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BARLEY GERMPLASM CATALOG I
1986

GENETIC RESOURCES PROGRAM

B.H.Somaroo
Y.J.Adham

CEREAL IMPROVEMENT PROGRAM

M.S.Mekni

International Center for Agricultural Research
in the Dry Areas
ICARDA, P.O.Box 5466, Aleppo, Syria

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The International Center for Agricultural Research in the Dry Areas
ICARDA
P.O. Box 5466, Aleppo, Syria
Telex: 331206 SY; 331208 SY; 331263 SY
Telephone: 213433; 213477; 235220; 234890

DAMASCUS OFFICE

Hamed Sultan Bldg., First Floor
Abdul Kader Ghazali Str.,
Abu Roummaneh (Next to Al-Malki Circle)
P.O. Box 5908
Damascus, Syria
Tlx 412924 ICARDA SY
Tel 420482, 420483, 331455

TUNIS OFFICE

Immeuble Saadi, Route de l'Ariana
El-Menzah, Tour C-D, 7th Floor,
Appartment No. 25, Tunis
P.O. Box 84
2049 Ariana, Tunisia
Tlx 14066 ICARDA TN
Tel 230225

CAIRO OFFICE

15 G, Radwan Ibn El-Tabib Str.,
11th Floor, Giza,
P.O. Box 2416
Cairo, Egypt
Tlx 091-21741 ICARD UN
Tel 728099, 723564, 724358

AMMAN OFFICE

Faculty of Agriculture,
Jordan University,
P.O. Box 5008
Amman, Jordan
Tlx 21629 UNVJ JO
Tel 843555 Extension 2579

BEIRUT OFFICE

Dalia Bldg., 2nd Floor,
Rue Bashir El-Kassar,
P.O. Box 114/5055
Beirut, Lebanon
Tlx 22509 LE
Tel 813303, 804071

QUETTA OFFICE

c/o Arid Zone Research Institute,
Pakistan Agriculture Res. Council,
P.O. Box 362
Quetta, Pakistan
Tlx 7836 CTO QT PK
Tel 73248

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FOREWORD

The International Center for Agricultural Research in the Dry Areas (ICARDA) recognizes the importance of germplasm resources for the welfare of mankind and the need to ensure their constant and unrestricted availability to increase the productivity of the major food crops. To fulfill this need, the Genetic Resources Program was established to collect, evaluate, catalogue and preserve the Center's germplasm for current and future use. Within the framework of the Consultative Group for International Agricultural Research, ICARDA has international responsibility for the improvement of barley, faba beans and lentils and a regional responsibility for the improvement of wheat and chickpeas in the drier areas. This mandate dictates its germplasm policy.

Barley is the most important crop in dry areas especially in countries of West Asia and North Africa. The yield gap between potential and actual production is very wide. The registration and recording of passport data of the ICARDA barley germplasm collection, and the evaluation and documentation of economically important traits will enhance immeasurably the effective utilization of these diverse germplasm in breeding programs, and that should result in bridging the yield gap.

In pursuing the objective to provide breeders with germplasm material characterized for important traits, 8000 entries of spring and winter habit barley from 45 countries were evaluated for descriptors which include quality parameters and morphological, physiological and other characters. The evaluation at the main ICARDA research station at Aleppo revealed wide genetic variability for most of the traits studied.

Our barley program has effectively exploited this collection over the years to develop germplasm targeted to many diverse agro-ecological zones in the dry areas. Scientists in this program are successfully recombining various mechanisms of ecological and adaptability significance (e.g. earliness, stress requirements and tolerance, growth habit, etc.) to sustain yield stability and increase production. It is hoped that the compilation of information on barley genetic resources in this catalog will further extend the use of our germplasm to national, regional and international breeding programs adding a new dimension to barley improvement programs globally.

It is my sincere desire that this catalog will strengthen the resolve and motivation of dedicated barley scientists and provide them with an additional tool to produce more efficient and productive cultivars.



Mohamed A. Nour,
Director General.

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INTRODUCTION

The International Center for Agricultural Research in the Dry Areas (ICARDA) has the world mandate for the improvement of barley (*Hordeum vulgare* L. emend. Bowden). Located in the dry areas where barley is of major significance to the livelihood of millions of rural families, ICARDA has devoted considerable resources to the development of its barley germplasm collection for the continuing improvement of this crop.

The collection assembled from the regions of origin and diversity of the crop and from other barley growing areas worldwide, exceeds 18,000 accessions. New accessions of cultivars, landraces, wild and related species and breeding-stocks are added annually to the collections which are preserved at the main research station at Tel Hadya.

Samples of barley germplasm in storage are of no immediate application in breeding programs without information on their origin and genetic characteristics. Data on the origin of the germplasm and other passport information as well as characterization and evaluation information enable the research scientist to identify and select genetically diverse materials that best suit his requirements. A catalog with appropriate documentation of the accessions serves as a fast, reliable and efficient means of disseminating pertinent information to enhance the utilization of barley germplasm.

In this catalog are listed 8000 barley germplasm accessions with information on their country of origin and the documentation of evaluation data on twenty two different agro-morphological, physiological and other traits. The germplasm was obtained from the United States Department of Agriculture (U.S.D.A.), Beltsville, Maryland, and represents genetic material originating from 45 countries. About 30 percent of the germplasm are from Ethiopia, a country well-known for the genetic diversity of barley. Cultivars and land races from United States of America (11.1 percent), Germany (10.6 percent), Turkey (8.9 percent), Switzerland (8.4 percent), Colombia (7 percent), Yugoslavia (3.4 percent) and the Union of Soviet

Socialist Republics (3.1 percent) represent the major portion of the remaining entries.

Field evaluation was carried out under rainfed conditions at Tel Hadya. A total of 3000 accessions were evaluated in the 1982-1983 growing season, and an additional 5000 accessions were evaluated in 1983-1984. The data were recorded using the format of the IBPGR descriptor list (AG PG:IBPGR 182/49), 1982. Field observations included growth habit, growth class, plant height, days to heading, number of kernel rows, spike density, number of spikelet groups per spike, hoodedness or awnedness, awn roughness, days to maturity, awn colour, glume colour, stem colour, tillering and resistance to lodging. Complementary laboratory data were taken on the length of rachilla hairs, kernel covering, lemma colour, grain colour and 1000-kernel weight. Representative samples of each accession were analyzed for protein content and lysine/protein ratio.

The evaluation data were analyzed for the two-rowed and six-rowed barleys, for different growth classes and for different years. The choice of this classification was dictated by the existence of strong regional preferences. Generally six-rowed barley is preferred in North Africa whereas two-rowed types are dominant in West Asia; the growth class classification (winter, facultative and spring types) was followed because it limits the agroecological use and adaptation of the germplasm accessions.

The passport and evaluation data were computerized using the ICARDA VAX-11/780 computing facility. ICARDA's database management system (ICADET), was used for data management including data entry, editing, storage and retrieval. Data analyses were carried out using another ICARDA package, the Crop Research Integrated Statistical Package (CRISP) the early version of which, was obtained from the International Crop Research Institute for the Semi-Arid Tropics (ICRISAT). Special modules developed for CRISP at ICARDA, were used for the analyses and summarization of the genetic resources data. The text was produced camera-ready by laser printing equipment also available at the Computer Center.

GUIDELINES FOR CATALOG USE

The catalog contains information which is organized to permit ready access to the following:

1. The passport and evaluation data of individual accessions.
2. A statistical summary defining each evaluation descriptor and its various descriptor states. The analyses are repeated by year for the two-rowed and six-rowed barleys and for different growth classes.
3. Histograms which show the range and frequency distribution of different characters and hence the genetic diversity available in the germplasm.
4. A listing of accessions whose values for different agronomic characters fall at the upper and lower extremes of the values recorded for each of the character.
5. The maxima, minima, means and standard deviations of seven agronomic descriptors based on the country of origin of the accessions.
6. A correlation matrix of the evaluation data to assist in querying the data base and identifying accessions with specific traits.

Querying the data base

Examples of simple queries for individual traits are given at the end of Tables 13-20 and 24-29. In the case of Tables 17 and 18, a simple query is made to identify tall winter type accessions, a search reveals that there are 20 entries with plant height greater than 120 cm.

More complex queries can be made to obtain a set of accessions which meet the desired specifications of the research scientist. For example, a request

for winter type accessions with days to maturity less than 180 days, plant height between 70 and 80 cm and 1000-kernel weight greater than 35 g., can be easily met. Questions can be formulated to query intelligently the data base in the following manner:

Question 1

How many winter type accessions are present in the collection?

Answer : 1635 accessions.

Question 2

Among these 1635 accessions, how many have days to maturity less than 180 days?

Answer : 497 accessions identified.

Question 3

How many of the 497 accessions identified above have plant height between 70 and 80 cm?

Answer : 46 qualify.

Question 4

Are these accessions among the 46 selected which have 1000-kernel weight greater than 35 g?

Answer : 15 entries listed by accession numbers.

Also, the correlation between the different characters (Table 33) can be used in conjunction with the data base to seek accessions with two or more specific traits. For example, it can be seen from the table that there is a limited number of accessions which are early and tall since plant height is highly correlated with days to maturity ($r=0.83$). From this table, it can be seen also, that early heading and early maturing accessions are generally short and have lower protein content.

The analyses of the evaluation data by country of origin (Tables 34, 35)

enable the breeder to identify countries which could be the sources for specific traits. For example, accessions with high protein content could be identified among the material originating from Ethiopia, Switzerland, Morocco and USA. In filling genetic gaps in a barley germplasm collection, for example, for high protein content, it would be worthwhile for the germplasm specialist to seek germplasm from Ethiopia, Morocco and Switzerland.

AVAILABILITY OF GERMPLASM

It has been shown that any specific set of accessions can be selected on the basis of the passport and evaluation data presented in this catalog. Should a research scientist find it difficult to identify which accessions are most suitable for him, then a request which specifies the traits desired, would make it possible for a query to be made to the database. The Genetic Resources Unit (GRU) of ICARDA would be pleased to meet such requests.

Seeds of accessions are available from the Genetic Resources Unit. When requesting germplasm accessions from the Center's genebank, both the ICB and the IG numbers must be clearly indicated. There are several thousand accessions in the active collection and it is possible to maintain only limited quantities of seeds of individual accessions. The multiplication and the packaging of seeds for despatch are quite demanding in terms of resources. ICARDA is therefore able to fulfill requests for seeds sufficient for small plots.

PASSPORT INFORMATION

A listing of the number of accessions evaluated from each of 45 countries is given in Table 1. These 8000 accessions come from a part of a barley germplasm collection of 12138 entries obtained from the Small Grains Collection, U.S.D.A., Beltsville, Maryland, USA. The passport data of these accessions are not extensive although some additional information were obtained from the U.S.D.A. Plant Inventory publications. It was not possible in many instances to clearly ascertain from which country some of the accessions were collected. While complete passport information with a detailed description of the ecological profile for each accession is highly desirable, the shortcoming of having unavailable, extensive passport data, should not detract from the value of this catalog; the comprehensive evaluation data compiled in this catalog could effectively promote the utilization of the germplasm by barley breeders.

Passport descriptors

The following passport descriptors with their abbreviations were recorded for the accessions (Section 2):

IG ACCESSION NUMBER (IG)

This is the ICARDA Germplasm accession number. An IG accession number is assigned to each germplasm entry, regardless of the crop, when it is registered in genebank collection for medium or long term storage. This number serves as the reference identifier for the accession in the ICARDA genebank.

ICB BARLEY ACCESSION NUMBER (ICB)

The ICARDA Barley accession number was originally given to each entry by barley breeders of the Cereal Improvement Program prior to the establishment of the Genetic Resources Unit at ICARDA. To avoid

confusion, these numbers are retained as cooperating scientists in the ICARDA region and elsewhere are already familiar with the ICB numbers which have been used to identify ICARDA barley germplasm.

DONOR NUMBER (PI/CI)

This is the number given to an accession by the donor organization. In this catalog, the U.S.D.A. Plant Inventory Number (PI) and/or the U.S.D.A. Cereal Investigation number (CI) was used since the germplasm was obtained from the U.S.D.A. collection.

SCIENTIFIC NAME (SC.NAME)

Genus and species of the accession.

OTHER NUMBERS OR NAMES OF CULTIVARS ASSOCIATED WITH THE ACCESSION (OTH.ACC NO/CULTIVAR).

Any other identification number known to exist in other collections for a particular accession.

COUNTRY OF ORIGIN (ORI)

The country where the accession was collected.

PROVINCE (PROVINCE)

Name of the administrative subdivision of the country in which the sample was collected.

DONOR COUNTRY (SOURCE)

The name of the country which supplied the accession to U.S.D.A.

Table 1. Frequency table of accessions by country of origin.

Country Code Name	Number of accessions	Frequency (%)
AFG Afghanistan	52	0.65
ARG Argentina	2	0.02
AUS Australia	3	0.03
AUT Austria	29	0.36
BGR Bulgaria	26	0.32
BOL Bolivia	3	0.03
CAN Canada	88	1.10
CHE Switzerland	676	8.45
CHL Chile	3	0.03
CHN China	20	0.25
COL Colombia	567	7.08
CSK Czechoslovakia	1	0.01
DEU Germany	852	10.65
DNK Denmark	13	0.16
DZA Algeria	1	0.01
ECU Ecuador	1	0.01
ETH Ethiopia	2471	30.88
FIN Finland	11	0.13
FRA France	14	0.17
GBR United Kingdom	11	0.13
GRL Greenland	1	0.01
IND India	4	0.05
IRN Iran	3	0.03
ITA Italy	4	0.05
JOR Jordan	1	0.01
JPN Japan	62	0.77
KEN Kenya	1	0.01
LBY Libya	1	0.01
MAR Morocco	101	1.26
NLD Netherlands	6	0.07
NPL Nepal	19	0.23
PAK Pakistan	86	1.07
PER Peru	6	0.07
POL Poland	8	0.10
ROM Romania	15	0.18
SAU Saudi Arabia	2	0.02
SUN Union of Soviet Socialist Republics	249	3.11
SWE Sweden	17	0.21
TUN Tunisia	92	1.15
TUR Turkey	716	8.95
UAR United Arab Republics	1	0.01
URY Uruguay	1	0.01
USA United States	891	11.13
YUG Yugoslavia	275	3.43
ZAF South Africa	126	1.57
UNK Unknown	468	5.85

EVALUATION DATA

Introduction

The field evaluation of the accessions was conducted at Tel Hadya, N.Syria under rainfed conditions. Tel Hadya is located about 30 km south of Aleppo, and situated at 36° 05'N; 36° 55'E. The altitude is 290 m above sea level. The soils are calcareous heavy luvisols (Terra Rossa) with montmorillonitic clays as the main minerals. They are low in organic matter (1.0 percent) and in available phosphorus (average available phosphorus at 0-20 cm soil depth is 5 ppm while at 20-40 cm, it is about 3.3 ppm). Soil pH is 8.0-8.1.

The climate is Mediterranean with an overall average annual rainfall of 350 mm occurring mainly between November and May. The rainfall recorded for the 1983 and 1984 cropping seasons were 324.4 mm and 230.1 mm, respectively. The wettest months were December, February and March in the 1983 season and November and January in the 1984 season. The climatological data for this period are summarized in Figure 1. Seeds were sown at the end of November and early December in both cropping seasons. Experimental details are given in Table 2.

Data on 22 quantitative and qualitative characters, were recorded using the format of the IBPGR barley descriptor list (AGPG:IBPGR 182/49, April 1982). A listing of the traits with their abbreviations are shown below.

Growth habit	GHA
Growth class	GCL
Kernel row number	RNO
Awn colour	ACO
Awn roughness	ARG
Kernel covering	KCV
Rachilla hair length	RHL
Glume colour	GCO
Lemma colour	LCO
Grain colour	KCO
Number of days to heading	DHE
Number of days to maturity	DMA

Plant height	PLH
Number of spikelet groups per spike	SGS
Spike density	SDE
Stem colour	SCO
Hoodedness or awnedness	H/A
Thousand-kernel weight	KWT
Percentage protein content	PRO
Lysine/protein ratio	LYS
Tillering	TIL
Resistance to lodging	LOD

The procedures for making observations of the descriptor states and recording measurements for the descriptors precede each table with the summary statistics. The evaluation data were analyzed for each growing season. The data for each season were analyzed, character by character for (a) all the accessions (b) the two-rowed and the six-rowed barleys and (c) the winter, facultative and spring growth classes. Statistical analyses were conducted to determine the maximum and minimum values, the range, the variance, the coefficient of variance, and the kurtosis and skewness of the different descriptors. Kurtosis is a measure of the degree of peakedness or flatness relative to a normal distribution. For a normal distribution, the kurtosis value is 3; a flat curve would have a value less than 3 and a peaked curve a value greater than 3. A positively skewed curve is skewed to the right, that is, there is a tail to the right counterbalanced by many observations whose values are less than, but close to the mean. A negatively skewed curve is the opposite to this. A normal curve has a skewness equal to zero. Histograms which show the range and frequency distribution of different characters were prepared to illustrate the genetic diversity available in the germplasm.

Simple correlation analysis of thirteen important agronomic traits and determination of the mean, maximum and minimum values and the standard deviation of seven agronomic traits by country of origin were carried out to indicate the geographical differences of the distribution of the traits. The distribution of the variation of 15 phenotypic characters were also examined in the germplasm from 18 countries.

Figure 1- Seasonal Variation In Precipitation, Total Evaporation, Minimum Temperature, Maximum Temperature and Relative Humidity at Tel Hadya, Aleppo, during 1982-1984 Cropping Seasons

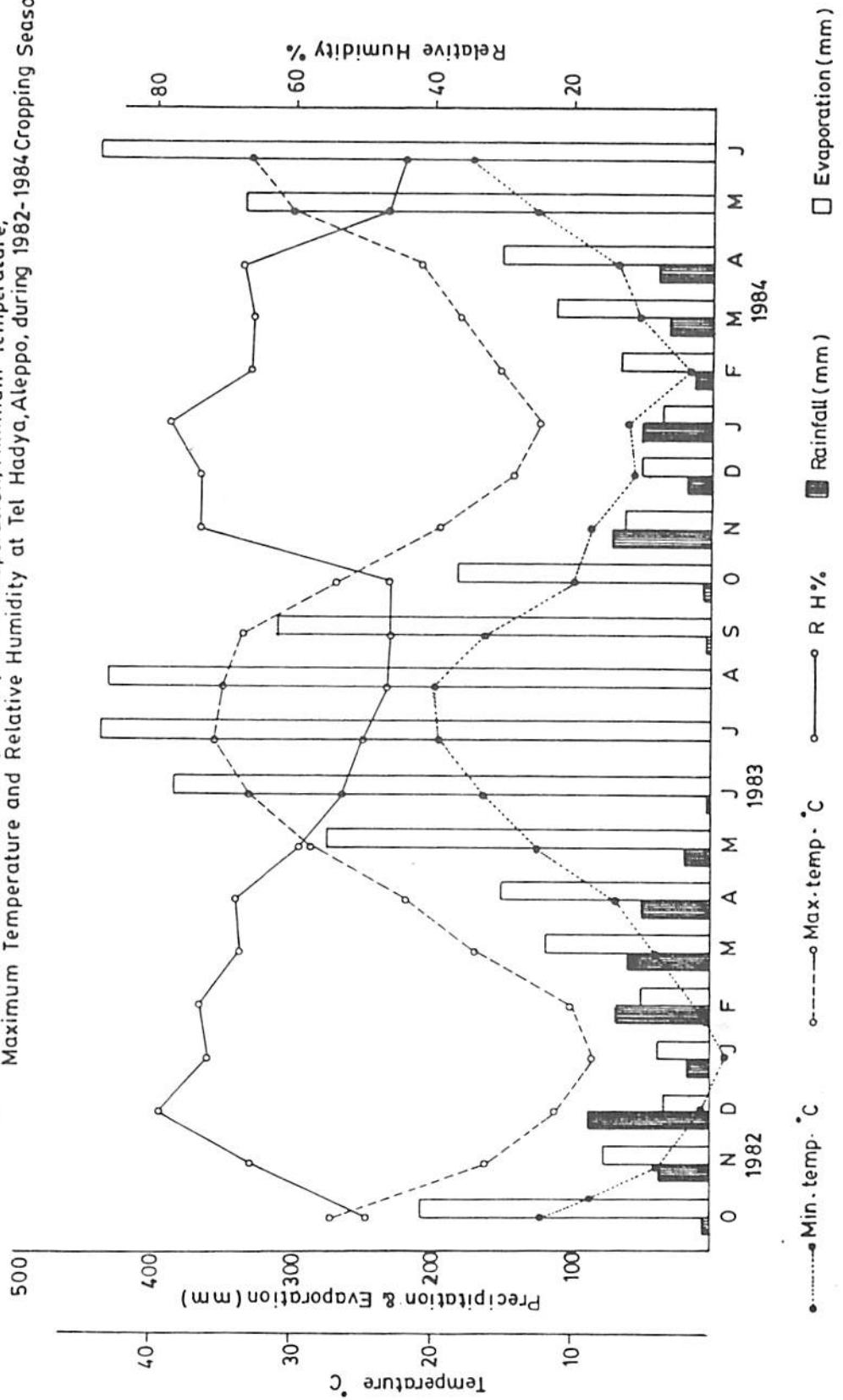


Table 2. Field operations

	Season	
	1982-1983	1983-1984
Number of accessions	3000	5000
Date of sowing	14/11/1982	27/11/1983
Date of first rainfall	19/11/1982	6/12/1983
Row length (m)	2.5	2.5
Number of rows/plot	1	4
Distance between rows (cm)	30	30
Plant density (plants/m ²)	270	270
Nitrogen applied (kg/ha)	40	40
P ₂ O ₅ applied (kg/ha)	40	40
Brominal herbicide (litre/ha)	1.5	-
Illoxan herbicide (litre/ha)	3.0	-

Growth habit (GHA)**Descriptor states:**

Erect (scored 1), intermediate (scored 2) and prostrate (scored 3) (Table 3).

Table 3. Summary of statistics on growth habit.

Descriptor state		All accessions	Kernel row number		Growth class .		
			2R	6R	W	F	S
1	No. of acc.	1374	730	644	46	72	1253
	Freq. %	23.7	26.5	21.2	3.4	9.4	34.3
2	No. of acc.	3283	1613	1670	458	582	2241
	Freq. %	56.7	58.6	54.9	33.6	75.8	61.3
3	No. of acc.	1136	408	728	859	114	163
	Freq. %	19.6	14.8	23.9	63.0	14.8	4.5
Total							
	No. of acc.	5793	2751	3042	1363	768	3657

Growth class (GCL)**Descriptor states:**

Winter (scored 1), facultative (scored, 2) and spring (scored 3) (Table 4).

Table 4. Summary of statistics on growth class.

Descriptor state		All accessions	Kernel row number	
			2R	6R
1	No. of acc.	1636	377	1259
	Freq. %	20.8	11.5	27.5
2	No. of acc.	1064	376	688
	Freq. %	13.5	11.4	15.0
3	No. of acc.	5169	2537	2632
	Freq. %	65.7	77.1	57.5
Total				
	No. of acc.	7869	3290	4579

Kernel row number (RNO)**Descriptor states:**

Six-rowed (scored 1), two-rowed, large or small sterile lateral florets (scored 2) and two-rowed, rudimentary sterile lateral florets (scored 3) (Table 5).

Table 5. Summary of statistics on kernel row number.

Descriptor state	All		Growth class		
		accessions	W	F	S
1	No. of acc.	4582	1259	688	2632
	Freq. %	59.6	77.5	67.3	52.3
2	No. of acc.	2333	351	288	1693
	Freq. %	30.4	21.6	28.2	33.7
3	No. of acc.	767	14	47	703
	Freq. %	10.0	0.9	4.6	14.0
Total					
	No. of acc.	7682	1624	1023	5028

Awn colour (ACO)**Descriptor states:**

White (scored 1), yellow (scored 3), brown (scored 5), reddish (scored 7) and black (scored 9) (Table 6).

Table 6. Summary of statistics on awn colour.

Descriptor state	All		Kernel row number		Growth class		
		accessions	2R	6R	W	F	S
1	No. of acc.	2392	883	1509	931	349	1110
	Freq. %	30.8	27.0	33.5	58.0	33.4	21.7
3	No. of acc.	2449	926	1523	329	307	1810
	Freq. %	31.5	28.3	33.8	20.5	29.4	35.4
5	No. of acc.	2075	1025	1050	301	290	1480
	Freq. %	26.7	31.3	23.3	18.8	27.8	28.9
7	No. of acc.	562	304	258	38	81	441
	Freq. %	7.2	9.3	5.7	2.4	7.8	8.6
9	No. of acc.	299	133	166	6	18	275
	Freq. %	3.8	4.1	3.7	0.4	1.7	5.4
Total							
	No. of acc.	7777	3271	4506	1605	1045	5116

Awn roughness (ARG)**Descriptor states:**

Smooth (scored 1) and rough (scored 2)(Table 7).

Table 7. Summary of statistics on awn roughness.

Descriptor state		All accessions	Kernel row number		Growth class		
			2R	6R	W	F	S
1	No. of acc.	519	170	349	198	88	232
	Freq. %	6.7	5.2	7.7	12.3	8.4	4.5
2	No. of acc.	7248	3092	4156	1412	959	4870
	Freq. %	93.3	94.8	92.3	87.7	91.6	95.5
Total							
	No. of acc.	7767	3262	4505	1610	1047	5102

Kernel covering (KCV)**Descriptor states:**

Naked grains (scored 1) and covered grains (scored 2)(Table 8).

Table 8. Summary of statistics on kernel covering.

