175	0.40	3.47	1.70	79	BN	DO.SP	BK	RD	-	7	-	-	-
2785	120	154	23	8	1800	846	954	0.47	2.31	1.57	79	BN	DO.MA	BK	RD	-	7	-	-	-
2786	120	154	21	7	2110	970	1140	0.46	2.28	1.57	79	BN	DO.MA	BK	RD	-	7	5	-	-
2787	131	-	-	-	2225	940	1285	0.42	2.32	1.64	80	BN	DO.SP	BK	RD	-	7	-	-	-
2788	131	-	-	-	2703	1125	1578	0.42	2.31	1.90	80	BN	DO.SP	BK	RD	-	3	-	-	-
2789	133	-	-	-	1938	813	1125	0.42	2.39	1.50	80	BN	DO.SP	GY	RD	-	7	-	-	-
2790	133	-	-	-	2410	1078	1332	0.45	2.26	1.63	80	BN	DO.SP	GY	RD	-	7	-	-	-
2791	131	-	-	-	2363	975	1388	0.41	2.28	1.40	80	BN	DO.SP	GY	RD	-	7	-	-	-
2792	120	157	21	10	1260	525	735	0.42	2.54	1.96	79	BN	DO.MA	GY,BK	RD	-	7	-	-	-
2793	115	157	22	9	1310	515	795	0.39	3.25	1.70	79	BN	DO	BK	RD	-	7	-	-	-
2794	120	157	23	10	2525	970	1555	0.38	2.35	1.90	79	BN	SP.MA	BK	RD	-	7	-	-	-
2795	115	157	25	9	3530	1600	1930	0.45	2.18	1.50	79	BN	DO.MA	BK	RD	-	3	-	-	-
2796	120	157	25	10	2235	935	1300	0.42	2.47	1.60	79	BN	DO	BK	RD	-	7	-	9	-
2797	120	154	18	9	1945	795	1150	0.41	2.26	1.77	79	BN	DO.SP	BK	RD	-	7	-	3	-
2798	120	154	23	7	2350	1040	1310	0.44	2.57	1.83	79	BN	DO.SP	BK	RD	-	7	5	-	-
2799	120	154	20	9	2475	375	2100	0.15	2.51	1.73	79	BN	DO.SP	BK	RD	-	7	-	5	-
2800	131	-	-	-	2950	1203	1747	0.41	1.81	1.67	80	BN	DO	BK	RD	-	-	-	5	-

ILL	TiFl	TiMa	Hgt	LPH	BiYd	SDYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
2801	120	154	24	9	3050	1365	1685	0.45	2.39	1.93	79	BN	DO.SP	GY	RD	-	7	5	-	-
2802	120	157	21	9	2820	1250	1570	0.44	2.27	1.60	79	BN	DO.MA	BK	RD	-	7	5	-	-
2803	120	154	23	9	2605	1265	1340	0.49	2.36	1.40	79	BN	DO.SP	GY	RD	-	7	5	-	-
2804	120	157	20	10	2400	1140	1260	0.48	2.41	1.73	79	BN	DO.SP	GY	RD	-	7	5	-	-
2805	131	-	-	-	2638	1058	1580	0.40	2.15	1.67	80	BN	DO.MA	BK	RD	-	5	-	5	-
2806	131	-	-	-	3808	1425	2383	0.37	2.24	1.63	80	BN	DO.SP	BK	RD	-	5	-	7	-
2807	131	-	-	-	4208	1608	2600	0.38	2.77	1.83	80	BN	DO.SP	BK	RD	-	7	-	5	-
2808	131	-	-	-	3988	1420	2568	0.36	3.02	1.47	80	BN	DO.SP	BK	RD	-	7	-	3	-
2809	131	-	-	-	4498	1763	2735	0.39	2.43	1.59	80	BN	DO.SP	BK	RD	-	7	-	5	-
2810	120	157	23	10	2545	1020	1525	0.40	2.43	1.87	79	BN	AB.SP	AB.GY	RD	-	7	-	7	-
2811	120	160	24	9	1550	670	880	0.43	2.22	1.70	79	BN	DO	BK	RD	-	7	-	5	-
2812	120	160	23	8	1995	900	1095	0.45	2.27	1.43	79	BN	DO.SP	BK	RD	-	7	-	3	-
2813	120	168	19	8	2100	925	1175	0.44	2.40	1.67	79	BN	DO.SP	BK	RD	-	7	-	3	-
2814	120	160	21	9	1805	765	1040	0.42	2.34	1.37	79	BN	DO.SP	BK	RD	-	7	-	5	-
2815	131	-	-	-	3140	1120	2020	0.36	2.46	1.70	80	BN	DO.MA	BK	RD	-	7	-	3	-
2816	120	157	22	10	3070	1320	1750	0.43	2.66	2.00	79	BN	DO.MA	BK	RD	-	5	5	-	-
2817	120	157	22	9	2815	1320	1495	0.47	2.42	1.97	79	BN	DO.SP	BK	RD	-	7	5	-	-
2818	120	157	21	10	2840	1125	1715	0.40	2.47	1.50	79	BN	DO.SP	BK	RD	-	7	3	-	-
2819	120	157	22	8	2750	1195	1555	0.43	2.21	1.50	79	BN	DO	GY	RD	-	7	5	-	-
2820	120	157	25	11	2840	1190	1650	0.42	2.32	1.40	79	BN	AB.SP	AB.DL	RD	-	7	5	-	-
2821	120	157	24	10	2990	1300	1690	0.43	2.34	1.77	79	BN	DO.SP	BK	RD	-	7	3	-	-
2822	131	-	-	-	3108	1340	1768	0.43	2.38	1.93	80	BN	DO.SP	BK	RD	-	7	5	-	-
2823	131	-	-	-	3490	1250	2240	0.36	2.22	1.80	80	BN	DO.MA	BK	RD	-	7	-	5	-
2824	131	-	-	-	3475	1270	2205	0.37	2.43	1.83	80	BN	DO.MA	BK	RD	-	7	-	7	-
2825	133	-	-	-	2930	1170	1760	0.40	2.40	1.67	80	BN	DO.MA	GY.BK	RD	-	7	5	-	-
2826	126	-	-	-	3033	1210	1823	0.40	2.82	1.60	80	BN	DO.SP	GY.BK	RD	-	7	5	-	-
2827	133	-	-	-	4400	1610	2790	0.37	2.33	1.67	80	BN	DO.SP	GY.BK	RD	-	7	5	-	-
2828	133	-	-	-	3978	1520	2458	0.38	2.41	1.54	80	BN	DO.SP	BK	RD	-	7	3	-	-
2829	131	-	-	-	3035	1333	1702	0.44	2.55	1.70	80	BN	DO.SP	BK	RD	-	7	-	5	-
2830	131	-	-	-	3273	1370	1903	0.42	2.38	1.53	80	BN	DO.SP	BK	RD	-	7	-	5	-
2831	131	-	-	-	2543	1050	1493	0.41	2.22	1.57	80	BN	DO.MA	GY.BK	RD	-	7	5	-	-
2832	115	154	25	11	3330	1485	1845	0.45	3.13	1.60	79	BN	DO.SP	BK	RD	-	7	5	-	-
2833	110	157	23	10	2780	1200	1580	0.43	3.30	1.60	79	BN	AB.SP	AB.GY	RD	-	7	5	-	-
2834	120	157	22	10	2560	1110	1450	0.43	2.27	1.53	79	BN	DO.SP	BK	RD	-	7	-	5	-
2835	120	154	24	10	2500	1130	1370	0.45	2.25	1.63	79	BN	DO.SP	BK	RD	-	7	5	-	-

ILL	TiFl	TiMa	Hgt	LPH	BiYd	SoYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
2836	120	168	22	9	2130	660	1470	0.31	2.31	1.80	79	BN	DO.SP	BK	RD	-	7	-	5	-
2837	120	168	23	9	2450	950	1500	0.39	2.61	1.63	79	BN	DO.SP	BK	RD	-	7	5	-	-
2838	120	157	20	8	1665	725	940	0.44	2.37	1.83	79	BN	DO.SP	BK	RD	-	7	-	5	-
2839	120	157	19	8	1385	550	835	0.40	2.13	1.77	79	BN	DO.SP	GY.BK	RD	-	7	-	5	-
2840	133	-	-	-	2000	828	1172	0.41	2.61	1.60	80	BN	DO.SP	BK	RD	-	-	-	5	-
2841	110	157	21	8	2055	825	1230	0.40	3.00	1.97	79	BN	DO.SP	GY.BK	RD	-	7	-	5	-
2842	115	157	19	9	1515	685	830	0.45	2.58	1.73	79	BN	DO.MA	BK	RD	-	7	-	5	-
2843	120	157	22	7	1835	660	1175	0.36	2.82	1.72	79	BN	DO.SP	BK	RD	-	7	-	3	-
2844	120	157	22	9	3870	1545	2325	0.40	2.27	1.60	79	BN	DO.SP	BK	RD	-	7	7	-	-
2845	131	-	-	-	3533	1458	2075	0.41	2.39	1.80	80	BN	AB.SP.MA	BK	RD	-	7	5	-	-
2846	131	-	-	-	3790	1543	2247	0.41	2.10	1.87	80	BN	DO.SP	BK	RD	-	7	5	-	-
2847	124	-	-	-	3795	1368	2427	0.36	2.56	1.63	80	BN	DO.MA	BN	RD	-	7	5	-	-
2848	131	-	-	-	3660	1483	2177	0.41	2.42	1.67	80	BN	DO.MA	BK	RD	-	5	3	-	-
2849	126	-	-	-	2603	995	1608	0.38	2.66	1.72	80	BN	DO.MA	BK	RD	-	5	7	-	-
2850	131	-	-	-	2695	1135	1560	0.42	2.29	1.83	80	BN	DO.SP	BK	RD	-	7	-	5	-
2851	131	-	-	-	-	1355	-	-	2.28	1.87	80	BN	DO.SP	BK	RD	-	7	5	-	-
2852	133	-	-	-	2738	1258	1480	0.46	2.34	1.60	80	BN	DO.MA	GY.BK	RD	-	7	5	-	-
2853	110	144	22	8	1713	460	1253	0.27	2.06	1.70	82	BN	DO.SP	GY	RD	-	7	3	-	-
2854	133	-	-	-	1770	878	892	0.5	2.79	1.13	80	BN	DO.SP	BK	RD	-	7	-	3	-
2855	133	-	-	-	2978	1323	1655	0.44	2.97	1.73	80	BN	DO.SP	GY	RD	-	7	5	-	-
2856	120	160	22	9	3310	1100	2210	0.33	2.30	1.83	79	BN	DO.MA	BK	RD	-	7	-	-	-
2857	115	160	26	10	5090	1400	3690	0.28	3.52	1.57	79	BN	DO.SP	GY	RD	-	7	5	-	-
2858	120	157	23	10	3080	1485	1595	0.48	2.30	1.83	79	BN	DO.SP	GY	RD	-	7	5	-	-
2859	120	160	24	9	4525	1460	3065	0.32	2.83	1.87	79	BN	DO.SP	GY	RD	-	7	5	-	-
2860	133	-	-	-	3400	1523	1877	0.45	2.26	1.87	80	BN	DO.MA	BK	RD	-	-	-	-	-
2861	115	157	23	10	5600	2475	3125	0.44	2.59	1.93	79	BN	DO.MA	BK	RD	-	7	5	-	-
2862	120	154	21	9	4975	2340	2635	0.47	2.35	1.53	79	BN	DO.SP	GY	RD	-	7	5	-	-
2863	133	-	-	-	2845	1078	1767	0.38	2.17	1.30	80	BN	DO.MA	BK	RD	-	7	5	-	-
2864	133	-	-	-	3015	1200	1815	0.40	2.48	1.70	80	BN	DO	GY	RD	-	7	5	-	-
2865	126	-	-	-	2985	1175	1810	0.39	3.23	1.33	80	BN	DO.SP	GY	RD	-	7	5	-	-
2866	133	-	-	-	2888	1180	1708	0.41	2.18	1.80	80	BN	DO.SP	GY	RD	-	7	5	-	-
2867	133	-	-	-	3220	1260	1960	0.39	2.37	1.60	80	BN	DO.SP	GY	RD	-	7	5	-	-
2868	110	157	27	10	3870	1700	2170	0.44	3.68	1.77	79	BN	DO.MA	GY	RD	-	7	3	-	-
2869	133	-	-	-	3393	1513	1880	0.45	2.53	1.73	80	BN	DO.MA	BK	RD	-	7	-	5	-
2870	126	-	-	-	2800	1120	1680	0.40	2.26	1.67	80	BN	AB.SP	AB.GY	RD	-	7	-	5	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
2871	131	-	-	-	3095	1190	1905	0.38	2.23	1.47	80	BN	DO,MA	BK	RD	-	7	-	5	-
2872	131	-	-	-	2925	1058	1867	0.36	2.31	1.67	80	BN	DO,SP	BK	RD	-	7	-	-	-
2873	131	-	-	-	2895	1005	1890	0.35	2.80	1.73	80	BN	DO,SP	GY	RD	-	7	-	5	-
2874	115	160	19	8	2550	805	1745	0.32	3.40	1.73	79	BN	DO	GY	RD	-	7	-	3	-
2875	115	154	19	9	3950	1775	2175	0.45	2.41	1.27	79	BN	DO,SP	GY	RD	-	7	7	-	-
2876	115	154	23	9	4450	2035	2415	0.46	2.53	1.80	79	BN	DO,SP	GY	RD	-	7	5	-	-
2877	120	157	23	9	4565	1875	2690	0.41	2.30	1.83	79	BN	DO,MA	BK	RD	-	7	5	-	-
2878	120	157	21	10	2775	1185	1590	0.43	2.59	1.80	79	BN	DO,SP	GY	RD	-	7	5	-	-
2879	120	157	22	10	4170	1755	2415	0.42	2.39	1.73	79	BN	DO,SP	GY	RD	-	7	5	-	-
2880	120	157	22	9	5825	2545	3280	0.44	2.39	1.40	79	BN	DO,SP	GY	RD	-	7	5	-	-
2881	120	157	22	10	4750	1520	3230	0.32	2.34	1.77	79	BN	DO,SP	GY	RD	-	7	5	-	-
2882	120	154	21	8	3195	1370	1825	0.43	2.39	1.30	79	BN	DO,SP	GY	RD	-	7	5	-	-
2883	120	157	21	8	2885	815	2070	0.28	2.71	1.70	79	BN	DO,SP	GY	RD	-	7	-	5	-
2884	120	154	20	7	3585	1620	1965	0.45	2.46	1.60	79	BN	DO,SP	GY	RD	-	7	-	5	-
2885	120	154	20	8	3000	1250	1750	0.42	2.29	1.77	79	BN	DO,MA	GY,BK	RD	-	7	5	-	-
2886	131	-	-	-	2435	985	1450	0.40	2.16	1.77	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
2887	131	-	-	-	2123	835	1288	0.39	2.17	1.43	80	BN	DO,MA	BK	RD	-	7	-	5	-
2888	126	-	-	-	3153	1340	1813	0.42	3.18	1.33	80	BN	AB,SP	AB,GY	RD	-	7	-	3	-
2889	126	-	-	-	1900	735	1165	0.39	2.56	1.67	80	BN	AB,SP	AB,BK	RD	-	7	-	7	-
2890	126	-	-	-	2975	1160	1815	0.39	3.14	1.33	80	BN	AB,SP	AB,GY	RD	-	7	-	-	-
2891	120	154	20	9	3025	1325	1700	0.44	2.38	1.40	79	BK	AB	AB	RD	-	7	3	-	-
2892	119	-	-	-	1610	508	1102	0.32	3.22	1.47	80	BN	AB,SP	AB,BK	RD	-	7	-	-	-
2893	131	-	-	-	3040	1175	1865	0.39	2.29	1.70	80	BN	SP,MA	GY,BK	RD	-	7	-	5	-
2894	120	154	20	10	2600	1100	1500	0.42	2.38	1.77	79	BN	SP,MA	GY,BK	RD	-	7	5	-	-
2895	120	154	21	9	3345	1425	1920	0.43	2.43	1.60	79	BN	AB,SP	AB,BK	RD	-	7	5	-	-
2896	120	154	21	10	2150	875	1275	0.41	2.05	1.73	79	BN	DO,SP	BK	RD	-	7	3	-	-
2897	120	154	20	9	1890	680	1210	0.36	2.23	1.70	79	BN	DO,SP	BK	RD	-	7	-	5	-
2898	120	154	20	9	2740	1195	1545	0.44	2.11	1.57	79	BN	DO,SP	BK	RD	-	7	5	-	-
2899	120	154	23	12	2100	870	1230	0.41	2.26	1.93	79	BN	AB,MA	AB,OL	RD	-	7	-	7	-
2900	120	154	19	7	2720	1215	1505	0.45	2.20	1.77	79	BN	DO,MA	BK	RD	-	7	5	-	-
2901	120	157	19	6	1850	670	1180	0.36	2.21	1.70	79	BN	DO,SP	BK	RD	-	7	-	-	-
2902	120	157	20	8	1750	560	1190	0.32	2.26	1.80	79	BN	DO,SP	GY	RD	-	7	-	5	-
2903	115	157	21	8	1450	475	975	0.33	2.19	1.13	79	BN	DO,SP	GY	RD	-	7	-	5	-
2904	126	-	-	-	3740	1223	2517	0.33	3.33	1.10	80	BN	MA	OL,BK	RD	-	7	-	5	-
2905	133	-	-	-	5080	1905	3175	0.38	2.74	1.20	80	BN	AB,DO,SP	AB,BK	RD	-	7	5	-	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	NI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
2906	110	145	22	10	2013	553	1460	0.27	2.36	1.89	82	GY	AB,DO	AB,GY	RD	-	7	-	-	-
2907	131	-	-	-	4588	1655	2933	0.36	2.14	1.83	80	BN	DO,SP	BK	RD	-	7	-	-	-
2908	113	148	22	11	2113	760	1353	0.36	2.03	1.85	82	BN	DO	GY	RD	-	7	-	-	-
2909	131	-	-	-	3585	1158	2427	0.32	2.29	1.73	80	BN	DO,SP	GY	RD	-	7	-	-	-
2910	133	-	-	-	5295	1658	3637	0.31	2.25	1.83	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
2911	133	-	-	-	5173	1700	3473	0.33	2.37	1.80	80	BN	DO,SP	GY	RD	-	7	-	-	-
2912	120	154	15	9	1450	545	905	0.38	2.05	1.70	79	BN	DO,SP	GY	RD	-	7	-	-	-
2913	120	154	18	9	1850	675	1175	0.36	2.45	1.73	79	BN	DO	GY	RD	-	7	-	-	-
2914	115	150	20	8	2010	775	1235	0.39	2.60	1.63	79	BK	AB	AB	RD	-	7	-	5	-
2915	115	150	22	9	1335	515	820	0.39	2.35	1.63	79	BN	DO,MA	GY,BK	RD	-	7	-	-	-
2916	130	168	34	17	3515	1150	2365	0.33	2.24	1.37	79	PI	AB	AB	RD	-	7	7	-	-
2917	120	154	23	9	3350	1325	2025	0.40	2.30	1.40	79	BN	DO,SP	BK	RD	-	7	3	-	-
2918	120	154	20	7	2525	1100	1425	0.44	2.50	1.73	79	BN	DO,SP	BK	RD	-	7	7	-	-
2919	120	154	19	6	2570	1085	1485	0.42	2.30	1.62	79	BN	DO,SP	BK	RD	-	7	5	-	-
2920	133	-	-	-	2880	1173	1707	0.41	2.29	1.77	80	BN	DO,SP	GY	RD	-	7	-	5	-
2921	131	-	-	-	2518	965	1553	0.38	2.27	1.67	80	BN	DO,SP	GY	RD	-	7	-	3	-
2922	133	-	-	-	4023	1505	2518	0.37	2.18	1.50	80	BN	DO,SP	BK	RD	-	7	-	5	-
2923	133	-	-	-	3575	813	2762	0.23	2.47	1.77	80	BN	AB,DO	AB,GY	RD	-	7	-	7	-
2924	151	-	-	-	2805	588	2217	0.21	2.64	1.59	80	BN	AB,SP	AB,GY	RD	-	5	9	-	-
2925	120	154	19	9	3150	1310	1840	0.42	2.20	1.77	79	BN	DO,SP	BK	RD	-	7	5	-	-
2926	120	157	21	8	1765	560	1205	0.32	1.76	1.70	79	BN	DO,SP	GY	RD	-	7	-	5	-
2927	120	154	23	9	1525	540	985	0.35	2.52	1.63	79	BN	DO,SP	BK	RD	-	7	-	5	-
2928	120	154	20	9	2950	1230	1720	0.42	2.17	1.66	79	BN	DO,SP	BK	RD	-	7	5	-	-
2929	120	154	24	11	2960	1265	1695	0.43	2.50	1.87	79	BN	DO,SP	BK	RD	-	7	3	-	-
2930	120	154	21	8	2600	1125	1475	0.43	2.35	1.27	79	BN	DO,SP	BK	RD	-	7	3	-	-
2931	120	154	19	7	2670	1195	1475	0.45	2.34	1.70	79	BN	DO,SP	BK	RD	-	7	5	-	-
2932	133	-	-	-	2770	1025	1745	0.37	2.25	1.67	80	BN	DO,SP	BK	RD	-	7	-	5	-
2933	120	154	20	5	2525	1175	1350	0.47	2.28	1.82	79	BN	DO,SP	BK	RD	-	7	5	-	-
2934	120	159	19	8	1730	640	1090	0.37	1.96	1.80	79	BN	AB,SP	AB,OL	RD	-	7	-	-	-
2935	120	154	22	10	2435	1050	1385	0.43	2.19	1.68	79	BN	DO,SP	BK	RD	-	7	-	7	-
2936	120	154	22	9	3950	1600	2350	0.41	2.19	1.90	79	BN	DO,SP	BK	RD	-	7	7	-	-
2937	131	-	-	-	3150	1108	2042	0.35	2.30	1.77	80	BN	DO,SP	BK	RD	-	7	-	5	-
2938	131	-	-	-	3550	1393	2157	0.39	2.39	1.63	80	BN	DO,SP	BK	RD	-	7	-	3	-
2939	133	-	-	-	3143	968	2175	0.31	2.33	1.73	80	BN	DO,SP	BK	RD	-	7	5	-	-
2940	131	-	-	-	3883	1200	2683	0.31	2.28	1.83	80	BN	DO,SP	GY,BK	RD	-	7	5	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
2941	133	-	-	-	4838	1888	2950	0.39	2.60	1.83	80	BN	AB.SP	AB.BK	RD	-	7	5	-	-
2942	120	154	24	8	4790	2075	2715	0.43	2.18	1.67	79	BN	DO.SP	BK	RD	-	7	5	-	-
2943	120	154	24	7	4530	2060	2470	0.45	2.29	1.45	79	BN	DO.SP	BK	RD	-	7	5	-	-
2944	120	159	23	8	2925	990	1935	0.34	2.42	1.75	79	BN	DO.SP	BK	RD	-	7	3	-	-
2945	122	166	20	11	980	517	463	0.53	2.65	1.57	82	GN.PI	AB	AB	RD.YE	-	5	-	-	-
2946	120	159	23	8	2925	1025	1900	0.35	2.33	1.67	79	BN	DO.SP	BK	RD	-	7	3	-	-
2947	120	159	25	11	4450	1480	2970	0.33	3.00	1.73	79	BN	DO.MA	BK	RD	-	5	-	-	-
2948	120	154	23	9	2025	785	1240	0.39	2.23	1.80	79	BN	AB.SP	AB.OL	RD	-	7	-	3	-
2949	130	173	32	17	4360	1450	2910	0.33	3.22	1.43	79	GN.PI	AB.MA	AB.OL	RD.YE	-	5	5	-	-
2950	120	154	24	7	3060	1100	1960	0.36	2.45	1.87	79	BN	DO.SP	GY.BK	RD	-	7	-	5	-
2951	120	154	22	10	2770	1105	1665	0.40	2.19	1.87	79	BN	DO.MA	BK	RD	-	7	5	-	-
2952	120	154	22	9	4725	2000	2725	0.42	2.16	-	79	BN	DO.SP	BK	RD	-	7	-	-	-
2953	115	154	25	8	4080	1920	2160	0.47	3.08	1.87	79	BN	DO.SP	GY	RD	-	7	5	-	-
2954	120	154	21	9	2965	1025	1940	0.35	2.40	1.70	79	BN	DO.SP	GY	RD	-	5	5	-	-
2955	131	-	-	-	4805	1945	2860	0.40	2.36	1.70	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
2956	133	-	-	-	4185	1773	2412	0.42	2.30	1.73	80	BN	DO.SP	GY.BK	RD	-	7	1	5	-
2957	133	-	-	-	4023	1640	2383	0.41	2.10	1.83	80	BN	DO.MA	GY.BK	RD	-	7	5	5	-
2958	133	-	-	-	4203	1685	2518	0.40	2.25	1.70	80	BN	DO.MA	GY.BK	RD	-	7	-	3	-
2959	131	-	-	-	4658	1868	2790	0.40	2.24	1.97	80	BN	DO.MA	GY.BK	RD	-	5	-	7	-
2960	120	157	23	8	3945	1245	2700	0.32	2.48	1.79	79	BN	DO.MA	GY.BK	RD	-	5	5	-	-
2961	120	157	20	8	2715	930	1785	0.34	2.06	1.67	79	BN	DO.SP	GY	RD	-	7	-	7	-
2962	120	160	24	8	3045	750	2295	0.25	2.35	1.67	79	BN	DO.SP	GY	RD	-	7	5	-	-
2963	120	160	23	8	2995	1300	1695	0.43	2.42	1.73	79	BN	DO.SP	GY	RD	-	7	5	-	-
2964	120	160	24	7	3250	1010	2240	0.31	3.06	1.80	79	BN	DO.SP	GY	RD	-	7	5	-	-
2965	131	-	-	-	3725	1503	2222	0.40	2.25	1.73	80	BN	DO.SP	GY.BK	RD	-	7	-	5	-
2966	120	157	24	7	3845	1350	2495	0.35	2.22	1.77	79	BN	DO.SP	GY.BK	RD	-	7	5	-	-
2967	120	157	22	8	4495	1940	2555	0.43	2.18	1.83	79	BN	DO.SP	GY.BK	RD	-	7	5	-	-
2968	120	154	22	9	1955	835	1120	0.43	2.36	1.73	79	BN	DO.SP	GY.BK	RD	-	7	-	5	-
2969	120	154	22	10	3330	1460	1870	0.44	2.31	1.67	79	BN	DO.MA	GY.BK	RD	-	7	5	-	-
2970	120	154	23	10	3680	1595	2085	0.43	2.59	1.57	79	BN	DO.MA	GY.BK	RD	-	7	3	-	-
2971	115	154	23	8	3950	1925	2025	0.49	2.67	1.64	79	BN	DO.SP	GY	RD	-	7	5	-	-
2972	120	157	22	8	4350	1850	2500	0.43	2.85	1.80	79	BN	DO.SP	GY	RD	-	7	5	-	-
2973	135	-	-	-	5418	1618	3800	0.30	5.03	1.20	80	PI	AB	AB	YE	-	3	-	-	-
2974	131	-	-	-	3200	1265	1935	0.40	2.18	1.87	80	BN	DO.MA	BK	RD	-	7	5	-	-
2975	131	-	-	-	3153	1275	1878	0.40	2.20	1.77	80	BN	DO.SP	GY.BK	RD	-	7	5	-	-