Descriptor state		All accessions	Kernel row number		Growth class		
			2R	6R	W	F	S
1	No. of acc.	393	119	274	53	62	277
	Freq. %	5.0	3.6	6.0	3.3	5.9	5.4
2	No. of acc.	7429	3156	4273	1569	990	4864
	Freq. %	95.0	96.4	94.0	96.7	94.1	94.6
Total							
	No. of acc.	7822	3275	4547	1622	1052	5141

Rachilla hair length (RHL)**Descriptor states:**

Short (scored 1) and long (scored 2)(Table 9).

Table 9. Summary of statistics on rachilla hair length.

Descriptor state		All accessions	Kernel row number		Growth class		
			2R	6R	W	F	S
1	No. of acc.	4664	1635	3029	1054	710	2894
	Freq. %	59.5	49.9	66.4	64.9	66.9	56.2
2	No. of acc.	3176	1641	1535	570	352	2253
	Freq. %	40.5	50.1	33.6	35.1	33.1	43.8
Total							
No. of acc.		7840	3276	4564	1624	1062	5147

Glume colour (GCO)**Descriptor states:**

White (scored 1), yellow (scored 3), brown (scored 5), black (scored 7) all others (scored 9)(Table 10).

Table 10. Summary of statistics on glume colour.

Descriptor state		All accessions	Kernel row number		Growth class		
			2R	6R	W	F	S
1	No. of acc.	1439	633	806	439	184	816
	Freq. %	18.8	20.0	18.0	27.9	17.9	16.2
3	No. of acc.	4193	1837	2356	819	623	2746
	Freq. %	54.9	58.1	52.6	52.1	60.7	54.5
5	No. of acc.	460	44	416	187	76	197
	Freq. %	6.0	1.4	9.3	11.9	7.4	3.9
7	No. of acc.	813	338	475	36	68	709
	Freq. %	10.6	10.7	10.6	2.3	6.6	14.1
9	No. of acc.	735	309	426	91	76	568
	Freq. %	9.6	9.8	9.5	5.8	7.4	11.3
Total							
No of acc.		7640	3161	4479	1572	1027	5036

Lemma colour (LCO)**Descriptor states:**

White/brown (scored 1) and purple or black (scored 2)(Table 11).

Table 11. Summary of statistics on lemma colour.

Descriptor state		All accessions	Kernel row number		Growth class		
			2R	6R	W	F	S
1	No. of acc.	6992	2878	4114	1583	988	4409
	Freq. %	89.4	87.9	90.4	97.6	93.9	85.9
2	No. of acc.	830	395	435	39	64	723
	Freq. %	10.6	12.1	9.6	2.4	6.1	14.1
Total							
	No. of acc.	7822	3273	4549	1622	1052	5132

Grain colour (KCO)**Descriptor states:**

White (scored 1), blue (scored 2), black (scored 3), others (scored 4) and mixture (scored 5)(Table 12).

Table 12. Summary of statistics on grain colour.

Descriptor state		All accessions	Kernel row number		Growth class		
			2R	6R	W	F	S
1	No. of acc.	921	324	597	403	141	377
	Freq. %	12.4	10.3	14.0	25.3	14.2	7.8
2	No. of acc.	1708	529	1179	375	247	1085
	Freq. %	23.1	16.9	27.6	23.6	24.9	22.5
3	No. of acc.	737	331	406	25	54	657
	Freq. %	10.0	10.5	9.5	1.6	5.4	13.6
4	No. of acc.	3873	1890	1983	780	538	2553
	Freq. %	52.3	60.2	46.5	49.0	54.2	53.0
5	No. of acc.	165	65	100	8	12	143
	Freq. %	2.2	2.1	2.3	0.5	1.2	3.0
Total							
	No. of acc.	7404	3139	4265	1591	992	4815

Days to heading (DHE)

Counted as the number of days from the first day of rainfall which was sufficient for germination to the day when 50% of the heads were fully exerted from the boot, or, when 100% of the heads were half-way out of the boot (Tables 13,14 and Figures 2,3).

Table 13: Summary of statistics on days to heading.
Season: 1982 - 1983

	All	Kernel row number		Growth class		
	accessions	2R	6R	W	F	S
Mean	138.56	136.85	139.46	145.64	138.66	132.85
Maximum	167	167	167	167	167	159
Minimum	105	107	105	115	105	107
Range	62	60	62	52	62	52
Variance	86.78	55.52	99.44	61.41	59.50	43.26
CV(%)	6.72	5.45	7.15	5.38	5.56	4.95
Kurtosis	0.06	0.002	-0.16	0.66	1.30	0.73
Skewness	0.32	0.23	0.23	0.15	-0.07	0.32
No. of acc.	2994	992	1983	1121	470	1400

Table 14: Summary of statistics on days to heading.
Season: 1983 - 1984

	All	Kernel row number		Growth class		
	accessions	2R	6R	W	F	S
Mean	129.76	130.59	129.06	142.17	135.79	127.15
Maximum	172	172	170	172	151	156
Minimum	106	113	106	116	119	106
Range	66	59	64	56	32	50
Variance	72.49	73.85	71.54	79.54	28.94	45.22
CV(%)	6.56	6.58	6.55	6.27	3.96	5.29
Kurtosis	1.04	-0.06	2.28	1.11	0.22	0.33
Skewness	0.86	0.54	1.17	0.63	-0.002	0.75
No. of acc.	4856	2100	2592	503	587	3761

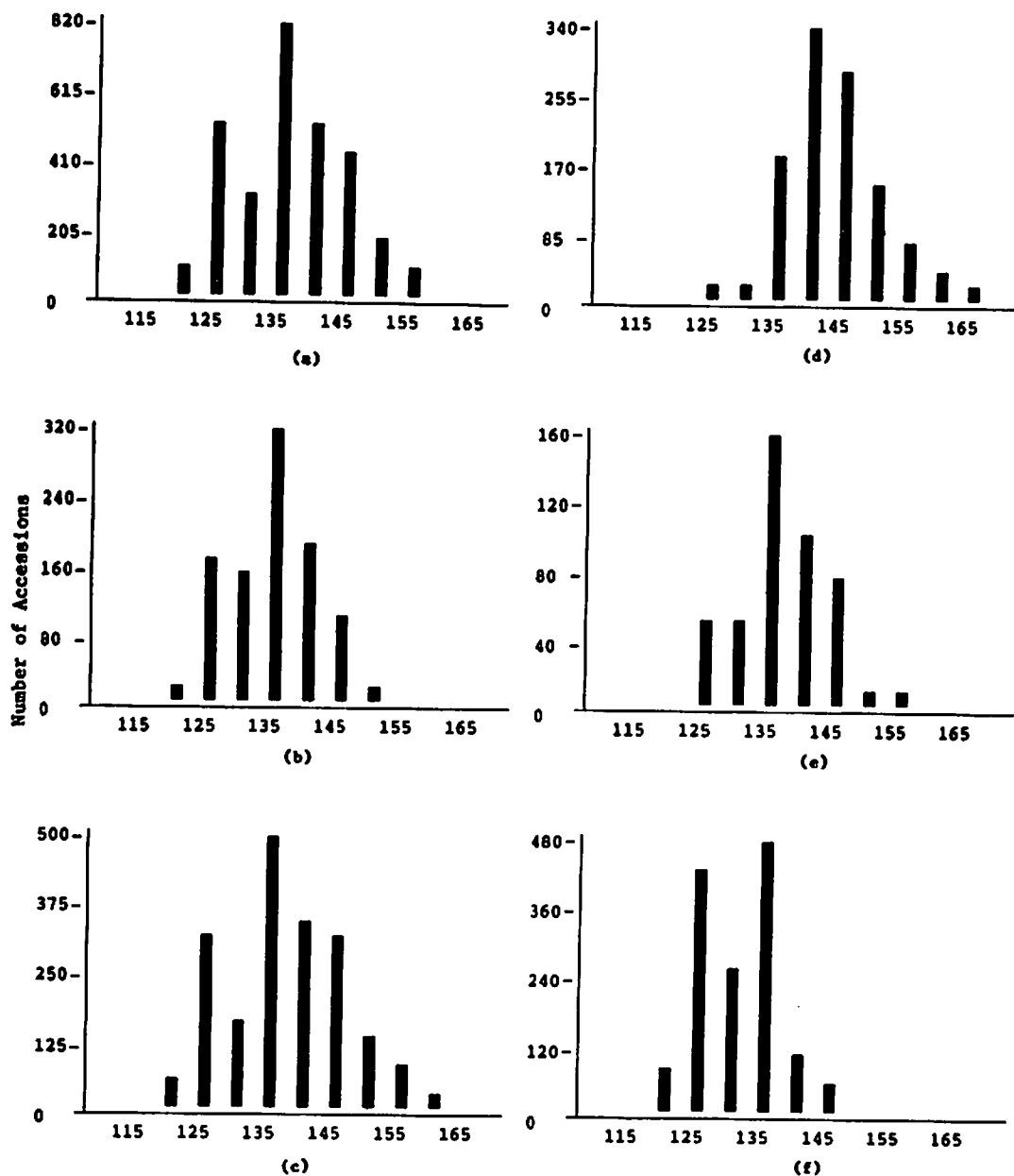


Figure 2 :Frequency distribution of days to heading (1982-1983) : (a) all accessions (b) two-rowed accessions, (c) six-rowed accessions, (d) winter type, (e) facultative type and (f) spring type.

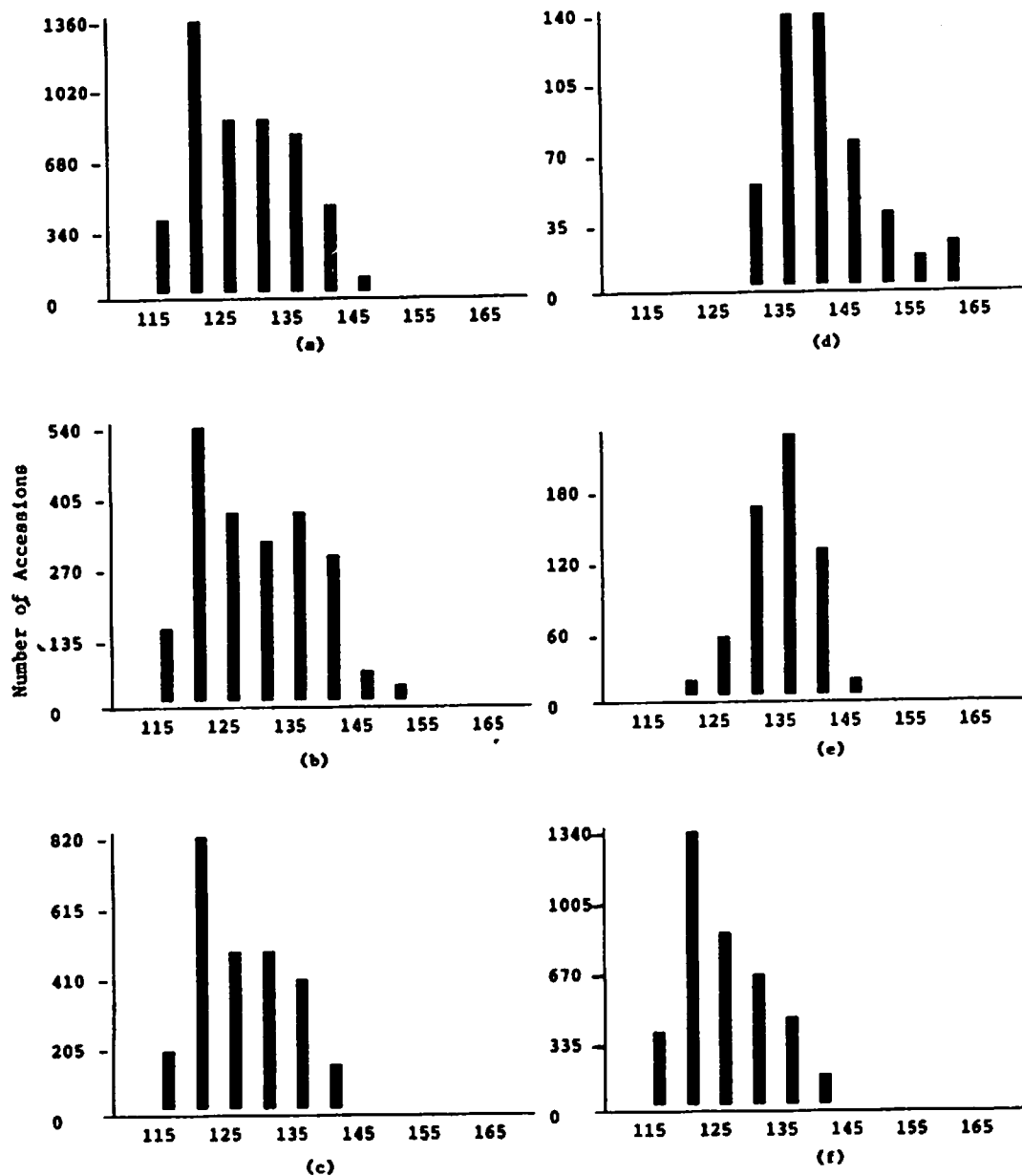


Figure 3 :Frequency distribution of days to heading (1983-1984) : (a) all accessions (b) two-rowed accessions, (c) six-rowed accessions, (d) winter type, (e) facultative type and (f) spring type.

Early Heading Accessions

ICB numbers of early heading accessions of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1982 - 1983 season. Days to heading for each accession are shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
100268 (122)	100214 (105)	100709 (125)	100056 (124)	100222 (107)
100307 (107)	100222 (107)	101691 (124)	100214 (105)	100223 (107)
100327 (122)	100233 (107)	101742 (124)	100338 (122)	100307 (107)
100332 (122)	100648 (107)	101766 (124)	100710 (124)	100310 (117)
100380 (122)	101639 (116)	101768 (122)	101100 (119)	100648 (107)
101817 (122)	101640 (116)	101774 (125)	101675 (112)	101099 (119)
101959 (122)	101675 (112)	101832 (124)	101769 (124)	101639 (116)
102350 (122)	102326 (113)	102379 (115)	102385 (120)	101640 (116)
102778 (122)	102379 (115)	102549 (125)	102496 (113)	102326 (113)
102954 (122)	102496 (113)	102559 (122)	102571 (122)	102361 (113)

Late Heading Accessions

ICB numbers of late heading accessions of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1982 - 1983 season. Days to heading for each accession are shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
100522 (156)	100494 (167)	100494 (167)	100215 (159)	100106 (152)
100992 (158)	100495 (167)	100495 (167)	100216 (159)	100207 (151)
101002 (156)	100634 (167)	100634 (167)	100522 (156)	100217 (159)
101003 (156)	100657 (167)	100657 (167)	100991 (167)	100508 (153)
101031 (156)	100789 (167)	100789 (167)	101578 (167)	100545 (153)
101251 (167)	100791 (167)	100791 (167)	101665 (158)	100622 (153)
101252 (164)	100991 (167)	101053 (167)	101714 (159)	101038 (153)
101253 (159)	101053 (167)	101251 (167)	101804 (159)	101198 (153)
101804 (159)	101578 (167)	102727 (167)	102188 (158)	102025 (156)
102591 (158)	102727 (167)	102796 (167)	102736 (156)	102591 (158)

Early Heading Accessions

ICB numbers of early heading accessions of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1983 - 1984 season. Days to heading for each accession are shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
103266 (116)	103880 (106)	103029 (122)	103701 (123)	103880 (106)
103458 (116)	103881 (113)	105920 (124)	103790 (119)	103881 (113)
105094 (115)	105915 (115)	105924 (117)	106042 (124)	105927 (114)
105981 (115)	105927 (114)	105931 (124)	106151 (123)	105933 (114)
105982 (115)	105933 (114)	105935 (118)	106214 (123)	106029 (113)
106029 (113)	106765 (109)	105944 (117)	106288 (123)	106122 (114)
106039 (116)	106766 (113)	105946 (119)	106992 (120)	106765 (109)
106105 (116)	107526 (114)	105959 (123)	106996 (123)	106766 (113)
106122 (114)	107692 (113)	105960 (116)	107831 (124)	107526 (114)
107980 (116)	107693 (114)	105979 (123)	107832 (122)	107692 (113)

Late Heading Accessions

ICB numbers of late heading accessions of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1983 - 1984 season. Days to heading for each accession are shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
103090 (151)	103369 (170)	103369 (170)	103146 (151)	103025 (151)
103217 (151)	103997 (170)	103995 (170)	103147 (150)	103053 (151)
103995 (170)	104014 (164)	103997 (170)	103148 (151)	103090 (151)
104164 (172)	104015 (164)	104014 (164)	103160 (150)	103216 (151)
104617 (164)	104106 (167)	104106 (167)	103478 (149)	103219 (151)
104623 (164)	104156 (164)	104108 (164)	103744 (150)	103432 (151)
105097 (153)	104832 (164)	104164 (172)	103905 (150)	104673 (151)
105307 (156)	106742 (164)	107715 (166)	103929 (150)	104674 (151)
105309 (152)	107806 (165)	107806 (165)	104119 (149)	105307 (156)
107715 (166)	107998 (168)	107998 (168)	106374 (150)	105309 (152)

Days to maturity (DMA)

Counted as the number of days from the first day of rainfall sufficient for germination to the day when 90% of the plants matured (Tables 15,16 and Figures 4,5).

Table 15: Summary of statistics on days to maturity.
Season: 1982 - 1983

	All accessions	Kernel row number		Growth class		
		2R	6R	W	F	S
Mean	189.59	189.35	189.75	191.86	189.62	187.77
Maximum	207	207	206	206	201	207
Minimum	174	174	174	177	180	174
Range	33	33	32	29	21	33
Variance	17.73	11.71	20.30	12.74	11.57	16.37
CV(%)	2.22	1.81	2.38	1.86	1.79	2.16
Kurtosis	1.01	3.38	0.31	1.86	0.91	0.80
Skewness	-0.08	-0.11	-0.05	0.39	-0.10	-0.13
No. of acc.	2991	991	1983	1123	468	1399

Table 16: Summary of statistics on days to maturity.
Season: 1983 - 1984

	All accessions	Kernel row number		Growth class		
		2R	6R	W	F	S
Mean	159.98	159.87	160.05	169.76	165.09	157.88
Maximum	187	180	187	187	180	179
Minimum	138	139	138	155	154	138
Range	49	41	49	32	26	41
Variance	42.21	40.62	44.32	25.68	18.88	26.89
CV(%)	4.06	3.99	4.16	2.99	2.63	3.28
Kurtosis	-0.14	-0.18	-0.16	0.34	-0.60	0.19
Skewness	0.42	0.19	0.60	-0.33	-0.08	0.32
No. of acc.	4855	2103	2583	498	589	3764

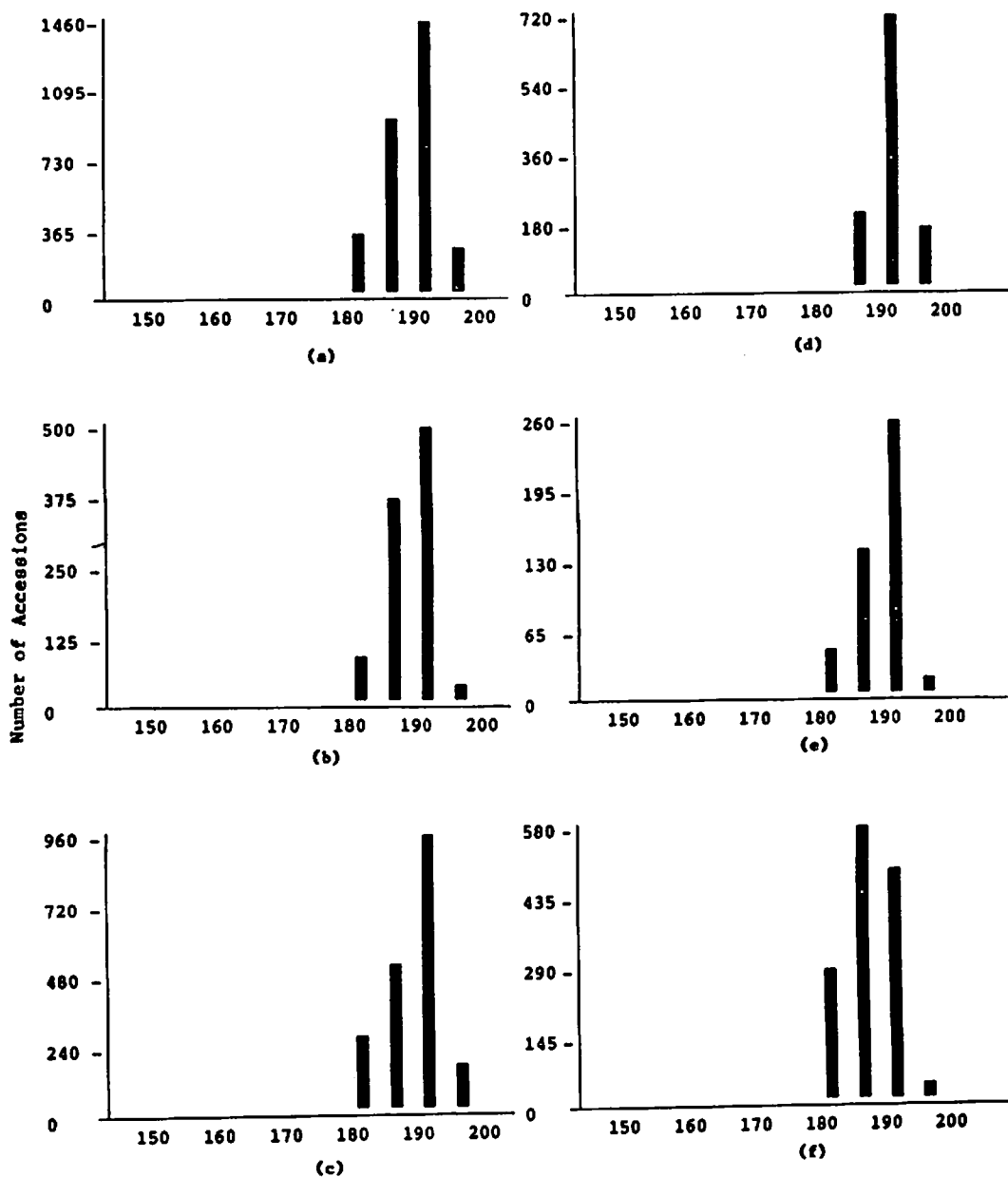


Figure 4 :Frequency distribution of days to maturity (1982-1983): (a) all accessions (b) two-rowed accessions, (c) six-rowed accessions, (d) winter type, (e) facultative type and (f) spring type.

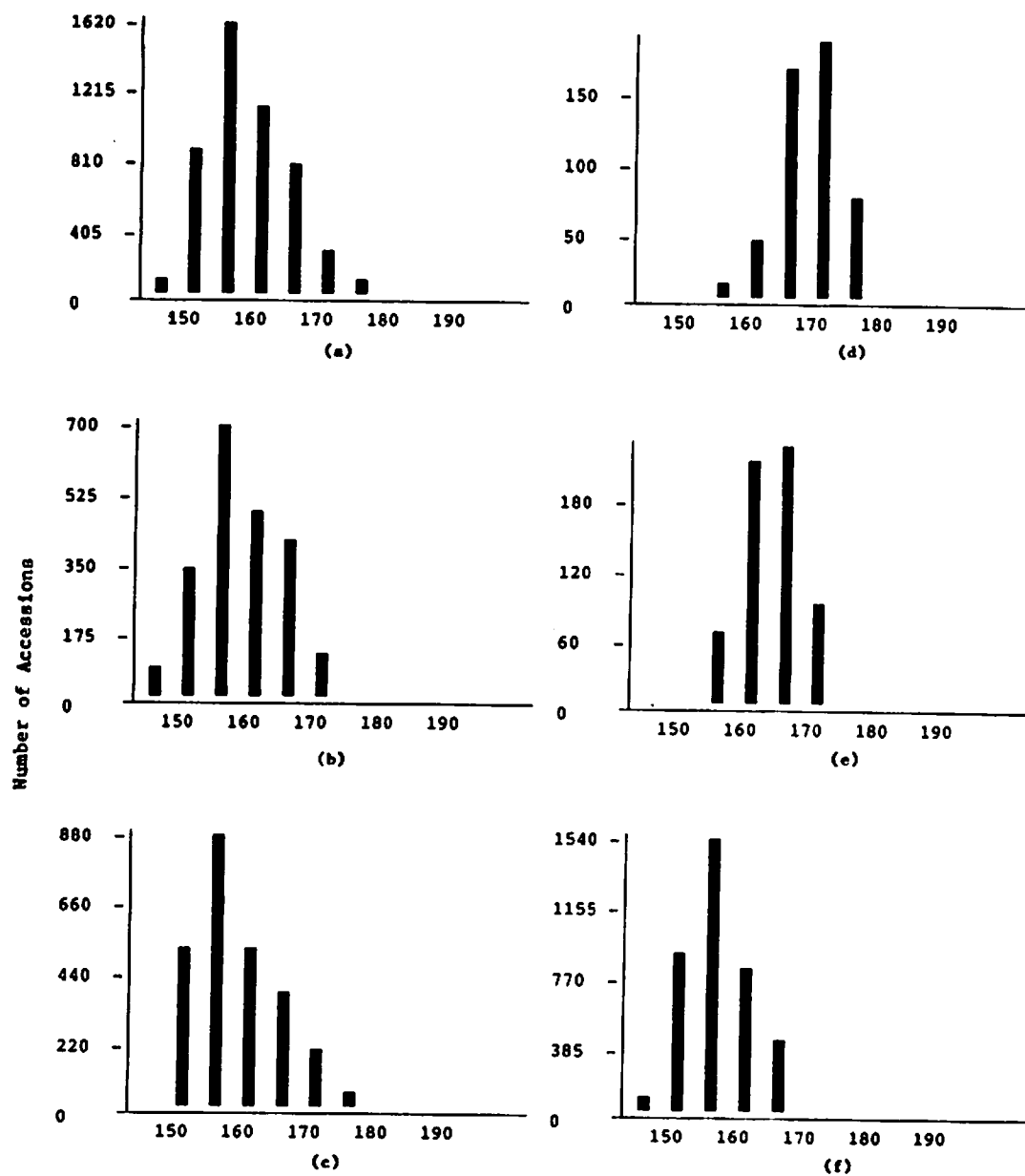


Figure 5 :Frequency distribution of days to maturity (1983-1984): (a) all accessions (b) two-rowed accessions, (c) six-rowed accessions, (d) winter type, (e) facultative type and (f) spring type.

Early Maturing Accessions

ICB numbers of early maturing accessions of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1982 - 1983 season. Days to maturity for each accession are shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
100294 (180)	100218 (178)	100709 (181)	100988 (182)	100660 (176)
100295 (180)	100648 (179)	100758 (182)	101074 (181)	101201 (174)
100301 (179)	100971 (177)	101064 (177)	101168 (182)	102065 (175)
100312 (180)	101142 (178)	101185 (182)	101222 (182)	102322 (174)
100659 (178)	101167 (179)	101192 (182)	101388 (181)	102362 (175)
100660 (176)	101202 (177)	101386 (182)	101669 (181)	102363 (175)
100661 (178)	102162 (178)	101387 (182)	101671 (182)	102368 (175)
102322 (174)	102165 (179)	101832 (182)	101719 (180)	102453 (175)
102368 (175)	102343 (179)	101977 (180)	101760 (181)	102592 (177)
102592 (177)	102518 (177)	102641 (182)	102739 (180)	102620 (175)

Late Maturing Accessions

ICB numbers of late maturing accessions of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1982 - 1983 season. Days to maturity for each accession are shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
100157 (198)	101052 (206)	101052 (206)	100224 (197)	100157 (198)
100258 (198)	101053 (203)	101053 (203)	100242 (197)	100241 (197)
100511 (198)	101056 (205)	101056 (205)	100435 (197)	100395 (198)
101251 (204)	101057 (205)	101057 (205)	100483 (201)	100622 (197)
101252 (204)	101255 (206)	101251 (204)	100877 (197)	101681 (201)
101253 (206)	101256 (203)	101252 (204)	101578 (201)	101802 (207)
101254 (203)	101257 (203)	101253 (206)	102093 (199)	101833 (201)
101681 (210)	102502 (205)	101254 (203)	102119 (201)	102501 (201)
101802 (207)	102503 (205)	101255 (206)	102190 (200)	102502 (205)
101833 (201)	102733 (203)	102733 (203)	102793 (201)	102503 (205)

Early Maturing Accessions

ICB numbers of early maturing accessions of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1983 - 1984 season. Days to maturity for each accession are shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
103209 (141)	103714 (148)	103029 (155)	103247 (156)	103209 (141)
103210 (142)	103787 (145)	105932 (155)	104050 (156)	103210 (142)
103213 (141)	103788 (145)	105935 (155)	105911 (156)	103213 (141)
103227 (142)	103789 (145)	105946 (155)	106042 (154)	103227 (142)
103384 (140)	105926 (145)	105951 (157)	106292 (156)	103234 (143)
103458 (139)	105927 (147)	105959 (155)	106416 (156)	103384 (140)
105339 (143)	106765 (138)	105960 (155)	106992 (156)	103458 (139)
105981 (141)	107626 (147)	105979 (156)	107396 (156)	105981 (141)
105985 (143)	107672 (148)	107851 (158)	107424 (155)	106388 (142)
106388 (142)	107690 (148)	107959 (157)	107766 (155)	106765 (138)

Late Maturing Accessions

ICB numbers of late maturing accessions of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1983 - 1984 season. Days to maturity for each accession are shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
103122 (176)	103163 (179)	103163 (179)	103069 (174)	103043 (174)
103132 (177)	103369 (187)	103369 (187)	103167 (175)	103132 (177)
103150 (177)	103744 (180)	103995 (180)	103321 (174)	103189 (175)
103151 (177)	103997 (181)	103997 (181)	103740 (177)	103200 (174)
103995 (180)	103998 (181)	103998 (181)	103741 (175)	103429 (173)
104159 (180)	104014 (179)	104085 (179)	103744 (180)	103430 (173)
104164 (179)	104106 (179)	104107 (180)	103848 (175)	103432 (174)
104617 (180)	104107 (180)	104159 (180)	104105 (174)	103750 (173)
104623 (179)	104787 (179)	104617 (180)	106679 (173)	103843 (174)
107715 (176)	104832 (179)	104832 (179)	107824 (174)	104787 (179)

Plant height (PLH)

Height of plant at maturity, measured in cm from the ground to tip of spike excluding awns (Tables 17,18 and Figures 6,7).

Table 17: Summary of statistics on plant height.
Season: 1982 - 1983

	All	Kernel row number		Growth class		
	accessions	2R	6R	W	F	S
Mean	91.82	90.77	92.31	94.58	92.62	89.34
Maximum	130	125	130	125	120	130
Minimum	30	60	30	30	50	40
Range	100	65	100	95	70	90
Variance	171.01	164.84	174.26	143.66	136.82	192.05
CV(%)	14.24	14.15	14.30	12.67	12.63	15.51
Kurtosis	0.77	-0.51	1.47	2.56	1.03	0.05
Skewness	0.67	-0.02	-0.97	-1.02	-0.75	-0.38
No. of acc.	2991	991	1983	1123	468	1399

Table 18: Summary of statistics on plant height.
Season: 1983 - 1984

	All	Kernel row number		Growth class		
	accessions	2R	6R	W	F	S
Mean	51.94	51.09	52.73	51.76	51.00	52.11
Maximum	100	90	100	80	100	100
Minimum	20	35	20	20	35	30
Range	80	55	80	60	65	100
Variance	61.43	46.73	73.66	116.30	86.65	50.10
CV(%)	15.09	13.38	16.28	20.84	18.25	13.58
Kurtosis	3.55	1.96	3.45	0.24	3.91	4.31
Skewness	1.00	0.78	0.96	-0.003	1.61	1.23
No. of acc.	4840	2094	2577	495	591	3751

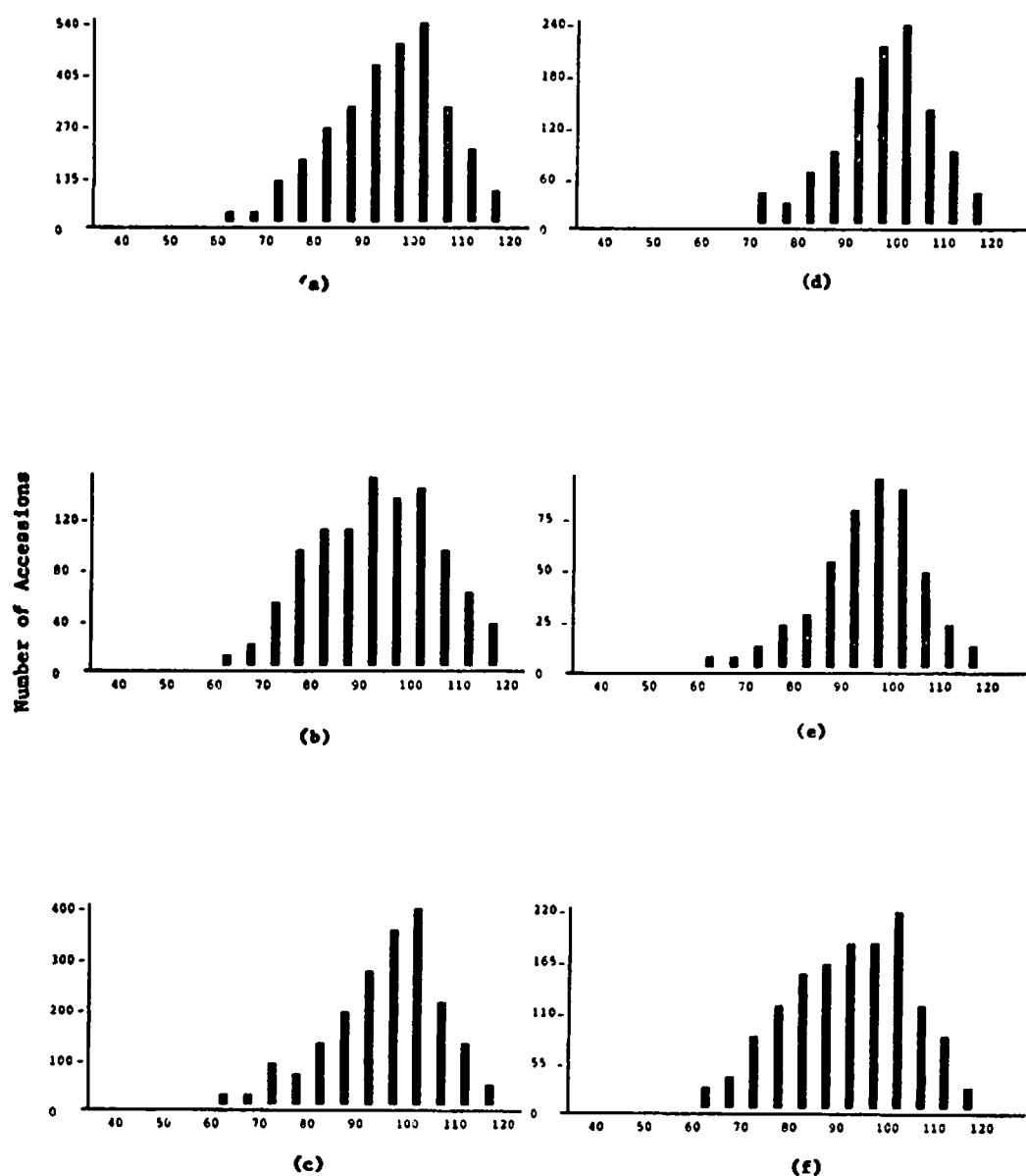


Figure 6 :Frequency distribution of plant height (1982-1983) : (a) all accessions (b) two-rowed accessions, (c) six-rowed accessions, (d) winter type, (e) facultative type and (f) spring type.

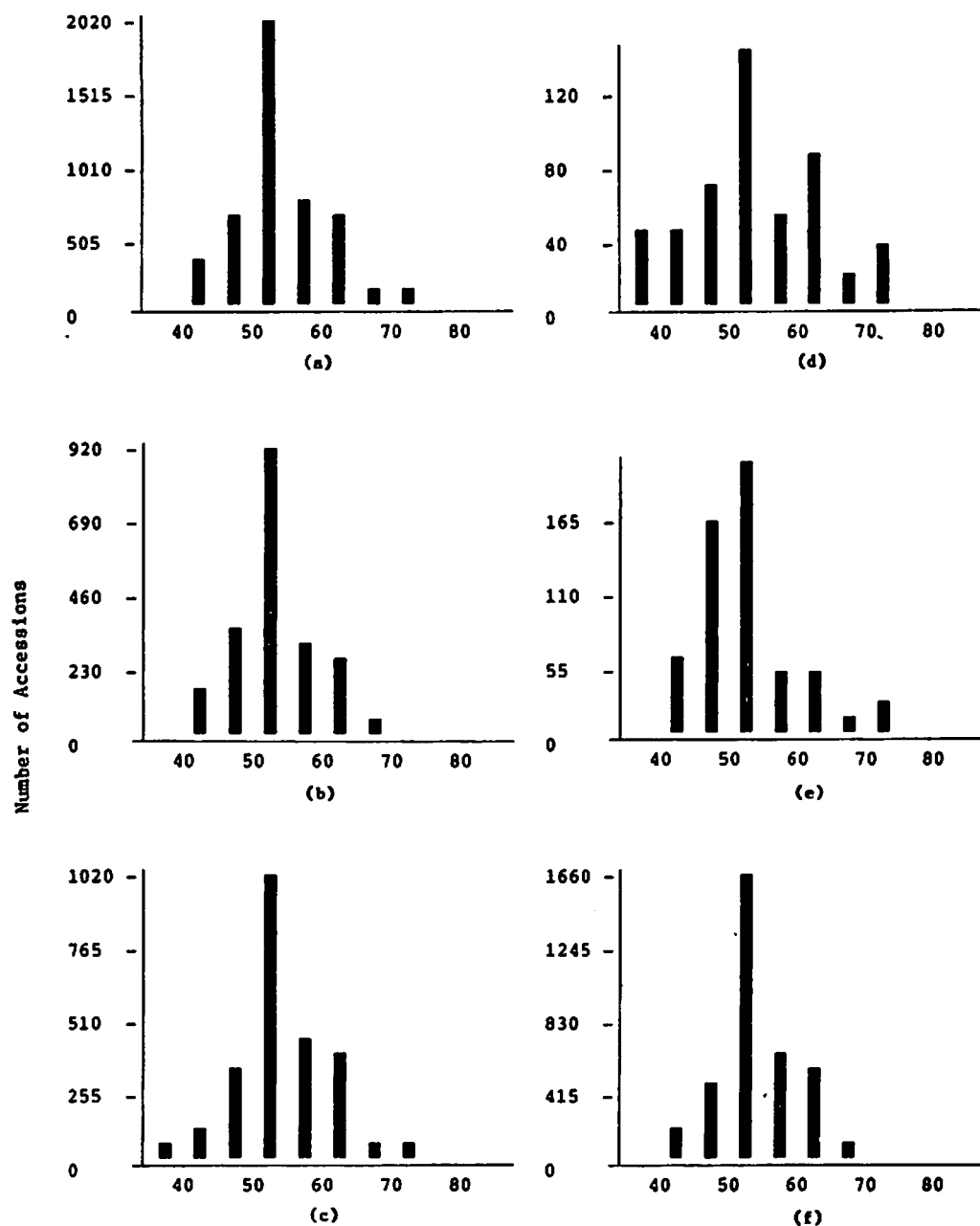


Figure 7 :Frequency distribution of plant height (1983-1984) : (a) all accessions (b) two-rowed accessions, (c) six-rowed accessions, (d) winter type, (e) facultative type and (f) spring type.

Accessions of Short Plants

ICB numbers of accessions of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1982 - 1983 season. Plant height in cm for each accession is shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
100643 (60)	100197 (45)	100204 (40)	100181 (65)	100197 (45)
101083 (60)	100204 (40)	100801 (50)	100646 (60)	100199 (46)
102039 (60)	100205 (40)	100808 (45)	100699 (60)	100201 (45)
102049 (60)	100808 (45)	101064 (40)	100812 (60)	100202 (45)
102051 (60)	101064 (40)	101070 (55)	101065 (51)	100203 (50)
102834 (60)	101066 (40)	101072 (55)	101074 (50)	100205 (40)
102902 (60)	101067 (45)	101076 (30)	101077 (60)	100906 (50)
102913 (60)	101076 (30)	101078 (30)	101079 (50)	101066 (40)
102914 (60)	101078 (30)	101145 (45)	101081 (50)	101067 (45)
102990 (60)	101145 (45)	102002 (55)	101966 (60)	101075 (45)

Accessions of Tall Plants

ICB numbers of accessions of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1982 - 1983 season. Plant height in cm for each accession is shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
100256 (125)	100034 (120)	100034 (120)	100673 (120)	100256 (125)
100257 (125)	100593 (120)	100593 (120)	101112 (115)	100257 (125)
100260 (120)	100670 (120)	100835 (120)	101669 (115)	100670 (120)
100835 (120)	100673 (120)	100893 (120)	101716 (115)	101203 (120)
101025 (120)	100893 (120)	101025 (120)	102093 (115)	101204 (125)
101203 (120)	101398 (120)	101328 (120)	102094 (115)	101398 (120)
101204 (125)	102125 (130)	101403 (120)	102099 (115)	102125 (130)
101328 (120)	102448 (125)	101404 (125)	102142 (115)	102448 (125)
101403 (120)	102823 (120)	101465 (120)	102410 (115)	102798 (120)
101404 (125)	102824 (120)	102720 (115)	102411 (120)	102824 (120)

Accessions of Short Plants

ICB numbers of accessions of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1983 - 1984 season. Plant height in cm for each accession is shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
103146 (35)	104017 (30)	104017 (30)	103146 (35)	104055 (35)
103905 (35)	105920 (30)	105920 (30)	103905 (35)	105236 (35)
104002 (35)	105924 (20)	105938 (30)	104067 (35)	105254 (35)
104193 (35)	105925 (20)	105942 (30)	104193 (35)	105263 (35)
104408 (35)	105939 (30)	105943 (30)	105900 (35)	106915 (35)
104410 (35)	105942 (30)	105947 (25)	105901 (35)	106987 (30)
105236 (35)	105947 (25)	105949 (25)	105902 (35)	107195 (30)
105239 (35)	105948 (20)	105950 (30)	106292 (35)	107254 (30)
105254 (35)	105949 (25)	105951 (30)	106917 (35)	107689 (35)
105263 (35)	105961 (20)	105960 (30)	107702 (40)	107880 (35)

Accessions of Tall Plants

ICB numbers of accessions of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1983 - 1984 season. Plant height in cm for each accession is shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
103700 (80)	103600 (100)	103630 (75)	103551 (80)	103600 (100)
103951 (75)	103602 (90)	106703 (75)	103701 (90)	103602 (90)
104000 (90)	103699 (90)	107571 (80)	103702 (100)	103650 (90)
104713 (80)	103701 (90)	107588 (80)	104763 (90)	103699 (90)
104737 (75)	103702 (100)	107597 (80)	104764 (85)	103750 (90)
104758 (75)	103750 (90)	107598 (75)	107603 (85)	103751 (100)
104763 (90)	103751 (100)	107599 (80)	107604 (95)	103752 (95)
106878 (80)	103752 (95)	107602 (80)	107605 (90)	103799 (90)
107892 (80)	103999 (90)	107910 (75)	107892 (80)	103999 (90)
107915 (80)	107601 (95)	107920 (80)	107905 (80)	104000 (90)

Number of spikelet groups per spike (SGS)

Number of spikelet groups (triplets) per spike. An average from five typical spikes selected from a growing accession (Tables 19,20 and Figures 8,9).

Table 19: Summary of statistics on spikelet groups per spike.
Season: 1982 - 1983

	All	Kernel row number		Growth class		
	accessions	2R	6R	W	F	S
Mean	24.37	27.53	22.80	24.13	23.31	24.93
Maximum	53.00	38.40	53.00	53.00	35.60	38.40
Minimum	9.80	11.00	9.80	9.80	13.20	9.80
Range	43.20	27.40	43.20	43.20	22.40	28.60
Variance	18.57	14.34	13.26	14.04	18.24	21.60
CV(%)	17.68	13.76	15.97	15.53	18.32	18.64
Kurtosis	0.56	0.18	2.52	3.07	-0.17	-0.19
Skewness	0.14	-0.26	0.14	0.34	0.22	0.04
No. of acc.	2996	992	1987	1124	470	1400

Table 20: Summary of statistics on spikelet groups per spike.
Season: 1983 - 1984

	All	Kernel row number		Growth class		
	accessions	2R	6R	W	F	S
Mean	21.81	25.22	19.16	20.90	21.32	22.00
Maximum	58.00	48.00	58.00	34.00	39.00	58.00
Minimum	10.00	11.00	10.00	10.00	12.00	10.00
Range	48.00	37.00	48.00	24.00	27.00	48.00
Variance	25.53	21.20	12.49	20.00	30.61	25.24
CV(%)	23.16	18.26	18.44	21.39	25.95	22.84
Kurtosis	0.47	0.15	6.07	-0.37	-0.40	0.67
Skewness	0.59	0.11	1.00	0.20	0.55	0.63
No. of acc.	4771	2096	2539	461	582	3723

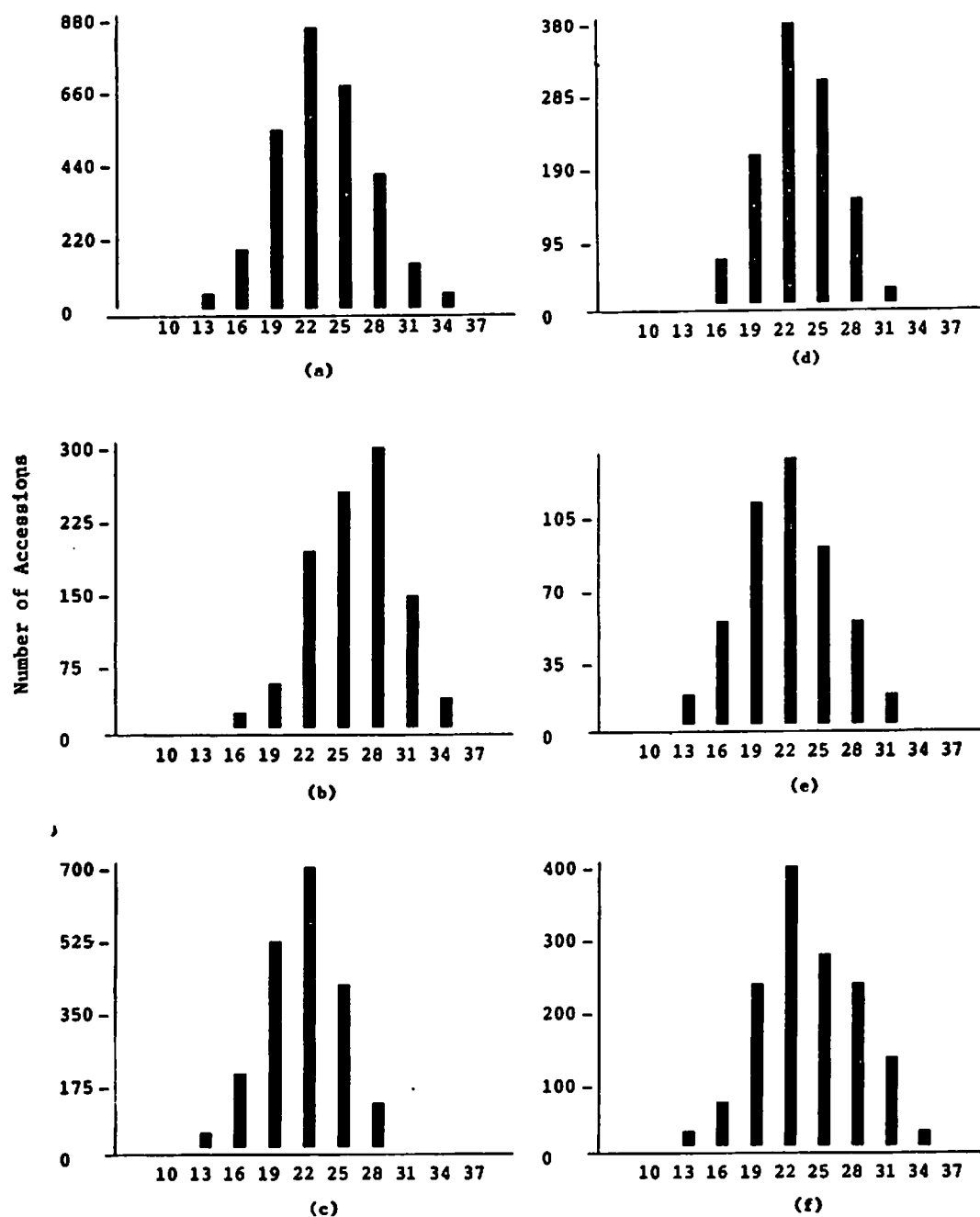


Figure 8 :Frequency distribution of spikelet groups per spike (1982-1983) : (a) all accessions (b) two-rowed accessions, (c) six-rowed accessions, (d) winter type, (e) facultative type and (f) spring type.

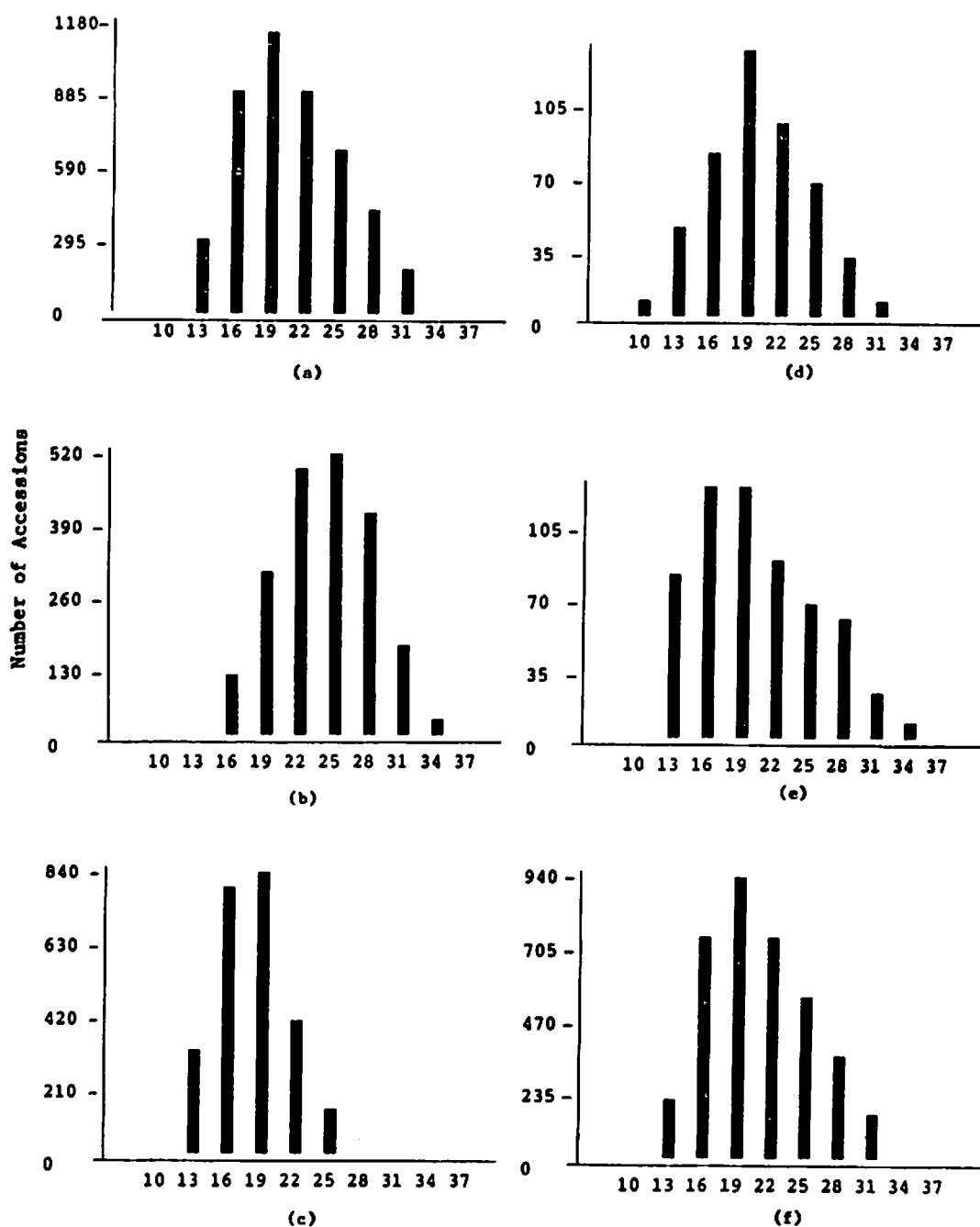


Figure 9 :Frequency distribution of spikelet groups per spike (1983-1984) : (a) all accessions (b) two-rowed accessions, (c) six-rowed accessions, (d) winter type, (e) facultative type and (f) spring type.