ILL	TiFl	TiHa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
2976	133	-	-	-	2615	963	1652	0.37	2.34	1.87	80	BN	DO.SP	GY,BK	RD	-	7	5	-	-
2977	131	-	-	-	2440	898	1542	0.37	2.17	1.73	80	BN	DO.MA	BK	RD	-	5	5	-	-
2978	133	-	-	-	2435	860	1575	0.35	2.17	1.73	80	BN	DO.MA	BK	RD	-	5	5	-	-
2979	131	-	-	-	2598	1115	1483	0.43	2.11	1.53	80	BN	DO.SP	GY	RD	-	7	-	5	-
2980	131	-	-	-	3363	1428	1935	0.42	2.04	1.97	80	BN	DO.SP	GY	RD	-	7	5	-	-
2981	133	-	-	-	3608	1300	2308	0.36	2.13	1.70	80	BN	DO.MA	GY,BK	RD	-	7	-	5	-
2982	124	-	-	-	2265	960	1305	0.42	2.79	1.70	80	BN	DO	GY	RD	-	7	-	-	-
2983	131	-	-	-	3405	1410	1995	0.41	3.43	1.33	80	BN	DO	GY	RD	-	7	5	-	-
2984	120	154	22	9	2460	950	1510	0.39	2.40	1.63	79	BN	AB.SP	AB,GY	RD	-	7	-	7	-
2985	115	154	24	8	3485	1355	2130	0.39	3.82	1.68	79	BN	DO	BK	RD	-	7	5	-	-
2986	120	154	22	9	4475	1920	2555	0.43	2.38	1.63	79	BN	DO.SP	GY	RD	-	7	5	-	-
2987	120	154	22	9	2825	975	1850	0.35	2.75	1.70	79	BN	DO.SP	GY	RD	-	7	7	-	-
2988	131	-	-	-	2488	978	1510	0.39	2.27	1.70	80	BN	DO.MA	GY,BK	RD	-	7	-	5	-
2989	120	160	22	8	2110	920	1190	0.44	2.81	1.73	79	BN	DO.MA	GY,BK	RD	-	7	-	7	-
2990	120	160	19	6	1560	680	880	0.44	2.27	1.47	79	BN	DO.MA	GY,BK	RD	-	7	-	5	-
2991	120	154	23	9	2025	810	1215	0.40	2.39	1.73	79	BN	DO.SP	GY,BK	RD	-	7	5	-	-
2992	115	154	23	9	2780	1213	1567	0.44	1.87	1.83	80	BN	DO.SP	GY	RD	-	-	-	5	-
2993	115	157	22	9	4430	1575	2855	0.36	2.48	1.20	79	BN	DO.SP	GY	RD	-	7	5	-	-
2994	115	157	22	10	4740	2085	2655	0.44	3.02	1.40	79	BN	DO.SP	GY	RD	-	7	5	5	-
2995	115	157	23	8	3990	1365	2625	0.34	2.86	1.20	79	BN	DO	GY	RD	-	7	5	-	-
2996	120	157	22	10	3585	1385	2200	0.39	2.45	1.70	79	BN	DO.SP	GY	RD	-	7	5	-	-
2997	115	159	19	7	2850	1105	1745	0.39	2.65	1.70	79	BN	DO.SP	BK	RD	-	7	5	-	-
2998	133	-	-	-	4723	1630	3093	0.35	2.91	1.67	80	BN	DO.MA	OL,BK	RD	-	7	-	7	-
2999	133	-	-	-	3940	1663	2277	0.42	2.19	1.17	80	BK	AB	AB	RD	-	7	-	-	-
3000	126	-	-	-	4473	1560	2913	0.35	3.42	1.67	80	BN	DO.SP	BK	RD	-	7	5	-	-
3001	133	-	-	-	4383	1603	2780	0.37	3.46	1.47	80	BN	DO.SP	GY	RD	-	7	-	5	-
3002	126	-	-	-	3008	1230	1778	0.41	3.34	1.61	80	BN	DO.SP	GY	RD	-	7	5	-	-
3003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3004	131	-	-	-	3283	1313	1970	0.40	2.25	1.80	80	BN	DO.SP	GY	RD	-	7	5	-	-
3005	133	-	-	-	3155	1323	1832	0.42	2.26	1.38	80	BN	DO.SP	GY	RD	-	7	3	-	-
3006	133	-	-	-	3273	1253	2020	0.38	2.25	1.73	80	BN	DO.SP	GY	RD	-	7	5	-	-
3007	131	-	-	-	2960	1223	1737	0.41	2.25	1.70	80	BN	DO.MA	GY,BK	RD	-	7	-	7	-
3008	120	157	18	6	3420	1340	2080	0.39	2.24	1.53	79	BN	DO.SP	GY	RD	-	7	5	-	-
3009	120	157	19	10	4200	1715	2485	0.41	2.30	1.60	79	BN	DO.SP	GY	RD	-	7	5	-	-
3010	120	157	22	9	4950	2000	2950	0.40	2.25	1.77	79	BN	DO.SP	GY	RD	-	7	5	-	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
3011	120	154	23	8	5000	2175	2825	0.44	2.27	1.79	79	BN	DO.SP	GY	RD	-	7	-	7	-
3012	120	154	22	11	3245	1400	1845	0.43	2.37	1.87	79	BN	DO.MA	GY.BK	RD	-	7	5	-	-
3013	120	154	22	11	5070	2045	3025	0.40	2.23	1.70	79	BN	DO.SP	GY	RD	-	7	7	-	-
3014	120	154	23	8	3655	1690	1965	0.46	2.23	1.77	79	BN	DO.SP	GY	RD	-	7	5	-	-
3015	148	-	-	-	2743	838	1905	0.31	5.76	1.08	80	PI	AB	AB	YE	-	5	7	-	-
3016	141	-	-	-	3885	1253	2632	0.32	4.12	1.60	80	PI	AB	AB	YE	-	5	-	7	-
3017	131	-	-	-	2823	985	1838	0.35	2.59	1.60	80	BN	DO	GY	RD	-	7	9	-	-
3018	131	-	-	-	2590	1028	1562	0.40	2.23	1.90	80	BN	DO.SP	GY	RD	-	7	5	-	-
3019	131	-	-	-	2638	1015	1623	0.38	2.23	1.63	80	BN	DO.SP	GY	RD	-	7	3	-	-
3020	148	-	-	-	2605	855	1750	0.33	3.21	1.50	80	BN	AB.SP	AB.GY	YE	-	5	7	-	-
3021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3022	125	159	30	12	4070	1475	2595	0.36	3.39	1.43	79	PI	AB	AB	RD	-	5	5	-	-
3023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3024	126	-	-	-	2505	940	1565	0.38	2.89	1.67	80	BN	DO	GY	RD	-	7	-	-	-
3025	133	-	-	-	3025	1338	1687	0.44	2.27	1.77	80	BN	DO.SP	GY.BK	RD	-	7	-	7	-
3026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3027	133	-	-	-	3158	1388	1770	0.44	-	1.60	80	BN	DO.SP	GY	RD	-	7	-	-	-
3028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3029	133	-	-	-	3675	1485	2190	0.40	2.21	1.72	80	BN	DO.SP	GY	RD	-	7	-	5	-
3030	133	-	-	-	2798	1168	1630	0.42	1.95	1.83	80	BN	DO.SP	BK	RD	-	7	-	3	-
3031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3032	133	-	-	-	3335	1450	1885	0.43	2.23	1.90	80	BN	DO.SP	BK	RD	-	7	-	5	-
3033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3034	-	-	-	-	-	-	-	-	-	-	-	BN	AB.DO	AB.BK	YE	-	-	-	-	-
3035	125	168	27	16	3093	1080	2013	0.35	5.08	1.72	82	GN.PI	AB	AB	YE	-	3	-	-	-
3036	130	168	27	14	5675	2190	3485	0.39	4.06	1.20	79	GN.PI	AB	AB	YE	-	5	5	-	-
3037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3038	145	-	-	-	4545	1433	3112	0.32	4.72	1.40	80	GN.PI	AB	AB	YE	-	5	5	-	-
3039	141	-	-	-	5200	1905	3295	0.37	4.64	1.53	80	PI	AB	AB	YE	-	5	-	-	-
3040	139	-	-	-	4583	1385	3198	0.30	4.49	1.57	80	PI	AB	AB	YE	-	5	-	7	-
3041	120	154	19	10	4135	1640	2495	0.40	2.29	2.00	79	BN	DO.SP	GY	RD	-	7	7	-	-
3042	130	168	32	14	5065	1610	3455	0.32	5.41	1.20	79	PI	AB	AB	YE	-	3	5	-	-
3043	146	-	-	-	4918	1395	3523	0.28	4.38	1.57	80	PI	AB	AB	YE	-	5	-	7	-
3044	120	154	21	10	2880	1130	1750	0.39	2.27	1.63	79	BN	DO.SP	GY	RD	-	7	-	5	-
3045	146	-	-	-	3455	1063	2392	0.31	4.13	1.77	80	GN.PI	AB	AB	YE	-	5	-	9	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
3046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3047	120	154	19	8	2920	1200	1720	0.41	2.04	1.70	79	-	-	-	-	-	7	3	-	-
3048	120	154	19	8	2765	1030	1735	0.37	2.14	1.47	79	BN	DO,MA	BK	RD	-	7	5	-	-
3049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3051	125	173	31	11	3615	1230	2385	0.34	3.89	-	79	BN	AB,DO	AB,OL	RD,YE	-	5	5	-	-
3052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3053	120	154	21	10	3020	1120	1900	0.37	2.41	1.73	79	BN	DO,MA	GY,BK	RD	-	5	-	5	-
3054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3055	131	-	-	-	2723	1088	1635	0.40	2.18	1.73	80	BN	DO,MA	GY,BK	RD	-	5	-	5	-
3056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3057	130	168	23	14	4840	1400	3440	0.29	2.95	1.80	79	GY	AB	AB	YE	-	5	5	-	-
3058	-	-	-	-	-	-	-	-	-	-	-	-	AB	AB	YE	-	-	-	-	-
3059	110	148	22	11	1947	557	1390	0.29	2.50	1.75	82	BK	AB	AB	RD	-	7	7	-	-
306	-	-	-	-	-	-	-	-	-	-	-	-	DO,CO	BK	RD	-	-	-	-	-
3061	151	-	-	-	3870	790	3080	0.20	3.55	1.74	80	BN	AB	AB	YE	-	7	-	-	-
3062	120	154	22	9	2125	825	1300	0.39	2.48	1.27	79	BN	DO,SP	GY,BK	RD	-	7	-	5	-
3063	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3064	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3065	120	160	23	10	2720	830	1890	0.31	1.85	1.70	79	BN	AB,SP	AB,GY	RD	-	7	5	-	-
3066	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3067	120	154	21	10	1575	655	920	0.42	2.14	1.40	79	BN	DO,SP	GY	RD	-	7	-	5	-
3068	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3069	131	-	-	-	3113	1060	2053	0.34	2.04	1.80	80	BN	DO,SP	GY	RD	-	7	5	-	-
307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3071	135	-	-	-	4975	1798	3177	0.36	3.73	1.57	80	PI	AB	AB	YE	-	3	5	-	-
3072	151	-	-	-	2405	668	1737	0.28	2.19	1.52	80	GN	AB	AB	YE	-	5	5	-	-
3073	131	-	-	-	3263	1308	1955	0.40	2.16	1.67	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3074	151	-	-	-	4863	1205	3658	0.25	4.21	1.43	80	PI	AB	AB	YE	-	5	-	9	-
3075	-	-	-	-	-	-	-	-	-	-	-	-	AB	AB	RD	-	7	-	-	-
3076	124	-	-	-	1280	320	960	0.25	2.31	1.69	80	BN	AB,SP	AB,GY	RD	-	7	-	-	-
3077	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3078	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3079	126	-	-	-	3978	1618	2360	0.41	-	1.83	8	-	-	-	-	-	-	-	-	-
3080	151	-	-	-	3725	900	2825	0.24	4.16	1.40	80	GN,PI	AB	AB	RD	-	5	-	-	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
3081	115	154	20	9	2355	1020	1335	0.43	2.30	1.83	79	BN	DO.SP	GY	RD	-	5	-	5	-
3082	113	159	17	9	647	180	467	0.28	2.24	1.66	82	BK	AB	AB	RD	-	7	-	-	-
3083	120	160	20	10	1645	665	980	0.40	2.52	1.33	79	BN	DO.SP	GY	RD	-	7	-	5	-
3084	120	154	22	10	3500	1510	1990	0.43	2.38	1.70	79	BN	DO.SP	GY	RD	-	7	5	-	-
3085	125	159	28	14	2420	955	1465	0.39	3.06	1.53	79	BN	AB.SP	AB.OL	RD.YE	-	7	-	5	-
3086	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3087	120	154	22	9	3260	1320	1940	0.40	2.33	1.33	79	BN	DO.MA	GY.BK	RD	-	7	3	-	-
3088	122	172	20	12	1047	373	674	0.36	2.69	1.73	82	BN	AB	AB	RD	-	-	-	-	-
3089	120	154	21	10	3325	1510	1815	0.45	2.13	1.77	79	BN	DO.SP	BK	RD	-	7	5	-	-
3090	130	168	29	16	3425	1165	2260	0.34	6.19	1.17	79	PI	AB	AB	YE	-	7	-	-	-
3091	120	154	20	10	3085	1255	1830	0.41	2.19	1.40	79	BN	DO.MA	BK	RD	-	7	5	-	-
3092	120	154	21	10	3370	1245	2125	0.37	2.28	1.67	79	BN	DO.MA	BK	RD	-	7	5	-	-
3093	135	-	-	-	5148	1553	3595	0.30	4.48	1.23	80	PI	AB	AB	YE	-	3	-	5	-
3094	120	154	20	10	2710	1215	1495	0.45	2.53	1.40	79	BN	DO.SP	OL.GY	RD	-	7	5	-	-
3095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3096	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3097	120	154	20	8	2675	1070	1605	0.40	2.13	1.63	79	BN	DO.SP	GY	RD	-	7	3	-	-
3098	131	-	-	-	2675	1095	1580	0.41	2.63	1.87	80	BN	DO.SP	BK	RD	-	7	7	-	-
3099	145	-	-	-	6450	1665	4785	0.26	5.71	1.27	80	GN.PI	AB	AB	YE	-	7	-	-	-
3100	131	-	-	-	3610	1455	2155	0.40	2.21	1.86	80	BN	DO.SP	GY.BK	RD	-	7	-	5	-
3101	133	-	-	-	3023	1170	1853	0.39	2.22	1.70	80	BN	DO.SP	GY	RD	-	7	-	5	-
3102	133	-	-	-	3185	1225	1960	0.38	2.26	1.60	80	BN	DO.SP	GY	RD	-	7	-	5	-
3103	120	154	19	6	2170	850	1320	0.39	2.36	1.73	79	BN	DO.SP	GY	RD	-	7	-	7	-
3104	120	154	20	9	3250	1025	2225	0.32	2.34	1.90	79	BN	DO.SP	GY	RD	-	7	-	7	-
3105	120	154	22	11	3770	1790	1980	0.47	2.16	1.50	79	BN	DO.SP	GY	RD	-	7	5	-	-
3106	120	154	18	9	2435	1125	1310	0.46	1.77	1.53	79	BN	CO	GY.BK	RD	-	7	5	-	-
3107	120	154	23	11	2640	1160	1480	0.44	2.14	1.97	79	BN	DO.SP	GY	RD	-	7	5	-	-
3108	120	154	23	10	4175	1645	2530	0.39	2.28	1.73	79	BN	AB.SP	AB.GY	RD	-	7	3	-	-
3109	120	154	22	10	3570	1385	2185	0.39	2.27	1.60	79	BN	DO.SP	GY	RD	-	7	5	-	-
3110	120	154	22	12	-	-	-	-	-	-	79	BN	DO.MA	BK	RD	-	-	-	-	-
3111	133	-	-	-	3290	1355	1935	0.41	2.34	1.57	80	BN	DO.SP	GY	RD	-	7	-	-	-
3112	133	-	-	-	2975	1130	1845	0.38	2.01	1.90	80	BN	DO.SP	GY	RD	-	7	5	-	-
3113	133	-	-	-	2490	980	1510	0.39	2.27	1.57	80	BN	DO.SP	GY	RD	-	7	-	5	-
3114	131	-	-	-	2385	783	1602	0.33	2.21	1.40	80	BN	DO.MA	GY	RD	-	7	-	7	-
3115	126	-	-	-	2353	825	1528	0.35	2.58	1.67	80	BN	DO.MA	GY.BK	RD	-	7	-	3	-

ILL	TiFl	TiNa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
3116	126	-	-	-	1983	843	1140	0.43	3.03	1.73	80	BN	DO,MA	GY,BK	RD	-	7	7	-	-
3117	120	154	23	11	-	-	-	-	-	-	79	-	-	-	-	-	-	-	-	-
3118	120	154	23	7	1760	580	1180	0.33	2.75	1.43	79	BN	DO	GY	RD	-	7	-	5	-
3119	115	154	20	8	2175	755	1420	0.35	2.83	1.60	79	BN	DO	GY	RD	-	7	-	5	-
3120	115	154	24	10	4535	1900	2635	0.42	3.28	1.57	79	BN	DO	GY	RD	-	7	5	-	-
3121	115	154	23	12	4035	1585	2450	0.39	2.83	1.43	79	BN	AB,SP	GY	RD	-	7	5	-	-
3122	115	154	22	10	2085	505	1580	0.24	1.91	1.97	79	BN	AB,SP	GY	RD	-	7	-	3	-
3123	115	154	23	10	2910	1270	1640	0.44	1.93	1.57	79	BN	AB,SP	GY	RD	-	7	5	-	-
3124	110	150	23	10	3275	1400	1875	0.43	3.72	1.53	79	BN	DO	GY	RD	-	7	5	-	-
3125	110	154	22	7	2470	1070	1400	0.43	4.17	1.40	79	BN	DO	GY	RD	-	7	5	-	-
3126	115	154	23	10	3565	1545	2020	0.43	2.97	1.73	79	PI	SP	OL	RD	-	7	5	-	-
3127	115	154	26	9	2695	1070	1625	0.40	4.04	1.60	79	PI	SP	OL	RD	-	7	5	-	-
3128	131	-	-	-	3178	985	2193	0.31	3.46	1.50	80	PI	SP	OL	RD	-	7	5	-	-
3129	131	-	-	-	2688	905	1783	0.34	3.51	1.00	80	PI	SP	OL	RD	-	7	5	-	-
3130	126	-	-	-	3100	1148	1952	0.37	3.57	1.67	80	PI	SP	OL	RD	-	7	-	5	-
3131	133	-	-	-	2935	1070	1865	0.36	3.40	1.77	80	BN	DO,SP	GY	RD	-	7	-	5	-
3132	126	-	-	-	2848	1173	1675	0.41	2.65	1.40	80	BN	DO,SP	GY	RD	-	7	-	5	-
3133	115	154	25	11	5140	2105	3035	0.41	3.81	1.80	79	BN	DO,SP	GY	RD	-	7	7	-	-
3134	115	154	27	12	3948	1388	2560	0.35	3.60	1.30	80	BN	DO,SP	GY	RD	-	7	5	-	-
3135	115	154	21	12	3235	1425	1810	0.44	2.47	1.60	79	BN	DO,SP	GY	RD	-	7	9	-	-
3136	105	154	26	12	3360	1310	2050	0.39	4.16	1.77	79	BN	DO	GY	RD	-	7	-	-	-
3137	115	157	22	11	4675	1730	2945	0.37	3.36	1.43	79	BN	DO,MA	OL,BK	RD	-	7	5	-	-
3138	115	157	25	9	4755	1845	2910	0.39	3.68	1.53	79	BN	DO	OL	RD	-	7	7	-	-
3139	120	157	23	11	5095	2095	3000	0.41	3.23	1.67	79	BN	DO	OL,GY	RD	-	7	5	-	-
3140	120	157	22	10	3730	1375	2355	0.37	2.66	1.73	79	BN	DO	GY	RD	-	7	5	-	-
3141	115	157	22	8	4650	1610	3040	0.35	-	1.38	79	BN	DO	GY	RD	-	7	5	-	-
3142	125	157	26	7	2930	1065	1865	0.36	2.88	1.63	79	BN	DO,SP	GY	RD	-	7	-	3	-
3143	120	154	24	10	4270	1795	2475	0.42	2.37	1.73	79	BN	DO,SP	GY	RD	-	7	5	-	-
3144	115	154	22	9	3335	1450	1885	0.43	3.11	1.53	79	BN	DO	GY	RD	-	7	5	-	-
3145	131	-	-	-	2718	1050	1668	0.39	2.08	1.07	80	BN	DO,SP	GY	RD	-	7	-	5	-
3146	131	-	-	-	2483	968	1515	0.39	2.43	1.70	80	BN	DO,SP	GY	RD	-	7	-	-	-
3147	126	-	-	-	1640	593	1047	0.36	2.85	1.93	80	BN	DO,SP	GY	RD	-	7	-	3	-
3148	131	-	-	-	2250	638	1612	0.28	3.20	1.40	80	BN	DO,SP	BK	RD	-	7	-	3	-
3149	131	-	-	-	2005	778	1227	0.39	2.18	1.97	80	BN	DO,MA	GY	RD	-	7	-	5	-
3150	115	154	26	10	4975	1725	3250	0.35	2.82	1.63	79	BN	DO,SP	BK	RD	-	7	5	-	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
3151	115	160	28	8	2685	1105	1580	0.41	2.91	1.43	79	BN	DO	OL	RD	-	7	5	-	-
3152	133	-	-	-	2670	1063	1607	0.40	2.70	1.77	80	BN	DO.SP	OL	RD	-	7	-	5	-
3153	120	160	20	8	2225	725	1500	0.33	2.30	1.63	79	BN	DO.SP	OL	RD	-	5	-	3	-
3154	133	-	-	-	2758	1045	1713	0.38	2.76	1.67	80	BN	DO	OL	RD	-	7	5	-	-
3155	133	-	-	-	2790	1043	1747	0.37	2.29	1.59	80	BN	DO.SP	GY	RD	-	5	5	-	-
3156	133	-	-	-	2518	958	1560	0.38	2.65	1.87	80	BN	DO.SP	OL.GY	RD	-	7	7	-	-
3157	120	154	23	8	4285	1860	2425	0.43	2.35	1.13	79	BN	DO.SP	GY.BK	RD	-	7	9	-	-
3158	120	154	25	10	4520	1920	2600	0.42	2.96	1.70	79	BN	DO.SP	OL.GY	RD	-	7	5	-	-
3159	120	154	24	8	3895	1675	2220	0.43	2.28	1.13	79	BN	DO.SP	BK	RD	-	7	5	-	-
3160	120	157	23	9	4895	2020	2875	0.41	2.17	1.73	79	BN	DO.SP	BK	RD	-	7	3	-	-
3161	131	-	-	-	2843	1095	1748	0.39	2.53	1.87	80	BN	DO.SP	BK	RD	-	7	-	3	-
3162	133	-	-	-	2870	1158	1712	0.40	2.66	1.63	80	BN	DO.SP	BK	RD	-	7	-	3	-
3163	120	154	22	9	3038	1188	1850	0.39	2.23	1.67	80	BN	DO.SP	GY	RD	-	7	7	-	-
3164	126	-	-	-	2335	733	1602	0.31	3.21	1.62	80	BN	DO.SP	BK	RD	-	7	-	3	-
3165	115	154	24	9	5295	2255	3040	0.43	2.71	1.37	79	BN	DO.SP	GY	RD	-	5	-	-	-
3166	120	154	22	9	4300	1795	2505	0.42	2.40	1.57	79	BN	DO.MA	BK	RD	-	5	5	-	-
3167	126	-	-	-	1778	618	1160	0.35	2.41	1.70	80	BN	AB.MA	AB.OL	RD	-	7	-	7	-
3168	133	-	-	-	3113	1263	1850	0.41	2.26	1.53	80	BN	DO.SP	BK	RD	-	7	-	5	-
3169	133	-	-	-	2563	940	1623	0.37	2.64	1.77	80	BN	DO.SP	GY	RD	-	7	-	3	-
317	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3171	133	-	-	-	3463	1483	1980	0.43	2.43	1.60	80	BN	DO.SP	GY	RD	-	7	-	7	-
3172	131	-	-	-	3108	1193	1915	0.38	2.31	1.77	80	BN	DO.SP	BK	RD	-	7	5	-	-
3173	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3175	126	-	-	-	2813	793	2020	0.28	4.22	1.30	80	BN	AB.SP	AB.BN	RD	-	7	5	-	-
3176	120	157	23	7	3290	1300	1990	0.40	2.41	1.33	79	BN	DO.SP	BK	RD	-	7	5	-	-
3177	120	160	22	6	1730	610	1120	0.35	2.36	1.63	79	BN	DO.SP	BK	RD	-	7	-	5	-
3178	120	160	22	8	1610	700	910	0.43	2.32	1.50	79	BN	DO.MA	BK	RD	-	7	-	9	-
3179	120	160	22	7	2300	740	1560	0.32	2.36	1.87	79	BN	DO.MA	BK	RD	-	7	-	5	-
3180	120	154	23	10	5155	2180	2975	0.42	2.25	1.50	79	BN	DO.SP	BK	RD	-	7	5	-	-
3181	120	154	22	11	4885	1950	2935	0.40	2.20	1.47	79	BN	DO.SP	BK	RD	-	7	5	-	-
3182	120	173	29	16	3715	1075	2640	0.29	4.11	1.57	79	GY	AB	YE	-	-	3	-	7	-
3183	120	154	22	10	4885	2110	2775	0.43	2.28	1.97	79	BN	DO.SP	BK	RD	-	7	5	-	-
3184	120	154	20	9	5020	2260	2760	0.45	2.15	1.23	79	BN	DO.SP	BK	RD	-	7	3	-	-
3185	124	-	-	-	1663	295	1368	0.18	3.71	1.10	80	BN	DO.MA	BK	RD	-	7	-	3	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	ColCol	ProZ	CS	OS79	OS80	OS81
3186	110	157	20	9	4025	1540	2485	0.38	3.57	1.67	79	BN	DO.SP	BK	RD	-	7	5	-	-
3187	120	157	22	10	3950	1595	2355	0.40	2.50	1.70	79	BN	DO.SP	BK	RD	-	7	3	-	-
3188	124	-	-	-	2140	693	1447	0.32	4.14	1.63	80	BN	AB.SP	AB.BN	RD	-	7	-	-	-
3189	110	154	24	10	3450	1255	2195	0.36	3.82	1.19	79	BN.GY	AB.SP	AB.OL	RD	-	7	-	5	-
3190	120	154	23	10	3155	1335	1820	0.42	2.39	1.74	79	BN	DO.SP	BK	RD	-	7	5	-	-
3191	110'	154	24	12	3085	1275	1810	0.41	4.12	1.00	79	BN	AB.SP	OL.BN	RD	-	7	-	3	-
3192	120	154	21	10	2725	1240	1485	0.46	2.33	1.10	79	BN	DO.SP	BK	RD	-	7	5	-	-
3193	110	154	21	10	3110	1350	1760	0.43	3.27	1.40	79	BN	DO.SP	OL.BK	RD	-	-	5	5	-
3194	120	160	18	6	1505	655	850	0.44	2.41	2.00	79	BN	DO.SP	GY	RD	-	7	-	-	-
3195	126	-	-	-	2973	770	2203	0.26	3.16	1.57	80	BN	DO.SP	OL.BK	RD	-	7	-	-	-
3196	115	160	23	10	2670	800	1870	0.30	4.46	1.52	79	GY	DO.MA	OL	YE	-	7	-	5	-
3197	110	157	20	9	2225	1070	1155	0.48	2.24	1.30	79	BN	DO.SP	OL.GY	RD	-	7	-	-	-
3198	120	157	22	11	2950	1430	1520	0.48	2.32	1.20	79	BN	DO.SP	BK	RD	-	7	5	-	-
3199	115	157	18	7	3210	1575	1635	0.49	4.34	1.33	79	BN	DO	OL	RD	-	7	5	-	-
3200	120	160	21	8	2560	765	1795	0.30	2.25	1.57	79	BN	DO.SP	BK	RD	-	7	-	7	-
3201	126	-	-	-	4015	553	3462	0.14	4.06	1.33	80	BN	DO.SP	GY	RD	-	7	-	-	-
3202	119	-	-	-	1658	338	1320	0.20	4.20	1.13	80	BN	DO	OL	RD	-	7	-	3	-
3203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3204	115	154	21	8	2810	1280	1530	0.46	4.19	1.52	79	BN	DO	BK	RD	-	7	-	5	-
3205	124	-	-	-	1780	390	1390	0.22	3.49	1.43	80	BN	DO	BK	RD	-	7	5	-	-
3206	124	-	-	-	570	-	-	-	4.06	1.20	8	-	-	-	-	-	7	-	5	-
3207	105	157	23	8	2690	1065	1625	0.40	3.64	1.53	79	BN	DO.SP	BK	RD	-	7	-	3	-
3208	119	-	-	-	1690	300	1390	0.18	4.05	1.47	80	BN	DO	OL	RD	-	7	-	3	-
3209	105	154	21	9	2400	745	1655	0.31	4.62	1.60	79	BN	DO.MA	BK	RD	-	7	-	-	-
3210	120	154	21	10	2485	1100	1385	0.44	2.34	1.67	79	BN	DO.MA	BK	RD	-	7	-	7	-
3211	120	159	22	10	-	-	-	-	-	-	79	-	-	-	-	-	-	-	-	-
3212	120	159	22	11	-	-	-	-	-	-	79	-	-	-	-	-	-	-	-	-
3213	105	159	24	10	3520	1605	1915	0.46	4.38	1.17	79	BN	DO	OL	RD	-	7	3	-	-
3214	120	159	23	11	-	-	-	-	-	-	79	BN	DO	GY	RD	-	-	-	-	-
3215	126	-	-	-	1688	638	1050	0.38	2.74	1.97	80	BN	DO.SP	OL.BK	RD	-	7	5	-	-
3216	120	160	20'	8	1310	525	785	0.40	2.92	1.27	79	BN	DO.MA	BK	RD	-	7	-	5	-
3217	120	168	21	8	2718	990	1728	0.36	2.46	1.86	80	BK	AB	AB	RD	-	7	-	5	-
3218	133	-	-	-	2075	620	1455	0.30	2.41	1.50	80	BN	DO.SP	BK	RD	-	7	5	-	-
3219	120	160	21	8	1415	725	690	0.51	2.38	1.60	79	BN	DO.MA	BK	RD	-	7	-	7	-
3220	120	160	22	10	2505	850	1655	0.34	2.44	1.72	79	BN	DO.MA	BK	RD	-	7	5	-	-

ILL	TiFl	TiMa	Hgt	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
3221	126	-	-	-	2245	588	1657	0.26	3.22	1.55	80	BN	DO.SP	BK	RD	-	7	-	3	-
3222	126	-	-	-	1650	503	1147	0.30	-	1.27	80	BN	DO.MA	OL.BK	RD	-	7	-	-	-
3223	133	-	-	-	2085	730	1355	0.35	2.42	1.17	80	BN	DO.SP	BK	RD	-	7	-	7	-
3224	133	-	-	-	3120	-	-	-	2.46	1.47	80	BN	DO.SP	BK	RD	-	7	-	-	-
3225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3226	133	-	-	-	3405	1248	2157	0.37	2.45	1.40	80	BN	DO.MA	BK	RD	-	7	-	7	-
3227	133	-	-	-	4018	1250	2768	0.31	3.60	1.69	80	BN	DO.MA	BK	RD	-	7	-	5	-
3228	133	-	-	-	3405	700	2705	0.21	3.52	1.13	80	BN	DO.SP	OL	RD	-	7	-	5	-
3229	115	154	26	10	2820	985	1835	0.35	2.02	1.73	80	BN	DO.SP	BK	RD	-	-	-	-	-
3230	110	154	25	10	4000	1950	2050	0.49	3.87	1.13	79	BN	DO.MA	BK	RD	-	7	5	-	-
3231	120	154	22	8	-	-	-	-	-	-	79	BN	DO.MA	OL	RD	-	-	-	-	-
3232	115	154	21	10	3885	1720	2165	0.44	2.50	1.47	79	BN	AB.MA	AB.BK	RD	-	7	3	-	-
3233	115	154	21	10	2295	710	1585	0.31	2.20	1.43	80	BN	DO.SP	BK	RD	-	-	-	-	-
3234	124	-	-	-	2608	848	1760	0.33	2.95	1.63	80	BN	DO.SP	BK	RD	-	7	-	5	-
3235	120	157	24	12	4900	1860	3040	0.38	2.46	1.73	79	BN	DO.SP	BK	RD	-	7	5	-	-
3236	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3237	124	-	-	-	2698	808	1890	0.30	3.98	1.43	80	BN	AB.DO	AB.GY	RD	-	7	-	5	-
3238	120	157	22	11	2713	890	1823	0.33	1.77	1.80	80	BN	DO.MA	BK	RD	-	-	-	3	-
3239	120	154	22	8	-	-	-	-	-	-	79	-	-	-	-	-	-	-	-	-
3240	119	-	-	-	4388	615	3773	0.14	3.09	1.60	80	BN	AB.SP	AB.GY	RD	-	7	5	-	-
3241	-	-	-	-	-	-	-	-	-	-	-	BN	AB.MA	AB.GY	RD	-	-	-	-	-
3242	119	-	-	-	1715	468	1247	0.27	2.73	1.80	80	PI.GY	AB.MA	AB.OL	RD	-	7	-	5	-
3243	110	154	25	13	3825	1450	2375	0.38	3.48	1.63	79	BN	DO.MA	BK	RD	-	-	5	-	-
3244	115	154	24	9	2700	1205	1495	0.45	2.61	1.67	79	BN	DO.MA	BK	RD	-	7	5	-	-
3245	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3246	120	154	24	10	4915	2060	2855	0.42	2.81	1.70	79	BN	DO.SP	BK	RD	-	7	5	-	-
3247	110	160	25	11	3770	880	2890	0.23	3.45	1.30	79	BN	DO.SP	BK	RD	-	7	-	-	-
3248	133	-	-	-	2993	1063	1930	0.36	2.53	1.77	80	BK	AB	AB	RD	-	5	-	7	-
3249	131	-	-	-	2873	788	2085	0.27	2.40	1.73	80	BN	DO.MA	GY.BK	RD	-	5	-	5	-
325	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3251	126	-	-	-	1773	633	1140	0.36	2.83	1.67	80	BN	AB.SP	AB.OL	RD	-	7	-	3	-
3252	131	-	-	-	4010	1285	2725	0.32	2.29	1.54	80	BN	DO.MA	BK	RD	-	7	-	3	-
3253	133	-	-	-	2805	930	1875	0.33	3.26	1.52	80	BN	AB.MA	BK	RD	-	5	-	7	-
3254	135	-	-	-	2008	598	1410	0.30	2.77	1.42	80	BN	AB.SP	AB.BK	RD	-	7	-	-	-
3255	133	-	-	-	1740	585	1155	0.34	2.35	1.57	80	BN	DO.MA	BK	RD	-	7	-	3	-

ILL	TIF1	TiNa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
3256	120	157	22	10	2590	818	1772	0.32	1.76	1.85	80	BN	DO,MA	GY	RD	-	-	-	-	-
3257	120	157	21	12	2270	805	1465	0.35	1.82	1.53	80	BN	DO,MA	GY	RD	-	-	-	-	-
3258	120	157	22	10	1863	638	1225	0.34	1.75	1.59	80	BN	DO,MA	GY	RD	-	-	-	-	-
3259	120	157	23	10	-	-	-	-	-	-	79	GN	DO,MA	GY	RD	-	-	-	-	-
3260	110	154	19	10	2000	800	1200	0.40	3.51	1.80	79	BN	DO	OL	RD	-	7	-	-	-
3261	115	154	23	9	3055	1205	1850	0.39	2.56	1.60	79	BN	DO,MA	BK	RD	-	7	5	-	-
3262	124	-	-	-	1720	515	1205	0.30	2.81	1.59	80	BN	AB,SP	AB,BK	RD	-	7	-	-	-
3263	120	154	21	10	1908	603	1305	0.32	-	1.60	80	BN	DO,MA	BK	RD	-	-	-	-	-
3264	120	154	23	11	2118	783	1335	0.37	1.85	1.77	80	BN	DO,MA	BK	RD	-	-	-	-	-
3265	115	154	21	9	3240	1285	1955	0.40	3.51	1.33	79	BN	AB,SP	AB,OL	RD	-	7	3	-	-
3266	115	157	18	9	-	-	-	-	-	-	79	-	-	-	-	-	7	-	-	-
3267	131	-	-	-	2248	625	1623	0.28	3.14	1.17	80	BN	AB,MA	AB,OL	RD	-	7	-	3	-
3268	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3269	120	157	20	10	2540	740	1800	0.29	2.41	1.50	79	BN	DO,SP	BK	RD	-	7	-	5	-
3270	133	-	-	-	2710	833	1877	0.31	2.84	1.70	80	BN	DO,MA	BK	RD	-	7	5	-	-
3271	133	-	-	-	1968	650	1318	0.33	3.35	1.53	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3272	131	-	-	-	3175	1300	1875	0.41	2.24	1.50	80	BN	DO,MA	BK	RD	-	5	-	5	-
3273	133	-	-	-	2898	1140	1758	0.39	2.28	1.63	80	BN	DO,MA	BK	RD	-	5	-	9	-
3274	126	-	-	-	3508	1310	2198	0.37	2.84	1.77	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3275	131	-	-	-	2805	890	1915	0.32	2.28	1.80	80	BN	DO,MA	BK	RD	-	7	-	5	-
3276	131	-	-	-	2790	1070	1720	0.38	2.25	1.73	8	-	-	-	-	-	7	7	-	-
3277	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3278	126	-	-	-	2735	1120	1615	0.41	3.83	1.14	80	BN	AB,SP,MA	OL,GY	RD	-	7	-	-	-
3279	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3280	120	159	22	11	2470	740	1730	0.30	2.57	1.73	79	BN	DO,MA	OL,BK	RD	-	7	-	9	-
3281	124	-	-	-	2798	1045	1753	0.37	3.43	1.60	80	BN	DO,MA	OL	RD	-	7	-	-	-
3282	133	-	-	-	2923	1035	1888	0.35	3.00	1.93	80	BN	DO,MA	BK	RD	-	7	-	3	-
3283	120	157	24	11	4135	1525	2610	0.37	2.35	1.93	79	BN	DO,SP	OL	RD	-	7	5	-	-
3284	105	154	21	12	-	-	-	-	-	-	79	-	-	-	-	-	-	-	-	-
3285	110	154	22	10	2645	1110	1535	0.42	3.18	1.67	79	BN	DO,MA	OL	RD	-	7	-	3	-
3286	115	154	21	13	2990	1220	1770	0.41	3.36	1.50	79	BN	DO,MA	OL	RD	-	7	-	5	-
3287	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3288	120	154	21	12	3020	1345	1675	0.45	2.24	1.76	79	BN	DO,MA	BK	RD	-	7	5	-	-
3289	120	154	22	10	2940	1310	1630	0.45	2.23	1.60	79	BN	DO,SP	BK	RD	-	7	-	5	-
3290	120	157	21	11	4150	1650	2500	0.40	2.20	1.67	79	BN	DO,MA	GY	RD	-	5	3	-	-

ILL	TiFl	TiHa	Hgt	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
3291	133	-	-	-	3495	1330	2165	0.38	2.27	1.60	80	BN	DO,MA	BK	RD	-	7	-	3	-
3292	133	-	-	-	2703	935	1768	0.35	2.24	1.53	80	BN	DO,MA	BK	RD	-	7	-	7	-
3293	133	-	-	-	2848	1255	1593	0.44	2.27	1.97	80	BN	DO,MA	BK	RD	-	5	-	7	-
3294	133	-	-	-	2390	918	1472	0.38	2.30	1.64	80	BN	DO,MA	BK	RD	-	5	-	5	-
3295	133	-	-	-	3305	1293	2012	0.39	2.28	1.17	80	BN	DO,MA	GY	RD	-	7	5	-	-
3296	131	-	-	-	3095	1270	1825	0.41	2.47	1.50	80	BN	DO,SP	GY	RD	-	7	5	-	-
3297	131	-	-	-	2355	1045	1310	0.44	2.23	1.43	80	BN	DO,MA	BK	RD	-	7	5	-	-
3298	120	160	23	8	3750	1545	2205	0.41	2.32	1.77	79	BN	DO,SP	BK	RD	-	7	5	-	-
3299	120	154	23	12	2425	1095	1330	0.45	2.23	1.57	79	BN	DO,SP	GY,BK	RD	-	7	7	-	-
3300	120	154	23	8	2345	1075	1270	0.46	2.19	1.11	79	BN	DO,MA	BK	RD	-	7	-	5	-
3301	120	154	22	12	2810	1035	1775	0.37	2.18	1.57	79	BN	DO,MA	BK	RD	-	7	-	5	-
3302	120	154	22	8	1875	765	1110	0.41	2.26	1.63	79	BN	DO,MA	BK	RD	-	7	-	3	-
3303	120	154	22	10	2120	885	1235	0.42	2.18	1.63	79	BN	DO,MA	BK	RD	-	7	-	5	-
3304	120	154	22	8	1940	840	1100	0.43	2.59	1.67	79	BN	DO,MA	BK	RD	-	7	-	5	-
3305	120	154	22	13	1845	740	1105	0.40	2.08	1.57	79	BN	DO,MA	BK	RD	-	7	-	5	-
3306	120	157	21	9	2520	1125	1395	0.45	2.14	1.57	79	BN	DO,MA	BK	RD	-	7	3	-	-
3307	133	-	-	-	2403	960	1443	0.40	2.26	1.53	80	BN	DO,MA	BK	RD	-	5	-	5	-
3308	133	-	-	-	1945	735	1210	0.38	2.30	1.53	80	BN	DO,MA	BK	RD	-	5	-	5	-
3309	133	-	-	-	2435	815	1620	0.33	2.42	1.60	80	BN	DO,MA	BK	RD	-	5	-	7	-
3310	133	-	-	-	2473	955	1518	0.39	2.37	1.93	80	BN	DO,MA	BK	RD	-	5	5	-	-
3311	133	-	-	-	2493	1010	1483	0.41	2.18	1.53	80	BN	DO,MA	BK	RD	-	7	5	-	-
3312	120	154	22	10	2175	980	1195	0.45	2.29	1.43	79	BN	DO,MA	BK	RD	-	7	3	-	-
3313	120	154	19	8	2745	1025	1720	0.37	1.76	1.96	80	BN	DO,SP	GY,BK	RD	-	-	-	-	-
3314	120	154	24	10	2510	1135	1375	0.45	2.39	1.67	79	BN	DO,MA	GY,BK	RD	-	7	7	-	-
3315	120	154	22	9	2710	1210	1500	0.45	2.35	1.63	79	BN	DO,SP	BK	RD	-	7	3	-	-
3316	-	-	-	-	-	-	-	-	-	-	-	BN	DO,MA	GY,BK	RD	-	-	-	-	-
3317	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3318	120	154	23	10	2390	1070	1320	0.45	2.32	1.67	79	BN	DO,MA	GY,BK	RD	-	7	-	9	-
3319	120	154	23	7	2400	880	1520	0.37	2.32	1.67	79	BN	DO,MA	BK	RD	-	7	5	-	-
332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3321	120	154	26	9	3050	1450	1600	0.48	2.23	1.63	79	BN	DO,MA	BK	RD	-	7	5	-	-
3322	120	154	20	9	2450	1065	1385	0.43	2.27	1.70	79	BN	DO,MA	BK	RD	-	7	-	9	-
3323	120	154	24	10	2530	885	1645	0.35	2.35	1.60	79	BN	DO,MA	BK	RD	-	7	-	7	-
3324	120	154	24	10	1545	765	780	0.5	2.28	1.50	79	BN	DO,MA	BK	RD	-	7	5	-	-
3325	120	154	25	12	2350	1030	1320	0.44	2.30	1.77	79	BN	DO,MA	BK	RD	-	7	3	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
3326	120	154	23	10	775	435	340	0.56	2.36	1.67	79	BN	DO,MA	BK	RD	-	7	-	9	-
3327	133	-	-	-	2238	945	1293	0.42	2.24	1.93	8	-	-	-	-	-	7	-	7	-
3328	-	-	-	-	-	-	-	-	-	-	-	GY	DO	GY	RD	-	-	-	-	-
3329	-	-	-	-	-	-	-	-	-	-	-	BN	DO	BK	RD	-	7	-	-	-
3330	113	148	21	8	-	-	-	-	2.04	1.82	82	PI	DO	GY	RD	-	7	-	-	-
3331	133	-	-	-	1570	630	940	0.40	2.23	1.29	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3332	120	154	24	11	2235	930	1305	0.42	2.32	1.87	79	BN	DO,MA	GY,BK	RD	-	7	-	7	-
3333	120	154	24	9	2020	840	1180	0.42	2.22	1.83	79	BN	DO,MA	GY,BK	RD	-	7	-	7	-
3334	120	160	20	8	1770	730	1040	0.41	2.40	1.47	79	BN	DO	GY	RD	-	7	-	5	-
3335	133	-	-	-	1638	245	1393	0.15	2.27	1.70	80	BN	DO,MA	BK	RD	-	7	5	-	-
3336	133	-	-	-	2120	835	1285	0.39	1.84	1.50	80	BN	DO,MA	BK	RD	-	-	-	-	-
3337	133	-	-	-	1910	485	1425	0.25	2.31	1.77	80	BN	DO,MA	BK	RD	-	7	5	7	-
3338	120	154	24	9	2565	1165	1400	0.45	2.36	1.57	79	BN	AB,DO,SP	AB,BK	RD	-	7	3	-	-
3339	120	154	23	10	2800	1150	1650	0.41	2.20	1.34	79	BN	DO	GY,BK	RD	-	7	7	-	-
3340	120	154	23	10	2305	995	1310	0.43	2.36	1.67	79	BN	DO,SP	BK	RD	-	7	-	7	-
3341	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3342	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3343	120	154	25	10	3245	1515	1730	0.47	2.21	1.53	79	BN	DO,MA	GY,BK	RD	-	7	5	-	-
3344	120	154	25	10	3300	1500	1800	0.45	2.30	1.60	79	BN	DO,MA	BK	RD	-	7	3	-	-
3345	120	154	24	14	3325	1395	1930	0.42	2.26	1.70	79	BN	DO,SP	GY	RD	-	7	5	7	-
3346	120	154	25	10	2785	1225	1560	0.44	2.23	1.60	79	BN	DO,MA	BK	RD	-	7	9	-	-
3347	133	-	-	-	2570	900	1670	0.35	2.49	1.67	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3348	133	-	-	-	2095	890	1205	0.42	2.42	1.60	80	BN	DO,MA	GY,BK	RD	-	7	5	-	-
3349	133	-	-	-	1555	610	945	0.39	2.36	1.47	80	BN	DO,MA	GY,BK	RD	-	7	5	-	-
3350	133	-	-	-	1705	695	1010	0.41	2.36	1.63	8	-	-	-	-	-	7	3	-	-
3351	133	-	-	-	1795	698	1097	0.39	2.31	1.70	80	BN	DO,MA	OL,BK	RD	-	7	5	-	-
3352	133	-	-	-	1150	400	750	0.35	2.27	1.57	80	BN	DO,MA	OL,BK	RD	-	7	5	-	-
3353	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3354	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-
3355	133	-	-	-	1410	560	850	0.40	2.33	1.67	80	BN	DO	GY	RD	-	7	5	-	-
3356	133	-	-	-	1205	420	785	0.35	2.36	1.67	80	BN	DO,MA	OL,BK	RD	-	7	5	-	-
3357	133	-	-	-	1585	600	985	0.38	2.22	1.76	80	BN	DO,MA	OL,BK	RD	-	7	5	-	-
3358	120	154	25	10	2425	975	1450	0.40	2.12	1.50	79	BN	DO,MA	OL,BK	RD	-	7	3	-	-
3359	120	154	23	11	2075	935	1140	0.45	2.08	1.63	79	BN	DO,MA	GY,BK	RD	-	7	5	-	-
3360	120	154	22	10	1800	745	1055	0.41	2.09	1.83	79	BN	DO,MA	GY,BK	RD	-	7	-	7	-