Accessions with Low Number of Spikelet Groups per Spike

ICB numbers of accessions with low number of spikelet groups per spike of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1982 - 1983 season. Numbers of spikelet groups per spike for each accession are shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
100573 (18)	100078 (11)	100078 (11)	100683 (15)	100222 (10)
101919 (18)	100222 (10)	100524 (13)	100760 (15)	100704 (13)
102107 (17)	100524 (13)	100525 (14)	101988 (14)	100721 (12)
102241 (18)	100704 (13)	100709 (14)	102083 (14)	100727 (13)
102249 (11)	100721 (12)	100909 (10)	102094 (16)	100744 (13)
102392 (16)	100744 (13)	101761 (14)	102164 (14)	100745 (14)
102427 (16)	100746 (13)	101914 (15)	102166 (14)	100746 (13)
102455 (15)	100909 (10)	102089 (16)	102390 (16)	100932 (13)
102877 (18)	100932 (13)	102249 (11)	102414 (14)	102165 (14)
103000 (18)	101761 (14)	102544 (14)	102677 (14)	102429 (14)

Accessions with High Number of Spikelet Groups per Spike

ICB numbers of accessions with high number of spikelet groups per spike of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1982 - 1983 season. Numbers of spikelet groups per spike for each accession are shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
100172 (39)	100184 (33)	100158 (33)	100159 (35)	100172 (39)
100255 (36)	100442 (33)	100455 (53)	100249 (34)	100255 (36)
100428 (36)	100455 (53)	100816 (34)	100435 (33)	100428 (36)
100471 (36)	100668 (35)	100832 (34)	100469 (33)	100471 (36)
100519 (36)	100693 (33)	100995 (37)	100693 (33)	100519 (36)
100995 (37)	100815 (33)	101025 (33)	101699 (36)	101643 (36)
101833 (36)	100816 (34)	101294 (34)	101801 (34)	101833 (36)
102482 (37)	101460 (33)	101483 (34)	101807 (35)	102482 (37)
102512 (36)	101656 (34)	102537 (35)	102487 (33)	102512 (36)
102522 (36)	102271 (34)	102900 (33)	102573 (35)	102522 (36)

Accessions with Low Number of Spikelet Groups per Spike

ICB numbers of accessions with low number of spikelet groups per spike of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1983 - 1984 season. Numbers of spikelet groups per spike for each accession are shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
105112 (12)	103369 (10)	103369 (10)	103609 (13)	103431 (11)
105113 (11)	103553 (11)	103827 (13)	104035 (13)	103553 (11)
105115 (11)	103554 (11)	105966 (12)	106161 (12)	103554 (11)
105313 (13)	105514 (11)	106405 (12)	106219 (13)	105113 (11)
105355 (14)	105801 (11)	106730 (12)	106338 (12)	105115 (11)
105767 (13)	106534 (10)	106744 (12)	106456 (13)	105514 (11)
106256 (14)	106984 (11)	107559 (11)	106722 (12)	105801 (11)
106338 (12)	107559 (11)	107560 (11)	107246 (12)	106534 (10)
107775 (13)	107560 (11)	107815 (11)	107266 (12)	106984 (11)
107880 (12)	107815 (11)	107875 (12)	107981 (13)	107880 (12)

Accessions with High Number of Spikelet Groups per Spike

ICB numbers of accessions with high number of spikelet groups per spike of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1983 - 1984 season. Numbers of spikelet groups per spike for each accession are shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
103188 (40)	103466 (58)	103112 (30)	104211 (35)	103188 (40)
104130 (39)	103999 (30)	104040 (34)	104569 (34)	103466 (58)
104461 (39)	104040 (34)	104135 (31)	104587 (35)	103613 (39)
104563 (39)	104042 (34)	104436 (31)	104602 (39)	104126 (38)
104568 (48)	104723 (31)	104483 (31)	104605 (38)	104130 (39)
104586 (39)	104920 (31)	104487 (32)	104663 (37)	104461 (39)
104602 (39)	105931 (31)	104511 (30)	104783 (36)	104563 (39)
104618 (38)	105949 (31)	104607 (33)	104795 (35)	104568 (48)
104632 (40)	107527 (30)	105931 (31)	104809 (34)	104586 (39)
104752 (38)	107956 (38)	105949 (31)	107956 (38)	104632 (40)

Spike density (SDE)**Descriptor states:**

Lax (rachis internode >4mm) (scored 1), intermediate (scored 2) and dense (scored 3)(Table 21).

Table 21. Summary of statistics on spike density.

Descriptor state		All accessions	Kernel row number		Growth class		
			2R	6R	W	F	S
1	No. of acc.	1073	874	199	31	105	935
	Freq. %	13.8	27.1	4.4	1.9	10.0	18.3
2	No. of acc.	5997	2207	3790	1417	836	3739
	Freq. %	77.0	68.5	82.9	87.1	79.4	73.3
3	No. of acc.	721	139	582	179	112	429
	Freq. %	9.3	4.3	12.7	11.0	10.6	8.4
Total							
No. of acc.		7791	3220	4571	1627	1053	5103

Stem colour (SCO)**Descriptor states:**

Green (scored 1), purple (scored 4) and others (scored 5)(Table 22).

Table 22. Summary of statistics on stem colour.

Descriptor state		All accessions	Kernel row number		Growth class		
			2R	6R	W	F	S
1	No. of acc.	12	8	4	-	6	6
	Freq. %	0.2	0.2	0.09	-	0.6	0.1
4	No. of acc.	113	84	29	3	8	102
	Freq. %	1.4	2.6	0.6	0.2	0.8	2.0
5	No. of acc.	7739	3200	4539	1622	1048	5058
	Freq. %	98.4	97.2	99.3	99.8	98.7	97.9
Total							
No. of acc.		7864	3292	4572	1625	1062	5166

Hoodedness/awnedness (H/A)**Descriptor states:**

Sessile hoods (scored 1), elevated hoods (scored 2), awnless or awnleted (< 2cm), on all rows (scored 3), awned (on central rows only) for two- rowed form, on all six rows for six-rowed form (scored 4) and awned on central rows only, lateral rows awnless or awnleted for six-rowed forms only (scored 5)(Table 23).

Table 23. Summary of statistics on hoodedness/awnedness.

Descriptor state		All accessions	Kernel row number		Growth class		
			2R	6R	W	F	S
1	No. of acc.	21	6	15	1	2	18
	Freq. %	0.3	0.2	0.3	0.06	0.2	0.3
2	No. of acc.	35	12	23	5	7	23
	Freq. %	0.4	0.4	0.5	0.3	0.7	0.4
3	No. of acc.	43	5	38	14	11	18
	Freq. %	0.5	0.2	0.8	0.9	1.0	0.3
4	No. of acc.	7714	3257	4457	1572	1038	5096
	Freq. %	98.1	99.3	97.3	96.6	97.8	98.7
5	No. of acc.	48	-	48	35	3	10
	Freq. %	0.6	-	1.0	2.2	0.3	0.2
Total							
No. of acc.		7861	3280	4581	1627	1061	5165

1000-kernel weight (KWT)

Converted from weighings of 3 lots of 100 kernels. (Value in grams) (Tables 24,25 and Figures 10,11).

Table 24: Summary of statistics on 1000-kernel weight.
Season: 1982 - 1983

	All accessions	Kernel row number		Growth class		
		2R	6R	W	F	S
Mean	38.03	43.47	35.29	36.67	37.46	39.31
Maximum	62.80	62.80	61.10	62.70	62.80	61.90
Minimum	14.60	15.20	14.60	16.80	15.00	14.60
Range	48.20	47.60	46.50	45.90	47.80	47.30
Variance	56.62	39.12	43.10	56.64	53.73	54.37
CV(%)	19.79	14.39	18.61	20.53	19.57	18.76
Kurtosis	0.11	0.62	0.38	0.40	0.31	0.33
Skewness	0.17	0.21	0.19	0.61	0.21	-0.20
No. of acc.	2978	986	1974	1120	467	1390

Table 25: Summary of statistics on 1000-kernel weight.
Season: 1983 - 1984

	All accessions	Kernel row number		Growth class		
		2R	6R	W	F	S
Mean	37.93	40.29	35.85	32.52	36.82	38.83
Maximum	60.00	59.50	60.00	53.20	60.00	59.50
Minimum	14.60	15.60	14.60	14.60	19.20	15.00
Range	45.40	43.90	45.40	38.60	40.80	44.50
Variance	40.14	32.43	37.75	46.73	37.77	34.81
CV(%)	16.70	14.13	17.14	21.02	16.69	15.20
Kurtosis	0.48	0.45	0.50	-0.36	0.39	0.81
Skewness	-0.08	0.14	-0.10	0.29	0.22	0.003
No. of acc.	4826	2082	2563	498	582	3734

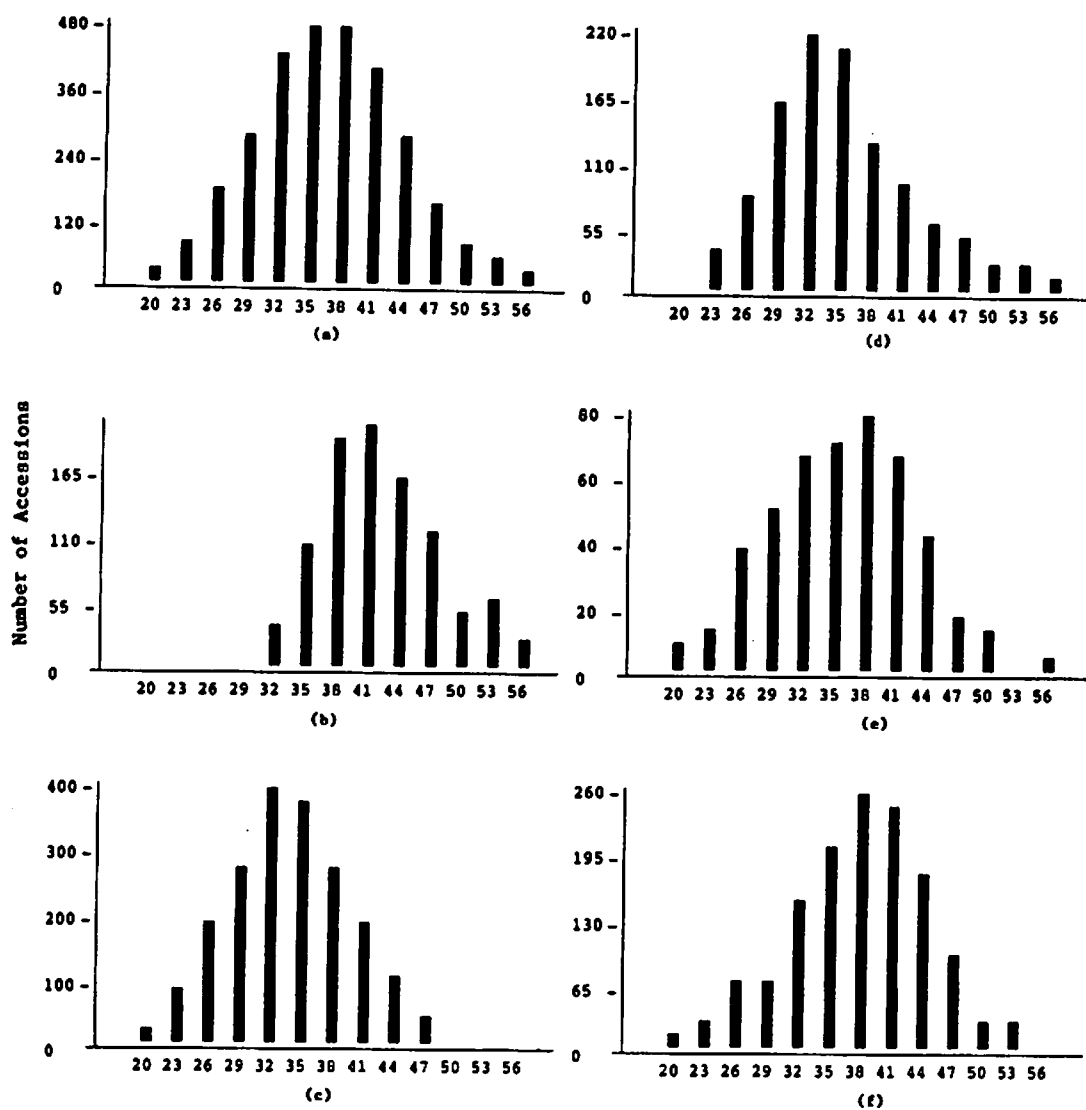


Figure 10 :Frequency distribution of 1,000 kernel weight (1982-1983) :
 (a) all accessions (b) two-rowed accessions, (c) six-rowed
 accessions, (d) winter type, (e) facultative type and (f)
 spring type.

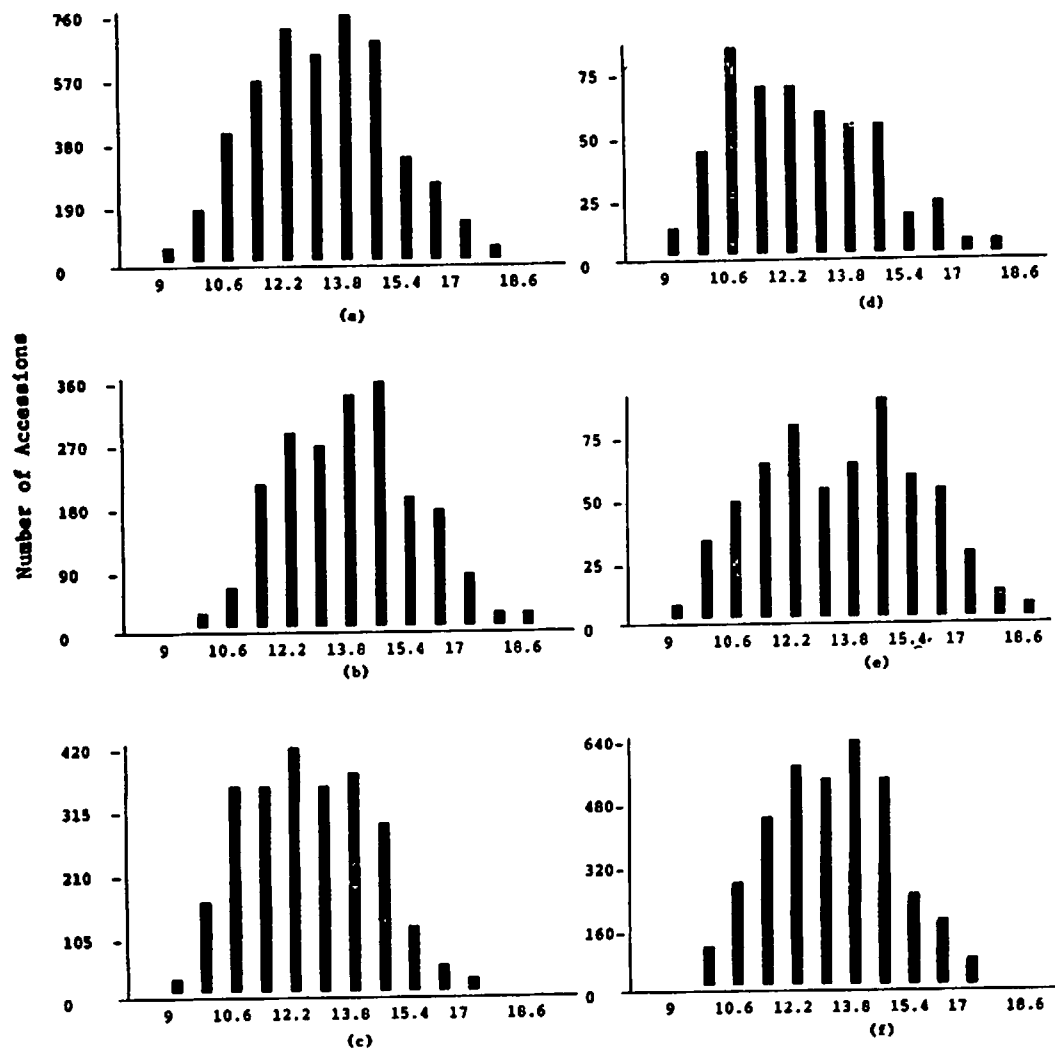


Figure 11 :Frequency distribution of 1,000 kernel weight (1983-1984) :
 (a) all accessions (b) two-rowed accessions, (c) six-rowed
 accessions, (d) winter type, (e) facultative type and (f)
 spring type.

Accessions with Low 1000-Kernel Weight

ICB numbers of accessions with low 1000-kernel weight of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1982 - 1983 season. 1000-kernel weight for each accession is shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
100643 (25.7)	100199 (16.6)	100780 (21.2)	100181 (18.7)	100199 (16.6)
100779 (26.8)	100203 (17.2)	100808 (19.3)	100646 (21.7)	100201 (18.9)
101062 (29.3)	100211 (14.6)	100831 (20.6)	101074 (22.2)	100202 (19.5)
101242 (25.6)	100443 (16.0)	101056 (19.6)	101081 (22.5)	100203 (17.2)
101365 (27.1)	101076 (17.1)	101076 (17.1)	101129 (22.6)	100211 (14.6)
101680 (25.8)	101482 (16.8)	101094 (18.5)	101146 (22.9)	100443 (16.0)
102325 (21.2)	101739 (17.1)	101442 (19.6)	101162 (21.4)	101739 (17.1)
102350 (15.2)	102284 (16.2)	101443 (20.2)	101719 (20.0)	102284 (16.2)
102594 (25.5)	102498 (18.1)	101444 (19.3)	102278 (22.7)	102350 (15.2)
102755 (28.1)	102735 (15.0)	101482 (16.8)	102735 (15.0)	102498 (18.1)

Accessions with High 1000-Kernel Weight

ICB numbers of accessions with high 1000-kernel weight of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1982 - 1983 season. 1000-kernel weight for each accession is shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
100175 (61.0)	100234 (56.9)	100499 (60.7)	100169 (56.5)	100176 (59.4)
100176 (59.4)	100314 (55.9)	100501 (59.5)	100175 (61.0)	100209 (57.9)
100285 (61.2)	100315 (61.1)	101251 (61.7)	100234 (56.9)	100285 (61.2)
100499 (60.7)	100316 (55.9)	101301 (58.8)	100469 (56.7)	100295 (58.8)
100501 (59.5)	100325 (56.6)	101322 (58.2)	101071 (54.7)	100313 (56.8)
100900 (61.9)	100339 (60.5)	101326 (57.7)	102047 (54.2)	100315 (61.1)
101251 (61.7)	100340 (54.6)	101405 (58.2)	102062 (53.2)	100339 (60.5)
102411 (62.8)	100343 (56.6)	101408 (57.8)	102241 (58.3)	100900 (61.9)
102721 (62.7)	102086 (54.6)	102721 (62.7)	102411 (62.8)	102150 (60.9)
102893 (60.4)	102150 (60.9)	102894 (58.9)	102893 (60.4)	102431 (57.5)

Accessions with Low 1000-Kernel Weight

ICB numbers of accessions with low 1000-kernel weight of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1983 - 1984 season. 1000-kernel weight for each accession is shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
103995 (24.9)	104108 (17.1)	104091 (20.5)	103185 (23.7)	107624 (15.0)
104070 (23.0)	104620 (14.6)	104106 (19.7)	103477 (20.0)	107625 (18.7)
104132 (24.9)	104731 (17.9)	104108 (17.1)	104154 (23.8)	107627 (17.5)
104253 (25.0)	107624 (15.0)	104559 (15.6)	104566 (19.2)	107628 (15.8)
104487 (24.4)	107627 (17.5)	104597 (17.2)	104625 (20.4)	107629 (19.6)
104559 (15.6)	107628 (15.8)	104620 (14.6)	104676 (20.3)	107630 (17.6)
104588 (24.8)	107630 (17.6)	104731 (17.9)	104716 (21.0)	107631 (18.4)
104597 (17.2)	107631 (18.4)	104734 (20.2)	104764 (21.3)	107670 (18.2)
104623 (25.5)	107670 (18.2)	105920 (20.8)	107619 (22.7)	107673 (19.1)
104843 (25.5)	107897 (18.4)	105925 (19.1)	107895 (22.1)	107897 (18.4)

Accessions with High 1000-Kernel Weight

ICB numbers of accessions with high 1000-kernel weight of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1983 - 1984 season. 1000-kernel weight for each accession is shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
104826 (57.3)	104834 (60.0)	104818 (50.2)	103351 (55.1)	105219 (57.9)
104839 (57.3)	105599 (57.1)	104827 (48.6)	104828 (51.5)	105230 (57.7)
105219 (57.9)	105702 (55.5)	104829 (51.1)	104833 (52.5)	105704 (58.5)
105221 (57.6)	105704 (58.5)	104830 (53.2)	104834 (60.0)	106024 (58.9)
105223 (57.6)	105705 (55.6)	104842 (49.6)	105622 (53.5)	106026 (58.7)
105230 (57.7)	105706 (56.9)	105965 (48.1)	106084 (55.2)	106027 (59.5)
105363 (57.4)	106682 (58.2)	105967 (48.7)	106135 (51.5)	106082 (58.2)
106024 (58.9)	106683 (59.2)	105968 (49.0)	106139 (52.2)	106683 (59.2)
106026 (58.7)	106684 (59.5)	105975 (48.8)	106680 (53.3)	106684 (59.5)
106027 (59.5)	106690 (57.8)	106688 (48.0)	107922 (50.8)	106690 (57.8)

Percentage protein content (PRO)

The protein content of the kernel, expressed as a percentage of the dry kernel weight (moisture constant less than 12 percent) the protein was estimated by infra-red reflectance spectroscopy on a Neotech 31A analyser. The conversion factor of $N \times 6.25$ was used (Tables 26,27 and Figures 12,13).