ILL	TiFl	line	area	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	ColCol	ProZ	CS	0579	0580	0581
3361	120	154	23	10	2875	1275	1600	0.44	2.37	1.40	79	BN	DO	OL	RD	-	7	5	-	-
3362	120	154	25	9	3055	1410	1645	0.46	2.30	1.73	79	BN	DO	GY	RD	-	7	5	-	-
3363	120	154	24	9	2000	880	1120	0.44	2.56	1.83	79	BN	DO,MA	GY,BK	RD	-	7	5	-	-
3364	138	180	31	13	3603	1320	2283	0.37	3.27	1.33	80	GN,PI	AB	AB	YE	-	7	5	-	-
3365	120	157	16	10	3515	1430	2085	0.41	2.37	1.60	79	BN	DO,MA	GY,BK	RD	-	7	3	-	-
3366	126	-	-	-	2018	1038	980	0.51	3.30	1.70	80	BN	DO,MA	OL,BK	RD	-	-	-	3	-
3367	115	154	19	8	4735	2040	2695	0.43	3.83	1.57	79	BN	DO	BN	RD	-	7	5	-	-
3368	115	154	23	8	3765	1815	1950	0.48	4.15	1.37	79	BN	DO,MA	OL	RD	-	7	3	-	-
3369	115	154	24	10	3490	1700	1790	0.49	3.62	1.55	79	BN	DO,MA	OL,BK	RD	-	7	5	-	-
3370	115	154	24	9	3875	1720	2155	0.44	2.90	1.63	79	BN	DO,MA	OL,BK	RD	-	7	7	-	-
3371	126	-	-	-	2508	910	1598	0.36	2.53	1.47	80	BN	DO	OL	RD	-	7	5	-	-
3372	124	-	-	-	1710	420	1290	0.25	-	1.47	8	-	-	-	-	-	7	5	-	-
3373	133	-	-	-	2280	890	1390	0.39	2.14	1.83	80	BN	DO,MA	BK	RD	-	7	5	-	-
3374	133	-	-	-	2825	1185	1640	0.42	2.46	1.93	80	BN	DO,MA	BK	RD	-	7	-	-	-
3375	133	-	-	-	2055	800	1255	0.39	2.23	1.77	80	BN	DO,MA	BK	RD	-	7	9	-	-
3376	133	-	-	-	2368	920	1448	0.39	2.29	1.93	80	BN	DO,MA	GY	RD	-	7	7	-	-
3377	133	-	-	-	3278	1265	2013	0.39	2.38	1.93	80	BN	DO,MA	GY,BK	RD	-	7	5	-	-
3378	133	-	-	-	3520	1415	2105	0.40	2.25	1.62	80	BN	DO,MA	GY,BK	RD	-	7	7	-	-
3379	-	-	-	-	3379	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3380	133	-	-	-	2285	885	1400	0.39	2.12	1.67	80	BN	DO,MA	GY,BK	RD	-	7	5	-	-
3381	120	157	23	10	3320	1450	1870	0.44	2.30	1.73	79	BN	DO,SP	GY,BK	RD	-	7	5	-	-
3382	120	154	22	9	3470	1545	1925	0.45	2.24	1.13	79	BN	DO,MA	OL,BK	RD	-	7	5	-	-
3383	120	154	25	10	4310	2025	2285	0.47	2.36	1.77	79	BN	DO,MA	OL,BK	RD	-	7	3	-	-
3384	120	154	22	11	3790	1620	2170	0.43	2.18	1.63	79	BN	DO,MA	OL,BK	RD	-	7	5	-	-
3385	-	-	-	-	3035	-	-	-	2.55	-	8	-	-	-	-	-	5	-	-	-
3386	148	-	-	-	3888	875	3013	0.23	4.14	1.20	80	GN,BN	CO	OL,BK	YE	-	7	-	5	-
3387	-	-	-	-	-	-	-	-	-	-	-	GN,PI	AB,MA	AB,OL	YE	-	7	-	-	-
3388	151	-	-	-	6983	1158	5825	0.17	4.90	1.03	80	PI	AB	AB	YE	-	7	-	-	-
3389	-	-	-	-	-	-	-	-	-	-	-	GN,PI	AB,MA	AB,OL	YE	-	7	-	-	-
339	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3392	149	-	-	-	6985	1060	5925	0.15	6.12	1.23	80	GN,PI	AB	AB	YE	-	5	-	-	-
3393	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3394	158	-	-	-	3443	400	3043	0.12	2.63	1.37	80	BN	AB,SP	AB,GY	RD,YE	-	7	-	5	-
3395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProX	CS	OS79	OS80	OS81
3396	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3397	120	152	25	12	3590	1640	1950	0.46	2.83	1.80	79	BK	AB	AB	RD	-	7	5	-	-
3398	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3399	115	152	26	15	3670	1525	2145	0.42	3.40	1.70	79	BN	DO	BN	RD	-	7	5	-	-
3400	126	-	-	-	3610	1595	2015	0.44	2.57	1.47	80	BN	DO	BN	RD	-	7	7	-	-
3401	133	-	-	-	4100	1550	2550	0.38	2.57	1.63	80	BN	DO,MA	BN,BK	RD	-	7	5	-	-
3402	133	-	-	-	4150	1785	2365	0.43	2.54	1.73	80	BN	DO,MA	BN,BK	RD	-	7	5	-	-
3403	133	-	-	-	3955	1720	2235	0.43	2.67	1.60	80	BN	DO,MA	BN,BK	RD	-	7	5	-	-
3404	133	-	-	-	3923	1730	2193	0.44	2.68	1.67	80	BN	DO,MA	BN,BK	RD	-	7	5	-	-
3405	133	-	-	-	2850	1230	1620	0.43	2.54	1.47	80	BN	DO,MA	BN,BK	RD	-	7	-	3	-
3406	133	-	-	-	3468	1370	2098	0.40	2.99	1.53	80	BN	DO,MA	BN,BK	RD	-	7	-	5	-
3407	133	-	-	-	3313	1535	1778	0.46	2.47	1.63	80	BN	DO,MA	BN,BK	RD	-	7	-	5	-
3408	133	-	-	-	2380	1135	1245	0.48	2.82	1.50	80	BN	DO,MA	BN,BK	RD	-	7	-	-	-
3409	133	-	-	-	2675	1240	1435	0.46	2.55	1.77	80	BN	DO,MA	BN,BK	RD	-	7	-	-	-
341	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3411	133	-	-	-	2410	1203	1207	0.5	2.48	1.53	80	BN	DO,MA	BN,BK	RD	-	5	-	5	-
3412	133	-	-	-	2088	985	1103	0.47	2.54	1.50	80	BN	DO	BN	RD	-	7	-	5	-
3413	133	-	-	-	1878	813	1065	0.43	2.37	1.53	80	BN	DO	BN	RD	-	7	7	-	-
3414	133	-	-	-	2100	935	1165	0.45	3.22	1.60	80	BN	DO	BN	RD	-	7	-	5	-
3415	126	-	-	-	2085	1095	990	0.53	2.80	1.43	80	BN	DO	BN	RD	-	7	-	5	-
3416	126	-	-	-	3475	1840	1635	0.53	2.98	1.30	80	BN	DO	BN	RD	-	7	-	7	-
3417	133	-	-	-	2810	1338	1472	0.48	2.51	1.57	80	BN	DO,CO	BN,BK	RD	-	5	-	5	-
3418	126	-	-	-	2440	1243	1197	0.51	3.08	1.38	80	BN	DO,CO	BN,BK	RD	-	7	-	5	-
3419	126	-	-	-	3348	1410	1938	0.42	3.31	1.33	80	BN	DO,CO	BN,BK	RD	-	7	-	-	-
342	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3421	126	-	-	-	2830	1310	1520	0.46	2.93	1.53	80	BN	DO,CO	BN,BK	RD	-	7	-	3	-
3422	133	-	-	-	2383	1045	1338	0.44	2.83	1.60	80	BN	DO,CO	BN,BK	RD	-	7	-	-	-
3423	133	-	-	-	2113	1000	1113	0.47	2.45	1.67	80	BN	DO,CO	BN,BK	RD	-	7	-	7	-
3424	133	-	-	-	2278	1165	1113	0.51	2.84	1.70	80	BN	DO,CO	BN,BK	RD	-	7	5	-	-
3425	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3426	126	-	-	-	2133	1030	1103	0.48	2.95	1.80	80	BN	DO,CO	BN,BK	RD	-	7	-	-	-
3427	135	-	-	-	6655	2260	4395	0.34	2.95	1.13	8	-	-	-	-	-	7	5	-	-
3428	124	-	-	-	1975	910	1065	0.46	2.79	1.67	80	BN	DO,CO	BN,BK	RD	-	5	-	7	-
3429	115	154	23	6	1981	1001	980	0.51	2.90	1.33	79	BN	DO,CO	BN,BK	RD	-	7	-	5	-
3430	120	154	22	7	1800	815	985	0.45	2.63	1.10	79	-	-	-	-	-	7	-	7	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
3431	113	144	23	12	2080	760	1320	0.37	2.49	1.68	82	BN	DO.CO	BK	RD	-	7	-	-	-
3432	120	157	20	10	3370	1425	1945	0.42	2.72	-	79	BN	DO.CO	BN.BK	RD	-	7	5	-	-
3433	115	157	24	14	725	280	445	0.39	3.04	-	79	-	-	-	-	-	7	-	-	-
3434	133	-	-	-	1803	850	953	0.47	2.47	1.60	80	BN	DO.CO	BN.BK	RD	-	7	-	5	-
3435	115	154	25	12	3125	1140	1985	0.36	2.95	1.67	79	BN	DO.CO	BN.BK	RD	-	7	-	7	-
3436	133	-	-	-	1480	710	770	0.48	2.94	1.30	80	BN	DO.CO	BN.BK	RD	-	7	-	7	-
3437	115	154	23	12	2400	1060	1340	0.44	2.88	1.57	79	BN	DO.CO	BN.BK	RD	-	7	-	5	-
3438	126	-	-	-	838	373	465	0.45	2.66	1.30	80	BN	DO.CO	BN.BK	RD	-	7	-	5	-
3439	120	154	25	14	3025	1515	1510	0.5	3.23	1.57	79	BN	DO.CO	BN.BK	RD	-	7	5	-	-
3440	133	-	-	-	1695	805	890	0.47	2.71	1.57	80	BN	DO.CO	BN.BK	RD	-	7	7	-	-
3441	133	-	-	-	1288	555	733	0.43	2.74	1.50	80	BN	DO.CO	BN.BK	RD	-	5	-	-	-
3442	126	-	-	-	1805	770	1035	0.43	3.07	1.47	80	BN	DO.CO	BN.BK	RD	-	7	-	-	-
3443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-
3444	110	144	23	12	2880	1230	1650	0.43	3.05	1.46	82	BN	DO.CO	BK	RD	-	-	-	-	-
3445	133	-	-	-	1488	725	763	0.49	3.28	1.47	80	BN	DO.CO	BN.BK	RD	-	7	-	3	-
3446	115	154	21	12	1920	785	1135	0.41	3.31	1.37	79	BN	DO.CO	BN.BK	RD	-	7	-	3	-
3447	120	154	19	14	2075	850	1225	0.41	3.15	1.63	79	BN	DO.CO	BN.BK	RD	-	5	-	5	-
3448	115	154	25	11	1350	505	845	0.37	3.16	1.43	79	BN	DO.CO	BN.BK	RD	-	3	-	7	-
3449	133	-	-	-	1468	638	830	0.43	2.74	1.43	80	BN	DO.MA.CO	BN.BK	RD	-	7	-	5	-
3450	115	154	22	12	1470	495	975	0.34	3.21	1.23	79	BN	DO.MA.CO	BN.BK	RD	-	7	-	5	-
3451	133	-	-	-	2075	813	1262	0.39	2.87	1.33	80	BN	DO	BK	RD	-	7	-	5	-
3452	115	154	22	10	915	335	580	0.37	2.88	1.57	79	BN	DO	BK	RD	-	7	-	3	-
3453	133	-	-	-	2478	1130	1348	0.46	3.08	1.57	80	BN	DO	BK	RD	-	7	-	-	-
3454	115	154	24	12	1345	455	890	0.34	3.47	1.33	79	BN	DO	BK	RD	-	7	-	-	-
3455	115	154	21	14	1320	530	790	0.40	2.96	1.70	79	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3456	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
3457	120	154	22	13	1575	615	960	0.39	2.76	1.70	79	BN	DO	BK	RD	-	7	5	-	-
3458	115	154	28	14	3280	1640	1640	0.5	3.12	1.57	79	BN	DO	BK	RD	-	7	5	-	-
3459	124	-	-	-	2440	1058	1382	0.43	3.10	1.40	80	BN	DO.CO	BK	RD	-	7	-	-	-
3460	124	-	-	-	2473	1135	1338	0.46	2.70	1.80	80	BN	DO.CO	BK	RD	-	7	-	5	-
3461	115	154	30	13	3315	1505	1810	0.45	2.45	1.87	79	BN	DO.CO	BK	RD	-	7	5	-	-
3462	115	154	28	14	3090	1400	1690	0.45	3.51	1.50	79	BN	DO	BK	RD	-	5	5	-	-
3463	126	-	-	-	2398	1070	1328	0.45	3.15	1.21	80	BN	DO.CO	BK	RD	-	7	-	7	-
3464	115	154	27	14	4050	1850	2200	0.46	3.24	1.47	79	BN	DO	BK	RD	-	7	5	-	-
3465	126	-	-	-	2175	885	1290	0.41	3.05	1.37	80	BN	DO	BK	RD	-	7	5	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
3466	133	-	-	-	1395	595	800	0.43	2.68	1.10	80	BN	DO	BK	RD	-	7	-	3	-
3467	133	-	-	-	1385	540	845	0.39	2.77	1.70	80	BN	DO	BK	RD	-	5	-	5	-
3468	133	-	-	-	1348	633	715	0.47	2.97	1.63	80	BN	DO	BK	RD	-	7	5	-	-
3469	133	-	-	-	1993	738	1255	0.37	2.89	1.23	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3470	133	-	-	-	1503	693	810	0.46	2.97	1.24	80	BN	DO,CO	BK	RD	-	7	-	3	-
3471	126	-	-	-	1610	725	885	0.45	3.03	1.60	80	BN	DO	BK	RD	-	7	-	5	-
3472	124	-	-	-	2000	855	1145	0.43	3.32	1.67	80	BN	DO	BK	RD	-	5	9	-	-
3473	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3474	126	-	-	-	1948	810	1138	0.42	3.18	1.60	80	BN	DO	BK	RD	-	5	-	5	-
3475	126	-	-	-	1935	793	1142	0.41	3.03	1.40	80	BN	DO,CO	BK	RD	-	5	-	-	-
3476	115	154	24	12	2185	850	1335	0.39	3.18	1.37	79	BN	DO	BK	RD	-	5	-	7	-
3477	115	154	24	12	1725	820	905	0.48	3.00	1.43	79	BN	DO,CO	BK	RD	-	5	-	7	-
3478	115	154	30	13	4620	2290	2330	0.5	3.31	1.47	79	BN	DO	BK	RD	-	7	5	-	-
3479	115	154	31	11	2000	1095	905	0.55	3.50	1.47	79	BN	DO	BK	RD	-	7	5	-	-
3480	115	154	25	12	2900	1305	1595	0.45	2.98	1.46	79	BN	DO	BK	RD	-	7	5	-	-
3481	115	154	25	9	2695	1325	1370	0.49	2.91	1.70	79	BN	DO,CO	BK	RD	-	5	9	-	-
3482	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3483	133	-	-	-	2003	785	1218	0.39	2.17	1.72	80	BK	AB,MA	AB,OL	RD	-	5	-	7	-
3484	133	-	-	-	1253	460	793	0.37	2.30	1.37	80	BN	DO	OL,GY	RD	-	7	-	7	-
3485	133	-	-	-	1898	693	1205	0.37	2.27	1.67	80	BN	DO	OL,GY	RD	-	7	-	5	-
3486	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
3487	133	-	-	-	365	150	215	0.41	2.28	1.53	8	-	-	-	-	-	7	-	7	-
3488	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3489	133	-	-	-	1923	645	1278	0.34	2.20	1.67	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3490	133	-	-	-	1918	685	1233	0.36	2.27	1.73	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3491	110	144	18	8	1680	517	1163	0.31	1.81	1.75	82	BN	DO	BK	RD	-	7	-	-	-
3492	133	-	-	-	1763	775	988	0.44	2.17	1.63	80	BN	DO,MA	GY,BK	RD	-	7	-	7	-
3493	133	-	-	-	1770	800	970	0.45	2.12	1.77	8	-	-	-	-	-	7	-	-	-
3494	133	-	-	-	2895	1030	1865	0.36	2.14	1.80	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3495	133	-	-	-	750	320	430	0.43	1.97	1.50	80	BN	DO	BK	RD	-	7	-	7	-
3496	133	-	-	-	565	260	305	0.46	2.11	1.63	80	BN	DO,MA	OL	RD	-	7	-	5	-
3497	136	-	-	-	960	420	540	0.44	2.52	1.40	80	PI,BN	AB	AB	RD	-	5	-	7	-
3498	126	-	-	-	960	380	580	0.40	1.86	1.63	8	-	-	-	-	-	7	-	-	-
3499	133	-	-	-	820	380	440	0.46	2.22	1.65	80	BN	DO	GY	RD	-	7	-	5	-
3500	146	-	-	-	2538	675	1863	0.27	3.25	1.70	80	GN,PI	AB,SP	AB,OL	YE	-	5	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
3501	113	148	18	8	-	1580	-	-	3.75	1.80	82	GN.PI	AB	AB	YE	-	7	-	-	-
3502	136	-	-	-	2820	470	2350	0.17	2.28	1.86	80	BN	AB.SP	AB.BK	RD	-	7	-	-	-
3503	133	-	-	-	2180	918	1262	0.42	2.22	1.43	80	BN	DO.MA	GY.BK	RD	-	7	-	7	-
3504	133	-	-	-	3448	1310	2138	0.38	2.01	1.70	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3505	133	-	-	-	4048	1650	2398	0.41	2.06	1.00	80	BN	DO.MA	GY.BK	RD	-	7	-	9	-
3506	133	-	-	-	2668	1150	1518	0.43	2.17	1.73	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3507	133	-	-	-	4470	1545	2925	0.35	1.76	1.87	80	PI	AB.SP	AB.OL	RD	-	5	-	9	-
3508	133	-	-	-	4058	1425	2633	0.35	2.24	1.62	80	BN	DO.MA	GY.BK	RD	-	7	-	7	-
3509	126	-	-	-	3230	1050	2180	0.33	2.20	1.52	80	BK	AB	AB	RD	-	5	-	-	-
3510	133	-	-	-	3483	1125	2358	0.32	2.48	1.40	80	BN	DO.MA	GY.BK	RD	-	3	-	3	-
3511	133	-	-	-	4095	1500	2595	0.37	2.26	1.70	80	BN	DO.MA	GY.BK	RD	-	5	-	7	-
3512	133	-	-	-	3755	1400	2355	0.37	2.35	1.74	80	BN	DO.MA	GY.BK	RD	-	7	-	7	-
3513	133	-	-	-	3768	1450	2318	0.38	2.26	1.60	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3514	133	-	-	-	3223	1325	1898	0.41	2.29	1.67	80	BN	DO.MA	GY.BK	RD	-	7	-	-	-
3515	133	-	-	-	2935	1198	1737	0.41	2.53	1.76	80	BN	DO.MA	GY.BK	RD	-	5	-	-	-
3516	133	-	-	-	5228	2270	2958	0.43	2.26	1.67	80	BN	DO.MA	GY.BK	RD	-	5	-	7	-
3517	133	-	-	-	5290	2050	3240	0.39	2.18	1.73	80	BN	DO.MA	GY.BK	RD	-	5	-	7	-
3518	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
3519	133	-	-	-	3460	1440	2020	0.42	1.94	1.60	80	BN	DO.MA	GY.BK	RD	-	7	-	-	-
3520	133	-	-	-	5060	2200	2860	0.43	2.49	1.53	80	BN	DO.MA	GY.BK	RD	-	7	-	-	-
3521	133	-	-	-	2360	1000	1360	0.42	2.59	1.67	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3522	133	-	-	-	2960	1200	1760	0.41	2.52	1.80	80	BN	DO.MA	GY.BK	RD	-	7	-	7	-
3523	133	-	-	-	1955	840	1115	0.43	2.46	1.63	80	BN	DO.MA	GY.BK	RD	-	7	-	9	-
3524	133	-	-	-	2290	1000	1290	0.44	2.28	1.67	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3525	133	-	-	-	2010	800	1210	0.40	2.46	1.63	80	BN	DO.MA	GY.BK	RD	-	7	-	-	-
3526	133	-	-	-	3840	1300	2540	0.34	2.29	1.50	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3527	133	-	-	-	1833	598	1235	0.33	2.51	1.80	80	BN	DO.MA	GY.BK	RD	-	7	-	-	-
3528	133	-	-	-	1640	680	960	0.41	2.45	1.23	80	BN	DO.MA	GY.BK	RD	-	5	-	-	-
3529	133	-	-	-	1445	550	895	0.38	2.30	1.62	80	BN	DO.MA	GY.BK	RD	-	7	-	7	-
3530	133	-	-	-	470	220	250	0.47	2.85	1.50	80	BN	DO.CO	GY	RD	-	7	-	-	-
3531	133	-	-	-	1335	600	735	0.45	2.23	1.63	80	BN	DO.MA	GY.BK	RD	-	7	-	-	-
3532	113	148	18	7	1813	680	1133	0.38	2.16	1.73	82	BN	DO	BK	RD	-	7	-	-	-
3533	133	-	-	-	1583	665	918	0.42	2.51	1.73	80	BN	DO.MA	GY.BK	RD	-	7	-	7	-
3534	133	-	-	-	650	240	410	0.37	2.45	1.87	80	GY	AB.DO	AB.OL	RD	-	7	-	-	-
3535	133	-	-	-	1978	833	1145	0.42	2.30	1.63	80	BN	DO.MA	GY.BK	RD	-	7	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SH	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
3536	133	-	-	-	410	160	250	0.39	2.51	1.60	8	-	-	-	-	-	7	-	5	-
3537	133	-	-	-	1000	280	720	0.28	2.34	1.47	8	-	-	-	-	-	7	-	-	-
3538	133	-	-	-	240	80	160	0.33	2.33	1.63	8	-	-	-	-	-	7	-	-	-
3539	133	-	-	-	635	230	405	0.36	2.25	1.73	8	-	-	-	-	-	7	-	-	-
3540	133	-	-	-	480	200	280	0.42	2.35	1.37	80	PI	DO	GY	RD	-	7	-	-	-
3541	133	-	-	-	1130	520	610	0.46	2.32	-	80	BN	DO,MA	GY,BK	RD	-	7	-	7	-
3542	133	-	-	-	1270	360	910	0.28	2.33	1.70	80	BN	DO,CO	GY	RD	-	7	-	7	-
3543	133	-	-	-	195	70	125	0.36	2.22	1.47	8	-	-	-	-	-	7	-	-	-
3544	133	-	-	-	320	70	250	0.22	2.27	-	8	-	-	-	-	-	7	-	-	-
3545	133	-	-	-	125	50	75	0.40	2.25	1.80	8	-	-	-	-	-	7	-	-	-
3546	113	151	20	8	1913	847	1066	0.44	2.44	-	82	BN	DO	BK	RD	-	7	-	7	-
3547	113	151	21	8	2080	1447	633	0.7	4.65	1.73	82	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3548	113	157	22	11	2747	1133	1614	0.41	2.55	1.60	82	BN	DO	BK	RD	-	7	-	-	-
3549	113	148	20	8	1513	603	910	0.40	2.08	1.68	82	BN	DO	BK	RD	-	7	-	-	-
3550	113	148	20	8	2313	777	1536	0.34	2.46	1.71	82	BN	DO	BK	RD	-	7	-	-	-
3551	113	149	20	8	2013	803	1210	0.40	2.13	1.83	82	BN	DO	BK	RD	-	7	-	-	-
3552	110	155	26	9	3213	1263	1950	0.39	2.58	1.63	82	BN	DO	GY	RD	-	7	-	-	-
3553	113	148	25	10	2680	1177	1503	0.44	2.26	-	82	BN	DO	GY	RD	-	7	-	5	-
3554	113	144	25	10	3213	1280	1933	0.40	2.55	1.73	82	BN	DO	GY	RD	-	7	-	-	-
3555	113	144	24	9	2980	1220	1760	0.41	2.78	1.86	82	BN	DO	GY	RD	-	7	-	-	-
3556	133	-	-	-	875	250	625	0.29	3.17	1.50	8	-	-	-	-	-	7	-	-	-
3557	133	-	-	-	1223	300	923	0.25	3.36	1.57	80	BN	DO,MA	OL,BK	RD	-	7	-	9	-
3558	133	-	-	-	2705	1000	1705	0.37	2.25	1.80	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3559	133	-	-	-	2428	805	1623	0.33	3.16	1.60	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3560	133	-	-	-	1713	493	1220	0.29	2.95	1.69	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3561	133	-	-	-	1045	235	810	0.22	3.21	1.73	80	BN	DO,MA	GY,BK	RD	-	7	-	3	-
3562	133	-	-	-	1353	265	1088	0.20	3.16	1.13	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3563	133	-	-	-	1610	350	1260	0.22	2.33	1.46	80	BN	CO	BN,BK	RD	-	7	-	7	-
3564	133	-	-	-	815	300	515	0.37	2.43	1.73	80	GY	DO	OL	RD	-	7	-	5	-
3565	124	-	-	-	1163	270	893	0.23	2.41	1.47	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3566	133	-	-	-	1560	610	950	0.39	2.25	1.80	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3567	133	-	-	-	1540	590	950	0.38	2.21	1.40	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3568	133	-	-	-	1875	670	1205	0.36	2.34	1.87	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3569	133	-	-	-	1765	600	1165	0.34	2.28	1.61	80	BN	DO	GY	RD	-	7	-	7	-
3570	133	-	-	-	1380	530	850	0.38	2.32	1.15	80	BN	DO,MA	GY,BK	RD	-	7	-	3	-

ILL	TiF1	TiMa	Hgt	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	Proz	CS	0579	0580	0581
3571	133	-	-	-	1993	670	1323	0.34	1.91	1.90	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3572	133	-	-	-	1885	600	1285	0.32	2.07	1.60	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3573	133	-	-	-	1230	405	825	0.33	1.98	1.70	80	BN	DO.MA	GY.BK	RD	-	7	-	7	-
3574	115	159	20	9	647	183	464	0.28	2.11	1.76	82	GY	DO	OL	RD	-	7	-	-	-
3575	133	-	-	-	1060	365	695	0.34	1.66	1.63	80	BN	DO.MA	GY.BK	RD	-	7	-	-	-
3576	133	-	-	-	968	345	623	0.36	1.88	1.70	80	BN	DO.MA	GY.BK	RD	-	7	-	3	-
3577	133	-	-	-	1445	505	940	0.35	1.92	1.87	80	BN	DO.MA	GY.BK	RD	-	7	-	3	-
3578	133	-	-	-	2158	750	1408	0.35	2.07	1.73	80	BN	DO.MA	GY.BK	RD	-	7	-	9	-
3579	133	-	-	-	2763	1025	1738	0.37	2.28	1.77	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3580	133	-	-	-	2120	750	1370	0.35	2.16	1.53	80	BN	DO.MA	GY.BK	RD	-	5	-	-	-
3581	133	-	-	-	2628	925	1703	0.35	2.15	1.70	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3582	133	-	-	-	1843	650	1193	0.35	2.26	1.43	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3583	133	-	-	-	1735	613	1122	0.35	2.26	1.70	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3584	133	-	-	-	2108	695	1413	0.33	2.41	1.60	80	BN	DO.MA	GY.BK	RD	-	7	-	-	-
3585	133	-	-	-	1805	665	1140	0.37	2.26	1.50	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3586	133	-	-	-	1848	660	1188	0.36	2.29	1.73	80	BN	DO.MA	GY.BK	RD	-	7	-	3	-
3587	133	-	-	-	1693	615	1078	0.36	2.30	1.63	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3588	133	-	-	-	1955	653	1302	0.33	2.36	1.70	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3589	133	-	-	-	2510	925	1585	0.37	2.38	1.73	80	BN	DO.MA	GY.BK	RD	-	7	-	7	-
3590	133	-	-	-	2823	1085	1738	0.38	2.22	1.70	80	BN	DO.MA	GY.BK	RD	-	7	-	7	-
3591	133	-	-	-	2855	1115	1740	0.39	2.44	1.80	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3592	133	-	-	-	2565	775	1790	0.30	2.31	1.53	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3593	133	-	-	-	2440	515	1925	0.21	2.46	1.37	80	BN	DO.MA	OL.BK	RD	-	7	-	5	-
3594	133	-	-	-	3610	1018	2592	0.28	2.30	1.73	80	BN	DO.MA	GY.BK	RD	-	7	-	3	-
3595	133	-	-	-	4378	1300	3078	0.30	2.17	1.67	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3596	133	-	-	-	4238	1250	2988	0.29	2.16	1.60	80	BN	DO.MA	GY.BK	RD	-	7	-	3	-
3597	133	-	-	-	4453	1620	2833	0.36	2.21	1.53	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3598	133	-	-	-	4643	960	3683	0.21	2.34	1.90	80	BN	DO.MA	GY.BK	RD	-	7	-	5	-
3599	133	-	-	-	5005	1265	3740	0.25	2.31	1.73	80	BN	DO.MA	GY.BK	RD	-	7	-	7	-
3600	133	-	-	-	4168	1390	2778	0.33	2.18	1.60	80	BN	DO.MA	GY.BK	RD	-	7	-	-	-
3601	133	-	-	-	4430	1710	2720	0.39	2.18	1.67	80	BN	DO.MA	GY.BK	RD	-	7	-	3	-
3602	133	-	-	-	5498	2075	3423	0.38	2.43	1.63	80	BN	DO.MA	OL.BK	RD	-	7	-	5	-
3603	133	-	-	-	4790	1120	3670	0.23	2.24	1.57	80	BN	DO.MA	OL.BK	RD	-	7	-	5	-
3604	133	-	-	-	4083	1595	2488	0.39	2.32	1.47	80	BN	DO.MA	OL.BK	RD	-	7	-	7	-
3605	133	-	-	-	3630	1183	2447	0.33	2.34	1.33	80	BN	DO.MA	OL.BK	RD	-	7	-	-	-