Table 26: Summary of statistics on percentage protein content.
Season: 1982 - 1983

	All accessions	Kernel row number		Growth class		
		2R	6R	W	F	S
Mean	12.01	12.52	11.75	11.95	11.56	12.21
Maximum	19.00	18.70	19.00	18.10	17.20	19.00
Minimum	8.50	8.60	8.50	9.00	8.90	8.50
Range	10.50	10.10	10.50	9.90	8.30	10.50
Variance	2.07	2.13	1.84	1.53	1.86	2.46
CV(%)	11.97	11.66	11.54	10.34	11.79	12.84
Kurtosis	1.53	0.61	2.46	1.73	1.22	1.23
Skewness	0.85	0.70	0.96	0.84	0.90	0.77
No. of acc.	2979	988	1973	1118	465	1395

Table 27: Summary of statistics on percentage protein content.
Season: 1983 - 1984

	All accessions	Kernel row number		Growth class		
		2R	6R	W	F	S
Mean	13.61	14.23	13.04	12.96	13.86	13.65
Maximum	21.60	21.60	20.40	20.40	19.30	21.60
Minimum	9.00	9.10	9.00	9.00	9.10	9.00
Range	12.60	12.50	11.40	10.40	10.20	12.60
Variance	3.50	3.25	3.12	4.15	4.71	3.16
CV(%)	13.76	12.67	13.54	15.71	15.65	13.02
Kurtosis	-0.21	-0.17	-0.37	-0.07	-0.77	-0.07
Skewness	0.21	0.27	0.22	0.53	0.03	0.22
No. of acc.	4700	2036	2478	498	577	3614

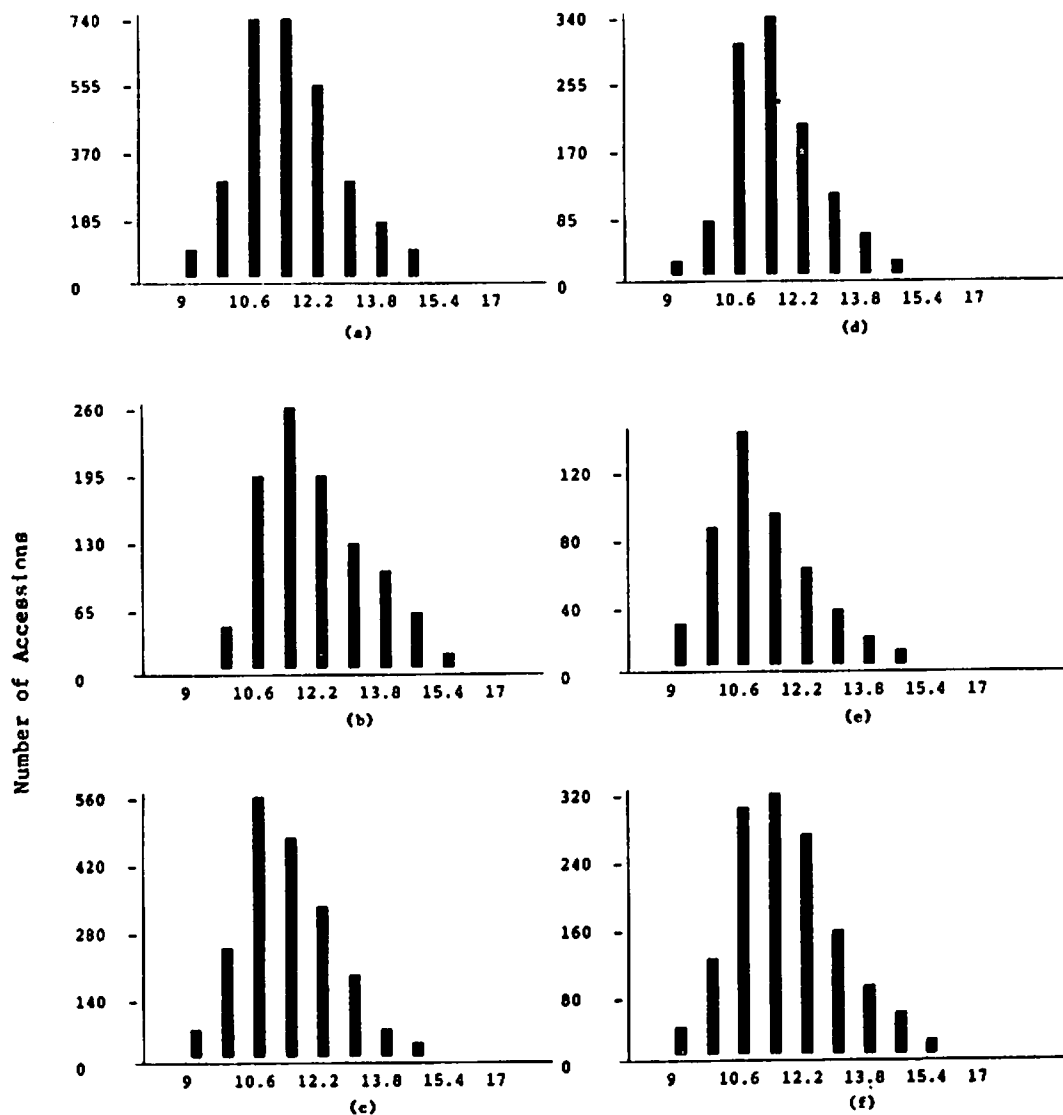


Figure 12 :Frequency distribution of protein content (X) (1982-1983) :
 (a) all accessions (b) two-rowed accessions, (c) six-rowed accessions, (d) winter type, (e) facultative type and (f) spring type.

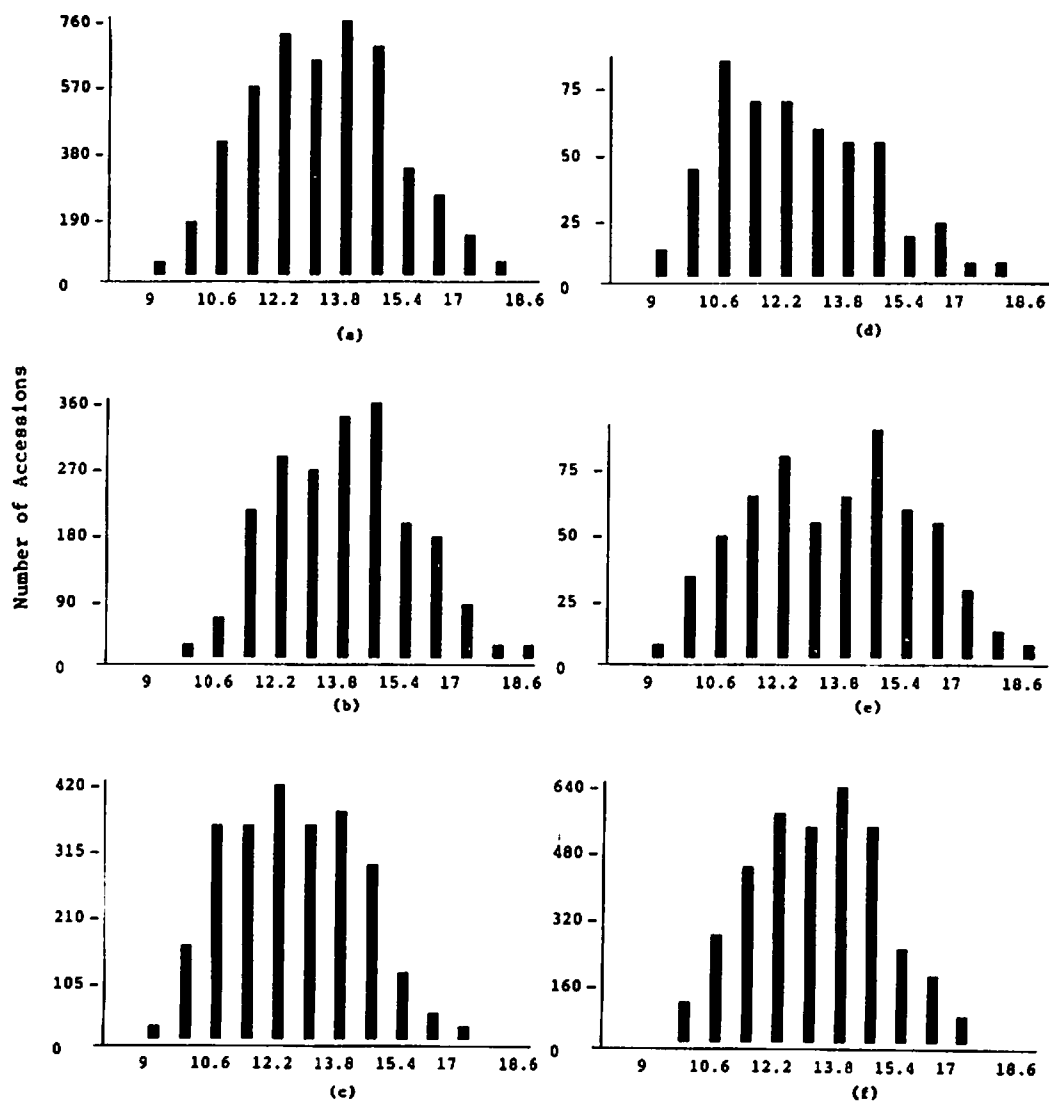


Figure 13 :Frequency distribution of protein content (%) (1983-1984) :
 (a) all accessions (b) two-rowed accessions, (c) six-rowed accessions, (d) winter type, (e) facultative type and (f) spring type.

Accessions with Low Percentage of Protein

ICB numbers of accessions with low percentage of protein of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1982 - 1983 season. Percentage of protein content for each accession is shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
100168 (9.6)	100481 (8.5)	100124 (9.2)	100530 (9.3)	100481 (8.5)
100635 (8.6)	100617 (8.9)	100795 (9.0)	100617 (8.9)	100635 (8.6)
100920 (9.6)	100655 (8.5)	101882 (9.4)	100684 (9.3)	100670 (8.7)
102010 (9.8)	100670 (8.7)	102219 (9.4)	101549 (9.1)	100681 (8.9)
102030 (9.5)	100691 (8.9)	102641 (9.5)	101583 (9.1)	100691 (8.9)
102039 (9.7)	100927 (8.5)	102644 (9.1)	101716 (9.0)	101561 (9.0)
102040 (9.7)	102070 (8.7)	102663 (9.4)	102187 (9.1)	102070 (8.7)
102041 (9.8)	102191 (8.9)	102696 (9.2)	102638 (9.2)	102191 (8.9)
102042 (9.8)	102659 (8.6)	102705 (9.5)	102711 (8.9)	102657 (8.9)
102230 (9.5)	102711 (8.9)	102796 (9.5)	102765 (9.1)	102659 (8.6)

Accessions with High Percentage of Protein

ICB numbers of accessions with high percentage of protein of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1982 - 1983 season. Percentage protein for each accession is shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
100188 (16.5)	100183 (19.0)	100226 (17.4)	100227 (15.6)	100183 (19.0)
100258 (17.7)	100184 (18.6)	100258 (17.7)	100234 (17.0)	100184 (18.6)
100260 (17.7)	100203 (18.9)	100808 (18.1)	100372 (16.9)	100203 (18.9)
100261 (16.9)	100207 (17.4)	101064 (16.7)	101081 (15.4)	100207 (17.4)
100273 (16.7)	100217 (17.2)	101072 (16.8)	101168 (15.6)	100239 (17.3)
101203 (17.7)	100226 (17.4)	101145 (16.1)	101248 (15.0)	100260 (17.7)
101204 (17.3)	100239 (17.3)	101288 (15.9)	101271 (17.2)	100262 (18.6)
102591 (17.4)	100262 (18.6)	101322 (16.5)	101273 (15.2)	101203 (17.7)
102600 (17.0)	100808 (18.1)	101326 (16.0)	102146 (15.4)	102591 (17.4)
102607 (18.7)	101271 (17.2)	101924 (15.9)	102573 (15.4)	102607 (18.7)

Accessions with Low Percentage Protein Content

ICB numbers of accessions with low percentage of protein of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1983 - 1984 season. Percentage protein content for each accession is shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
104811 (9.9)	103818 (9.3)	103827 (9.5)	104165 (9.5)	103818 (9.3)
106706 (10.0)	103858 (9.3)	103854 (9.3)	104404 (9.8)	103858 (9.3)
106916 (10.2)	104015 (9.0)	104015 (9.0)	107424 (9.7)	106960 (9.0)
106926 (10.2)	106960 (9.0)	107555 (9.3)	107567 (9.6)	107005 (9.2)
107773 (9.3)	107005 (9.2)	107573 (9.4)	107580 (9.7)	107185 (9.3)
107774 (10.1)	107185 (9.3)	107576 (9.6)	107593 (9.4)	107279 (9.3)
107776 (10.2)	107317 (9.2)	107577 (9.4)	107595 (9.1)	107317 (9.2)
107803 (10.1)	107324 (9.1)	107594 (9.3)	107596 (9.5)	107324 (9.1)
107845 (10.1)	107475 (9.1)	107608 (9.7)	107738 (9.6)	107475 (9.1)
107880 (9.1)	107595 (9.1)	107970 (9.3)	107981 (9.5)	107880 (9.1)

Accessions with High Percentage Protein Content

ICB numbers of accessions with high percentage of protein of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1983 - 1984 season. Percentage protein content for each accession is shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
104542 (19.4)	103429 (18.2)	104597 (18.1)	104551 (18.9)	103801 (19.7)
104575 (20.0)	103430 (18.3)	104617 (18.5)	104596 (18.3)	104542 (19.4)
104584 (19.1)	103432 (18.0)	104620 (20.4)	104606 (18.3)	104543 (19.0)
104605 (19.3)	103744 (17.8)	104623 (19.0)	104676 (18.4)	104575 (20.0)
104771 (19.4)	103801 (19.7)	104876 (17.8)	105083 (18.7)	104584 (19.1)
105084 (20.7)	104620 (20.4)	105925 (17.9)	105085 (19.0)	104771 (19.4)
105088 (19.3)	104625 (17.9)	105975 (18.2)	105086 (18.6)	105084 (20.7)
105272 (21.6)	104764 (17.9)	105977 (18.0)	106162 (18.5)	105088 (19.3)
105783 (19.4)	105925 (17.9)	105978 (20.0)	106245 (18.4)	105272 (21.6)
105978 (20.0)	106679 (18.0)	106689 (17.5)	106330 (18.9)	105783 (19.4)

Lysine/protein ratio (LYS/PRO)

Percent lysine per unit of protein (absolute) (Tables 28,29 and Figures 14,15).

Table 28: Summary of statistics on lysine/protein ratio.
Season: 1982 - 1983

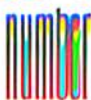
	All	Kernel row		Growth class		
						
	accessions	2R	6R	W	F	S
Mean	3.76	3.71	3.79	3.75	3.87	3.73
Maximum	5.06	4.55	5.06	4.60	4.48	5.06
Minimum	2.78	2.78	2.96	2.96	3.06	2.78
Range	2.28	1.77	2.10	1.64	1.42	2.28
Variance	0.06	0.05	0.06	0.05	0.07	0.06
CV(%)	6.58	6.30	6.61	6.04	6.74	6.69
Kurtosis	0.21	-0.21	0.21	0.24	-0.50	0.63
Skewness	0.27	-0.03	0.38	0.37	-0.11	0.31
No. of acc.	2979	988	1973	1118	465	1395

Table 29: Summary of statistics on lysine/protein ratio.
Season: 1983 - 1984

	All	Kernel row number		Growth class		
	accessions	2R	6R	W	F	S
Mean	3.78	3.69	3.86	3.86	3.79	3.77
Maximum	5.39	4.50	5.39	4.73	4.60	5.40
Minimum	2.18	2.70	2.18	2.41	3.16	2.18
Range	3.21	1.80	3.21	2.32	1.45	3.22
Variance	0.07	0.05	0.08	0.10	0.08	0.07
CV(%)	7.19	6.17	7.40	8.29	7.43	6.86
Kurtosis	4.77	0.23	5.61	0.54	2.63	1.14
Skewness	0.10	0.32	0.44	0.59	0.29	0.46
No. of acc.	4700	2036	2478	489	577	3614

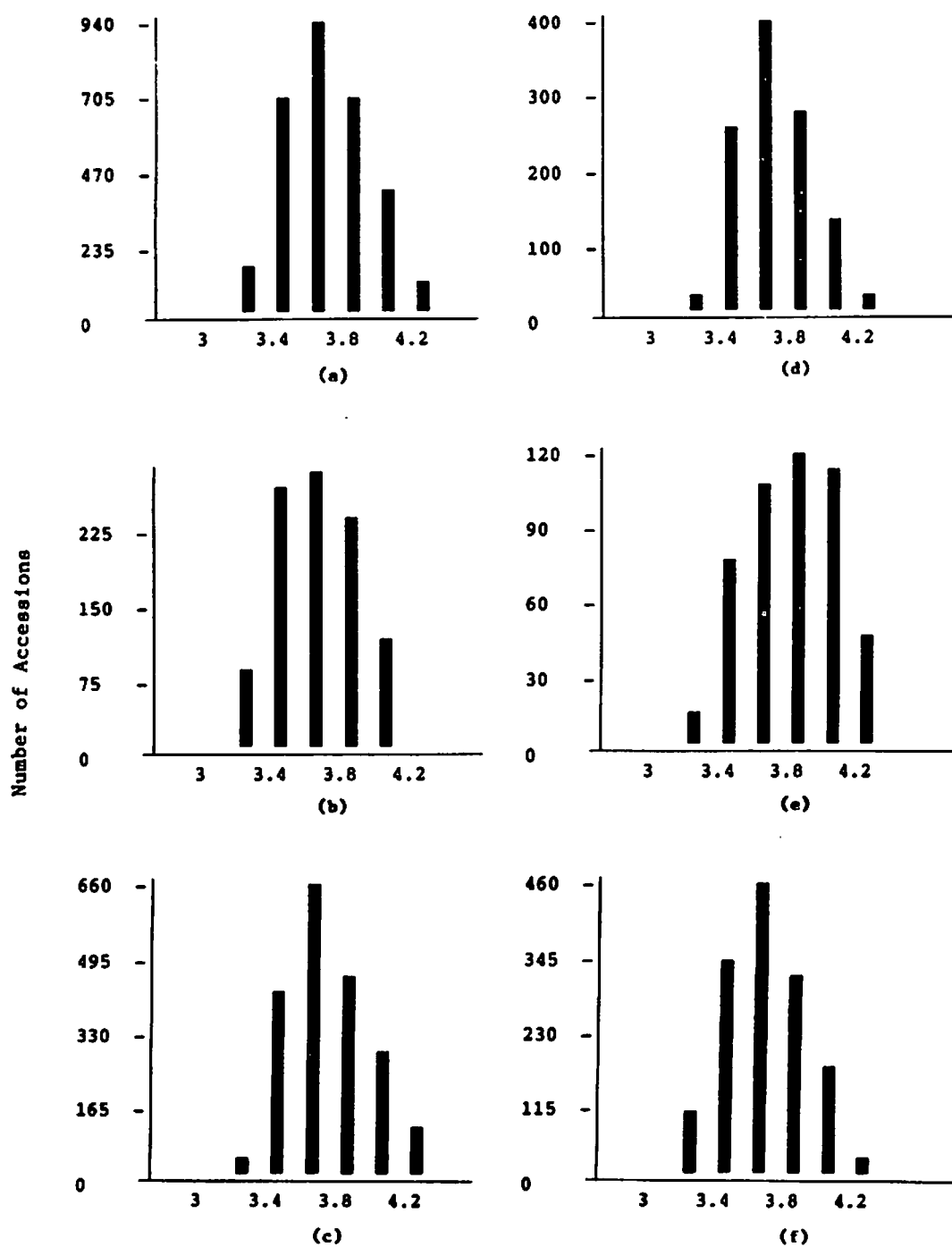


Figure 14 :Frequency distribution of lysine/protein ratio (1982-1983):
 (a) all accessions (b) two-rowed accessions, (c) six-rowed accessions, (d) winter type, (e) facultative type and (f) spring type.

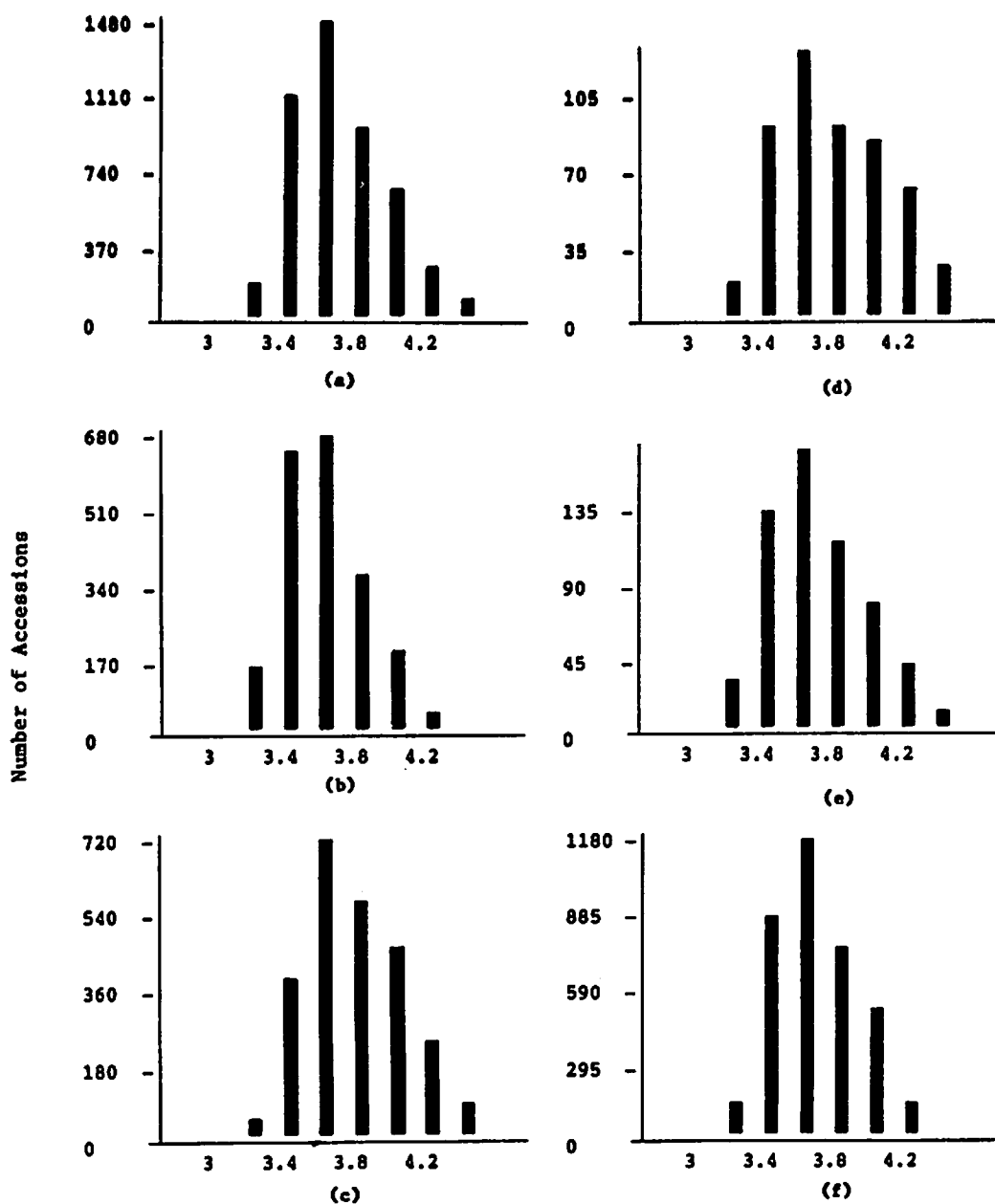


Figure 15 :Frequency distribution of lysine/protein ratio (1983-1984):
 (a) all accessions (b) two-rowed accessions, (c) six-rowed accessions, (d) winter type, (e) facultative type and (f) spring type.

Accessions with Low Lysine/Protein Ratio

ICB numbers of accessions with low lysine/protein ratio of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1982 - 1983 season. Lysine/protein ratio for each accession is shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
100273 (3.17)	100183 (3.15)	100258 (3.27)	100234 (3.11)	100183 (3.15)
100274 (3.18)	100184 (3.11)	100517 (3.24)	100372 (3.25)	100184 (3.11)
100428 (3.09)	100203 (3.06)	100772 (3.16)	100445 (3.31)	100203 (3.06)
100551 (3.09)	100225 (3.17)	100799 (3.25)	100552 (3.35)	100231 (3.12)
100568 (2.97)	100231 (3.12)	100808 (3.20)	100627 (3.06)	100241 (3.16)
100627 (3.06)	100234 (3.11)	100829 (3.21)	100710 (3.27)	100425 (3.10)
100772 (3.16)	100241 (3.16)	100831 (3.16)	100884 (3.28)	100428 (3.09)
101022 (3.16)	100425 (3.10)	101022 (3.16)	101071 (3.28)	100551 (3.09)
102572 (3.20)	100831 (3.16)	101064 (3.23)	101271 (3.19)	100568 (2.97)
102607 (3.15)	101145 (3.16)	101145 (3.16)	102631 (3.30)	102607 (3.15)

Accessions with High Lysine/Protein Ratio

ICB numbers of accessions with high lysine/protein ratio of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1982 - 1983 season. Lysine/protein ratio for each accession is shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
102030 (4.31)	100475 (4.46)	100475 (4.46)	102148 (4.40)	100481 (4.58)
102038 (4.33)	100481 (4.58)	102066 (4.38)	102237 (4.37)	100655 (4.58)
102050 (4.21)	100655 (4.58)	102161 (4.35)	102566 (4.37)	100691 (4.38)
102242 (4.19)	100927 (5.05)	102204 (4.60)	102638 (4.34)	100927 (5.05)
102393 (4.28)	102070 (4.48)	102636 (4.38)	102660 (4.44)	102070 (4.48)
102483 (4.20)	102191 (4.49)	102640 (4.37)	102661 (4.35)	102160 (4.44)
102812 (4.54)	102204 (4.60)	102644 (4.50)	102662 (4.43)	102191 (4.49)
102902 (4.20)	102644 (4.50)	102663 (4.36)	102677 (4.37)	102646 (4.40)
102909 (4.24)	102657 (4.60)	102664 (4.42)	102690 (4.47)	102657 (4.60)
102930 (4.20)	102690 (4.47)	102698 (4.38)	102765 (4.39)	102812 (4.54)

Accessions with Low Lysine/Protein Ratio

ICB numbers of accessions with low lysine/protein ratio of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1983 - 1984 season. Lysine/protein ratio for each accession is shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
103897 (2.70)	103399 (3.14)	103739 (2.41)	103552 (3.17)	103572 (3.00)
104878 (3.05)	103552 (3.17)	104620 (3.26)	103879 (3.24)	103575 (2.99)
104880 (3.15)	103556 (3.16)	104623 (3.27)	103992 (3.34)	103600 (3.02)
104925 (2.89)	103572 (3.00)	104876 (3.35)	104743 (3.33)	103639 (3.03)
105069 (3.15)	103600 (3.02)	105920 (3.33)	104760 (3.34)	103801 (2.18)
105077 (3.09)	103639 (3.03)	105925 (3.33)	104764 (3.33)	103897 (2.70)
105084 (2.88)	103739 (2.41)	105957 (3.32)	104807 (3.16)	104925 (2.89)
105272 (2.95)	103801 (2.18)	105961 (3.30)	105083 (3.32)	105084 (2.88)
105783 (2.83)	104790 (3.12)	105975 (3.28)	105085 (3.32)	105272 (2.95)
105978 (2.78)	105902 (3.23)	105978 (2.78)	105902 (3.23)	105783 (2.83)

Accessions with High Lysine/Protein Ratio

ICB numbers of accessions with high lysine/protein ratio of two-rowed (2R) and six-rowed (6R) plants, and of winter (W), facultative (F) and spring (S) types in 1983 - 1984 season. Lysine/protein ratio for each accession is shown in parenthesis.

Kernel row number		Growth class		
2R	6R	W	F	S
104109 (4.31)	103854 (4.73)	104015 (4.55)	106734 (4.45)	103858 (4.62)
104187 (4.33)	103858 (4.62)	106706 (4.50)	106735 (4.46)	106608 (5.39)
104195 (4.29)	106608 (5.39)	106781 (4.50)	106737 (4.44)	106960 (4.88)
104234 (4.31)	106960 (4.88)	107537 (4.48)	106754 (4.60)	106983 (4.60)
104481 (4.33)	106987 (4.62)	107555 (4.62)	107567 (4.47)	106987 (4.62)
106699 (4.38)	107005 (4.67)	107573 (4.57)	107592 (4.50)	107005 (4.67)
106706 (4.50)	107170 (4.68)	107574 (4.50)	107593 (4.57)	107164 (4.58)
106884 (4.31)	107185 (4.62)	107577 (4.57)	107595 (4.50)	107170 (4.68)
106916 (4.41)	107289 (5.27)	107583 (4.53)	107702 (4.47)	107185 (4.62)
107746 (4.32)	107555 (4.62)	107599 (4.48)	107738 (4.47)	107289 (5.27)

Tillering (TIL)**Descriptor states:**

Few tillers (scored 1) and many tillers (scored 2)(Table 30).

Table 30. Summary of statistics on tillering.

Descriptor state		All accessions	Kernel row number		Growth class		
			2R	6R	W	F	S
1	No. of acc.	7272	3109	4163	1509	979	4771
	Freq. %	92.4	94.4	91.0	92.7	92.2	92.4
2	No. of acc.	596	186	410	118	83	395
	Freq. %	7.6	5.6	9.0	7.3	7.8	7.6
Total							
No. of acc.		7868	3295	4573	1627	1062	5166

Resistance to lodging (LOD)**Descriptor states:**

Very good (scored 1), good (scored 3), fair (scored 5), poor (scored 7) and very poor (scored 9)(Table 31).

Table 31. Summary of statistics on resistance to lodging.

Descriptor state		Year of Evaluation		Kernel row number		Growth class		
		1983	1984	2R	6R	W	F	S
1	No. of acc.	248	-	69	179	138	31	79
	Freq. %	8.4	-	2.1	3.9	8.6	2.9	1.5
3	No. of acc.	562	4618	2341	2839	814	653	3709
	Freq. %	19.0	94.9	71.3	62.5	50.8	61.9	71.8
5	No. of acc.	616	225	257	584	252	106	483
	Freq. %	20.8	4.6	7.8	12.9	15.7	10.0	9.4
7	No. of acc.	939	25	385	579	298	184	482
	Freq. %	31.7	0.5	11.7	12.7	18.6	17.4	9.3
9	No. of acc.	594	-	232	362	101	81	411
	Freq. %	20.1	-	7.1	8.0	6.3	7.7	8.0
Total								
No. of acc.		2959	4868	3284	4543	1603	1055	5164

Table 32. ICB number of accessions with resistance to lodging.
All accessions scored 1 (very Good).

100169	100258	100593	100792	100872	101050	101583
100183	100259	100594	100793	100877	101051	101585
100184	100261	100595	100794	100878	101052	101587
100194	100290	100596	100795	100879	101053	101590
100197	100291	100597	100796	100884	101054	101597
100198	100294	100598	100797	100886	101055	101599
100199	100419	100599	100798	100887	101056	101600
100200	100420	100601	100799	100907	101057	101601
100201	100425	100604	100801	100925	101061	101670
100202	100428	100607	100802	100928	101077	101688
100203	100429	100609	100803	100970	101079	101708
100204	100430	100610	100804	100971	101080	101780
100205	100431	100612	100807	100973	101082	101783
100207	100432	100613	100808	100975	101083	101785
100212	100433	100615	100809	100983	101084	101799
100215	100434	100619	100824	100984	101092	101801
100216	100436	100628	100825	100985	101096	101802
100217	100437	100629	100826	101004	101209	101804
100218	100460	100633	100827	101005	101287	101813
100219	100471	100636	100828	101006	101312	101815
100221	100472	100637	100837	101007	101315	101827
100223	100503	100638	100839	101008	101316	101837
100224	100505	100639	100840	101009	101317	101838
100225	100512	100640	100841	101010	101319	101839
100226	100513	100641	100843	101011	101365	101842
100228	100514	100642	100844	101013	101366	101843
100230	100516	100649	100853	101014	101367	101844
100239	100518	100651	100854	101034	101368	101845
100241	100542	100652	100855	101035	101449	101846
100244	100561	100670	100859	101036	101450	101847
100246	100575	100786	100860	101037	101451	101848
100249	100588	100787	100861	101040	101473	101996
100250	100589	100788	100862	101041	101500	
100251	100590	100789	100863	101042	101527	
100253	100591	100790	100868	101048	101581	
100254	100592	100791	100871	101049	101582	

CORRELATION MATRIX OF CHARACTERS

A correlation matrix based on thirteen quantitative and qualitative traits is presented in Table 33. A correlation matrix of the characters can provide useful additional information when a search is made for one or more traits. When a query for a particular trait is required the matrix could be utilized to indicate which other traits are associated with that particular character and thus a sensible decision can be made in selecting suitable accessions. For example:

1. There was a high correlation between the number of days to maturity and plant height ($r = 0.83$). This would indicate that there are few accessions which are early maturing and tall.
2. A computer search for short plants will result also, in selecting accessions with resistance to lodging.

A query for winter type accessions will identify germplasm entries which are also late flowering.

Similarly, some of the other accessions which are of interest to the research scientist include:

1. Growth habit and its correlation to number of days to heading.
2. The positive association between early heading and early maturity and between short plants and high protein content.
3. The correlation between resistance to lodging, early maturity and reduced plant height.

The association between the different traits would indicate that genotypes with different combinations of these characters can be selected from the germplasm collection for improving production characters.

Table 33. Correlation coefficients between thirteen characters.

[illegible]

ANALYSIS OF DATA BY COUNTRY OF ORIGIN

The entries were grouped by country of origin where there were twenty or more accessions per country and the frequencies of the various phenotypes scored on a scale were examined (Table 34). An analysis of variance (Table 35) was also carried out on the basis of country of origin for seven quantitative traits (number of days to heading, number of days to maturity, plant height, number of spikelet groups per spike, 1000-kernel weight, protein percentage of kernels and lysine/protein ratio).

The phenotypic characters differed in their distribution as well as in the amount of variation. Awned types, stem color, lemma color, awn roughness and kernel cover were relatively monomorphic; tillering and spike density were more intermediate and growth habit, growth class, awn color, grain color, rachilla hair length and glume color were polymorphic traits. Greatest variation was observed in the Ethiopian germplasm except for rough awned types which would seem to be monomorphic in this country and in all the other countries as well. Six-rowed, rough awned barleys with white/brown lemma color, purple stem and covered grains were the predominant types present in the germplasm from the eighteen countries listed.

The analysis of variance for the seven quantitative traits indicated that the germplasm from the different countries were also very diverse with respect to these characters. The F-values were all very high and the means were significantly different from each other at the 5% probability level. The Duncan multiple range test indicated that no group could be established from the means.

The evaluation data on both the quantitative and qualitative traits characterised the particular type of germplasm from each country. A study of the data would also indicate that Ethiopia is a center of diversity and is a source for many agronomic traits. Important production characters can also be obtained from the germplasm collections available in the other countries. Germplasm with resistance to lodging can be identified in the materials from

Germany, the USA, Turkey, Switzerland, Colombia, Yugoslavia, the USSR and Morocco. Barley with relatively high number of tillers are also available from all these countries except Morocco. Short plants, early heading and early maturity types can be identified in the collections from Tunisia, Morocco, Pakistan, Afghanistan, Japan and Colombia. Some accessions with very high percentage protein content can be found in the germplasm from Ethiopia, Morocco, Switzerland, the USA and Germany. Thus, the geographical distribution of variation for the characters as indicated in Tables 34 and 35 would enable the scientist to identify the most probable sources of important and desirable traits.

Table 34 . Phenotypic proportions based on number of entries from each of 18 countries.

Country	Growth habit			Growth class			Row kernel number			Awn colour					Awn roughness	
of	Score			Score			Score			Score					Score	
origin	1	2	3	1	2	3	1	2	3	1	3	5	7	9	1	2
Ethiopia	802	896	7	33	236	2132	1283	246	717	197	626	935	385	264	8	2390
USA	132	411	341	485	139	264	695	170	21	675	148	0	1	10	227	605
Germany	182	532	45	150	176	525	478	343	17	558	225	31	9	19	61	781
Turkey	72	378	221	328	122	266	282	434	0	359	272	61	23	0	96	620
Switzerland	33	461	155	43	97	510	70	571	4	18	319	226	78	0	3	641
Colombia	0	0	0	5	42	515	552	9	0	15	367	180	0	0	14	545
Yugoslavia	21	66	65	160	41	74	192	83	0	102	48	120	4	0	7	268
USSR	2	55	164	156	32	58	178	66	0	144	48	47	4	3	8	237
South Africa	0	0	0	0	4	122	10	115	0	1	8	117	0	0	2	124
Morocco	18	82	0	1	20	80	93	6	1	6	46	38	10	1	2	99
Tunisia	7	84	0	2	10	80	91	0	1	21	71	0	0	0	0	92
Canada	42	26	15	16	7	65	81	7	0	68	16	4	0	0	56	32
Pakistan	0	0	0	0	3	82	85	0	0	74	11	0	0	0	0	85
Japan	16	29	12	42	5	12	47	11	0	1	5	50	2	0	0	59
Afghanistan	6	29	16	10	11	30	41	10	0	4	28	19	0	0	1	50
Austria	2	14	0	2	3	23	7	21	0	2	10	16	1	0	2	26
Bulgaria	0	2	23	25	1	0	26	0	0	22	4	0	0	0	0	26
China	3	3	1	5	2	12	15	4	0	3	11	4	0	0	1	18

Table 34 . Contd.

Country	Kernel covering		Rachilla hair length			Glume colour					Lemma colour		Kernel colour				
of	Score		Score			Score					Score		Score				
origin	1	2	1	2	3	1	3	5	7	9	1	2	1	2	3	4	5
Ethiopia	113	2286	1737	653	0	166	821	92	722	511	1674	719	52	543	666	802	145
USA	53	834	589	299	0	227	505	121	17	14	867	21	296	112	15	463	0
Germany	64	787	413	438	0	118	553	92	31	21	807	44	155	173	25	496	0
Turkey	1	715	316	397	3	184	462	36	10	7	701	14	153	162	2	395	2
Switzerland	27	615	397	251	0	134	467	4	1	6	636	1	6	92	1	509	5
Colombia	0	561	307	255	0	124	398	15	0	25	561	0	3	194	0	314	0
Yugoslavia	0	272	210	65	0	23	167	9	2	64	272	0	52	95	0	121	3
USSR	4	241	127	118	0	68	151	6	3	8	241	5	75	28	3	137	1
South Africa	0	126	96	30	0	1	113	0	0	11	126	0	0	11	0	108	0
Morocco	3	96	48	53	0	7	73	10	6	4	95	4	2	70	4	18	2
Tunisia	0	92	18	74	0	1	83	1	0	7	92	0	3	45	0	44	0
Canada	1	87	28	60	0	10	60	16	0	2	88	0	33	11	0	44	0
Pakistan	61	18	19	64	0	78	5	0	0	1	82	0	1	7	0	6	0
Japan	23	34	7	50	0	2	32	23	0	1	57	0	1	1	0	31	0
Afghanistan	5	46	39	12	0	37	11	0	0	3	51	0	0	17	0	28	1
Austria	1	27	13	14	0	20	8	0	0	0	28	0	2	2	0	23	0
Bulgaria	0	26	26	0	0	16	2	6	1	0	25	1	16	1	0	9	0
China	3	16	8	11	0	2	13	3	0	1	18	1	1	1	1	15	0

Table 34 . Contd.

Country of origin	Spike density			Stem colour			Hoodedness/ awnedness Score					Tillering		Resistance to lodging Score				
	Score			Score			Score					Score		Score				
	1	2	3	1	4	5	1	2	3	4	5	1	2	1	3	5	7	9
Ethiopia	898	1200	240	3	44	2360	0	0	0	2403	0	2205	202	5	2188	127	48	34
USA	39	691	158	0	8	880	9	30	30	780	39	808	81	158	260	195	170	75
Germany	45	703	104	0	25	827	5	0	7	838	2	810	42	15	100	178	389	165
Turkey	1	703	12	0	5	710	0	0	0	716	0	687	28	1	206	67	239	203
Switzerland	49	578	18	0	5	641	0	3	0	643	0	617	29	0	621	27	0	0
Colombia	1	551	10	0	1	561	0	0	0	562	0	505	57	0	504	50	7	0
Yugoslavia	9	257	9	0	2	272	0	0	0	275	0	254	21	10	199	37	21	8
USSR	5	228	11	0	1	245	0	0	1	244	0	223	23	2	172	44	20	7
South Africa	6	118	1	0	12	114	0	0	0	126	0	117	9	0	91	35	0	0
Morocco	7	75	18	2	1	98	0	0	0	101	0	94	7	0	101	0	0	0
Tunisia	3	83	6	0	0	92	0	0	0	92	0	85	7	0	4	3	14	71
Canada	2	75	11	0	0	88	0	0	0	88	0	84	4	15	30	13	17	13
Pakistan	0	85	0	0	0	85	0	0	0	85	0	76	9	0	64	12	9	0
Japan	0	9	49	0	0	58	0	0	0	58	0	51	7	0	55	1	1	0
Afghanistan	0	44	7	0	0	51	0	0	0	51	0	50	1	0	45	6	0	0
Austria	2	26	0	0	0	29	0	0	0	28	0	22	7	0	27	0	0	1
Bulgaria	1	22	3	0	0	26	0	0	0	26	0	26	0	10	7	5	3	1
China	0	17	2	0	1	18	0	1	0	18	0	17	2	0	6	3	7	3

Table 35. Minimum, Maximum, Mean & Standard deviation according to country of origin for 7 traits.

Country of origin	Days to heading				Days to maturity				Plant height				Spikelet groups/spike			
	Min	Max	Mean	S.D.	Min	Max	Mean	S.D.	Min	Max	Mean	S.D.	Min	Max	Mean	S.D.
AFG	123	143	132.29	0.89	154	173	161.37	0.93	35	50	44.71	0.71	13	36	23	0.75
AUT	122	146	134.29	1.00	157	192	166.04	1.78	40	105	58.57	2.86	17	40	26	1.08
BGR	128	163	154.65	1.38	190	200	194.19	0.43	85	105	96.15	1.19	16	25	21	0.47
CAN	120	167	134.52	1.00	161	197	187.46	0.75	50	115	87.11	1.32	12	29	23	0.35
CHE	117	172	134.41	0.30	150	180	163.38	0.23	35	90	52.98	0.28	12	48	28	0.18
CHN	109	151	130.95	2.53	138	194	173.05	3.94	50	105	81.32	4.42	16	36	25	1.09
COL	115	138	124.53	0.21	151	167	155.72	0.15	30	80	51.24	0.33	11	29	19	0.13
ETH	107	170	127.40	0.13	139	198	160.30	0.18	35	115	54.51	0.26	10	58	21	0.09
DEU	112	167	136.33	0.27	156	205	188.03	0.23	40	130	92.63	0.51	11	36	25	0.17
JPN	114	158	128.50	1.13	145	197	161.21	0.96	20	95	39.40	1.77	14	32	24	0.57
MAR	116	149	132.18	0.80	140	173	162.24	0.72	40	100	52.13	1.07	13	27	18	0.25
PAK	113	137	122.84	0.68	147	167	152.01	0.39	35	80	55.77	0.98	14	29	22	0.36
SUN	120	166	144.36	0.59	153	201	183.56	0.85	40	120	81.97	1.44	12	35	25	0.27
TUN	122	139	128.52	0.34	180	194	185.84	0.30	55	100	75.10	1.16	11	33	19	0.43
TUR	121	158	139.22	0.32	154	201	183.02	0.43	35	115	77.64	0.71	13	36	24	0.15
USA	105	167	140.23	0.29	164	206	189.70	0.16	30	125	92.55	0.52	10	38	24	0.13
YUG	119	167	143.02	0.57	150	201	178.33	0.73	35	115	71.39	1.27	11	35	22	0.33
ZAF	119	138	124.99	0.36	152	163	156.18	0.24	45	80	51.39	0.45	16	31	23	0.29
Overall	105	172	133.12	9.79	138	207	171.27	15.62	20	130	67.17	22.14	10	58	23	4.93
F Value	-	-	307.67	-	-	-	1142.60	-	-	-	627.38	-	-	-	146.14	-

Table 35 . Contd.

Country of origin	1000 Kernel weight				Protein percentage				Lysine/protein ratio			
	Min	Max	Mean	S.D.	Min	Max	Mean	S.D.	Min	Max	Mean	S.D.
AFG	23.20	42.50	33.08	0.80	9.50	15.40	12.48	0.20	3.38	4.39	3.92	0.08
AUT	23.70	44.40	36.31	1.09	9.90	16.90	13.81	0.37	3.36	4.41	3.71	0.05
BGR	26.20	39.60	32.67	0.74	10.90	13.60	12.07	0.16	3.46	4.22	3.71	0.03
CAN	21.70	44.30	34.45	0.42	9.10	14.90	11.41	0.11	3.33	4.10	3.70	0.02
CHE	14.60	52.60	35.98	0.23	9.80	20.40	14.45	0.08	3.16	4.34	3.71	0.01
CHN	24.30	42.90	32.97	1.59	10.70	14.20	12.56	0.27	3.16	4.34	3.84	0.06
COL	24.90	45.30	34.49	0.13	9.10	17.00	12.01	0.07	3.37	4.26	4.01	0.01
ETH	20.00	61.90	41.05	0.11	10.00	21.60	14.31	0.03	2.46	5.27	3.68	0.00
DEU	15.00	62.80	38.38	0.24	8.60	18.70	11.87	0.05	2.41	5.39	3.88	0.01
JPN	19.10	45.60	31.68	1.07	11.50	17.90	14.45	0.16	3.16	4.61	3.49	0.02
MAR	28.50	54.00	41.20	0.55	9.30	19.70	11.83	0.15	3.29	4.17	4.01	0.03
PAK	15.00	40.10	25.88	0.54	10.00	15.10	11.98	0.12	3.29	4.17	3.86	0.03
SUN	20.50	60.00	38.49	0.40	9.20	17.30	11.96	0.08	2.18	4.53	3.74	0.01
TUN	28.20	54.30	37.30	0.49	8.90	13.80	10.71	0.09	3.45	4.48	3.60	0.02
TUR	24.50	60.40	40.12	0.21	8.90	16.70	11.73	0.04	3.16	4.50	3.88	0.01
USA	14.60	61.70	34.64	0.29	8.60	19.00	12.42	0.05	3.27	4.38	3.69	0.01
YUG	22.30	60.70	35.57	0.42	9.00	17.80	12.36	0.11	2.96	4.60	3.83	0.02
ZAF	33.40	51.40	42.60	0.33	10.10	16.80	12.54	0.10	2.96	4.60	3.87	0.02
Overall	14.60	62.80	37.97	6.80	8.50	20.60	12.99	1.89	3.37	4.48	3.77	0.25
F Value	-	-	36.98	-	-	-	266.46	-	-	-	104.31	-

PASSPORT INFORMATION

Abbreviations used in listing the passport information

IG	ICARDA Germplasm accession number
ICB	ICARDA Barley accession number
PI	U.S.D.A Plant Inventory number
CI	U.S.D.A Cereal Investigation number
OTH.ACC NO/CULTIVAR	Any other identification number known to exist in other collections for a particular accession
SC.NAME	Genus and species of the accession
ORI	Country of origin
SOURCE	Donor country
H.vulg.	<i>Hordeum vulgare</i>
H.def.	<i>Hordeum deficiens</i>
H.dist.	<i>Hordeum distichum</i>
H.irreg.	<i>Hordeum irregulare</i>

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
16867	100001	PI 327741	H. vulg.	H Hor 3368\65	SUN	-	CAN
16868	100002	PI 327742	H. vulg.	H Hor 3369\65	SUN	-	CAN
16869	100003	PI 327743	H. vulg.	H Hor 3370\65	SUN	-	CAN
16870	100004	PI 327745	H. vulg.	H Hor 3372\65	SUN	-	CAN
16871	100005	PI 327746	H. vulg.	H Hor 3373\65	SUN	-	CAN
16872	100006	PI 327747	H. vulg.	H Hor 3374\65	SUN	-	CAN
16873	100007	PI 327748	H. vulg.	H Hor 3375\65	SUN	-	CAN
16874	100008	PI 327749	H. vulg.	H Hor 3376\65	SUN	-	CAN
16875	100009	PI 327750	H. vulg.	H Hor 3377\65	SUN	-	CAN
16876	100010	PI 327751	H. vulg.	H Hor 3378\65	SUN	-	CAN
16877	100011	PI 327752	H. vulg.	H Hor 3379\65	SUN	-	CAN
16878	100012	PI 327753	H. vulg.	H Hor 3380\65	SUN	-	CAN
16879	100013	PI 327754	H. vulg.	H Hor 3381\65	SUN	-	CAN
16880	100014	PI 327755	H. vulg.	H Hor 3392\65	SUN	-	CAN
16881	100015	PI 327756	H. vulg.	H Hor 3393\65	SUN	-	CAN
16882	100016	PI 327757	H. vulg.	H Hor 3394\65	SUN	-	CAN
16883	100017	PI 327758	H. vulg.	H Hor 3395\65	SUN	-	CAN
16884	100018	PI 327759	H. vulg.	H Hor 3396\65	SUN	-	CAN
16885	100019	PI 327760	H. vulg.	H Hor 3397\65	SUN	-	CAN
16886	100020	PI 327761	H. vulg.	H Hor 3398\65	SUN	-	CAN
16887	100021	PI 327762	H. vulg.	H Hor 3399\65	SUN	-	CAN
16888	100022	PI 327763	H. vulg.	H Hor 3400\65	SUN	-	CAN
16889	100023	PI 327764	H. vulg.	H Hor 3401\65	SUN	-	CAN
16890	100024	PI 327765	H. vulg.	H Hor 3402\65	SUN	-	CAN
16891	100025	PI 327766	H. vulg.	H Hor 3403\65	SUN	-	CAN
16892	100026	PI 327767	H. vulg.	H Hor 3404\65	SUN	-	CAN
16893	100027	PI 327768	H. vulg.	H Hor 3405\65	SUN	-	CAN
16894	100028	PI 327769	H. vulg.	H Hor 3406\65	SUN	-	CAN
16895	100029	PI 327770	H. vulg.	H Hor 3407\65	SUN	-	CAN
16896	100030	PI 327771	H. vulg.	H Hor 3409\65	SUN	-	CAN
16897	100031	PI 327772	H. vulg.	H Hor 3410\65	SUN	-	CAN
16898	100032	PI 327773	H. vulg.	H Hor 3411\65	SUN	-	CAN
16899	100033	PI 327774	H. vulg.	H Hor 3413\65	SUN	-	CAN
16900	100034	PI 327775	H. vulg.	H Hor 3414\65	SUN	-	CAN
16901	100035	PI 327776	H. vulg.	H Hor 3415\65	SUN	-	CAN
16902	100036	PI 327777	H. vulg.	H Hor 3416\65	SUN	-	CAN
16903	100037	PI 327778	H. vulg.	H Hor 3417\65	SUN	-	CAN
16904	100038	PI 327779	H. vulg.	H Hor 3428\65	SUN	-	CAN
16905	100039	PI 327780	H. vulg.	H Hor 3433\65	SUN	-	CAN
16906	100040	PI 327781	H. vulg.	H Hor 3434\65	SUN	-	CAN
16907	100041	PI 327782	H. vulg.	H Hor 3435\65	SUN	-	CAN
16908	100042	PI 327783	H. vulg.	H Hor 3436\65	SUN	-	CAN
16909	100043	PI 327784	H. vulg.	H Hor 3437\65	SUN	-	CAN
16910	100044	PI 327785	H. vulg.	H Hor 3438\65	SUN	-	CAN
16911	100045	PI 327786	H. vulg.	H Hor 3439\65	SUN	-	CAN
16912	100046	PI 327787	H. vulg.	H Hor 3440\65	SUN	-	CAN
16913	100047	-	-	-	UNK	-	UNK
16914	100048	PI 327788	H. vulg.	H Hor 3442\65	SUN	-	CAN
16915	100049	PI 327790	H. vulg.	H Hor 3444\65	SUN	-	CAN
16916	100050	PI 327791	H. vulg.	H Hor 3445\65	SUN	-	CAN
16917	100051	PI 327792	H. vulg.	H Hor 3446\65	SUN	-	CAN
16918	100052	PI 327793	H. vulg.	H Hor 3447\65	SUN	-	CAN
16919	100053	PI 327794	H. vulg.	H Hor 3448\65	SUN	-	CAN
16920	100054	PI 327795	H. vulg.	H Hor 3449\65	SUN	-	CAN
16921	100055	PI 327796	H. vulg.	H Hor 3450\65	SUN	-	CAN