ILL	TiF1	TiMa	Hst	LPH	Hst	BiYd	SdYd	StYd	HI	100SH	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	ColCol	ProZ	CS	OS79	OS80	OS81
3606	133	-	-	-	3255	1250	2005	2005	0.38	2.39	1.60	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3607	133	-	-	-	5110	1545	3565	3565	0.30	2.18	1.63	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3608	133	-	-	-	4263	1388	2875	2875	0.33	2.24	1.80	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3609	133	-	-	-	2610	615	1995	1995	0.24	2.09	1.62	80	BN	DO,MA	OL,BK	RD	-	7	-	7	-
3610	133	-	-	-	2218	488	1730	1730	0.22	2.14	1.70	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3611	133	-	-	-	2520	683	1837	1837	0.27	2.14	1.67	80	BN	DO,MA	OL,BK	RD	-	7	-	3	-
3612	133	-	-	-	4408	1485	2923	2923	0.34	2.56	1.83	80	BN	DO,MA	OL,BK	RD	-	7	-	7	-
3613	133	-	-	-	3833	1598	2235	2235	0.42	2.01	1.77	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3614	133	-	-	-	5210	1823	3387	3387	0.35	2.20	1.66	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3615	133	-	-	-	3403	980	2423	2423	0.29	2.18	1.83	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3616	133	-	-	-	2868	860	2008	2008	0.30	2.23	1.69	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3617	133	-	-	-	2803	950	1853	1853	0.34	2.34	1.66	80	BN	DO,MA	GY,BK	RD	-	7	-	9	-
3618	133	-	-	-	2183	848	1335	1335	0.39	2.44	1.73	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3619	133	-	-	-	1940	715	1225	1225	0.37	2.27	1.67	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3620	133	-	-	-	2360	788	1572	1572	0.33	2.06	1.68	80	BN	DO,MA	GY,BK	RD	-	7	-	7	-
3621	133	-	-	-	1440	440	1000	1000	0.31	1.90	1.67	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3622	133	-	-	-	2180	760	1420	1420	0.35	2.02	1.73	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3623	133	-	-	-	1750	600	1150	1150	0.34	2.40	1.77	80	BN	DO,MA	OL,BK	RD	-	7	-	7	-
3624	133	-	-	-	1400	475	925	925	0.34	1.99	1.70	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3625	133	-	-	-	2073	745	1328	1328	0.36	1.99	1.70	80	BN	DO,MA	OL,BK	RD	-	7	-	7	-
3626	133	-	-	-	1593	550	1043	1043	0.35	2.14	1.60	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3627	133	-	-	-	1693	745	948	948	0.44	2.25	1.70	80	BN	DO,MA	OL,BK	RD	-	7	-	7	-
3628	133	-	-	-	2185	590	1595	1595	0.27	2.01	1.93	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3629	133	-	-	-	1558	530	1028	1028	0.34	1.47	1.33	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3630	133	-	-	-	1540	475	1065	1065	0.31	1.61	1.67	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3631	133	-	-	-	1853	600	1253	1253	0.32	1.91	1.63	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3632	133	-	-	-	1725	505	1220	1220	0.29	2.00	1.68	80	BN	DO,MA	GY	RD	-	7	-	-	-
3633	133	-	-	-	1375	525	850	850	0.38	2.47	1.86	80	BN	DO,MA	OL,BK	RD	-	7	-	9	-
3634	133	-	-	-	2113	810	1303	1303	0.38	2.12	1.47	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3635	133	-	-	-	1703	700	1003	1003	0.41	2.38	1.33	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3636	133	-	-	-	1393	505	888	888	0.36	2.40	1.73	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3637	133	-	-	-	1200	480	720	720	0.40	2.36	1.30	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3638	133	-	-	-	2000	580	1420	1420	0.29	2.33	1.48	80	BN	DO,MA	GY,BK	RD	-	7	-	9	-
3639	110	148	24	11	2480	797	1683	1683	0.32	2.22	1.76	82	BN	DO,MA	BK	RD	-	7	-	-	-
3640	133	-	-	-	1030	270	760	760	0.26	2.13	1.50	8	-	-	-	-	-	7	-	5	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
3641	133	-	-	-	1640	593	1047	0.36	2.34	1.57	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3642	133	-	-	-	1990	665	1325	0.33	2.21	1.70	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3643	133	-	-	-	2170	800	1370	0.37	2.32	1.77	80	BN	DO,MA	OL,BK	RD	-	7	-	9	-
3644	133	-	-	-	2790	990	1800	0.35	2.06	1.86	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3645	122	160	22	12	3710	2913	797	0.79	3.00	1.92	82	BN	AB	AB	RD	-	7	-	-	-
3646	133	-	-	-	2338	858	1480	0.37	2.12	1.70	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3647	133	-	-	-	1893	663	1230	0.35	2.24	1.50	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3648	133	-	-	-	2270	738	1532	0.33	2.51	1.57	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3649	133	-	-	-	1905	640	1265	0.34	2.54	1.50	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3650	133	-	-	-	1925	720	1205	0.37	2.13	1.17	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3651	133	-	-	-	1325	510	815	0.38	2.34	1.67	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3652	133	-	-	-	2003	830	1173	0.41	2.25	1.76	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3653	122	168	27	17	4080	1463	2617	0.36	4.41	1.67	82	GN,PI	AB	AB	YE	-	5	-	-	-
3654	126	-	-	-	1230	315	915	0.26	2.68	1.50	80	GY	DO,MA	OL	RD	-	7	-	-	-
3655	124	-	-	-	1040	320	720	0.31	3.80	1.73	80	GY	DO,MA	OL	RD	-	7	-	-	-
3656	124	-	-	-	1000	380	620	0.38	2.93	1.41	80	GY	DO,MA	OL	RD	-	7	-	-	-
3657	133	-	-	-	400	140	260	0.35	2.25	1.72	80	BN	DO	BK	RD	-	7	-	-	-
3658	124	-	-	-	1000	220	780	0.22	2.58	1.47	80	BN	DO	GY	RD	-	7	-	3	-
3659	133	-	-	-	1223	420	803	0.34	2.24	1.83	80	BN	DO,MA	GY,BK	RD	-	7	-	7	-
3660	126	-	-	-	720	130	590	0.18	3.40	1.37	8	-	-	-	-	-	7	-	-	-
3661	124	-	-	-	1235	213	1022	0.17	3.74	1.77	8	-	-	-	-	-	7	-	-	-
3662	124	-	-	-	1138	865	273	0.76	2.49	1.40	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3663	124	-	-	-	1268	495	773	0.39	2.30	1.23	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3664	133	-	-	-	838	148	690	0.18	3.70	1.33	80	GY	DO	OL	RD	-	7	-	-	-
3665	126	-	-	-	1755	630	1125	0.36	3.26	1.53	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3666	133	-	-	-	1390	520	870	0.37	2.33	1.43	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3667	133	-	-	-	1470	505	965	0.34	2.22	1.42	80	BN	DO,MA	OL,BK	RD	-	7	-	7	-
3668	124	-	-	-	840	190	650	0.23	3.32	1.33	8	-	-	-	-	-	7	-	-	-
3669	133	-	-	-	1675	688	987	0.41	2.13	1.67	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3670	133	-	-	-	1730	640	1090	0.37	2.43	1.83	80	BN	DO,MA	GY,BK	RD	-	7	-	7	-
3671	133	-	-	-	2260	910	1350	0.40	2.26	1.87	80	BN	DO,MA	OL,BK	RD	-	7	-	7	-
3672	133	-	-	-	2100	740	1360	0.35	2.32	1.67	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3673	115	163	24	13	2846	1203	1643	0.42	2.64	1.96	82	BN	DO,MA	GY	RD	-	7	-	-	-
3674	133	-	-	-	2203	880	1323	0.40	2.34	1.83	80	BN	DO,MA	OL,BK	RD	-	7	-	7	-
3675	133	-	-	-	1615	605	1010	0.37	2.46	1.40	80	BN	DO,MA	GY,BK	RD	-	7	-	7	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
3676	133	-	-	-	1890	690	1200	0.37	2.18	1.53	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3677	133	-	-	-	1475	555	920	0.38	2.10	1.73	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3678	133	-	-	-	1358	535	823	0.39	2.32	1.50	80	BN	DO,MA	BK	RD	-	7	-	3	-
3679	133	-	-	-	1755	650	1105	0.37	2.33	1.67	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3680	133	-	-	-	2098	605	1493	0.29	1.97	1.40	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3681	113	149	17	8	2147	710	1437	0.33	2.11	1.66	82	BN	DO	GY	RD	-	7	-	-	-
3682	133	-	-	-	1750	590	1160	0.34	2.24	1.53	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3683	133	-	-	-	2185	820	1345	0.38	2.29	1.67	80	BN	DO,MA	GY,BK	RD	-	7	-	9	-
3684	133	-	-	-	3573	1185	2388	0.33	2.18	1.73	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3685	133	-	-	-	3608	1010	2598	0.28	2.08	1.69	80	BN	DO,MA	OL,BK	RD	-	3	-	5	-
3686	133	-	-	-	4585	690	3895	0.15	2.38	1.50	80	BN	DO,MA	OL,BN	RD	-	7	-	5	-
3687	133	-	-	-	4383	1690	2693	0.39	2.14	1.53	80	BN	DO	OL,GY	RD	-	7	-	-	-
3688	133	-	-	-	3928	1520	2408	0.39	2.56	1.47	80	BN	DO	OL,GY	RD	-	5	-	7	-
3689	133	-	-	-	4023	1475	2548	0.37	2.25	1.40	80	BN	DO	OL	RD	-	5	-	7	-
3690	133	-	-	-	3458	1250	2208	0.36	2.40	1.79	80	BN	DO,MA	OL,BK	RD	-	7	-	7	-
3691	133	-	-	-	3730	1250	2480	0.34	2.27	1.60	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3692	133	-	-	-	4383	1645	2738	0.38	2.17	1.57	80	BN	DO,MA	GY,BK	RD	-	7	-	7	-
3693	133	-	-	-	4388	1780	2608	0.41	2.57	1.47	80	BN	DO,MA	BK	RD	-	7	-	5	-
3694	133	-	-	-	4088	1533	2555	0.38	2.44	1.67	80	BN	DO,MA	BK	RD	-	7	-	7	-
3695	133	-	-	-	4708	1950	2758	0.41	2.34	1.73	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3696	133	-	-	-	3563	1375	2188	0.39	2.42	1.67	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3697	133	-	-	-	3825	1490	2335	0.39	2.17	1.60	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3698	133	-	-	-	3838	1415	2423	0.37	2.25	1.60	80	BN	DO,MA	GY,BK	PD	-	7	-	5	-
3699	133	-	-	-	2390	1445	945	0.6	2.32	1.53	80	BN	DO,MA	OL,BK	RD	-	7	-	9	-
3700	133	-	-	-	3693	1435	2258	0.39	2.21	1.70	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3701	133	-	-	-	3458	1138	2320	0.33	2.11	1.67	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3702	133	-	-	-	2955	733	2222	0.25	1.99	1.70	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3703	133	-	-	-	3778	1313	2465	0.35	2.18	1.77	8	-	-	-	-	-	7	-	7	-
3704	133	-	-	-	4300	1605	2695	0.37	2.31	1.47	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3705	133	-	-	-	4200	1620	2580	0.39	2.26	1.67	80	BN	DO,MA	GY,BK	RD	-	5	-	5	-
3706	133	-	-	-	3308	1260	2048	0.38	2.29	1.57	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3707	133	-	-	-	3105	1088	2017	0.35	2.28	1.77	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3708	146	-	-	-	3675	1010	2665	0.27	2.02	1.63	80	BN	AB,DO	AB,BN	RD	-	7	-	-	-
3709	133	-	-	-	3303	1075	2228	0.33	2.16	1.70	80	BN	DO	OL,GY	RD	-	7	-	5	-
3710	133	-	-	-	2090	668	1422	0.32	2.31	1.67	80	BN	DO	GY,BK	RD	-	7	-	-	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
3711	133	-	-	-	2175	475	1700	0.22	2.02	1.57	80	BN	DO	GY,BK	RD	-	7	-	-	-
3712	133	-	-	-	2628	330	2298	0.13	2.21	1.68	80	BN	DO	GY,BK	RD	-	7	-	7	-
3713	133	-	-	-	3355	1105	2250	0.33	2.21	1.50	80	BN	DO	GY,BK	RD	-	7	-	5	-
3714	133	-	-	-	3488	1125	2363	0.32	2.30	1.67	80	BN	DO	GY,BK	RD	-	7	-	7	-
3715	133	-	-	-	3300	1025	2275	0.31	2.25	1.73	80	BN	DO	GY,BK	RD	-	5	-	-	-
3716	133	-	-	-	2650	813	1837	0.31	2.09	1.17	80	BN	DO	GY,BK	RD	-	7	-	5	-
3717	133	-	-	-	2450	973	1477	0.40	2.57	1.43	80	BN	AB,DO	AB,GY,BK	RD	-	7	-	7	-
3718	133	-	-	-	1848	693	1155	0.38	2.40	1.67	80	BN	DO,MA	GY,BK	RD	-	7	-	9	-
3719	133	-	-	-	2595	1030	1565	0.40	2.36	1.47	80	BN	DO	GY,BK	RD	-	7	-	5	-
3720	133	-	-	-	2608	1318	1290	0.51	2.21	1.53	80	BN	DO	GY,BK	RD	-	7	-	7	-
3721	133	-	-	-	2535	990	1545	0.39	2.28	1.90	80	BN	DO,MA	GY,BK	RD	-	7	-	7	-
3722	133	-	-	-	2318	720	1598	0.31	2.24	1.40	80	BN	DO,MA	OL,BK	RD	-	7	-	9	-
3723	133	-	-	-	1780	543	1237	0.31	2.16	1.67	80	BN	DO,MA	GY,BK	RD	-	7	-	7	-
3724	133	-	-	-	1498	470	1028	0.31	2.01	1.56	80	BN	DO,MA	GY,BK	RD	-	7	-	7	-
3725	124	-	-	-	515	125	390	0.24	3.63	1.83	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3726	133	-	-	-	1328	443	885	0.33	2.39	1.53	80	BN	DO,MA	BK	RD	-	7	-	5	-
3727	133	-	-	-	1873	710	1163	0.38	2.40	1.63	80	BN	DO,MA	OL,BK	RD	-	7	-	5	-
3728	113	148	17	7	1613	683	930	0.42	2.05	1.66	82	BN	DO,MA	BK	RD	-	7	-	-	-
3729	133	-	-	-	2155	743	1412	0.34	2.26	1.61	80	BN	DO,MA	BK	RD	-	7	-	-	-
3730	133	-	-	-	2100	805	1295	0.38	2.37	1.43	80	BN	AB,SP,MA	AB,OL,BK	RD	-	7	-	-	-
3731	133	-	-	-	2053	800	1253	0.39	2.31	1.37	80	BN	DO,MA	GY,BK	RD	-	7	-	5	-
3732	113	144	22	11	2480	1017	1463	0.41	2.11	1.82	82	BN	DO,MA	BK	RD	-	7	-	-	-
3733	133	-	-	-	1403	460	943	0.33	2.34	1.53	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3734	133	-	-	-	1573	638	935	0.41	2.10	1.57	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3735	133	-	-	-	1305	458	847	0.35	2.07	1.20	80	BN	DO,MA	GY,BK	RD	-	7	-	7	-
3736	133	-	-	-	1103	395	708	0.36	2.28	1.63	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3737	133	-	-	-	1443	405	1038	0.28	2.42	1.83	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3738	133	-	-	-	1295	350	945	0.27	2.41	1.67	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3739	133	-	-	-	2333	645	1688	0.28	2.49	1.70	80	BN	DO	GY,BK	RD	-	7	-	-	-
3740	133	-	-	-	1730	615	1115	0.36	2.19	1.37	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3741	133	-	-	-	2235	775	1460	0.35	2.30	1.57	80	BN	AB,MA	AB,OL	RD	-	7	-	-	-
3742	133	-	-	-	2480	965	1515	0.39	2.13	1.60	80	BN	DO,MA	BK	RD	-	7	-	-	-
3743	115	149	16	8	2047	700	1347	0.34	2.17	1.70	82	BN	DO	GY	RD	-	7	-	-	-
3744	133	-	-	-	-	790	-	-	2.15	1.45	80	BN	DO,MA	BK	RD	-	7	-	-	-
3745	115	149	25	11	2813	1043	1770	0.37	2.31	1.62	82	BN	AB,MA	AB,BK	RD	-	7	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	Proz	CS	OS79	OS80	OS81
3746	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
3747	113	149	22	13	2580	1050	1530	0.41	1.83	-	82	BN	DO.MA	BK	RD	-	7	-	-	-
3748	126	-	-	-	1788	713	1075	0.40	2.08	1.80	80	BN	DO.MA	GY.BK	RD	-	7	-	-	-
3749	133	-	-	-	2348	920	1428	0.39	2.35	1.43	80	BN	DO.MA	BK	RD	-	7	-	-	-
3750	133	-	-	-	1250	500	750	0.40	1.99	1.70	80	BN	DO.MA	BN.BK	RD	-	7	-	-	-
3751	113	148	22	11	2047	954	1093	0.47	2.09	1.83	82	GY	DO.MA	BK	RD	-	7	-	-	-
3752	133	-	-	-	1968	698	1270	0.35	2.11	1.59	80	BN	DO.MA	OL.BK	RD	-	7	-	-	-
3753	115	144	22	12	2613	1017	1596	0.39	2.23	1.96	82	GY	DO.MA	GY	RD	-	7	-	-	-
3754	115	148	20	13	2813	1193	1620	0.42	1.98	1.70	82	GY	DO.MA	OL	RD	-	7	-	-	-
3755	-	-	-	-	-	-	-	-	-	-	-	BN	DO	BK	RD	-	-	-	-	-
3756	133	-	-	-	5303	1455	3848	0.27	2.28	1.10	80	GN.PI	AB	AB	RD.YE	-	7	-	9	-
3757	133	-	-	-	1233	360	873	0.29	2.36	1.60	80	BN	DO.MA	GY.BK	RD	-	7	-	-	-
3758	113	148	21	13	3147	1057	2090	0.34	2.10	1.92	82	BN	DO	BK	RD	-	7	-	-	-
3759	133	-	-	-	3265	1115	2150	0.34	2.31	1.80	80	BN	DO.MA	GY.BK	RD	-	7	-	7	-
3760	133	-	-	-	1350	515	835	0.38	2.29	1.63	80	BN	DO.MA	OL.BK	RD	-	5	-	-	-
3761	133	-	-	-	1040	350	690	0.34	2.30	1.83	80	BN	DO	OL	RD	-	7	-	9	-
3762	115	149	21	10	3147	1543	1604	0.49	2.29	1.83	82	GY	DO	OL	RD	-	7	-	-	-
3763	133	-	-	-	1318	460	858	0.35	2.15	1.70	80	BN	DO.MA	GY.BK	RD	-	7	-	-	-
3764	113	149	22	13	3913	1647	2266	0.42	2.22	1.75	82	BN	DO.MA	BK	RD	-	7	-	-	-
3765	115	144	22	13	3147	1293	1854	0.41	2.11	-	82	BN	DO	GY	RD	-	7	-	-	-
3766	-	-	-	-	-	-	-	-	-	-	-	BN	DO	BK	RD	-	7	-	-	-
3767	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
3768	-	-	-	-	-	-	-	-	-	-	-	GY	CO	BK	RD	-	-	-	-	-
3769	113	148	22	12	3647	957	2690	0.26	2.27	1.00	82	BN	DO.MA	BK	RD	-	7	-	-	-
3770	113	144	22	11	3047	1310	1737	0.43	2.00	1.89	82	BN	DO.MA	BK	RD	-	7	-	-	-
3771	133	-	-	-	1353	435	918	0.32	2.24	1.57	80	BN	DO.MA	BN.BK	RD	-	7	-	-	-
3772	113	148	23	12	3280	1070	2210	0.33	1.70	1.73	82	BN	DO.MA	OL	RD	-	7	-	-	-
3773	113	149	22	12	3747	1673	2074	0.45	2.20	1.48	82	BN	DO.MA	GY	RD	-	7	-	-	-
3774	113	144	24	11	3713	1477	2236	0.40	2.02	1.74	82	BN	DO.MA	BK	RD	-	7	-	-	-
3775	115	159	17	7	680	253	427	0.37	2.01	1.70	82	GY	DO	OL	RD	-	7	-	-	-
3776	110	144	23	8	1447	409	1038	0.28	1.46	1.60	82	BN	DO	GY	RD	-	7	-	-	-
3777	115	149	23	12	2947	890	2057	0.30	1.91	1.79	82	BN	DO.MA	GY	RD	-	7	-	-	-
3778	115	148	25	12	2913	1183	1730	0.41	2.24	1.76	82	BN	DO	GY	RD	-	7	-	-	-
3779	115	149	25	13	3613	1437	2176	0.40	2.30	1.66	82	BN	DO.CO	GY.BK	RD	-	7	-	-	-
3780	115	149	21	11	2280	700	1580	0.31	1.97	1.80	82	BN	DO.MA	BK	RD	-	7	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
3781	126	-	-	-	1290	360	930	0.28	3.03	1.23	8	-	-	-	-	-	7	-	-	-
3782	113	151	23	10	2813	667	2146	0.24	3.60	1.31	82	GY	AB.MA	AB.OL	RD	-	7	-	-	-
3783	110	151	24	9	2113	740	1373	0.35	3.11	1.43	82	BN	DO.MA	OL.BK	RD	-	7	-	-	-
3784	133	-	-	-	1548	505	1043	0.33	2.41	1.60	80	BN	DO.MA	BN.BK	RD	-	7	-	-	-
3785	119	151	22	9	2447	893	1554	0.36	3.15	1.73	82	GY	DO.MA	OL	RD	-	7	-	-	-
3786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3787	115	151	20	9	2513	1043	1470	0.42	2.27	1.64	82	BN	DO.MA	OL.BK	RD	-	7	-	-	-
3788	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
3789	113	149	20	10	2380	947	1433	0.40	2.36	1.82	82	BN	DO.MA	BK	RD	-	7	-	-	-
3790	110	151	21	8	3247	1157	2090	0.36	2.87	1.60	82	BN	DO.MA	OL	RD	-	5	-	-	-
3791	113	151	20	9	2647	923	1724	0.35	3.31	1.41	82	GY	DO.MA	BK	RD	-	7	-	-	-
3792	110	151	23	11	3980	1526	2454	0.38	3.24	1.72	82	GY	DO.MA	BK	RD	-	7	-	-	-
3793	115	151	23	7	2313	973	1340	0.42	2.36	1.83	82	BN	DO.MA	BK	RD	-	7	-	-	-
3794	115	155	20	9	2680	1120	1560	0.42	2.39	-	82	BN	DO	BK	RD	-	7	-	-	-
3795	133	-	-	-	1318	388	930	0.29	2.29	1.50	80	BN	DO.MA	OL.BK	RD	-	7	-	-	-
3796	133	-	-	-	1495	530	965	0.35	2.06	1.67	80	BN	AB.SP	AB.OL	RD	-	7	-	-	-
3797	113	144	24	13	3413	1340	2073	0.39	2.06	1.82	82	BN.GY	DO	OL	RD	-	5	-	-	-
3798	133	-	-	-	1235	435	800	0.35	1.91	1.43	80	BN	DO.MA	GY.BK	RD	-	7	-	-	-
3799	115	149	22	11	2647	1207	1440	0.46	2.02	1.66	82	GY	DO	OL	RD	-	7	-	-	-
3800	113	159	18	9	-	246	-	-	2.35	1.40	82	BN	DO	GY	RD	-	7	-	-	-
3801	133	-	-	-	1635	510	1125	0.31	2.30	1.50	80	BN	DO.MA	OL.BK	RD	-	7	-	-	-
3802	133	-	-	-	1130	395	735	0.35	2.18	1.69	80	BN	DO.MA	OL.BK	RD	-	7	-	-	-
3803	110	151	24	12	3580	1467	2113	0.41	3.10	1.66	82	BN	DO	GY	RD	-	7	-	-	-
3804	115	149	20	10	2013	817	1196	0.41	2.05	1.90	82	BN	DO	GY	RD	-	7	-	-	-
3805	115	151	22	11	3213	1343	1870	0.42	1.99	1.83	82	BN	DO.MA	BK	RD	-	5	-	-	-
3806	115	159	20	9	913	313	600	0.34	2.39	1.73	82	BN	DO	GY	RD	-	7	-	-	-
3807	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3808	133	-	-	-	1833	695	1138	0.38	2.25	1.34	80	BN	DO.MA	OL.BK	RD	-	7	-	-	-
3809	119	151	22	10	3079	1293	1786	0.42	2.22	1.63	82	GY	DO.MA	OL	RD	-	7	-	-	-
3810	133	-	-	-	3575	1363	2212	0.38	2.19	1.77	80	BN	AB.DO.MA	AB.OL	RD	-	7	-	-	-
3811	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3812	133	-	-	-	2960	1050	1910	0.35	2.25	1.80	80	BN	DO.MA	GY.BK	RD	-	7	-	-	-
3813	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3814	110	144	24	12	2913	1053	1860	0.36	2.36	1.64	82	BN	DO	OL	RD	-	7	-	-	-
3815	133	-	-	-	2578	980	1598	0.38	2.48	1.60	80	BN	DO.MA	OL.BK	RD	-	7	-	-	-