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
16922	100056	-	-	-	UNK	-	UNK
16923	100057	PI 327798	H. vulg.	H Hor 3452\65	SUN	-	CAN
16924	100058	PI 327799	H. vulg.	H Hor 3453\65	SUN	-	CAN
16925	100059	PI 327800	H. vulg.	H Hor 3454\65	SUN	-	CAN
16926	100060	PI 327801	H. vulg.	H Hor 3455\65	SUN	-	CAN
16927	100061	PI 327802	H. vulg.	H Hor 3456\65	SUN	-	CAN
16928	100062	PI 327803	H. vulg.	H Hor 3457\65	SUN	-	CAN
16929	100063	-	-	-	UNK	-	UNK
16930	100064	-	-	-	UNK	-	UNK
16931	100065	PI 327806	H. vulg.	H Hor 3460\65	SUN	-	CAN
16932	100066	PI 327807	H. vulg.	H Hor 3461\65	SUN	-	CAN
16933	100067	PI 327808	H. vulg.	H Hor 3462\65	SUN	-	CAN
16934	100068	PI 327809	H. vulg.	H Hor 3463\65	SUN	-	CAN
16935	100069	PI 327810	H. vulg.	H Hor 3464\65	SUN	-	CAN
16936	100070	PI 327811	H. vulg.	H Hor 3465\65	SUN	-	CAN
16937	100071	PI 327812	H. vulg.	H Hor 3466\65	SUN	-	CAN
16938	100072	PI 327813	H. vulg.	H Hor 3467\65	SUN	-	CAN
16939	100073	PI 327814	H. vulg.	H Hor 3468\65	SUN	-	CAN
16940	100074	PI 327815	H. vulg.	H Hor 3469\65	SUN	-	CAN
16941	100075	PI 327816	H. vulg.	H Hor 3470\65	SUN	-	CAN
16942	100076	PI 327817	H. vulg.	H Hor 3471\65	SUN	-	CAN
16943	100077	PI 327818	H. vulg.	H Hor 3472\65	SUN	-	CAN
16944	100078	-	-	-	UNK	-	UNK
16945	100079	PI 327820	H. vulg.	H Hor 3475\65	SUN	-	CAN
16946	100080	PI 327821	H. vulg.	H Hor 3502\64	SUN	-	CAN
16947	100081	PI 327822	H. vulg.	H Hor 3503\64	SUN	-	CAN
16948	100082	PI 327823	H. vulg.	H Hor 3504\64	SUN	-	CAN
16949	100083	PI 327824	H. vulg.	H Hor 3505\64	SUN	-	CAN
16950	100084	PI 327825	H. vulg.	H Hor 3506\64	SUN	-	CAN
16951	100085	PI 327826	H. vulg.	H Hor 3509\64	SUN	-	CAN
16952	100086	PI 327828	H. vulg.	H Hor 3511\64	SUN	-	CAN
16953	100087	PI 327829	H. vulg.	H Hor 3512\64	SUN	-	CAN
16954	100088	PI 327830	H. vulg.	H Hor 4094\66	SUN	-	CAN
16955	100089	PI 327831	H. vulg.	H Hor 4099\66	SUN	-	CAN
16956	100090	PI 327832	H. vulg.	H Hor 4100\66	SUN	-	CAN
16957	100091	PI 327833	H. vulg.	H Hor 4101\66	SUN	-	CAN
16958	100092	PI 327834	H. vulg.	H Hor 4142\66	SUN	-	CAN
16959	100093	PI 327835	H. vulg.	H Hor 4143\66	SUN	-	CAN
16960	100094	PI 327836	H. vulg.	H Hor 4144\66	SUN	-	CAN
16961	100095	PI 327837	H. vulg.	H Hor 4152\66	SUN	-	CAN
16962	100096	PI 327838	H. vulg.	H Hor 4154\66	SUN	-	CAN
16963	100097	PI 327839	H. vulg.	H Hor 4155\66	SUN	-	CAN
16964	100098	PI 327840	H. vulg.	H Hor 4157\66	SUN	-	CAN
16965	100099	PI 327841	H. vulg.	H Hor 4158\66	SUN	-	CAN
16966	100100	PI 327842	H. vulg.	H Hor 4159\66	SUN	-	CAN
16967	100101	PI 327843	H. vulg.	H Hor 4160\66	SUN	-	CAN
16968	100102	PI 327844	H. vulg.	H Hor 4161\66	SUN	-	CAN
16969	100103	PI 327845	H. vulg.	H Hor 4162\66	SUN	-	CAN
16970	100104	PI 327846	H. vulg.	H Hor 4163\66	SUN	-	CAN
16971	100105	PI 327847	H. vulg.	H Hor 4164\66	SUN	-	CAN
16972	100106	PI 327848	H. vulg.	H Hor 4165\66	SUN	-	CAN
16973	100107	PI 327849	H. vulg.	H Hor 4167\66	SUN	-	CAN
16974	100108	PI 327850	H. vulg.	H Hor 4168\66	SUN	-	CAN
16975	100109	PI 327851	H. vulg.	H Hor 4169\66	SUN	-	CAN
16976	100110	PI 327852	H. vulg.	H Hor 4172\66	SUN	-	CAN

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
16977	100111	PI 327853	H. vulg.	H Hor 4173\66	SUN	-	CAN
16978	100112	PI 327854	H. vulg.	H Hor 4174\66	SUN	-	CAN
16979	100113	PI 327855	H. vulg.	H Hor 4175\66	SUN	-	CAN
16980	100114	PI 327856	H. vulg.	H Hor 4176\66	SUN	-	CAN
16981	100115	PI 327857	H. vulg.	H Hor 4177\66	SUN	-	CAN
16982	100116	PI 327858	H. vulg.	H Hor 4178\66	SUN	-	CAN
16983	100117	PI 327859	H. vulg.	H Hor 4181\66	SUN	-	CAN
16984	100118	PI 327860	H. vulg.	H Hor 4182\66	SUN	-	CAN
16985	100119	PI 327861	H. vulg.	H Hor 4185\66	SUN	-	CAN
16986	100120	-	-	-	UNK	-	UNK
16987	100121	PI 327863	H. vulg.	H Hor 4187\66	SUN	-	CAN
16988	100122	PI 327864	H. vulg.	H Hor 4188\66	SUN	-	CAN
16989	100123	PI 327865	H. vulg.	H Hor 3474\65	SUN	-	CAN
16990	100124	PI 327866	H. vulg.	H Hor 4153\65	SUN	-	CAN
16991	100125	PI 327867	H. vulg.	H Hor 2447\64	SUN	-	CAN
16992	100126	PI 327868	H. vulg.	H Hor 4170\66	SUN	-	CAN
16993	100127	PI 327869	H. vulg.	H Hor 4180\66	SUN	-	CAN
16994	100128	PI 327870	H. vulg.	H Hor 4097\66	SUN	-	CAN
16995	100129	PI 327871	H. vulg.	H Hor 3341\65	SUN	-	CAN
16996	100130	PI 327872	H. vulg.	H Hor 3346\65	SUN	-	CAN
16997	100131	PI 327873	H. vulg.	H Hor 3348\65	SUN	-	CAN
16998	100132	PI 327874	H. vulg.	H Hor 3349\65	SUN	-	CAN
16999	100133	PI 327875	H. vulg.	H Hor 3350\65	SUN	-	CAN
17000	100134	PI 327876	H. vulg.	H Hor 3351\65	SUN	-	CAN
17001	100135	PI 327877	H. vulg.	H Hor 3354\65	SUN	-	CAN
17002	100136	PI 327878	H. vulg.	H Hor 3430\65	SUN	-	CAN
17003	100137	PI 327879	H. vulg.	H Hor 4171\66	SUN	-	CAN
17004	100138	PI 327880	H. vulg.	H Hor 4189\66	SUN	-	CAN
17005	100139	PI 327881	H. vulg.	H Hor 4095\66	SUN	-	CAN
17006	100140	PI 327882	H. vulg.	H Hor 4096\66	SUN	-	CAN
17007	100141	PI 327884	H. vulg.	H Hor 3541\65	UNK	-	CAN
17008	100142	PI 327885	H. vulg.	H Hor 3788\66	UNK	-	CAN
17009	100143	PI 327886	H. vulg.	H Hor 3792\66	UNK	-	CAN
17010	100144	PI 327887	H. vulg.	H Hor 3794\66	UNK	-	CAN
17011	100145	PI 327888	H. vulg.	H Hor 3798\66	UNK	-	CAN
17012	100146	PI 327889	H. vulg.	H Hor 4090\66	UNK	-	CAN
17013	100147	PI 327890	H. vulg.	H Hor 4146\66	UNK	-	CAN
17014	100148	PI 327892	H. vulg.	H Hor 4766\66	UNK	-	CAN
17015	100149	PI 331146	H. vulg.	H Hor 3340\65	SUN	-	CAN
17016	100150	PI 331147	H. vulg.	H Hor 3378\65A	SUN	-	CAN
17017	100151	PI 331148	H. vulg.	H Hor 3417\65A	SUN	-	CAN
17018	100152	PI 331149	H. vulg.	H Hor 3421\65A	SUN	-	CAN
17019	100153	PI 331150	H. vulg.	H Hor 3422\65A	SUN	-	CAN
17020	100154	PI 331151	H. vulg.	H Hor 3472\65A	SUN	-	CAN
17021	100155	CI 14707	H. def.	-	USA	-	UNK
17022	100156	CI 14708	-	Buff II-36-24	USA	-	UNK
17023	100157	CI 14709	-	Spratt Archer	USA	-	UNK
17024	100158	CI 14710	H. def.	-	USA	-	UNK
17025	100159	CI 14711	-	-	USA	-	UNK
17026	100160	CI 14712	-	-	USA	-	UNK
17027	100161	CI 14713	-	-	USA	-	UNK
17028	100162	CI 14714	-	Himalaya	USA	-	UNK
17029	100163	CI 14715	-	Hybrid 68D	USA	-	UNK
17030	100164	CI 14716	H. def.	-	USA	-	UNK
17031	100165	CI 14717	-	Manchuria	USA	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
17032	100166	CI 14718	-	-	USA	-	UNK
17033	100167	CI 14719	-	Hybrid 28	USA	-	UNK
17034	100168	CI 14723	-	Good Zeocriton	USA	-	UNK
17035	100169	CI 14725	-	-	USA	-	UNK
17036	100170	CI 14726	-	Big Culm	USA	-	UNK
17037	100171	CI 14727	-	-	USA	-	UNK
17038	100172	CI 14728	-	-	USA	-	UNK
17039	100173	CI 14729	H. dist.	-	USA	-	UNK
17040	100174	CI 14730	-	-	USA	-	UNK
17041	100175	CI 14731	H. dist.	-	USA	-	UNK
17042	100176	CI 14732	H. dist.	-	USA	-	UNK
17043	100177	CI 14733	-	-	USA	-	UNK
17044	100178	CI 14734	-	-	USA	-	UNK
17045	100179	CI 14735	-	-	USA	-	UNK
17046	100180	CI 14736	-	-	USA	-	UNK
17047	100181	CI 14737	-	-	USA	-	UNK
17048	100182	CI 14738	-	-	USA	-	UNK
17049	100183	CI 14739	H. def.	-	USA	-	UNK
17050	100184	CI 14741	-	-	USA	-	UNK
17051	100185	CI 14742	-	-	USA	-	UNK
17052	100186	CI 14743	-	-	USA	-	UNK
17053	100187	CI 14744	H. dist.	-	USA	-	UNK
17054	100188	CI 14745	H. def.	New Pride and Joy	USA	-	UNK
17055	100189	CI 14746	-	-	USA	-	UNK
17056	100190	CI 14747	H. dist.	-	USA	-	UNK
17057	100191	CI 14748	H. dist.	-	USA	-	UNK
17058	100192	CI 14749	-	-	USA	-	UNK
17059	100193	CI 14750	H. dist.	-	USA	-	UNK
17060	100194	CI 14751	-	-	USA	-	UNK
17061	100195	CI 14752	H. def.	-	USA	-	UNK
17062	100196	CI 14753	-	-	USA	-	UNK
17063	100197	CI 14754	-	-	USA	-	UNK
17064	100198	CI 14755	-	-	USA	-	UNK
17065	100199	CI 14756	-	-	USA	-	UNK
17066	100200	CI 14757	-	-	USA	-	UNK
17067	100201	CI 14758	-	-	USA	-	UNK
17068	100202	CI 14759	-	-	USA	-	UNK
17069	100203	CI 14760	-	-	USA	-	UNK
17070	100204	CI 14761	-	-	USA	-	UNK
17071	100205	CI 14763	-	-	USA	-	UNK
17072	100206	CI 14764	-	-	USA	-	UNK
17073	100207	CI 14765	-	-	USA	-	UNK
17074	100208	CI 14766	-	-	USA	-	UNK
17075	100209	CI 14769	H. dist.	-	USA	-	UNK
17076	100210	CI 14770	-	-	USA	-	UNK
17077	100211	CI 14771	-	-	USA	-	UNK
17078	100212	CI 14772	-	-	USA	-	UNK
17079	100213	CI 14774	H. dist.	-	USA	-	UNK
17080	100214	CI 14775	-	-	USA	-	UNK
17081	100215	CI 14777	-	-	USA	-	UNK
17082	100216	CI 14778	-	-	USA	-	UNK
17083	100217	CI 14779	-	-	USA	-	UNK
17084	100218	CI 14787	-	-	USA	-	UNK
17085	100219	CI 14789	H. dist.	-	USA	-	UNK
17086	100220	CI 14790	H. def.	-	USA	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
17087	100221	CI 14791	H. def.	-	USA	-	UNK
17088	100222	CI 14792	-	-	USA	-	UNK
17089	100223	CI 14794	-	-	USA	-	UNK
17090	100224	CI 14796	-	Purple Pom Pom	USA	-	UNK
17091	100225	CI 14797	-	Funny Joints	USA	-	UNK
17092	100226	CI 14798	-	Purple Pom Pom	USA	-	UNK
17093	100227	CI 14800	-	-	USA	-	UNK
17094	100228	CI 14801	-	-	USA	-	UNK
17095	100229	CI 14802	H. dist.	-	USA	-	UNK
17096	100230	CI 14803	-	-	USA	-	UNK
17097	100231	CI 14805	-	-	USA	-	UNK
17098	100232	CI 14806	-	-	USA	-	UNK
17099	100233	CI 14807	-	-	USA	-	UNK
17100	100234	CI 14808	-	-	USA	-	UNK
17101	100235	CI 14809	-	-	USA	-	UNK
17102	100236	CI 14810	-	-	USA	-	UNK
17103	100237	CI 14811	H. dist.	-	USA	-	UNK
17104	100238	CI 14812	-	-	USA	-	UNK
17105	100239	CI 14813	-	-	USA	-	UNK
17106	100240	CI 14814	H. dist.	-	USA	-	UNK
17107	100241	CI 14815	-	-	USA	-	UNK
17108	100242	CI 14816	H. dist.	-	USA	-	UNK
17109	100243	CI 14817	-	-	USA	-	UNK
17110	100244	CI 14818	-	-	USA	-	UNK
17111	100245	CI 14819	-	-	USA	-	UNK
17112	100246	CI 14820	H. dist.	-	USA	-	UNK
17113	100247	CI 14821	-	-	USA	-	UNK
17114	100248	CI 14822	-	Zigzag	USA	-	UNK
17115	100249	CI 14824	H. def.	Steve's Pride and Joy	USA	-	UNK
17116	100250	CI 14825	-	-	USA	-	UNK
17117	100251	CI 14826	H. dist.	-	USA	-	UNK
17118	100252	CI 14827	H. dist.	-	USA	-	UNK
17119	100253	CI 14828	H. dist.	-	USA	-	UNK
17120	100254	CI 14829	H. dist.	-	USA	-	UNK
17121	100255	CI 14830	H. dist.	-	USA	-	UNK
17122	100256	CI 14831	-	Burma Girl	USA	-	UNK
17123	100257	CI 14832	-	Burma Girl	USA	-	UNK
17124	100258	CI 14833	H. dist.	-	USA	-	UNK
17125	100259	CI 14834	H. dist.	-	USA	-	UNK
17126	100260	CI 14835	H. def.	-	USA	-	UNK
17127	100261	CI 14836	H. dist.	-	USA	-	UNK
17128	100262	CI 14837	H. dist.	-	USA	-	UNK
17129	100263	CI 14838	-	-	USA	-	UNK
17130	100264	CI 14839	-	-	USA	-	UNK
17131	100265	CI 14840	H. dist.	-	USA	-	UNK
17132	100266	CI 14843	-	Yukon	USA	-	UNK
17133	100267	CI 14844	H. dist.	Clipper	UNK	-	UNK
17134	100268	CI 14845	H. dist.	Ketch	UNK	-	UNK
17135	100269	CI 14846	-	Siri	UNK	-	UNK
17136	100270	CI 14847	H. irreg.	ELS 6402-431	ETH	-	UNK
17137	100271	CI 14848	H. irreg.	ELS 6402-432	ETH	-	UNK
17138	100272	CI 14849	H. vulg.	ELS 6402-433	ETH	-	UNK
17139	100273	CI 14850	H. dist.	ELS 6402-434	ETH	-	UNK
17140	100274	CI 14851	H. dist.	ELS 6402-435	ETH	-	UNK
17141	100275	CI 14852	H. dist.	ELS 6402-436	ETH	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTTVAR	ORI	PROVINCE	SOURCE
17142	100276	CI 14853	H. dist.	ELS 6402-437	ETH	-	UNK
17143	100277	CI 14854	H. irreg.	ELS 6402-438	ETH	-	UNK
17144	100278	CI 14855	-	ELS 6402-439	ETH	-	UNK
17145	100279	CI 14856	H. irreg.	ELS 6402-440	ETH	-	UNK
17146	100280	CI 14857	H. vulg.	ELS 6402-441	ETH	-	UNK
17147	100281	CI 14858	H. vulg.	ELS 6402-442	ETH	-	UNK
17148	100282	CI 14859	H. dist.	ELS 6402-443	ETH	-	UNK
17149	100283	CI 14860	H. dist.	ELS 6402-444	ETH	-	UNK
17150	100284	CI 14861	H. dist.	ELS 6402-445	ETH	-	UNK
17151	100285	CI 14862	H. dist.	ELS 6402-446	ETH	-	UNK
17152	100286	CI 14863	H. vulg.	ELS 6402-447	ETH	-	UNK
17153	100287	CI 14865	H. irreg.	ELS 6402-450	ETH	-	UNK
17154	100288	CI 14866	H. vulg.	ELS 6402-451	ETH	-	UNK
17155	100289	CI 14867	H. vulg.	ELS 6402-452	ETH	-	UNK
17156	100290	CI 14868	H. vulg.	ELS 6402-453	ETH	-	UNK
17157	100291	CI 14869	H. irreg.	ELS 6402-455	ETH	-	UNK
17158	100292	CI 14870	H. vulg.	ELS 6402-457	ETH	-	UNK
17159	100293	CI 14871	H. vulg.	ELS 6402-458	ETH	-	UNK
17160	100294	CI 14872	H. dist.	ELS 6402-459	ETH	-	UNK
17161	100295	CI 14873	H. dist.	ELS 6402-460	ETH	-	UNK
17162	100296	CI 14874	H. dist.	ELS 6402-461	ETH	-	UNK
17163	100297	CI 14875	H. vulg.	ELS 6402-462	ETH	-	UNK
17164	100298	CI 14876	H. dist.	ELS 6402-463	ETH	-	UNK
17165	100299	CI 14877	-	ELS 6402-464	ETH	-	UNK
17166	100300	CI 14878	H. dist.	ELS 6402-465	ETH	-	UNK
17167	100301	CI 14879	H. dist.	ELS 6402-466	ETH	-	UNK
17168	100302	CI 14880	H. vulg.	ELS 6402-467	ETH	-	UNK
17169	100303	CI 14881	H. vulg.	ELS 6402-467	ETH	-	UNK
17170	100304	CI 14882	H. dist.	ELS 6402-468	ETH	-	UNK
17171	100305	CI 14883	H. vulg.	ELS 6402-469	ETH	-	UNK
17172	100306	CI 14884	H. dist.	ELS 6402-470	ETH	-	UNK
17173	100307	CI 14885	H. irreg.	ELS 6402-471	ETH	-	UNK
17174	100308	CI 14886	H. irreg.	ELS 6402-472	ETH	-	UNK
17175	100309	CI 14887	H. irreg.	ELS 6402-473	ETH	-	UNK
17176	100310	CI 14888	H. vulg.	ELS 6402-474	ETH	-	UNK
17177	100311	CI 14889	H. vulg.	ELS 6402-475	ETH	-	UNK
17178	100312	CI 14890	-	ELS 6402-476	ETH	-	UNK
17179	100313	CI 14891	H. dist.	ELS 6402-477	ETH	-	UNK
17180	100314	CI 14892	H. vulg.	ELS 6402-478	ETH	-	UNK
17182	100315	CI 14893	H. vulg.	ELS 6402-479	ETH	-	UNK
17183	100316	CI 14894	H. vulg.	ELS 6402-480	ETH	-	UNK
17184	100317	CI 14895	H. irreg.	ELS 6402-481	ETH	-	UNK
17185	100318	CI 14896	H. irreg.	ELS 6402-482	ETH	-	UNK
17186	100319	CI 14897	H. irreg.	ELS 6402-483	ETH	-	UNK
17187	100320	CI 14898	H. vulg.	ELS 6402-484	ETH	-	UNK
17188	100321	CI 14899	H. irreg.	ELS 6402-485	ETH	-	UNK
17189	100322	CI 14900	H. dist.	ELS 6402-486	ETH	-	UNK
17190	100323	CI 14901	H. dist.	7	ETH	-	UNK
17191	100324	CI 14902	H. irreg.	ELS 6402-488	ETH	-	UNK
17192	100325	CI 14903	H. vulg.	ELS 6402-489	ETH	-	UNK
17193	100326	CI 14904	H. irreg.	ELS 6402-490	ETH	-	UNK
17194	100327	CI 14905	H. irreg.	ELS 6402-491	ETH	-	UNK
17195	100328	CI 14906	H. irreg.	ELS 6402-492	ETH	-	UNK
17196	100329	CI 14907	H. irreg.	ELS 6402-493	ETH	-	UNK
17197	100330	CI 14908	H. vulg.	ELS 6402-494	ETH	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
17198	100331	CI 14909	H. irreg.	ELS 6402-496	ETH	-	UNK
17199	100332	CI 14910	H. dist.	ELS 6402-497	ETH	-	UNK
17200	100333	CI 14911	H. vulg.	ELS 6402-498	ETH	-	UNK
17201	100334	CI 14912	H. irreg.	ELS 6402-499	ETH	-	UNK
17202	100335	CI 14913	H. irreg.	ELS 6402-500	ETH	-	UNK
17203	100336	CI 14914	H. vulg.	ELS 6402-501	ETH	-	UNK
17204	100337	CI 14915	H. irreg.	ELS 6402-502	ETH	-	UNK
17205	100338	CI 14916	H. vulg.	ELS 6402-503	ETH	-	UNK
17206	100339	CI 14917	H. irreg.	ELS 6402-504	ETH	-	UNK
17207	100340	CI 14918	H. irreg.	ELS 6402-505	ETH	-	UNK
17208	100341	CI 14919	H. vulg.	ELS 6402-506	ETH	-	UNK
17209	100342	CI 14920	H. vulg.	ELS 6402-507	ETH	-	UNK
17210	100343	CI 14921	H. vulg.	ELS 6402-508	ETH	-	UNK
17211	100344	CI 14922	H. vulg.	ELS 6402-509	ETH	-	UNK
17212	100345	CI 14923	H. vulg.	ELS 6402-510	ETH	-	UNK
17213	100346	CI 14924	H. irreg.	ELS 6402-511	ETH	-	UNK
17214	100347	CI 14925	H. vulg.	ELS 6402-512	ETH	-	UNK
17215	100348	CI 14926	H. vulg.	ELS 6402-513	ETH	-	UNK
17216	100349	CI 14927	H. vulg.	ELS 6402-514	ETH	-	UNK
17217	100350	CI 14928	H. vulg.	ELS 6402-515	ETH	-	UNK
17218	100351	CI 14929	H. vulg.	ELS 6402-516	ETH	-	UNK
17219	100352	CI 14930	H. irreg.	ELS 6402-517	ETH	-	UNK
17220	100353	CI 14931	H. vulg.	ELS 6402-518	ETH	-	UNK
17221	100354	CI 14933	H. vulg.	ELS 6402-520	ETH	-	UNK
17222	100355	CI 14934	H. irreg.	ELS 6402-521	ETH	-	UNK
17223	100356	CI 14935	H. dist.	ELS 6402-522	ETH	-	UNK
17224	100357	CI 14936	H. irreg.	ELS 6402-523	ETH	-	UNK
17225	100358	CI 14937	H. irreg.	ELS 6402-524	ETH	-	UNK
17226	100359	CI 14938	H. irreg.	ELS 6402-525	ETH	-	UNK
17227	100360	CI 14939	H. vulg.	ELS 6402-526	ETH	-	UNK
17228	100361	CI 14940	H. vulg.	ELS 6402-527	ETH	-	UNK
17229	100362	CI 14941	H. vulg.	ELS 6402-528	ETH	-	UNK
17230	100363	CI 14942	H. irreg.	ELS 6402-529	ETH	-	UNK
17231	100364	CI 14943	H. irreg.	ELS 6402-530	ETH	-	UNK
17231	100365	CI 14944	H. vulg.	ELS 6402-531	ETH	-	UNK
17232	100366	CI 14945	H. irreg.	ELS 6402-532	ETH	-	UNK
17233	100367	CI 14946	H. dist.	ELS 6402-533	ETH	-	UNK
17234	100368	CI 14947	H. irreg.	ELS 6402-534	ETH	-	UNK
17235	100369	CI 14948	-	ELS 6402-535	ETH	-	UNK
17236	100370	CI 14949	H. dist.	ELS 6402-536	ETH	-	UNK
17237	100371	CI 14950	H. irreg.	ELS 6402-537	ETH	-	UNK
17238	100372	CI 14951	H. irreg.	ELS 6402-538	ETH	-	UNK
17239	100373	CI 14952	H. irreg.	ELS 6402-539	ETH	-	UNK
17240	100374	CI 14953	H. irreg.	ELS 6402-540	ETH	-	UNK
17241	100375	CI 14954	H. irreg.	ELS 6402-541	ETH	-	UNK
17242	100376	CI 14955	H. dist.	ELS 6402-542	ETH	-	UNK
17243	100377	CI 14956	H. irreg.	ELS 6402-543	ETH	-	UNK
17244	100378	CI 14957	H. irreg.	ELS 6402-544	ETH	-	UNK
17245	100379	CI 14958	H. irreg.	ELS 6402-545	ETH	-	UNK
17246	100380	CI 14959	H. dist.	ELS 6402-546	ETH	-	UNK
17247	100381	CI 14960	H. vulg.	ELS 6402-547	ETH	-	UNK
17248	100382	CI 14961	H. vulg.	ELS 6402-548	ETH	-	UNK
17249	100383	CI 14962	H. dist.	ELS 6402-549	ETH	-	UNK
17250	100384	CI 14963	H. vulg.	ELS 6402-550	ETH	-	UNK
17251	100385	CI 14964	H. vulg.	ELS 6402-551	ETH	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
17252	100386	CI 14965	H. dist.	ELS 6402-552	ETH	-	UNK
17253	100387	CI 14966	H. dist.	ELS 6402-553	ETH	-	UNK
17254	100388	CI 14967	H. irreg.	ELS 6402-554	ETH	-	UNK
17255	100389	CI 14968	H. vulg.	ELS 6402-555	ETH	-	UNK
17256	100390	CI 14969	H. vulg.	ELS 6402-556	ETH	-	UNK
17257	100391	CI 14970	H. vulg.	ELS 6402-557	ETH	-	UNK
17258	100392	CI 14971	H. irreg.	ELS 6402-558	ETH	-	UNK
17259	100393	CI 14972	H. vulg.	ELS 6402-559	ETH	-	UNK
17260	100394	CI 14973	H. vulg.	ELS 6402-560	ETH	-	UNK
17261	100395	CI 14974	H. irreg.	ELS 6402-561	ETH	-	UNK
17262	100396	CI 14975	H. dist.	ELS 6402-562	ETH	-	UNK
17263	100397	CI 14976	H. dist.	ELS 6402-563	ETH	-	UNK
17264	100398	CI 14977	H. dist.	ELS 6402-564	ETH	-	UNK
17265	100399	CI 14978	H. dist.	ELS 6402-565	ETH	-	UNK
17266	100400	CI 14979	H. dist.	ELS 6402-566	ETH	-	UNK
17267	100401	CI 14980	H. vulg.	ELS 6402-567	ETH	-	UNK
17268	100402	CI 14981	H. vulg.	ELS 6402-568	ETH	-	UNK
17269	100403	CI 14982	H. irreg.	ELS 6402-569	ETH	-	UNK
17270	100404	CI 14983	H. irreg.	ELS 6402-570	ETH	-	UNK
17271	100405	CI 14984	H. dist.	ELS 6402-571	ETH	-	UNK
17272	100406	CI 14985	H. dist.	ELS 6402-572	ETH	-	UNK
17273	100407	CI 14986	H. dist.	ELS 6402-573	ETH	-	UNK
17274	100408	CI 14987	H. dist.	ELS 6402-574	ETH	-	UNK
17275	100409	CI 14988	H. irreg.	ELS 6402-575	ETH	-	UNK
17276	100410	CI 14989	H. irreg.	ELS 6402-576	ETH	-	UNK
17277	100411	CI 14990	H. vulg.	ELS 6402-577	ETH	-	UNK
17278	100412	CI 14991	H. vulg.	ELS 6402-578	ETH	-	UNK
17279	100413	CI 14992	H. irreg.	ELS 6402-579	ETH	-	UNK
17280	100414	CI 14993	H. def.	ELS 6402-580	ETH	-	UNK
17281	100415	CI 14994	H. vulg.	ELS 6402-581	ETH	-	UNK
17282	100416	CI 14995	H. irreg.	ELS 6402-582	ETH	-	UNK
17283	100417	CI 14996	-	ELS 6402-583	ETH	-	UNK
17284	100418	CI 14997	H. vulg.	ELS 6402-584	ETH	-	UNK
17285	100419	CI 14998	H. vulg.	ELS 6402-585	ETH	-	UNK
17286	100420	CI 14999	H. vulg.	ELS 6402-586	ETH	-	UNK
17287	100421	CI 15000	H. vulg.	ELS 6402-462	ETH	-	UNK
17288	100422	CI 15001	H. vulg.	ELS 6402-462	ETH	-	UNK
17289	100423	CI 15002	H. dist.	ELS 6402-463	ETH	-	UNK
17290	100424	CI 15003	H. dist.	ELS 6402-463	ETH	-	UNK
17291	100425	PI 347752	H. vulg.	Iris	UNK	-	FRA
17292	100426	PI 347753	H. vulg.	-	UNK	-	FRA
17293	100427	PI 347754	H. vulg.	-	UNK	-	FRA
17294	100428	PI 347750	H. dist.	-	UNK	-	FRA
17295	100429	PI 347751	H. dist.	-	UNK	-	FRA
17296	100430	PI 349355	H. vulg.	RPB 1	UNK	-	GBR
17297	100431	PI 349356	H. vulg.	RPB 2	UNK	-	GBR
17298	100432	PI 349357	H. vulg.	RPB 3	UNK	-	GBR
17299	100433	PI 349358	H. vulg.	RPB 4	UNK	-	GBR
17300	100434	PI 349359	H. vulg.	RPB 5	UNK	-	GBR
17301	100435	PI 349360	H. vulg.	RPB 6	UNK	-	GBR
17302	100436	PI 349361	H. vulg.	RPB 7	UNK	-	GBR
17303	100437	PI 349362	H. vulg.	RPB 8	UNK	-	GBR
17304	100438	PI 349363	H. vulg.	RPB 9	UNK	-	GBR
17305	100439	PI 349364	H. vulg.	RPB 10	UNK	-	GBR
17306	100440	PI 349365	H. vulg.	RPB 11	UNK	-	GBR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTTVAR	ORI	PROVINCE	SOURCE
17307	100441	PI 349637	H. vulg.	05 0024	JPN	-	JPN
17308	100442	PI 349678	H. vulg.	HA 9-63-1	FIN	-	FIN
17309	100443	PI 349679	H. vulg.	HA 9-63-2	FIN	-	FIN
17310	100444	PI 349680	H. vulg.	HA 9-63-4	FIN	-	FIN
17311	100445	PI 349681	H. vulg.	HA 9-63-8	FIN	-	FIN
17312	100446	PI 349682	H. vulg.	HA 21	FIN	-	FIN
17313	100447	PI 340977	H. vulg.	H Hor 4272\68	SUN	Nossen	DEU
17314	100448	PI 340979	H. vulg.	H Hor 3323\68	SUN	Odessa	DEU
17315	100449	PI 340980	H. vulg.	H Hor 3322\68	SUN	Odessa	DEU
17316	100450	PI 340981	H. vulg.	H Hor 3395\68	SUN	Stavropol	DEU
17317	100451	PI 340982	H. vulg.	H Hor 3399\68	SUN	Stavropol	DEU
17318	100452	PI 340983	H. vulg.	Sgt 2\67	DEU	DSG Quedlinbur	DEU
17319	100453	PI 343933	H. dist.	6923	ETH	Addis Ababa	ETH
17320	100454	PI 341793	H. vulg.	K-16948	UNK	-	SUN
17321	100455	PI 341794	H. vulg.	K-18469	UNK	-	SUN
17322	100456	PI 341795	H. vulg.	K-19690	SUN	Odessa	SUN
17323	100457	PI 341796	H. vulg.	K-19789	SUN	Odessa	SUN
17324	100458	CI 15038	-	-	UNK	-	UNK
17325	100459	CI 15039	-	-	USA	-	UNK
17326	100460	CI 15040	-	-	UNK	-	UNK
17327	100461	PI 341946	H. vulg.	-	UNK	-	ROM
17328	100462	PI 341947	H. vulg.	-	UNK	-	ROM
17329	100463	PI 341948	H. vulg.	-	UNK	-	ROM
17330	100464	PI 341949	H. vulg.	-	UNK	-	ROM
17331	100465	PI 341950	H. vulg.	-	UNK	-	ROM
17332	100466	PI 341951	H. vulg.	-	UNK	-	ROM
17333	100467	PI 341952	H. vulg.	-	UNK	-	ROM
17334	100468	PI 345614	H. dist.	K-18331	SUN	Ukraine	SUN
17335	100469	PI 345615	H. dist.	K-18117	SUN	Latvia	SUN
17336	100470	PI 345616	H. dist.	K-19829	SUN	Krasnoyarsk	SUN
17337	100471	PI 345617	H. dist.	K-19417	SUN	Moscow	SUN
17338	100472	PI 345618	H. dist.	K-17843	SUN	Omsk	SUN
17339	100473	PI 345619	H. dist.	K-16953	SUN	Saratov	SUN
17340	100474	PI 345620	H. vulg.	K-15240	SUN	Dagestan	SUN
17341	100475	PI 345621	H. vulg.	K-19636	SUN	Rostov	SUN
17342	100476	PI 345622	H. vulg.	K-13061	SUN	Odessa	SUN
17343	100477	PI 345623	H. vulg.	K-19690	SUN	Odessa	SUN
17344	100478	PI 344025	H. vulg.	B br-10	UNK	-	IND
17345	100479	PI 344026	H. vulg.	B br-12	UNK	-	IND
17346	100480	PI 344027	H. vulg.	B br-25	UNK	-	IND
17347	100481	PI 344029	H. vulg.	C 163	UNK	-	IND
17348	100482	PI 344860	H. vulg.	ISG 1	YUG	Serbia	YUG
17349	100483	PI 344861	H. vulg.	ISG 2	YUG	Serbia	YUG
17350	100484	PI 344862	H. vulg.	ISG 3	YUG	Serbia	YUG
17351	100485	PI 344863	H. vulg.	ISG 4	YUG	Serbia	YUG
17352	100486	PI 344864	H. vulg.	ISG 5	YUG	Macedonia	YUG
17353	100487	PI 344865	H. vulg.	ISG 6	YUG	Serbia	YUG
17354	100488	PI 344866	H. vulg.	ISG 7	YUG	Serbia	YUG
17355	100489	PI 344867	H. vulg.	ISG 8	YUG	Serbia	YUG
17356	100490	PI 344868	H. vulg.	ISG 9	YUG	Serbia	YUG
17357	100491	PI 344869	H. vulg.	ISG 10	YUG	Serbia	YUG
17358	100492	PI 344870	H. vulg.	ISG 11	YUG	Macedonia	YUG
17359	100493	PI 344871	H. vulg.	ISG 12	YUG	Macedonia	YUG
17360	100494	PI 344872	H. vulg.	ISG 13	YUG	Macedonia	YUG
17361	100495	PI 344873	H. vulg.	ISG 14	YUG	Serbia	YUG