ILL	TiFl	TiMa	Hgt	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0979	0580	0581
3816	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3817	115	151	24	10	2713	1157	1556	0.43	2.08	1.80	82	BN	DO,MA	GY	RD	-	7	-	-	-
3818	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
3819	133	-	-	-	2225	863	1362	0.39	2.27	1.90	80	BN	AB,SP	AB,OL	RD	-	7	-	-	-
3820	133	-	-	-	1780	695	1085	0.39	2.34	1.95	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3821	113	151	24	9	2247	983	1264	0.44	2.05	1.58	82	GY	DO,MA	OL	RD	-	7	-	-	-
3822	115	151	23	10	2813	1113	1700	0.40	2.05	1.73	82	GY	AB,SP	AB,GY	RD	-	7	-	-	-
3823	113	151	22	9	2680	1017	1663	0.38	2.10	2.00	82	BN	DO,MA	BK	RD	-	7	-	-	-
3824	110	151	22	9	3080	1350	1730	0.44	2.46	1.72	82	BN	DO	GY	RD	-	7	-	-	-
3825	115	151	23	8	2347	1270	1077	0.54	1.99	-	82	BN	DO	BK	RD	-	7	-	-	-
3826	133	-	-	-	2375	910	1465	0.38	2.43	1.87	80	BN	AB,SP,MA	AB,OL	RD	-	7	-	-	-
3827	115	159	19	7	1079	333	746	0.31	2.20	1.86	82	BN	DO	GY	RD	-	7	-	-	-
3828	133	-	-	-	2035	763	1272	0.37	2.04	1.60	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3829	115	151	25	12	3247	1250	1997	0.38	2.60	1.74	82	BN	DO,MA	GY	RD	-	7	-	-	-
3830	133	-	-	-	2213	833	1380	0.38	1.94	1.47	80	BN	DO,MA	OL	RD	-	7	-	7	-
3831	126	-	-	-	2083	780	1303	0.37	3.36	1.53	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3832	115	162	21	11	1313	370	943	0.28	2.70	1.76	82	BN	DO	GY	RD	-	5	-	-	-
3833	126	-	-	-	2695	850	1845	0.32	2.08	1.50	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3834	133	-	-	-	3008	1170	1838	0.39	2.34	1.70	80	BN	DO,MA	OL	RD	-	7	-	-	-
3835	133	-	-	-	3928	1305	2623	0.33	2.30	1.71	80	BN	DO,MA	OL	RD	-	7	-	7	-
3836	133	-	-	-	3750	1220	2530	0.33	2.33	1.57	80	BN	DO,MA	BN,BK	RD	-	7	-	-	-
3837	133	-	-	-	3468	870	2598	0.25	2.24	1.43	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3838	133	-	-	-	-	925	-	-	2.25	1.70	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3839	115	151	25	11	3047	1297	1750	0.43	2.44	1.55	82	BN	DO,MA	BK	RD	-	7	-	-	-
3840	110	149	25	12	3223	1157	2066	0.36	2.72	1.71	82	BN	DO,MA	BK	RD	-	7	-	-	-
3841	133	-	-	-	2393	630	1763	0.26	2.18	1.67	80	BN	AB,SP	AB,BN	RD	-	7	-	-	-
3842	113	149	20	12	3380	1297	2083	0.38	2.99	1.32	82	BN	DO,MA	BK	RD	-	7	-	-	-
3843	133	-	-	-	3233	1055	2178	0.33	1.94	1.50	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3844	115	148	22	12	3713	1527	2186	0.41	2.17	1.73	82	BN	DO,MA	GY	RD	-	7	-	-	-
3845	133	-	-	-	2930	685	2245	0.23	2.38	1.40	80	BN	DO,SP	BN,BK	RD	-	-	-	-	-
3846	113	144	22	11	3713	1297	2416	0.35	2.23	1.70	82	BN	DO	BK	RD	-	7	-	-	-
3847	115	148	22	13	3647	1610	2037	0.44	2.17	1.73	82	BN	DO	GY	RD	-	7	-	-	-
3848	113	144	21	11	3480	1430	2050	0.41	2.03	1.82	82	BN	DO	GY	RD	-	7	-	-	-
3849	115	148	24	13	3313	1323	1990	0.40	2.21	1.92	82	GY	AB,MA	AB,GY	RD	-	7	-	-	-
3850	133	-	-	-	4080	1260	2820	0.31	2.21	1.67	80	BN	DO,MA	OL,BN	RD	-	7	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
3851	115	159	18	9	847	307	540	0.36	2.15	1.83	82	GY	DO	OL	RD	-	-	-	-	-
3852	133	-	-	-	3878	1460	2418	0.38	2.77	1.57	80	BN	DO,SP	OL	RD	-	7	-	-	-
3853	115	166	20	10	1147	383	764	0.33	3.79	1.63	82	GY	DO,MA	OL	RD	-	7	-	-	-
3854	110	144	25	12	3479	1167	2312	0.34	2.50	1.95	82	BN	DO	BK	RD	-	7	-	-	-
3855	113	148	25	12	3480	1383	2097	0.40	2.00	1.60	82	BN	DO	GY	RD	-	-	-	-	-
3856	133	-	-	-	4100	1470	2630	0.36	2.07	1.69	80	BN	DO,SP	BN,BK	RD	-	7	-	-	-
3857	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3858	133	-	-	-	3610	1360	2250	0.38	2.22	1.87	80	BN	DO,SP	BN,BK	RD	-	7	-	-	-
3859	113	149	25	11	3647	1620	2027	0.44	2.35	1.78	82	BN	DO	BK	RD	-	7	-	-	-
3860	113	148	23	11	4147	913	3234	0.22	1.82	1.65	82	BN	DO,MA	BK	RD	-	7	-	-	-
3861	133	-	-	-	4493	1705	2788	0.38	2.38	1.87	80	BN	DO,SP	OL,GY	RD	-	7	-	-	-
3862	133	-	-	-	4370	1455	2915	0.33	2.38	1.53	80	BN	DO,SP	OL,GY	RD	-	7	-	-	-
3863	133	-	-	-	3455	1313	2142	0.38	2.23	1.90	80	BN	DO,SP	OL,GY	RD	-	7	-	-	-
3864	133	-	-	-	3915	1500	2415	0.38	2.37	1.80	80	BN	DO,SP	OL,GY	RD	-	7	-	7	-
3865	133	-	-	-	4130	1515	2615	0.37	2.38	1.60	80	BN	DO,MA	OL,BK	RD	-	5	-	-	-
3866	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-
3867	133	-	-	-	4020	1435	2585	0.36	2.44	1.50	80	BN	DO,SP	GY,BN	RD	-	5	-	-	-
3868	133	-	-	-	3770	1235	2535	0.33	1.86	1.33	80	BN	DO,SP	GY,BK	RD	-	7	-	-	-
3869	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3870	133	-	-	-	3728	1375	2353	0.37	2.33	1.67	80	BN	DO,MA	OL,BK	RD	-	5	-	-	-
3871	133	-	-	-	3953	1510	2443	0.38	2.27	1.70	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3872	133	-	-	-	3890	1355	2535	0.35	2.40	1.80	80	BN	DO,MA	BN,BK	RD	-	7	-	-	-
3873	133	-	-	-	4963	1590	3373	0.32	2.38	1.73	80	BN	DO,MA	BN,BK	RD	-	7	-	-	-
3874	133	-	-	-	4225	1440	2785	0.34	2.32	1.53	80	BN	DO,SP	GY,BN	RD	-	7	-	-	-
3875	133	-	-	-	4118	1440	2678	0.35	2.15	1.73	80	BN	DO,SP	OL,BK	RD	-	7	-	-	-
3876	133	-	-	-	4118	1525	2593	0.37	2.32	1.70	80	BN	DO,SP	OL,BN	RD	-	7	-	-	-
3877	133	-	-	-	3783	1300	2483	0.34	2.42	1.63	80	BN	DO,MA	OL,BK	RD	-	5	-	-	-
3878	133	-	-	-	4873	1660	3213	0.34	2.29	1.60	80	BN	DO	OL,BN	RD	-	7	-	-	-
3879	133	-	-	-	4023	1285	2738	0.32	2.21	1.61	80	BN	DO,MA	BN,BK	RD	-	7	-	-	-
3880	133	-	-	-	3335	1050	2285	0.31	2.03	1.63	80	BN	DO,MA	BN,BK	RD	-	7	-	-	-
3881	133	-	-	-	4163	1500	2663	0.36	2.57	1.83	80	BN	DO,SP	OL,BN	RD	-	7	-	-	-
3882	110	144	23	11	3180	1240	1940	0.39	3.05	1.70	82	GY	DO	BK	RD	-	7	-	-	-
3883	133	-	-	-	4108	1310	2798	0.32	3.35	1.63	80	BN	DO,SP	BN	RD	-	7	-	9	-
3884	133	-	-	-	3480	900	2580	0.26	2.27	1.60	80	BN	DO,SP	OL,BN	RD	-	7	-	-	-
3885	133	-	-	-	4010	1515	2495	0.38	2.23	1.63	80	BN	DO,SP	OL,BN	RD	-	7	-	-	-

ILL	TiFl	TiNa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
3886	133	-	-	-	3420	1260	2360	0.35	2.32	1.46	80	BN	DO,MA	BN,BK	RD	-	7	-	-	-
3887	133	-	-	-	4458	1045	3413	0.23	2.19	1.83	80	BN	DO,SP	OL,BN	RD	-	7	-	-	-
3888	133	-	-	-	3975	1185	2790	0.30	2.26	1.50	80	BN	DO,SP	OL,BN	RD	-	7	-	-	-
3889	133	-	-	-	2923	845	2078	0.29	2.29	1.60	8	-	-	-	-	-	7	-	-	-
3890	113	149	24	10	2447	173	2274	0.07	2.54	1.43	82	GY	DO	OL	RD	-	7	-	-	-
3891	115	149	24	11	2813	1257	1556	0.45	2.07	1.55	82	BN	DO,CO	GY	RD	-	7	-	-	-
3892	115	148	24	13	3580	880	2700	0.25	2.19	1.83	82	BN	DO	GY	RD	-	7	-	-	-
3893	133	-	-	-	3065	1000	2065	0.33	2.09	1.47	8	-	-	-	-	-	7	-	-	-
3894	133	-	-	-	2203	800	1403	0.36	2.22	1.73	80	BN	DO,SP	GY,BK	RD	-	7	-	-	-
3895	110	149	21	12	3513	1297	2216	0.37	2.30	1.56	82	BN	DO	BK	RD	-	7	-	-	-
3896	115	149	20	8	2480	900	1580	0.36	2.01	1.66	82	BN	DO,MA	GY	RD	-	7	-	-	-
3897	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
3898	133	-	-	-	2540	880	1660	0.35	2.17	1.73	80	BN	DO,SP	OL,BN	RD	-	7	-	-	-
3899	115	149	21	10	2947	933	2014	0.32	2.05	2.00	82	BN	SP,MA	BK	RD	-	7	-	-	-
3900	115	151	30	13	3480	950	2530	0.27	2.03	1.83	82	BN	DO	GY	RD	-	7	-	-	-
3901	115	144	25	13	3780	1407	2373	0.37	2.19	1.55	82	BN	AB,SP	AB,GY	RD	-	7	-	-	-
3902	133	-	-	-	2795	920	1875	0.33	1.85	1.70	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3903	133	-	-	-	2835	995	1840	0.35	2.08	1.83	80	BN	AB,SP,MA	OL,BN	RD	-	5	-	-	-
3904	115	144	25	13	3480	1400	2080	0.40	2.17	1.48	82	GY	AB,MA	AB,GY	RD	-	7	-	-	-
3905	115	148	25	12	3780	1337	2443	0.35	2.18	1.80	82	BN	AB,MA	AB,OL	RD	-	7	-	-	-
3906	-	-	-	-	-	-	-	-	-	-	-	-	DO	BK	RD	-	7	-	-	-
3907	110	148	25	11	3147	927	2220	0.29	2.16	1.80	82	BN	DO	GY	RD	-	5	-	-	-
3908	133	-	-	-	2580	825	1755	0.32	2.08	1.87	80	BN	AB,SP,MA	OL,BK	RD	-	5	-	-	-
3909	133	-	-	-	2180	725	1455	0.33	2.46	1.30	80	BN	DO,MA	BN,BK	RD	-	5	-	-	-
391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3911	133	-	-	-	1765	630	1135	0.36	2.19	1.62	80	BN	DO,MA	BN,BK	RD	-	7	-	-	-
3912	133	-	-	-	1178	293	885	0.25	2.22	1.77	80	BN	DO,CO	GY,BK	RD	-	7	-	-	-
3913	133	-	-	-	1313	375	938	0.29	2.29	1.87	80	BN	DO,SP	OL,GY	RD	-	5	-	-	-
3914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3915	115	149	25	13	3147	1317	1830	0.42	2.24	1.77	82	BN	DO,MA	BK	RD	-	5	-	-	-
3916	133	-	-	-	1428	345	1083	0.24	2.16	1.53	80	BN	DO,SP	OL,BK	RD	-	7	-	7	-
3917	133	-	-	-	1533	445	1088	0.29	2.38	1.73	80	BN	DO,SP	OL,BK	RD	-	5	-	-	-
3918	133	-	-	-	1973	550	1423	0.28	2.52	1.83	80	BN	DO,SP	GY,BK	RD	-	5	-	-	-
3919	115	162	21	9	980	280	700	0.29	2.23	1.66	82	GY	DO	OL	RD	-	7	-	-	-
3920	133	-	-	-	2050	695	1355	0.34	2.16	1.73	80	BN	DO,SP	BN,BK	RD	-	7	-	-	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	ColCol	ProZ	CS	0579	0580	0581
3921	133	-	-	-	2795	900	1895	0.32	2.14	1.40	80	BN	DO,MA	BN,BK	RD	-	7	-	-	-
3922	133	-	-	-	1568	430	1138	0.27	2.25	1.70	80	BN	DO,MA	BN,BK	RD	-	7	-	-	-
3923	133	-	-	-	1750	500	1250	0.29	2.22	1.60	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3924	133	-	-	-	988	300	688	0.30	2.26	1.77	80	BN	DO,SP	OL,BK	RD	-	7	-	-	-
3925	133	-	-	-	1018	260	758	0.26	2.17	1.70	80	BN	DO,MA	BN,BK	RD	-	7	-	5	-
3926	133	-	-	-	1855	615	1240	0.33	2.32	1.70	80	BN	DO,SP	OL,BN	RD	-	7	-	-	-
3927	133	-	-	-	1133	370	763	0.33	2.34	1.38	80	BN	AB,SP	AB,OL	RD	-	7	-	-	-
3928	133	-	-	-	638	95	543	0.15	2.32	1.50	80	BN	DO	BK	RD	-	7	-	9	-
3929	133	-	-	-	2780	885	1895	0.32	2.31	1.70	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3930	126	-	-	-	2633	860	1773	0.33	2.25	1.67	80	BN	DO,MA	OL,GY	RD	-	7	-	-	-
3931	113	148	23	13	3280	1277	2003	0.39	2.08	1.86	82	BN	DO	BK	RD	-	7	-	-	-
3932	133	-	-	-	1993	720	1273	0.36	2.24	1.67	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
3933	133	-	-	-	1910	655	1255	0.34	2.20	1.70	80	BN	DO,SP	OL,GY	RD	-	5	-	-	-
3934	115	149	21	8	2813	1147	1666	0.41	2.24	1.83	82	BN	DO,MA	GY	RD	-	7	-	-	-
3935	133	-	-	-	1455	410	1045	0.28	2.30	1.55	80	BN	DO,SP	OL	RD	-	5	-	-	-
3936	133	-	-	-	1005	310	695	0.31	2.33	1.53	80	BN	DO,MA	OL,GY	RD	-	7	-	-	-
3937	119	155	24	8	3180	913	2267	0.29	1.88	-	82	BN,GY	AB,SP,MA	AB,OL	RD	-	7	-	-	-
3938	115	151	20	8	2413	927	1486	0.38	2.11	1.93	82	BN	DO	BK	RD	-	7	-	-	-
3939	133	-	-	-	1990	495	1495	0.25	2.23	1.87	80	BN	DO,SP	OL,GY	RD	-	7	-	-	-
3940	115	155	20	7	2547	723	1824	0.28	1.89	1.83	82	BN	AB,MA	AB,OL	RD	-	7	-	-	-
3941	133	-	-	-	1345	445	900	0.33	2.30	1.60	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3942	115	159	16	7	713	220	493	0.31	2.42	-	82	BN	DO,MA	GY	RD	-	7	-	-	-
3943	115	151	25	11	3213	1381	1832	0.43	2.34	1.92	82	GY	AB,SP	AB,GY	RD	-	7	-	-	-
3944	113	148	24	12	3079	1177	1902	0.38	2.03	1.76	82	BK	AB	AB	RD	-	7	-	-	-
3945	115	151	22	13	5413	1400	4013	0.26	2.06	1.53	82	GY	DO	BK	RD	-	7	-	-	-
3946	133	-	-	-	1460	555	905	0.38	1.91	1.41	80	BN	DO,MA	BN,BK	RD	-	7	-	-	-
3947	113	149	18	10	2880	887	1993	0.31	2.09	1.60	82	BN	DO,MA	GY	RD	-	7	-	-	-
3948	133	-	-	-	1730	665	1065	0.38	2.29	1.93	80	BN	DO,MA	OL	RD	-	7	-	-	-
3949	133	-	-	-	1413	475	938	0.34	2.26	1.80	80	BN	DO,SP	OL,GY	RD	-	5	-	-	-
3950	115	151	20	10	3147	1370	1777	0.44	2.31	1.70	82	GY	AB,SP,MA	AB,GY	RD	-	7	-	-	-
3951	133	-	-	-	1035	270	765	0.26	2.00	1.70	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3952	119	151	21	11	2680	1053	1627	0.39	1.92	1.72	82	BN	DO	GY	RD	-	7	-	-	-
3953	133	-	-	-	1703	393	1310	0.23	2.19	1.14	80	BN	DO,MA	BN,BK	RD	-	7	-	-	-
3954	133	-	-	-	1890	445	1445	0.24	2.38	1.58	80	BN	AB,SP,MA	AB,OL	RD	-	7	-	-	-
3955	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ILL	TiF1	TiMa	Hst	LPH	RiYd	SdYd	StYd	HI	100SH	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
3956	133	-	-	-	2070	710	1360	0.34	2.23	1.80	8	-	-	-	-	-	7	-	-	-
3957	115	151	26	10	3113	1307	1806	0.42	2.16	1.75	82	BN	DO	BK	RD	-	7	-	-	-
3958	133	-	-	-	1368	405	963	0.30	2.64	1.53	80	BN	DO,SP	OL	RD	-	7	-	-	-
3959	113	148	24	12	3647	1017	2630	0.28	1.98	-	82	GY	DO,MA	BK	RD	-	7	-	-	-
3960	133	-	-	-	508	55	453	0.11	2.22	1.75	80	BN	DO,MA	OL	RD	-	7	-	-	-
3961	115	151	22	11	3013	980	2033	0.33	2.27	1.80	82	BN	DO	GY	RD	-	7	-	-	-
3962	122	163	32	17	5713	1230	4483	0.22	5.07	1.83	82	GN	AB	AB	YE	-	7	-	-	-
3963	133	-	-	-	1760	380	1380	0.22	2.19	1.73	8	-	-	-	-	-	3	-	-	-
3964	127	168	27	15	4447	1530	2917	0.34	3.60	1.63	82	PI	AB	AB	RD	-	5	-	-	-
3965	133	-	-	-	1765	505	1260	0.29	2.12	1.53	80	BN	DO,SP	OL,BK	RD	-	7	-	-	-
3966	113	148	20	12	3313	1257	2056	0.38	2.03	1.73	82	BN	DO,MA	GY	RD	-	7	-	-	-
3967	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
3968	133	-	-	-	1825	615	1210	0.34	1.97	1.47	80	BN	DO,SP	BN	RD	-	5	-	-	-
3969	113	148	23	12	3247	1267	1980	0.39	2.19	-	82	BN	DO,MA	GY	RD	-	7	-	-	-
3970	110	148	22	10	2780	950	1830	0.34	2.45	1.72	82	BK	AB	AB	RD	-	7	-	-	-
3971	158	-	-	-	1730	185	1545	0.11	2.59	1.10	8	-	-	-	-	-	3	-	-	-
3972	148	-	-	-	2765	523	2242	0.19	2.47	1.90	80	GN,PI	AB	AB	RD	-	7	-	-	-
3973	-	-	-	-	-	-	-	-	-	-	-	PI	AB	AB	RD,YE	-	3	-	-	-
3974	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3975	113	148	24	11	4047	1747	2300	0.43	2.24	1.96	82	BN	DO,MA	GY	RD	-	7	-	-	-
3976	133	-	-	-	2650	985	1665	0.37	1.99	1.53	80	BN	DO,SP	OL,BK	RD	-	7	-	-	-
3977	133	-	-	-	2585	915	1670	0.35	2.26	1.80	80	BN	DO,SP	OL,BK	RD	-	5	-	-	-
3978	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3979	133	-	-	-	2298	773	1525	0.34	2.23	1.73	80	BN	DO,MA	OL,BK	RD	-	5	-	-	-
3980	133	-	-	-	2705	935	1770	0.35	1.96	1.27	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
3982	133	-	-	-	3993	1430	2563	0.36	2.23	1.41	80	BN	DO,MA	OL,GY	RD	-	7	-	-	-
3983	133	-	-	-	4505	1610	2895	0.36	2.36	1.87	80	BN	DO,MA	GY,BN	RD	-	5	-	-	-
3984	115	148	25	12	3247	1383	1864	0.43	2.15	1.73	82	BN	DO,MA	BK	RD	-	7	-	-	-
3985	133	-	-	-	5265	1570	3695	0.30	2.45	1.73	80	BN	DO,MA	OL,BK	RD	-	5	-	-	-
3986	-	-	-	-	-	-	-	-	-	-	-	BN	DO	GY	RD	-	7	-	-	-
3987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
3988	133	-	-	-	4735	1450	3285	0.31	2.24	1.57	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
3989	113	148	22	11	3913	1767	2146	0.45	2.18	1.60	82	BN	DO	GY	RD	-	7	-	-	-
3990	133	-	-	-	4083	1610	2473	0.39	2.31	1.73	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-

ILL	TiFl	TiHa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
3991	115	148	22	10	3580	1623	1957	0.45	2.16	1.67	82	BN	DO	BK	RD	-	7	-	-	-
3992	113	148	22	12	3413	1283	2130	0.38	2.48	1.80	82	BN	DO	BK	RD	-	7	-	-	-
3993	115	148	21	11	3680	1367	2313	0.37	2.34	1.13	82	BN	DO, MA	GY	RD	-	7	-	-	-
3994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3995	-	-	-	-	-	-	-	-	-	-	-	GY	AB	AB	YE	-	5	-	-	-
3996	113	148	24	12	3680	1363	2317	0.37	2.37	1.83	82	BN	DO	GY	RD	-	7	-	-	-
3997	133	-	-	-	3885	1400	2485	0.36	2.53	1.80	80	BN	DO, SP	OL	RD	-	7	-	-	-
3998	122	157	28	15	3580	-	-	-	2.05	1.73	82	BN	DO	GY	RD	-	7	-	-	-
3999	113	148	24	13	3413	1197	2216	0.35	2.43	1.80	82	BN	DO	BK	RD	-	7	-	-	-
4000	122	157	33	18	6280	1890	4390	0.30	4.45	-	82	PI	AB	AB	RD	-	7	-	-	-
4001	113	148	19	12	2680	1160	1520	0.43	2.12	1.66	82	BN	DO, MA	GY	RD	-	7	-	-	-
4002	133	-	-	-	4505	1680	2825	0.37	2.17	1.63	80	BN	DO, MA	OL	RD	-	7	-	-	-
4003	122	157	28	18	4480	1827	2653	0.41	4.39	1.66	82	PI	AB	AB	RD	-	7	-	-	-
4004	122	157	28	17	4747	2000	2747	0.42	4.23	-	82	PI	AB	AB	RD	-	7	-	-	-
4005	133	-	-	-	3610	1250	2360	0.35	2.28	1.83	80	GN, PI	DO, MA	OL, BN	RD	-	7	-	-	-
4006	133	-	-	-	4123	1460	2663	0.35	2.16	2.00	80	GN, BN	AB, SP	AB, OL	RD	-	7	-	-	-
4007	133	-	-	-	3688	1290	2398	0.35	2.16	1.73	80	GN, BN	DO, SP	OL	RD	-	7	-	-	-
4008	133	-	-	-	3840	1240	2600	0.32	2.02	1.73	80	BN	DO, SP	OL, BN	RD	-	7	-	-	-
4009	133	-	-	-	3175	1120	2055	0.35	2.23	1.67	80	BN	DO, SP	OL, BN	RD	-	7	-	-	-
4010	133	-	-	-	4283	1080	3203	0.25	2.05	1.53	80	BN	DO, SP	OL, BN	RD	-	7	-	-	-
4011	-	-	-	-	-	-	-	-	-	-	-	PI	DO	GY	RD	-	-	-	-	-
4012	113	148	22	12	-	1020	-	-	2.02	1.80	82	GY	DO	OL	RD	-	-	-	-	-
4013	119	166	18	7	847	237	610	0.28	2.14	1.50	82	BN	DO	GY	RD	-	-	-	-	-
4014	133	-	-	-	2893	1030	1863	0.36	2.14	1.63	80	BN	DO, SP	OL, BN	RD	-	7	-	-	-
4015	133	-	-	-	4135	1470	2665	0.36	2.20	1.69	80	BN	DO, MA	OL, BK	RD	-	7	-	-	-
4016	133	-	-	-	3308	1285	2023	0.39	2.07	1.77	80	BN	DO, MA	OL, BK	RD	-	7	-	-	-
4017	133	-	-	-	3868	1350	2518	0.35	2.29	1.69	8	-	-	-	-	-	7	-	-	-
4018	133	-	-	-	3435	1090	2345	0.32	2.16	1.63	80	BN	DO, MA	OL, BK	RD	-	7	-	-	-
4019	133	-	-	-	3503	1300	2203	0.37	2.29	1.77	80	BN	DO, MA	OL, BK	RD	-	7	-	-	-
4020	133	-	-	-	3265	1090	2175	0.33	2.04	1.67	80	BN	DO, MA	OL, BK	RD	-	7	-	-	-
4021	113	148	20	11	2813	1417	1396	0.5	2.17	1.82	82	BN	DO	GY	RD	-	7	-	-	-
4022	133	-	-	-	3283	1120	2163	0.34	1.79	1.47	80	BN	DO, SP	OL, BN	RD	-	7	-	5	-
4023	133	-	-	-	4270	1263	3007	0.30	2.14	1.80	80	BN	DO, SP	OL, BN	RD	-	7	-	-	-
4024	133	-	-	-	4223	1363	2860	0.32	2.23	1.73	80	BN	DO, SP	OL, BN	RD	-	7	-	-	-
4025	133	-	-	-	2318	1620	698	0.7	2.17	1.55	80	BN	DO, SP	OL, BN	RD	-	7	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	DS79	DS80	DS81
4026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-
4027	113	148	20	12	3580	1327	2253	0.37	2.12	1.65	82	BN	DO,MA	BK	RD	-	7	-	-	-
4028	133	-	-	-	4300	1350	2950	0.31	2.11	1.70	80	BN	DO,MA	OL	RD	-	7	-	-	-
4029	151	-	-	-	3695	650	3045	0.18	-	1.38	80	GN	AB	AB	YE,GN	-	5	-	3	-
4030	151	-	-	-	3798	1400	2398	0.37	3.01	1.63	80	GN	AB	AB	YE,GN	-	5	-	-	-
4031	149	-	-	-	3295	553	2742	0.17	3.06	1.92	80	GN,PI	AB	AB	YE,GN	-	5	-	5	-
4032	115	151	24	10	3180	1457	1723	0.46	2.17	1.66	82	GN,PI	AB,DO	AB,OL	RD	-	7	-	-	-
4033	115	148	21	10	3313	1423	1890	0.43	2.42	1.89	82	BN	DO	GY	RD	-	7	-	-	-
4034	119	148	19	10	2813	1187	1626	0.42	2.28	1.73	82	BN	DO	GY	RD	-	7	-	-	-
4035	133	-	-	-	3833	1160	2673	0.30	2.19	1.47	80	BN	DO,SP	GY,BK	RD	-	7	-	-	-
4036	133	-	-	-	4455	1380	3075	0.31	2.31	1.73	80	BN	DO,SP	GY,BK	RD	-	7	-	-	-
4037	125	165	30	16	4680	1257	3423	0.27	4.30	1.56	82	GN	AB	AB	YE	-	7	-	-	-
4038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4039	113	148	25	12	3680	1197	2483	0.33	2.61	1.80	82	GY	DO,MA	OL	RD	-	7	-	-	-
404	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4041	115	148	24	11	4180	1607	2573	0.38	2.11	1.86	82	BN	DO,MA	BK	RD	-	7	-	-	-
4042	115	148	21	11	3213	1047	2166	0.33	2.20	1.96	82	BN	DO	BK	RD	-	7	-	-	-
4043	115	159	17	9	813	223	590	0.27	2.12	1.93	82	BN	DO	GY	RD	-	7	-	-	-
4044	115	166	18	9	-	-	-	-	2.38	1.66	82	BN	DO,MA	GY	RD	-	7	-	-	-
4045	133	-	-	-	4145	1180	2965	0.28	2.32	1.57	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
4046	133	-	-	-	3508	1010	2498	0.29	2.33	1.85	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
4047	115	157	23	11	4747	1920	2827	0.40	3.13	1.86	82	GY	DO	GY	RD	-	7	-	-	-
4048	113	148	22	12	3513	1497	2016	0.43	2.03	1.82	82	BN	DO	GY	RD	-	7	-	-	-
4049	133	-	-	-	2780	650	2130	0.23	2.15	1.63	80	BN	DO,SP	GY,BK	RD	-	7	-	-	-
405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
4051	138	-	-	-	4453	1125	3328	0.25	3.58	1.40	80	GN,PI	AB	AB	YE	-	5	-	-	-
4052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4053	115	148	23	15	3313	1437	1876	0.43	2.36	1.55	82	BN	DO,MA	GY	RD	-	7	-	-	-
4054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4055	124	163	26	16	4313	1840	2473	0.43	5.12	1.66	82	GN	AB	AB	YE	-	5	-	-	-
4056	122	163	25	15	5080	1983	3097	0.39	5.45	1.63	82	GN,PI	AB	AB	YE	-	7	-	-	-
4057	115	157	23	15	4047	1400	2647	0.35	3.01	1.76	82	BN	DO,MA	GY	RD	-	7	-	-	-
4058	124	165	25	16	4380	940	3440	0.21	4.81	1.89	82	GN	AB	AB	YE	-	5	-	-	-
4059	138	-	-	-	3430	640	2790	0.19	4.49	1.25	8	-	-	-	-	-	5	-	-	-
4060	149	-	-	-	4020	760	3260	0.19	4.08	1.43	80	GN,PI	AB	AB	YE	-	5	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
4061	115	148	24	12	3447	1130	2317	0.33	2.34	1.76	82	BN	DO	BK	RD	-	5	-	-	-
4062	146	-	-	-	5775	1665	4110	0.29	3.23	1.07	80	GN.PI	AB	AB	YE	-	7	-	-	-
4063	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
4064	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4065	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4066	146	-	-	-	4463	930	3533	0.21	4.58	1.25	80	GN.PI	AE	AB	YE	-	7	-	-	-
4067	113	148	21	10	2547	1190	1357	0.47	2.10	1.96	82	BN	DO.MA	GY	RD	-	7	-	-	-
4068	133	-	-	-	3143	1115	2028	0.35	2.19	1.60	80	BN	DO.SP	GY.BK	RD	-	7	-	-	-
4069	133	-	-	-	4398	1605	2793	0.36	2.20	1.31	80	BN	DO.SP	GY.BK	RD	-	7	-	5	-
4070	115	148	20	10	3180	1287	1893	0.40	2.19	1.96	82	BN	DO	GY	RD	-	7	-	-	-
4071	113	148	20	12	2847	1320	1527	0.46	2.24	1.80	82	BN	DO.SP	GY	RD	-	7	-	-	-
4072	113	148	20	10	2213	1023	1190	0.46	2.12	1.70	82	BN	DO.MA	BK	RD	-	7	-	-	-
4073	119	163	24	15	4147	1630	2517	0.39	4.25	-	82	GN.PI	AB	AB	YE	-	7	-	-	-
4074	122	163	26	17	3947	1607	2340	0.41	4.84	1.83	82	GN	AB	AB	YE	-	5	-	-	-
4075	119	159	26	15	4513	2023	2490	0.45	4.48	1.43	82	GN	AB	AB	YE	-	5	-	-	-
4076	129	172	23	13	-	623	-	-	4.22	1.03	82	GN	AB	AB	YE	-	-	-	-	-
4077	151	-	-	-	4770	1500	3270	0.31	4.50	1.53	80	GN.PI	AB	AB	YE	-	7	-	9	-
4078	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4079	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4080	133	-	-	-	5030	1660	3370	0.33	2.23	1.76	80	BN	DO.MA	GY.BK	RD	-	7	-	-	-
4081	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4082	133	-	-	-	5953	2050	3903	0.34	2.22	1.53	80	BN	DO.SP	OL.BN	RD	-	7	-	-	-
4083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4084	128	172	26	17	2147	657	1490	0.31	5.54	1.67	82	GN	AB	AB	YE	-	5	-	-	-
4085	133	-	-	-	4813	1633	3180	0.34	2.41	1.86	80	BN	DO.SP	GY.BK	RD	-	7	-	-	-
4086	115	148	27	13	3247	1280	1967	0.39	2.33	1.68	82	BN	DO	GY	RD	-	7	-	-	-
4087	115	159	17	11	980	330	650	0.34	4.26	1.76	82	BN	DO.MA	OL	RD	-	-	-	-	-
4088	115	148	23	13	3847	1277	2570	0.33	2.29	1.66	82	BN	DO	BK	RD	-	7	-	-	-
4089	113	148	23	13	3580	1043	2537	0.29	2.15	1.78	82	BN	DO	BK	RD	-	7	-	-	-
409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-
4091	151	-	-	-	4868	1050	3818	0.22	2.20	1.70	80	BN	AB	AB	YE	-	7	-	9	-
4092	146	-	-	-	3788	760	3028	0.20	4.16	1.07	80	PI	AB	AB	YE	-	7	-	-	-
4093	133	-	-	-	3820	1215	2605	0.32	2.66	1.53	80	BN	DO.SP	OL.BN	RD	-	7	-	-	-
4094	147	-	-	-	6788	2005	4783	0.30	4.80	1.13	80	PI	AB	AB	YE	-	3	-	-	-
4095	148	-	-	-	3208	650	2558	0.20	3.44	1.33	80	GN.PI	AB	AB	YE	-	7	-	-	-

ILL	TiFl	TiMa	Hgt	LPH	RtYd	SdYd	StYd	HI	100SW	Sd/Fd	Yr	TrstaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
4096	-	-	-	-	-	-	-	-	-	-	-	BN	DO,MA	DL	RD	-	-	-	-	-
4097 133	-	-	-	-	2708	1035	1673	0.38	2.17	1.67	80	BN	DO,SP	GY,BK	RD	-	7	-	-	-
4098 133	-	-	-	-	2350	855	1495	0.36	2.18	1.50	80	BN	AB,DO,MA	GY,BK	RD	-	7	-	-	-
4099 127	168	28	18	4747	1413	3334	3334	0.30	2.99	-	82	GN	DO,CO	OL	YE	-	5	-	-	-
4100 133	-	-	-	-	2495	645	1850	0.26	2.27	1.60	80	BN	DO,SP	OL,BK	RD	-	7	-	3	-
4101 115	159	29	18	2380	1403	977	977	0.59	2.26	1.65	82	BN	DO,MA	GY	RD	-	7	-	-	-
4102 115	148	19	12	3313	1550	1763	1763	0.47	2.24	-	82	BN	DO,MA	GY	RD	-	7	-	-	-
4103 119	159	24	17	3913	1333	2580	2580	0.34	3.29	1.13	82	PI	AB	AB	RD	-	7	-	-	-
4104 122	168	30	17	6580	1637	4943	4943	0.25	4.30	1.53	82	GY	AB	AB	YE	-	7	-	-	-
4105 125	163	24	15	4313	1660	2653	2653	0.38	4.34	1.63	82	GN	AB	AB	YE	-	7	-	-	-
4106	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4107 133	-	-	-	-	2723	395	2328	0.15	4.15	1.17	80	GN,PI	AB	AB	YE	-	5	-	9	-
4108 151	-	-	-	-	3123	425	2698	0.14	2.89	1.40	80	PI	AB	AB	RD	-	5	-	-	-
4109 148	-	-	-	-	3398	730	2668	0.21	4.06	1.43	80	GN,PI	AB	AB	YE	-	5	-	-	-
4110 146	-	-	-	-	3808	925	2883	0.24	4.35	1.30	80	GN,PI	AB	AB	YE	-	7	-	9	-
4111 146	-	-	-	-	3785	850	2935	0.22	3.72	1.31	80	PI	AB	AB	YE	-	7	-	-	-
4112 133	-	-	-	-	2685	980	1705	0.36	2.30	1.77	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
4113 146	-	-	-	-	3015	848	2167	0.28	4.34	1.53	80	PI	AB	AB	YE	-	5	-	5	-
4114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4115 133	-	-	-	-	2120	693	1427	0.33	2.38	1.80	80	BN	DO,SP	OL,BK	RD	-	7	-	-	-
4116 133	-	-	-	-	1988	718	1270	0.36	3.92	1.40	80	PI	AB	AB	YE	-	7	-	-	-
4117 133	-	-	-	-	1575	555	1020	0.35	2.29	1.47	80	BN	DO,MA	BN,BK	RD	-	7	-	-	-
4118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4119	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4120 115	148	21	13	3080	1263	1817	1817	0.41	2.06	1.85	82	BN	DO	GY	RD	-	7	-	-	-
4121	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4122 129	168	29	19	4513	1407	3106	3106	0.31	3.24	1.92	82	GN	AB,SP	AB,OL	YE	-	7	-	-	-
4123 119	157	27	16	4613	1847	2766	2766	0.40	2.76	-	82	BN	SP	BK	RD	-	7	-	-	-
4124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4125 133	-	-	-	-	1835	698	1137	0.38	2.26	1.77	80	BN	DO,SP	BN,BK	RD	-	7	-	-	-
4126 115	148	20	12	2913	223	2690	2690	0.08	2.20	-	82	BN	DO	GY	RD	-	7	-	-	-
4127 115	157	24	14	3747	1453	2294	2294	0.39	2.96	1.34	82	BN	DO	GY	RD	-	7	-	-	-
4128 135	-	-	-	-	2693	785	1908	0.29	3.90	1.57	80	PI	AB	AB	YE	-	7	-	9	-
4129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4130 127	163	28	18	5113	2003	3110	3110	0.39	2.96	1.96	82	GY	AB	AB	YE	-	7	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
4131	115	162	18	9	1047	300	747	0.29	2.23	1.68	82	GY	DO,MA	OL,BK	RD	-	7	-	-	-
4132	151	-	-	-	2893	803	2090	0.28	2.16	1.43	80	PI	AB,SP	AB,BN	RD	-	5	-	-	-
4133	113	148	23	12	2947	1087	1860	0.37	2.22	1.63	82	BN	DO	GY	RD	-	7	-	-	-
4134	115	148	23	13	3213	1123	2090	0.35	2.17	1.63	82	BN	DO,MA	BK	RD	-	7	-	-	-
4135	115	148	20	10	2580	830	1750	0.32	2.34	1.70	82	BN	DO,MA	BK	RD	-	7	-	-	-
4136	113	159	19	9	-	-	-	-	2.07	1.26	82	GY	DO	OL	RD	-	-	-	-	-
4137	133	-	-	-	2950	1118	1832	0.38	2.48	1.70	80	BN	DO,MA	GY,BK	RD	-	7	-	-	-
4138	115	148	20	11	2313	903	1410	0.39	2.14	1.78	82	GY	DO,MA	BK	RD	-	7	-	-	-
4139	-	-	-	-	-	-	-	-	-	-	-	BN	DO,MA	BK	RD	-	7	-	-	-
4140	119	151	21	12	3047	1197	1850	0.39	2.20	-	82	GN,PI	DO	OL	RD	-	5	-	-	-
4141	133	-	-	-	3020	1098	1922	0.36	2.19	1.40	80	BN	DO,SP	GY,BK	RD	-	7	-	-	-
4142	113	148	22	12	2613	957	1656	0.37	2.09	1.64	82	BN	DO,MA	BK	RD	-	7	-	-	-
4143	113	148	22	12	2913	1263	1650	0.43	2.15	-	82	BN	DO	BK	RD	-	7	-	-	-
4144	115	148	20	11	2747	1103	1644	0.40	1.83	1.70	82	GY	DO,MA	BK	RD	-	7	-	-	-
4145	115	148	20	12	3080	1183	1897	0.38	2.19	1.79	82	BN	DO	GY	RD	-	7	-	-	-
4146	115	148	21	10	2947	1167	1780	0.40	1.81	1.51	82	BN	DO	GY	RD	-	7	-	-	-
4147	115	148	22	12	3180	1297	1883	0.41	2.13	1.64	82	BN	DO	OL	RD	-	7	-	-	-
4148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4149	113	148	21	12	3013	1137	1876	0.38	2.00	1.90	82	BN	DO	GY	RD	-	7	-	-	-
4150	133	-	-	-	2710	950	1760	0.35	2.19	1.70	80	BN	DO,SP	GY,BK	RD	-	7	-	5	-
4151	113	159	19	11	-	-	-	-	2.12	1.96	82	BN	DO	GY	RD	-	7	-	-	-
4152	151	-	-	-	3055	500	2555	0.16	2.18	1.33	80	PI	AB	AB	RD	-	5	-	-	-
4153	122	157	31	18	4250	1583	2667	0.37	3.26	1.53	82	GY	DO	BN	RD	-	5	-	-	-
4154	113	148	22	11	3347	1343	2004	0.40	2.00	1.76	82	BN	DO,MA	GY	RD	-	7	-	-	-
4155	133	-	-	-	2215	675	1540	0.30	1.96	1.43	80	BN	DO,MA	OL,BN	RD	-	7	-	-	-
4156	115	159	24	17	3413	1093	2320	0.32	2.34	1.96	82	BN	AB,DO,SP	AB,GY	RD	-	5	-	-	-
4157	135	-	-	-	3233	855	2378	0.26	2.01	1.69	80	BN	AB,SP	AB,OL	YE	-	7	-	-	-
4158	133	-	-	-	2725	948	1777	0.35	2.48	1.80	80	GY	AB,SP	AB,GY	RD	-	5	-	-	-
4159	-	-	-	-	-	-	-	-	-	-	-	BN	CO	BK	RD	-	-	-	-	-
4160	133	-	-	-	3148	895	2253	0.28	2.85	1.77	80	BN	DO,SP	OL,BN	YE	-	5	-	-	-
4161	133	-	-	-	1735	558	1177	0.32	2.70	1.38	80	BN	DO,MA	OL,BK	RD	-	5	-	7	-
4162	113	148	21	12	3480	1493	1987	0.43	2.62	1.32	82	GY	DO	BK	RD	-	5	-	-	-
4163	113	148	21	13	2613	983	1630	0.38	2.13	1.93	82	BN	DO	GY	RD	-	7	-	-	-
4164	133	-	-	-	1170	380	790	0.32	2.21	1.63	8	-	-	-	-	-	7	-	-	-
4165	133	-	-	-	1738	778	960	0.45	2.29	1.87	80	BK	AB	AB	RD	-	5	-	7	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
4166 113	148	21	10	3180	1377	1803	0.43	2.12	1.80	82	GY	DO	BK	RD	-	5	-	-	-	-
4167 133	-	-	-	2603	975	1628	0.37	2.45	1.77	80	BK	AB	AB	RD	-	5	-	-	-	-
4168 133	-	-	-	2098	585	1513	0.28	2.38	1.55	80	BN	DO.SP	GY.BK	RD	-	7	-	-	-	-
4169 133	-	-	-	2615	850	1765	0.33	2.34	1.47	80	BN	DO.SP	GY.BK	RD	-	5	-	-	-	-
4170 133	-	-	-	2715	1115	1600	0.41	2.38	1.50	80	BN	DO	GY.BN	RD	-	5	-	-	-	-
4171 113	148	21	10	2247	1053	1194	0.47	1.93	-	82	BN	DO.MA	BK	RD	-	7	-	-	-	-
4172 115	148	21	10	2380	650	1730	0.27	2.04	-	82	BN	DO.MA	BK	RD	-	-	-	-	-	-
4173 133	-	-	-	2273	723	1550	0.32	2.11	1.37	80	BN	DO.MA	GY.BK	RD	-	7	-	-	-	-
4174 133	-	-	-	2703	1168	1535	0.43	2.22	1.77	80	BN	DO.SP	OL.BK	RD	-	3	-	-	-	-
4175 133	-	-	-	3070	1500	1570	0.49	2.05	1.33	80	BN	DO.MA	OL.BK	RD	-	5	-	-	-	-
4176 133	-	-	-	3653	1400	2253	0.38	2.38	1.73	80	BN	AB.SP	AB.OL	RD	-	5	-	-	-	-
4177 133	-	-	-	3168	1223	1945	0.39	2.28	1.77	80	BN	DO.MA	AB.OL	RD	-	5	-	5	-	-
4178 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4179 115	159	19	9	847	163	684	0.19	2.20	1.86	82	BN	DO	GY	RD	-	-	-	-	-	-
418 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4181 133	-	-	-	2278	880	1398	0.39	2.16	1.76	80	BN	DO.SP	OL.BN	RD	-	7	-	5	-	-
4182 -	-	-	-	-	-	-	-	-	-	-	-	BN	BK	RD	-	5	-	-	-	-
4183 119	157	25	11	3113	883	2230	0.28	2.15	1.93	82	BN	DO	BK	RD	-	5	-	-	-	-
4184 119	151	19	7	2113	980	1133	0.46	2.05	1.76	82	BN	DO	GY	RD	-	7	-	-	-	-
4185 -	-	-	-	-	-	-	-	-	-	-	-	BN	BK	RD	-	-	-	-	-	-
4186 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4187 122	159	28	16	3947	1560	2387	0.40	2.59	1.33	82	BN	DO	GY	RD	-	7	-	-	-	-
4188 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4189 115	151	24	9	3147	1230	1917	0.39	2.37	1.79	82	BN	DO	GY	RD	-	7	-	-	-	-
4190 115	159	18	7	680	197	483	0.29	2.53	1.76	82	PI	DO	GY	RD	-	-	-	-	-	-
4191 115	148	24	14	3680	1283	2397	0.35	2.19	1.70	82	BN	DO.MA	BK	RD	-	-	-	-	-	-
4192 133	-	-	-	2803	948	1855	0.34	2.24	1.50	80	BN	DO.MA	BK	RD	-	7	-	-	-	-
4193 133	-	-	-	3838	1158	2680	0.30	2.38	1.73	80	BK	AB	AB	RD	-	7	-	-	-	-
4194 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4195 -	-	-	-	-	-	-	-	-	-	-	-	BN	GY	RD	-	-	-	-	-	-
4196 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4197 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4198 115	148	24	12	2913	1347	1566	0.46	2.09	1.66	82	BN	DO.MA	GY	RD	-	7	-	-	-	-
4199 133	-	-	-	3685	1040	2645	0.28	2.34	1.50	80	BK	AB	AB	RD	-	7	-	-	-	-
4200 133	-	-	-	4825	1375	3450	0.28	2.13	1.70	80	BN	DO.SP	OL	RD	-	7	-	-	-	-

ILL	TIF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	Pro%	CS	OS79	OS80	OS81
4201	133	-	-	-	4158	1475	2683	0.35	2.31	1.50	80	BN	DO.SP	OL.BK	RD	-	7	-	5	-
4202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4203	133	-	-	-	4393	1395	2998	0.32	2.09	1.73	80	BN	DO.MA	OL	RD	-	5	-	-	-
4204	133	-	-	-	5223	1043	4180	0.20	2.06	1.70	80	BN	DO.SP	OL.BN	RD	-	5	-	-	-
4205	133	-	-	-	4868	1410	3458	0.29	2.41	1.23	80	BN	DO.MA	OL.BK	RD	-	5	-	-	-
4206	133	-	-	-	5183	1650	3533	0.32	2.15	1.83	80	BN	DO.MA	OL.BN	RD	-	5	-	-	-
4207	119	151	25	12	2747	1237	1510	0.45	1.90	-	82	BK	AB	AB	RD	-	5	-	-	-
4208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
4209	115	148	23	11	2413	1073	1340	0.44	1.90	1.70	82	BN	DO.MA	GY	RD	-	-	-	-	-
421	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4211	133	-	-	-	4150	1500	2650	0.36	2.13	1.55	80	BN	DO.SP	OL.BN	RD	-	7	-	-	-
4212	115	148	19	8	2613	1167	1446	0.45	2.16	1.90	82	BN	DO.SP	GY	RD	-	7	-	-	-
4213	115	148	19	7	2480	1037	1443	0.42	2.09	1.83	82	BN	DO	GY	RD	-	5	-	-	-
4214	133	-	-	-	3785	1270	2515	0.34	2.38	1.73	80	BN	AB.SP	AB.GY	RD	-	7	-	-	-
4215	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
4216	125	163	28	16	5180	1790	3390	0.35	4.56	-	82	GN	AB.MA	AB.OL	YE	-	-	-	-	-
4217	133	-	-	-	3315	1120	2195	0.34	2.17	1.57	80	BN	DO.MA	BN.BK	RD	-	7	-	-	-
4218	115	148	22	11	1913	810	1103	0.42	2.09	1.66	82	BN	DO.MA	BK	RD	-	7	-	-	-
4219	133	-	-	-	3740	1243	2497	0.33	2.24	1.55	80	BN	DO.MA	GY.BN	RD	-	7	-	-	-
4220	133	-	-	-	4453	1513	2940	0.34	2.18	1.53	80	BN	DO.SP	OL.GY	RD	-	5	-	-	-
4221	133	-	-	-	4160	1373	2787	0.33	2.19	1.72	80	BN	DO.SP	OL.GY	RD	-	5	-	7	-
4222	133	-	-	-	4823	1663	3160	0.34	2.08	1.67	80	BN	AB.SP	AB.GY	RD	-	7	-	-	-
4223	119	159	22	11	3347	1000	2347	0.30	2.12	1.68	82	GY	AB	AB	RD	-	7	-	-	-
4224	133	-	-	-	4118	1485	2633	0.36	1.64	1.60	80	BN	DO.MA	OL.BK	RD	-	5	-	7	-
4225	133	-	-	-	4195	1395	2800	0.33	2.26	1.63	80	BN	DO.MA	OL.BK	RD	-	5	-	-	-
4226	119	157	23	10	3847	1480	2367	0.38	2.31	1.63	82	GY	MA	OL	RD	-	-	-	-	-
4227	119	159	22	9	3480	1057	2423	0.30	2.53	1.53	82	GY	AB.DO	AB.OL	RD	-	7	-	-	-
4228	133	-	-	-	3545	1003	2542	0.28	2.48	1.87	80	BN	DO.MA	OL.BK	RD	-	7	-	-	-
4229	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4230	127	168	25	15	3480	1040	2440	0.30	4.04	1.83	82	GN.PI	AB	AB	YE	-	7	-	-	-
4231	133	-	-	-	4793	1433	3360	0.30	4.22	1.67	80	GN.PI	AB	AB	YE	-	5	-	-	-
4232	122	155	28	18	3817	1490	2327	0.39	2.85	1.70	82	BN	DO.MA	GY	RD	-	5	-	-	-
4233	133	-	-	-	4195	1488	2707	0.35	2.43	1.53	80	BN	DO.SP	GY.BK	RD	-	7	-	-	-
4234	128	168	27	17	4380	1380	3000	0.32	2.98	1.71	82	GN	AB	AB	YE	-	5	-	-	-
4235	133	-	-	-	4335	965	3370	0.22	4.13	1.63	80	GN.PI	DO.SP	OL.BN	YE	-	5	-	5	-

ILL	TiFl	TiMa	Hgt	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
4236	133	-	-	-	5138	1660	3478	0.32	2.44	1.73	80	BN	DO,SP	GY,BN	RD	-	7	-	-	-
4237	133	-	-	-	5748	2055	3693	0.36	2.34	1.83	80	BN	DO,SP	OL,GY	RD	-	7	-	-	-
4238	133	-	-	-	4295	1440	2855	0.34	2.40	1.70	80	BN	DO,MA	OL,BN	RD	-	7	-	-	-
4239	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
424	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4241	-	-	-	-	-	-	-	-	-	-	-	BN	DO	BK	RD	-	-	-	-	-
4242	122	168	28	19	4513	1543	2970	0.34	5.16	1.65	82	GN,PI	AB	AB	YE	-	7	-	-	-
4243	133	-	-	-	4830	1630	3200	0.34	3.39	1.80	80	BK	AB	AB	RD	-	7	-	-	-
4244	-	-	-	-	-	-	-	-	-	-	-	GN,PI	AB	AB	YE	-	7	-	-	-
4245	126	168	28	18	2880	557	2323	0.19	4.53	1.92	82	GY	AB	AB	YE	-	-	-	-	-
4246	119	168	26	18	2880	787	2093	0.27	6.04	1.23	82	GN	AB	AB	YE	-	-	-	-	-
4247	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4248	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4249	133	-	-	-	4683	1670	3013	0.36	2.63	1.47	80	BN	DO,SP	BN,BK	RD	-	7	-	-	-
425	-	-	-	-	-	-	-	-	-	-	-	GN,PI	AB	AB	YE	-	7	-	-	-
4251	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4252	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
4254	126	163	34	17	5247	1660	3587	0.32	3.32	1.62	82	GN	AB	AB	YE	-	7	-	-	-
4255	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4256	126	168	34	19	4280	1043	3237	0.24	3.37	1.53	82	GN,PI	AB	AB	RD, YE	-	5	-	-	-
4257	119	157	27	17	3480	1380	2100	0.40	3.94	1.60	82	BN	DO	GY	RD	-	7	-	-	-
4258	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4259	115	148	25	10	2813	1100	1713	0.39	2.11	1.70	82	BN	DO,MA	BK	KL	-	7	-	-	-
426	-	-	-	-	-	-	-	-	-	-	-	BN	DO,MA	GY	RD	-	7	-	-	-
4261	113	148	24	10	2480	823	1657	0.33	2.06	1.70	82	BN	DO,MA	GY	RD	-	7	-	-	-
4262	119	157	31	17	4380	1433	2947	0.33	4.23	1.80	82	GN,PI	AB	AB	YE	-	5	-	-	-
4263	113	148	24	10	2813	1057	1756	0.38	4.00	1.82	82	GY	DO,MA	OL,BK	RD	-	7	-	-	-
4264	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
4265	148	-	-	-	3378	458	2920	0.14	3.75	1.48	80	PI	AR	AB	YE	-	5	-	-	-
4266	-	-	-	-	-	-	-	-	-	-	-	GN,PI	AB	AB	YE	-	7	-	-	-
4267	115	157	29	17	3447	1187	2260	0.34	4.42	1.42	82	GN,PI	DO,MA	OL	YE	-	7	-	-	-
4268	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
4269	115	148	20	10	2480	1163	1317	0.47	2.11	1.96	82	GY	DO	BK	RD	-	7	-	-	-
4270	115	148	23	12	2313	819	1494	0.35	2.08	1.80	82	BN	DO	BK	RD	-	7	-	-	-

ILL	TiFl	TiMa	Hgt	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
4271	113	148	22	11	2313	670	1643	0.29	2.05	1.64	82	BN	DO	GY	RD	-	7	-	-	-
4272	115	148	21	10	2013	857	1156	0.43	2.11	1.86	82	GY	CO	BK	RD	-	7	-	-	-
4273	113	148	23	11	3280	1500	1780	0.46	2.13	1.96	82	BN	DO,MA	GY	RD	-	7	-	-	-
4274	113	148	23	9	2813	1033	1780	0.37	2.20	1.96	82	BN	DO,MA	GY	RD	-	7	-	-	-
4275	113	148	22	10	2613	1117	1496	0.43	2.11	1.73	82	BN	DO,MA	GY	RD	-	7	-	-	-
4276	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
4277	115	159	17	7	1047	317	730	0.30	2.28	1.60	82	GY	DO,MA	BK	RD	-	7	-	-	-
4278	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4279	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4280	119	155	27	15	2713	1040	1673	0.38	2.41	1.63	82	BK	AB	AB	RD	-	5	-	-	-
4281	133	-	-	-	4370	1483	2887	0.34	2.74	1.63	80	BK	AB	AB	RD	-	7	-	-	-
4282	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4283	133	-	-	-	3578	1165	2413	0.33	3.01	1.75	80	BN	AB	AB	RD	-	7	-	-	-
4284	133	-	-	-	4168	1118	3050	0.27	2.71	1.83	80	BN	DO,SP	BK	RD	-	5	-	-	-
4285	128	168	23	15	2747	1067	1680	0.39	3.21	1.50	82	GY	AB	AB	YE	-	5	-	-	-
4286	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
4287	115	148	21	10	2813	1130	1683	0.40	1.94	1.53	82	GY	DO,MA	BK	RD	-	7	-	-	-
4288	126	-	-	-	3400	860	2540	0.25	2.84	1.69	80	BN	DO,SP	GY	RD	-	7	-	-	-
4289	115	148	21	12	3147	1453	1694	0.46	2.01	1.60	82	BN	DO	BK	RD	-	7	-	-	-
429	-	-	-	-	-	-	-	-	-	-	-	GN,PI	AB	AB	YE	-	3	-	-	-
4291	141	169	23	14	-	-	-	-	2.50	1.50	82	GN	AB	AB	YE	-	7	-	-	-
4292	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
4293	122	165	28	17	4380	587	3793	0.13	2.24	1.96	82	GN,PI	AB	AB	YE	-	7	-	-	-
4294	119	168	25	15	3747	1423	2324	0.38	3.52	1.75	82	GN,PI	AB	AB	YE	-	7	-	-	-
4295	142	-	-	-	4928	1088	3840	0.22	3.09	1.53	80	GN,PI	AB	AB	YE	-	7	-	-	-
4296	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
4297	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
4298	133	-	-	-	3993	1308	2685	0.33	2.13	1.57	80	BN	DO,SP	OL,GY	RD,YE	-	7	-	5	-
4299	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-
4300	125	168	30	20	4680	1550	3130	0.33	5.43	1.14	82	GN,PI	AB	AB	YE	-	3	-	-	-
4301	115	159	18	9	780	253	527	0.32	2.07	1.70	82	BN	DO	GY	RD	-	7	-	-	-
4302	115	148	19	8	2813	790	2023	0.28	1.93	1.73	82	BN	DO	GY	RD	-	7	-	-	-
4303	122	159	28	15	2647	1777	870	0.67	4.99	1.43	82	GN	AB	AB	YE	-	5	-	-	-
4304	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4305	125	172	22	15	1580	507	1073	0.32	3.45	1.34	82	GY	DO	OL	YE	-	7	-	-	-

ILL	TiFl	TiMa	Hat	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
4306	119	159	20	7	913	283	630	0.31	2.13	1.66	82	BN	DO,MA	GY	RD	-	7	-	-	-
4307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-
4309	133	-	-	-	3270	1053	2217	0.32	-	1.63	8	-	-	-	-	-	-	-	-	-
431	-	-	-	-	-	-	-	-	-	-	-	GY	DO	BN	RD	-	7	-	-	-
4311	115	157	23	11	3013	1170	1843	0.39	2.98	1.70	82	BN	DO	GY	RD	-	5	-	-	-
4312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
4313	122	172	33	19	1146	333	813	0.29	1.98	1.50	82	BN	AB,MA	AB,GY	RD	-	7	-	-	-
4314	133	-	-	-	3798	1090	2708	0.29	2.44	1.50	80	BN	DO,SP	GY,BK	RD	-	7	-	5	-
4315	133	-	-	-	3178	848	2330	0.27	2.52	1.80	80	BN	DO,SP	OL,GY	RD	-	7	-	-	-
4316	115	162	19	11	1047	293	754	0.28	2.28	1.70	82	BN	DO,MA	GY	RD	-	7	-	-	-
4317	115	148	23	10	3113	1230	1883	0.40	2.13	1.83	82	BN	DO	GY	RD	-	7	-	-	-
4318	133	-	-	-	3993	1130	2863	0.28	2.16	1.77	80	BN	DO,MA	OL,BK	RD	-	7	-	9	-
4319	138	-	-	-	3565	575	2990	0.16	4.55	1.33	80	PI	AB	AB	YE	-	3	-	-	-
432	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4321	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4322	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4323	133	-	-	-	3893	1090	2803	0.28	2.19	1.73	80	BN	DO,SP	OL,BN	RD	-	7	-	-	-
4324	115	148	23	12	3180	1477	1703	0.46	1.95	1.80	82	BN	DO	GY	RD	-	7	-	-	-
4325	133	-	-	-	3618	958	2660	0.26	2.40	1.70	80	BN	DO,SP	OL,BN	RD	-	7	-	-	-
4326	133	-	-	-	4473	1370	3103	0.31	2.54	1.57	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
4327	133	-	-	-	3283	1020	2263	0.31	2.19	1.57	80	BN	DO,MA	OL,BK	RD	-	7	-	-	-
4328	133	-	-	-	3475	1020	2455	0.29	2.70	1.53	80	BN	DO,SP	OL,BN	RD	-	7	-	-	-
4329	115	148	22	10	2513	947	1566	0.38	2.21	1.62	82	GY	DO,CD	BK	RD	-	7	-	-	-
4330	115	159	21	9	447	133	314	0.30	2.23	1.83	82	BN	DO	GY	RD	-	7	-	-	-
4331	133	-	-	-	3635	1180	2455	0.32	2.57	1.50	80	BN	DO,SP	OL,BN	RD	-	7	-	-	-
4332	115	148	20	10	3013	1200	1813	0.40	2.05	2.00	82	BN	DO,MA	BK	RD	-	7	-	-	-
4333	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4334	115	148	20	10	3080	1200	1880	0.39	1.86	1.90	82	BN	DO	GY	RD	-	7	-	-	-
4335	133	-	-	-	4300	1230	3070	0.29	2.29	1.47	80	BN	DO,MA	BN,BK	RD	-	7	-	-	-
4336	115	148	21	10	1707	870	837	0.51	2.18	1.89	82	BN	DO	BK	RD	-	7	-	-	-
4337	113	148	20	10	3147	1253	1894	0.40	2.04	1.83	82	BN	DO	GY	RD	-	7	-	-	-
4338	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
4339	113	148	23	13	2880	1243	1637	0.43	2.17	1.60	82	GY	DO	BK	RD	-	7	-	-	-
4340	133	-	-	-	5338	1330	4008	0.25	2.29	1.60	80	BN	DO	OL,BK	RD	-	7	-	-	-

ILL	TiF1	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	ColCol	ProZ	CS	0579	0580	0581
4341	115	148	23	12	3013	1297	1716	0.43	2.37	1.85	82	BN	DO	GY	RD	-	7	-	-	
4342	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	
4343	113	148	21	12	3513	1417	2096	0.40	2.32	2.00	82	BN	DO	GY	RD	-	7	-	-	
4344	115	151	23	10	3013	880	2133	0.29	2.21	1.78	82	BN	DO,MA	GY	RD	-	7	-	-	
4345	115	148	20	11	3280	1487	1793	0.45	2.24	1.56	82	BN	DO	GY	RD	-	5	-	-	
4346	115	148	21	10	2647	967	1680	0.37	2.14	-	82	BN	DO,MA	GY	RD	-	7	-	-	
4347	-	-	-	-	-	-	-	-	-	-	-	BK	AB	AB	RD	-	7	-	-	
4348	113	148	22	8	2480	1083	1397	0.44	2.25	1.89	82	BN	DO,MA	GY	RD	-	7	-	-	
4349	135	188	45	30	5065	-	-	-	6.57	1.07	79	GN	AB	AB	YE	-	7	-	-	
435	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4351	-	-	-	-	-	-	-	-	-	-	-	PI,BN	AB	AB	YE	-	-	-	-	
4352	-	-	-	-	-	-	-	-	-	-	-	GN,PI	AB	AB	YE	-	-	-	-	
4353	120	154	18	14	1480	575	905	0.39	2.16	1.73	79	BN	DO,SP	OL,BK	RD	-	7	-	-	
4354	120	168	27	12	3510	1430	2080	0.41	4.81	1.33	79	GN,PI	AB	AB	YE	-	5	-	-	
4355	133	-	-	-	3873	1215	2658	0.31	2.27	1.80	80	BN	DO,MA	OL,BN	RD	-	7	-	3	
4356	133	-	-	-	3530	1060	2470	0.30	2.90	1.59	80	BN	AB,SP	AB,OL	RD	-	7	-	-	
4357	133	-	-	-	3805	1310	2495	0.34	2.88	1.67	80	BN	DO,SP	OL,BN	RD	-	7	-	3	
4358	133	-	-	-	5750	1568	4182	0.27	2.66	1.64	80	BN	DO,SP	OL,BN	RD	-	7	-	5	
4359	133	-	-	-	4605	1358	3247	0.29	2.72	1.43	80	BN	DO,SP	OL,BN	RD	-	5	-	5	
4360	133	-	-	-	3230	618	2612	0.19	3.78	1.73	80	BN	DO	OL	RD	-	7	-	3	
4361	145	-	-	-	6363	1410	4953	0.22	5.12	1.20	80	GN,PI	AB	AB	YE	-	5	-	-	
4362	148	-	-	-	4490	685	3805	0.15	4.22	1.40	8	-	-	-	-	-	7	-	-	
4363	145	-	-	-	5203	1165	4038	0.22	5.08	1.20	80	GN,PI	AB	AB	YE	-	7	-	-	
4364	147	-	-	-	4118	740	3378	0.18	5.00	1.10	80	GN,PI	AB	AB	YE	-	7	-	-	
4365	133	-	-	-	6028	1980	4048	0.33	3.50	1.45	80	BN	DO,SP	GY	RD	-	7	-	9	
4366	119	163	26	16	4313	1740	2573	0.40	7.30	1.46	82	GN,PI	AB	AB	YE	-	3	-	-	
4367	133	-	-	-	4423	1445	2978	0.33	4.06	1.33	80	BN	AB	AB	YE	-	7	-	-	
4368	133	-	-	-	6090	1405	4685	0.23	7.08	1.00	80	PI	AB	AB	YE	-	3	-	-	
4369	-	-	-	-	-	-	-	-	-	-	-	BN	DO,MA	OL,BK	RD	-	-	-	-	
4370	122	159	26	15	5947	2000	3947	0.34	3.87	1.90	82	BN	CO	BK	RD	-	-	-	-	
4371	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4372	110	148	20	10	3213	1163	2050	0.36	2.21	-	82	BN	DO	BK	RD	-	-	-	-	
4373	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4374	115	157	23	12	3480	1453	2027	0.42	2.81	1.56	82	BN	DO	GY	RD	-	-	-	-	
4375	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
4376	115	157	22	10	3180	1360	1820	0.43	2.72	1.66	82	GY	DO	BK	RD	-	-	-	-	-
4377	115	148	20	9	2847	1457	1390	0.51	2.16	1.80	82	GY	DO	BK	RD	-	-	-	-	-
4378	-	-	-	-	-	-	-	-	-	-	-	GY	DO,MA	BK	RD	-	-	-	-	-
4379	-	-	-	-	-	-	-	-	-	-	-	-	DO,SP	-	RD	-	-	-	-	-
438	-	-	-	-	-	-	-	-	-	-	-	BN	DO,SP	GY,BK	RD	-	-	-	-	-
4381	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4382	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4383	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4384	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4385	125	165	30	17	5247	2313	2934	0.44	3.40	1.81	82	GN,PI	AB	AB	YE	-	-	-	-	-
4386	-	-	-	-	-	-	-	-	-	-	-	GN,PI	AB	AB	YE	-	-	-	-	-
4387	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4388	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4389	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
439	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4391	-	-	-	-	-	-	-	-	-	-	-	BN	DO,CO	BK	RD	-	-	-	-	-
4392	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4393	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4394	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4395	-	-	-	-	-	-	-	-	-	-	-	BN	DO,CO	BK	RD	-	-	-	-	-
4396	-	-	-	-	-	-	-	-	-	-	-	BN	DO,CO	BK	RD	-	-	-	-	-
4397	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4398	-	-	-	-	-	-	-	-	-	-	-	BN	DO,CO	BK	RD	-	-	-	-	-
4399	125	163	28	16	3880	1417	2463	0.37	3.87	1.42	82	PI	SP	BK	RD	-	5	-	-	-
4400	125	165	34	20	6265	2270	3995	0.36	6.85	-	79	GN,PI	AB,MA	AB,OL	YE	-	5	-	-	-
4401	125	163	27	13	4920	2080	2840	0.42	3.36	-	79	BN	AB,DO	AB,GY	RD	-	3	-	-	-
4402	-	-	-	-	-	-	-	-	-	-	-	BN	DO,SP	BK	RD	-	-	-	-	-
4403	-	-	-	-	-	-	-	-	-	-	-	BN	DO,SP	BK	RD	-	-	-	-	-
4404	-	-	-	-	-	-	-	-	-	-	-	BN	DO,SP	BK	RD	-	-	-	-	-
4405	-	-	-	-	-	-	-	-	-	-	-	BN	DO,SP	BK	RD	-	-	-	-	-
4406	-	-	-	-	-	-	-	-	-	-	-	BN	DO,SP	BK	RD	-	-	-	-	-
4407	-	-	-	-	-	-	-	-	-	-	-	BN	DO,SP	BK	RD	-	-	-	-	-
4408	122	168	31	17	3980	833	3147	0.21	2.77	1.65	82	GN	AB,MA	AB,OL	YE	-	-	-	-	-
4409	132	172	26	16	413	83	330	0.20	3.50	1.40	82	GN,PI	AB,MA	AB,OL	YE	-	-	-	-	-
4410	128	168	29	20	-	-	-	-	3.22	1.67	82	GN,PI	AB,MA	AB,OL	YE	-	-	-	-	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
4446	133	-	-	-	4693	1595	3098	0.34	2.94	1.93	80	BN	DO	GY	RD	-	-	-	9	-
4447	133	-	-	-	5203	1715	3488	0.33	2.66	1.33	80	BN	DO.SP	GY	RD	-	-	-	5	-
4448	133	-	-	-	4260	1550	2710	0.36	2.90	1.40	80	BN	DO	GY	RD	-	-	-	9	-
4449	133	-	-	-	4843	1750	3093	0.36	2.68	1.33	80	BN	DO	GY	RD	-	-	-	9	-
4450	133	-	-	-	3798	1338	2460	0.35	2.78	1.57	80	BN	DO	GY	RD	-	-	-	9	-
4451	119	157	22	11	4147	1447	2700	0.35	3.70	1.43	82	BN	DO.MA	GY	RD	-	-	-	-	-
4452	133	-	-	-	4950	1665	3285	0.34	2.78	1.70	80	BN	AB.DO	AB.GY	RD	-	-	-	9	-
4453	133	-	-	-	2850	1203	1647	0.42	2.65	1.43	80	BN	AB.SP	AB.GY	RD	-	-	-	9	-
4454	133	-	-	-	3875	1310	2565	0.34	3.18	1.40	80	BN	AB.SP	AB.GY	RD	-	-	-	9	-
4455	115	155	26	13	3480	1490	1990	0.43	3.66	-	82	BN	DO	GY	RD	-	-	-	-	-
4456	133	-	-	-	3875	1365	2510	0.35	3.02	1.57	80	BN	AB.SP	AB.GY	RD	-	-	-	9	-
4457	133	-	-	-	2890	1090	1800	0.38	3.05	1.43	80	BN	AB.SP	AB.GY	RD	-	-	-	9	-
4458	133	-	-	-	4220	1308	2912	0.31	3.49	1.48	80	BN	AB.SP	AB.GY	RD	-	-	-	9	-
4459	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
446	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4461	133	-	-	-	4293	1245	3048	0.29	2.59	1.76	80	BN	AB.SP	AB.GY	RD	-	-	-	9	-
4462	133	-	-	-	3985	1050	2935	0.26	3.06	1.33	80	BN	AB.SP	AB.GY	RD	-	-	-	7	-
4463	133	-	-	-	3168	918	2250	0.29	2.85	1.37	80	BN	AB.SP	AB.GY	RD	-	-	-	9	-
4464	133	-	-	-	4475	1313	3162	0.29	3.17	1.47	80	BN	DO	GY	RD	-	-	-	9	-
4465	133	-	-	-	3440	880	2560	0.26	2.72	1.45	80	BN	DO	GY	RD	-	-	-	9	-
4466	133	-	-	-	2170	398	1772	0.18	2.38	1.37	80	BN	DO	GY	RD	-	-	-	9	-
4467	119	157	28	13	3884	1476	2408	0.38	3.71	-	82	BN	DO	GY	RD	-	-	-	-	-
4468	133	-	-	-	3263	553	2710	0.17	2.71	1.36	80	BN	DO.SP	OL.BN	RD	-	-	-	-	-
4469	133	-	-	-	3458	830	2628	0.24	2.59	1.27	80	BN	DO.SP	OL.BN	RD	-	-	-	9	-
4470	133	-	-	-	3903	1250	2653	0.32	3.08	1.60	80	BN	DO.SP	OL.GY	RD	-	-	-	9	-
4471	133	-	-	-	2858	1048	1810	0.37	3.41	1.47	80	BN	AB.DO	AB.BN	RD	-	-	-	9	-
4472	133	-	-	-	3265	1123	2142	0.34	3.13	1.77	80	BN	DO.SP	OL.BN	RD	-	-	-	7	-
4473	133	-	-	-	3205	1065	2140	0.33	3.24	1.57	80	BN	DO	OL.BN	RD	-	-	-	7	-
4474	133	-	-	-	3473	1350	2123	0.39	3.21	1.30	80	BN	DO	OL.BN	RD	-	-	-	9	-
4475	133	-	-	-	3560	1318	2242	0.37	3.36	1.43	80	BN	DO.SP	OL.BN	RD	-	-	-	9	-
4476	133	-	-	-	-	-	-	-	2.97	1.45	-	BN	DO.SP	OL.BN	RD	-	-	-	9	-
4477	133	-	-	-	4208	1375	2833	0.33	2.95	1.50	80	BN	DO.SP	OL.BN	RD	-	-	-	9	-
4478	119	165	25	16	4180	1437	2743	0.34	7.68	1.13	82	GN	AB	AB	YE	-	-	-	-	-
4479	119	165	26	17	3713	1447	2266	0.39	7.71	1.13	82	GN.PI	AB.MA	AB.OL	YE	-	-	-	-	-
4480	133	-	-	-	4165	1495	2670	0.36	3.09	1.27	80	BN	DO.SP	OL.BN	RD	-	-	-	9	-

ILL	TiFl	TiMa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	OS79	OS80	OS81
4481	133	-	-	-	3900	1480	2420	0.38	2.93	1.24	80 BN	DO.SP	OL.BN	RD	-	-	-	9	-
4482	133	-	-	-	4065	2440	1625	0.6	3.01	1.62	80 BN	DO.SP	OL.BN	RD	-	-	-	7	-
4483	135	-	-	-	4505	1528	2977	0.34	2.68	1.53	80 BN	DO	OL.BN	RD	-	-	-	7	-
4484	119	157	25	17	4280	1417	2863	0.33	3.91	1.46	82 BN	DO.MA	GY	RD	-	-	-	-	-
4485	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4486	133	-	-	-	5698	1905	3793	0.33	2.76	1.76	80 BN	DO.SP	GY.BN	RD	-	-	-	9	-
4487	133	-	-	-	5855	1765	4090	0.30	2.87	1.60	80 BN	DO.SP	OL.BN	RD	-	-	-	9	-
4488	133	-	-	-	5540	1820	3720	0.33	2.77	1.60	80 BN	DO.SP	OL.BN	RD	-	-	-	7	-
4489	133	-	-	-	5850	1875	3975	0.32	2.77	1.87	80 BN	DO.SP	OL.BN	RD	-	-	-	7	-
4490	138	-	-	-	5490	1585	3905	0.29	2.62	1.83	80 BN	DO.SP	OL.BN	RD	-	-	-	7	-
4491	138	-	-	-	5203	1485	3718	0.29	2.62	1.73	80 BN	DO	BN	RD	-	-	-	9	-
4492	129	-	-	-	5745	1565	4180	0.27	2.68	1.67	80 BN	DO.SP	OL.BN	RD	-	-	-	5	-
4493	133	-	-	-	5430	1370	4060	0.25	2.75	1.80	80 BN	DO.SP	OL.BN	RD	-	-	-	7	-
4494	133	-	-	-	5615	1360	4255	0.24	2.77	1.63	80 BN	DO.SP	OL.BN	RD	-	-	-	7	-
4495	133	-	-	-	5383	340	5043	0.06	2.68	1.63	80 BN	DO	GY	RD	-	-	-	9	-
4496	133	-	-	-	5025	1235	3790	0.25	2.53	1.43	80 BN	DO.SP	OL.BN	RD	-	-	-	9	-
4497	139	-	-	-	4803	1155	3648	0.24	2.52	1.55	80 BN	DO.SP	OL.BN	RD	-	-	-	7	-
4498	119	157	25	11	3713	1700	2013	0.46	3.93	1.50	82 PI	AB.DO	AB.GY	RD	-	-	-	-	-
4499	115	157	26	13	4596	1484	3112	0.32	3.22	1.96	82 BN	DO.MA	GY	RD	-	-	-	-	-
4500	133	-	-	-	5158	1245	3913	0.24	2.39	1.65	80 BN	DO.SP	OL.BN	RD	-	-	-	-	-
4501	133	-	-	-	4100	1060	3040	0.26	2.51	1.40	80 BN	A3.DO	AB.GY	RD	-	-	-	-	-
4502	133	-	-	-	4443	1070	3373	0.24	2.43	1.40	80 BN	AB.DO.SP	AB.GY.BK	RD	-	-	-	-	-
4503	133	-	-	-	3425	750	2675	0.22	2.79	1.33	80 BN	AB.DO	AB.OL	RD	-	-	-	-	-
4504	133	-	-	-	3555	720	2835	0.20	2.48	1.31	80 BN	AB.DO.SP	AB.OL.BN	RD	-	-	-	-	-
4505	133	-	-	-	3493	790	2703	0.23	2.41	1.50	80 BN	DO	GY	RD	-	-	-	-	-
4506	133	-	-	-	3643	595	3048	0.16	2.84	1.30	80 BN	DO	GY	RD	-	-	-	-	-
4507	119	163	28	17	5080	1793	3287	0.35	8.62	1.10	82 GN.PI	AB.MA	AB.OL	YE	-	-	-	-	-
4508	119	163	27	19	4680	1813	2867	0.39	8.49	1.17	82 GN.PI	AB.MA	AB.OL	YE	-	-	-	-	-
4509	119	163	28	19	4213	1543	2670	0.37	-	1.43	82 PI	AB	AB	YE	-	-	-	-	-
4510	133	-	-	-	3425	890	2535	0.26	-	1.23	8	-	-	-	-	-	-	-	-
4511	133	-	-	-	4090	1060	3030	0.26	2.56	1.53	80 PI.BN	AB.DO.SP	AB.GY.BN	RD.YE	-	-	-	-	-
4512	133	-	-	-	5213	1640	3573	0.31	3.18	1.23	80 GN.PI	AB	AB	YE	-	-	-	-	-
4513	115	163	28	17	3847	1160	2687	0.30	7.49	1.00	82 GN.PI	AB.MA	AB.OL	YE	-	-	-	-	-
4514	119	163	28	17	4313	1840	2473	0.43	7.50	1.23	82 GN.PI	AB.MA	AB.OL	YE	-	-	-	-	-
4515	119	163	28	17	4147	1937	2210	0.47	8.08	1.00	82 GN.PI	AB.MA	AB.OL	YE	-	-	-	-	-

ILL	TiFl	TiNa	Hst	LPH	BiYd	SdYd	StYd	HI	100SW	Sd/Pd	Yr	TestaCol	Pattern	PatternCol	CotCol	ProZ	CS	0579	0580	0581
4516	-	-	-	-	-	-	-	-	-	-	-	GN.PI	AB.MA	AB.OL	YE	-	-	-	-	-
4517	133	-	-	-	5035	1205	3830	0.24	3.64	1.17	80	GN.PI	AB	AB	YE	-	-	-	-	-
4518	133	-	-	-	4078	1065	3013	0.26	2.63	1.43	80	BN	DO	GY	RD	-	-	-	-	-
4519	133	-	-	-	5350	1410	3940	0.26	2.73	1.63	80	BN	DO	GY	RD	-	-	-	-	-
4520	133	-	-	-	4645	1055	3590	0.23	2.66	1.60	80	BN	DO	GY	RD	-	-	-	-	-
4521	133	-	-	-	4958	1565	3393	0.32	3.48	1.57	80	GN.PI	AB	AB	RD.YE	-	-	-	-	-
4522	119	163	26	18	4213	1763	2450	0.42	8.04	1.06	82	GN.PI	AB.SP	AB.OL	YE	-	-	-	-	-
4523	115	165	26	16	4480	1857	2623	0.41	6.54	1.27	82	GN.PI	AB.MA	AB.OL	YE	-	-	-	-	-
4524	119	163	26	17	4747	1677	3070	0.35	7.84	1.07	82	GN.PI	AB	AB	YE	-	-	-	-	-
4525	119	163	27	17	4513	1590	2923	0.35	6.76	1.47	82	GN.PI	AB.MA	AB.OL	YE	-	-	-	-	-
4526	-	-	-	-	-	-	-	-	-	-	-	BN	AB.DO	GY	RD	-	-	-	-	-
4527	146	-	-	-	4488	1140	3348	0.25	3.50	1.60	80	BN	MA	BK	RD	-	-	-	-	-
4528	146	-	-	-	4188	1100	3088	0.26	3.58	1.75	80	BN	MA	BK	RD	-	-	-	7	-
4529	146	-	-	-	5725	1360	4365	0.24	3.59	1.53	80	BN	MA	BK	RD	-	-	-	9	-
4530	146	-	-	-	4270	1070	3200	0.25	3.71	1.31	80	BN	MA	OL.BK	RD	-	-	-	9	-
4531	146	-	-	-	3375	928	2447	0.27	3.42	1.03	80	BN	MA	OL.BK	RD	-	-	-	-	-
4532	146	-	-	-	4413	1250	3163	0.28	3.76	1.50	80	BN	MA	OL.BK	RD	-	-	-	-	-
4533	146	-	-	-	3708	835	2873	0.23	3.43	1.70	80	BN	MA	OL.BK	RD	-	-	-	9	-
4534	146	-	-	-	3553	588	2965	0.17	3.72	1.30	80	BN	MA	BN.BK	RD	-	-	-	-	-
4535	146	-	-	-	2718	550	2168	0.20	3.50	1.50	80	BN	MA	BN.BK	RD	-	-	-	-	-
4536	146	-	-	-	3950	765	3185	0.19	3.68	1.48	80	BN	MA	OL.BN	RD	-	-	-	-	-
4537	146	-	-	-	3775	780	2995	0.21	3.62	1.67	80	BN	MA	BN.BK	RD	-	-	-	-	-
4538	146	-	-	-	3005	573	2432	0.19	3.46	1.50	80	BN	MA	BN.BK	RD	-	-	-	-	-
4539	146	-	-	-	3430	618	2812	0.18	3.39	1.59	80	BN	MA	BN.BK	RD	-	-	-	-	-
4540	146	-	-	-	3840	413	3427	0.11	3.16	1.27	80	BN	MA	OL.BN	RD	-	-	-	-	-
4541	146	-	-	-	4085	713	3372	0.17	3.85	1.37	80	BN	DO.MA	GY.BN	RD	-	-	-	-	-
4542	146	-	-	-	3125	455	2670	0.15	3.41	1.30	80	BN	MA	OL.BK	RD	-	-	-	7	-
4543	146	-	-	-	4153	733	3420	0.18	3.59	1.55	80	BN	MA	BN.BK	RD	-	-	-	-	-
4544	146	-	-	-	3978	723	3255	0.18	3.35	1.40	80	BN	MA	BN.BK	RD	-	-	-	-	-
4545	146	-	-	-	3603	578	3025	0.16	3.38	1.27	80	BN	MA	OL.BN	RD	-	-	-	-	-
4546	146	-	-	-	3873	620	3253	0.16	2.75	1.48	80	BN	MA	OL.BN	RD	-	-	-	-	-
4547	146	-	-	-	5233	840	4393	0.16	3.11	1.47	80	BN	MA	OL.BN	RD	-	-	-	-	-
4548	151	-	-	-	5478	960	4518	0.18	2.95	1.67	80	BN	DO.SP	OL.BN	RD	-	-	-	-	-
4549	151	-	-	-	5533	738	4795	0.13	3.00	1.43	80	BN	DO.SP	OL.BN	RD	-	-	-	-	-
4550	122	163	30	19	3680	1990	1690	0.54	5.39	1.06	82	PI	AB	AB	RD	-	-	-	-	-



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