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
17362	100496	PI 344874	H. vulg.	ISG 15	YUG	Macedonia	YUG
17363	100497	PI 344875	H. vulg.	ISG 16	YUG	Macedonia	YUG
17364	100498	PI 344876	H. vulg.	ISG 17	YUG	Serbia	YUG
17365	100499	PI 344877	H. vulg.	ISG 18	YUG	Macedonia	YUG
17366	100500	PI 344878	H. vulg.	ISG 19	YUG	Macedonia	YUG
17367	100501	PI 344879	H. vulg.	ISG 20	YUG	Macedonia	YUG
17368	100502	PI 344880	H. vulg.	ISG 21	YUG	Macedonia	YUG
17369	100503	PI 344881	H. vulg.	ISG 22	YUG	Macedonia	YUG
17370	100504	PI 344882	H. vulg.	ISG 23	YUG	Macedonia	YUG
17371	100505	PI 344883	H. vulg.	ISG 24	YUG	Macedonia	YUG
17372	100506	PI 344884	H. vulg.	ISG 25	YUG	Macedonia	YUG
17373	100507	PI 344885	H. vulg.	ISG 26	YUG	Serbia	YUG
17374	100508	PI 344886	H. vulg.	ISG 27	YUG	Serbia	YUG
17375	100509	PI 344887	H. vulg.	ISG 28	YUG	Serbia	YUG
17376	100510	PI 344888	H. vulg.	ISG 29	YUG	Serbia	YUG
17377	100511	PI 344889	H. vulg.	ISG 30	YUG	Macedonia	YUG
17378	100512	PI 344890	H. vulg.	ISG 31	YUG	Macedonia	YUG
17379	100513	PI 344892	H. vulg.	ISG 33	YUG	Serbia	YUG
17380	100514	PI 344893	H. vulg.	ISG 34	YUG	Serbia	YUG
17381	100515	PI 344894	H. vulg.	ISG 35	YUG	Serbia	YUG
17382	100516	PI 344895	H. vulg.	ISG 36	YUG	Serbia	YUG
17383	100517	PI 344896	H. vulg.	ISG 37	YUG	Serbia	YUG
17384	100518	PI 344897	H. vulg.	ISG 38	YUG	Serbia	YUG
17385	100519	PI 344898	H. vulg.	ISG 39	YUG	Serbia	YUG
17386	100520	PI 344899	H. vulg.	ISG 40	YUG	Serbia	YUG
17387	100521	PI 344900	H. vulg.	ISG 41	YUG	Serbia	YUG
17388	100522	PI 344901	H. vulg.	ISG 42	YUG	Serbia	YUG
17389	100523	PI 344902	H. vulg.	ISG 42\1	YUG	Serbia	YUG
17390	100524	PI 344903	H. vulg.	ISG 43	YUG	Serbia	YUG
17391	100525	PI 344904	H. vulg.	ISG 44	YUG	Serbia	YUG
17392	100526	PI 344905	H. vulg.	ISG 45	YUG	Serbia	YUG
17393	100527	PI 344907	H. vulg.	ISG 47	YUG	Serbia	YUG
17394	100528	PI 344908	H. vulg.	ISG 48	YUG	Serbia	YUG
17395	100529	PI 344909	H. vulg.	ISG 49	YUG	Montenegro	YUG
17396	100530	PI 344910	H. vulg.	ISG 50	YUG	Montenegro	YUG
17397	100531	PI 344911	H. vulg.	ISG 51	YUG	Montenegro	YUG
17398	100532	PI 344912	H. vulg.	ISG 52	YUG	Montenegro	YUG
17399	100533	PI 344913	H. vulg.	ISG 53	YUG	Montenegro	YUG
17400	100534	PI 344914	H. vulg.	ISG 54	YUG	Montenegro	YUG
17404	100535	PI 344915	H. vulg.	ISG 55	YUG	Montenegro	YUG
17402	100536	PI 344916	H. vulg.	ISG 56	YUG	Montenegro	YUG
17403	100537	PI 344917	H. vulg.	ISG 57	YUG	Montenegro	YUG
17404	100538	PI 344918	H. vulg.	ISG 58	YUG	Montenegro	YUG
17405	100539	PI 344919	H. vulg.	ISG 59	YUG	Montenegro	YUG
17406	100540	PI 344920	H. vulg.	ISG 60	YUG	Montenegro	YUG
17407	100541	PI 344922	H. vulg.	ISG 62	YUG	Montenegro	YUG
17408	100542	PI 344923	H. vulg.	ISG 63	YUG	Montenegro	YUG
17409	100543	PI 344924	H. vulg.	ISG 64	YUG	Montenegro	YUG
17410	100544	PI 344926	H. vulg.	ISG 65A	YUG	Bosnia	YUG
17411	100545	PI 344928	H. vulg.	ISG 66A	YUG	Bosnia	YUG
17412	100546	PI 344930	H. vulg.	ISG 67A	YUG	Bosnia	YUG
17413	100547	PI 344932	H. vulg.	ISG 68A	YUG	Bosnia	YUG
17414	100548	PI 344936	H. vulg.	ISG 70A	YUG	Bosnia	YUG
17415	100549	PI 344938	H. vulg.	ISG 71A	YUG	Bosnia	YUG
17416	100550	PI 344940	H. vulg.	ISG 72A	YUG	Bosnia	YUG

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
17417	100551	PI 344941	H. vulg.	ISG 73	YUG	Bosnia	YUG
17418	100552	PI 344942	H. vulg.	ISG 74	YUG	Bosnia	YUG
17419	100553	PI 344943	H. vulg.	ISG 75	YUG	Bosnia	YUG
17420	100554	PI 344944	H. vulg.	ISG 76	YUG	Bosnia	YUG
17421	100555	PI 344945	H. vulg.	ISG 77	YUG	Montenegro	YUG
17422	100556	PI 344947	H. vulg.	ISG 79	YUG	Montenegro	YUG
17423	100557	PI 344948	H. vulg.	ISG 80	YUG	Montenegro	YUG
17424	100558	PI 344949	H. vulg.	ISG 81	YUG	Montenegro	YUG
17425	100559	PI 344950	H. vulg.	ISG 82	YUG	Montenegro	YUG
17426	100560	PI 344951	H. vulg.	ISG 83	YUG	Montenegro	YUG
17427	100561	PI 344952	H. vulg.	ISG 84	YUG	Montenegro	YUG
17428	100562	PI 344953	H. vulg.	ISG 85	YUG	Montenegro	YUG
17429	100563	PI 344954	H. vulg.	ISG 86	YUG	Montenegro	YUG
17430	100564	PI 344955	H. vulg.	ISG 87	YUG	Montenegro	YUG
17431	100565	PI 344956	H. vulg.	ISG 88	YUG	Montenegro	YUG
17432	100566	PI 344957	H. vulg.	ISG 89	YUG	Montenegro	YUG
17433	100567	PI 344958	H. vulg.	ISG 90	YUG	Montenegro	YUG
17434	100568	PI 344959	H. vulg.	ISG 91	YUG	Montenegro	YUG
17435	100569	PI 344960	H. vulg.	ISG 92	YUG	Montenegro	YUG
17436	100570	PI 349891	H. vulg.	ISG 1-1\69	YUG	Serbia	YUG
17437	100571	PI 349892	H. vulg.	ISG 2-2\69	YUG	Serbia	YUG
17438	100572	PI 349893	H. vulg.	ISG 3-3\69	YUG	Serbia	YUG
17439	100573	PI 349894	H. vulg.	ISG 4-5\69	YUG	Serbia	YUG
17440	100574	PI 349895	H. vulg.	ISG 5-7\69	YUG	Bosnia	YUG
17441	100575	PI 349896	H. vulg.	ISG 6-8\69	YUG	Serbia	YUG
17442	100576	PI 349897	H. vulg.	ISG 7-9\69	YUG	Serbia	YUG
17443	100577	PI 349898	H. vulg.	ISG 8-10\69	YUG	Serbia	YUG
17444	100578	PI 349899	H. vulg.	ISG 9-12\69	YUG	Serbia	YUG
17445	100579	PI 349900	H. vulg.	ISG 10-13\69	YUG	Serbia	YUG
17446	100580	PI 349901	H. vulg.	ISG 11-15\69	YUG	Serbia	YUG
17447	100581	PI 349902	H. vulg.	ISG 12-17\69	YUG	Serbia	YUG
17448	100582	PI 349903	H. vulg.	ISG 13-18\69	YUG	Serbia	YUG
17449	100583	PI 349904	H. vulg.	ISG 14-19\69	YUG	Serbia	YUG
17450	100584	PI 349905	H. vulg.	ISG 15-21\69	YUG	Serbia	YUG
17451	100585	PI 349907	H. vulg.	ISG 17-23\69	YUG	Serbia	YUG
17452	100586	CI 15183	-	MO B 1590	USA	-	UNK
17453	100587	CI 15184	-	MO B 646	USA	-	UNK
17454	100588	CI 15185	-	MO B 700	USA	-	UNK
17455	100589	CI 15186	-	MO B 1272	USA	-	UNK
17456	100590	CI 15187	-	MO B 1372	USA	-	UNK
17457	100591	CI 15188	-	MO B 1589	USA	-	UNK
17458	100592	CI 15189	-	MO B 1790	USA	-	UNK
17459	100593	CI 15191	-	MO B 1891	USA	-	UNK
17460	100594	CI 15192	-	MO B 1530	USA	-	UNK
17461	100595	CI 15193	-	MO B 1616	USA	-	UNK
17462	100596	CI 15194	-	MO B 1628	USA	-	UNK
17463	100597	CI 15195	-	MO B 1777	USA	-	UNK
17464	100598	CI 15196	-	Casbon	UNK	-	UNK
17465	100599	CI 15197	-	Kamiak	USA	-	UNK
17466	100600	CI 15198	-	COR 61-2141-2	USA	-	UNK
17467	100601	CI 15199	-	COR 61-2141-13	USA	-	UNK
17468	100602	CI 15200	-	COR 61-2141-15	USA	-	UNK
17469	100603	CI 15201	-	COR 61-2141-17	USA	-	UNK
17470	100604	CI 15202	-	COR 61-2141-20	USA	-	UNK
17471	100605	CI 15203	-	COR 61-2141-26	USA	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
17472	100606	CI 15204	-	COR 61-2951-3	USA	-	UNK
17473	100607	CI 15205	-	COR 61-2951-26	USA	-	UNK
17474	100608	CI 15206	-	COR 61-3989	USA	-	UNK
17475	100609	PI 355135	H. vulg.	-	UNK	-	NLD
17476	100610	PI 355136	H. vulg.	-	NLD	-	NLD
17477	100611	PI 355137	H. vulg.	-	UNK	-	NLD
17478	100612	PI 355138	H. vulg.	-	UNK	-	NLD
17479	100613	PI 355139	H. vulg.	-	UNK	-	NLD
17480	100614	PI 355140	H. vulg.	-	UNK	-	NLD
17481	100615	CI 15213	H. dist.	61 AB 4965	USA	-	UNK
17482	100616	CI 15214	H. dist.	60 AB 1810	USA	-	UNK
17483	100617	CI 15215	H. vulg.	-	USA	-	UNK
17484	100618	CI 15216	H. vulg.	-	USA	-	UNK
17485	100619	PI 357311	H. dist.	-	DEU	-	DNK
17486	100620	PI 357312	H. dist.	-	DNK	-	DNK
17487	100621	PI 357313	H. dist.	Riso 5678	DNK	-	DNK
17488	100622	PI 357314	H. dist.	Riso 6018	DNK	-	DNK
17489	100623	PI 357315	H. dist.	Riso 7372	DNK	-	DNK
17490	100624	PI 357316	H. dist.	-	AUT	-	DNK
17491	100625	PI 357317	H. dist.	H 3502	AUT	-	DNK
17492	100626	PI 357318	H. dist.	-	ARG	-	DNK
17493	100627	PI 357319	H. dist.	MC-20	ARG	-	DNK
17494	100628	PI 357320	H. dist.	-	CSK	-	DNK
17495	100629	PI 357321	H. dist.	SZ 5139B	DEU	-	DNK
17496	100630	CI 15228	-	-	USA	-	UNK
17497	100631	CI 15230	H. vulg.	6704-62	USA	-	UNK
17498	100632	CI 15231	H. dist.	10679-63	USA	-	UNK
17499	100633	CI 15232	H. vulg.	2300-62	USA	-	UNK
17500	100634	CI 15233	H. vulg.	-	USA	-	UNK
17501	100635	CI 15234	-	-	USA	-	UNK
17502	100636	CI 15235	H. vulg.	-	USA	-	UNK
17503	100637	CI 15236	H. vulg.	OAC WB 55-2	CAN	-	UNK
17504	100638	CI 15237	H. vulg.	OAC WB 58-32	CAN	-	UNK
17505	100639	CI 15238	H. vulg.	OAC WB 77-8	CAN	-	UNK
17506	100640	CI 15239	H. vulg.	OAC WB 58-27	CAN	-	UNK
17507	100641	CI 15241	H. vulg.	-	USA	-	UNK
17508	100642	CI 15242	H. vulg.	-	CAN	-	UNK
17509	100643	CI 15243	-	1381	USA	-	UNK
17510	100644	CI 15244	-	2749	USA	-	UNK
17511	100645	CI 15245	H. vulg.	51 AB 4934	USA	-	UNK
17512	100646	CI 15246	H. dist.	-	CAN	-	UNK
17513	100647	CI 15247	-	-	USA	-	UNK
17514	100648	CI 15248	-	-	USA	-	UNK
17515	100649	CI 15249	H. vulg.	MO B 1749	USA	-	UNK
17516	100650	CI 15250	H. vulg.	MO B 1470	USA	-	UNK
17517	100651	CI 15251	H. vulg.	MO B 1783	USA	-	UNK
17518	100652	CI 15252	H. vulg.	MO B 2073	USA	-	UNK
17519	100653	CI 15253	H. vulg.	MO B 2382	USA	-	UNK
17520	100654	CI 15254	H. vulg.	MO B 2383	USA	-	UNK
17521	100655	CI 15255	-	-	GBR	-	UNK
17522	100656	CI 15257	H. def.	-	ETH	-	UNK
17523	100657	CI 15258	H. vulg.	-	ROM	-	UNK
17524	100658	CI 15259	H. vulg.	-	IRN	-	UNK
17525	100659	CI 15260	H. def.	-	ETH	-	UNK
17526	100660	CI 15261	H. def.	-	ETH	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
17527	100661	CI 15262	H. def.	-	ETH	-	UNK
17528	100662	CI 15263	H. vulg.	BR XKD-9	CAN	-	UNK
17529	100663	CI 15264	H. vulg.	BR YG3-4	CAN	-	UNK
17530	100664	CI 15265	H. vulg.	BR XKD-14	CAN	-	UNK
17531	100665	CI 15266	H. vulg.	BR 6601-1	CAN	-	UNK
17532	100666	CI 15267	H. vulg.	BR 6505-21	CAN	-	UNK
17533	100667	CI 15268	H. vulg.	BR 6507-63-1	CAN	-	UNK
17534	100668	CI 15269	H. dist.	-	SUN	-	UNK
17535	100669	CI 15270	H. vulg.	-	UNK	-	UNK
17536	100670	CI 15271	H. vulg.	Selection 1038	USA	-	UNK
17537	100671	CI 15272	H. vulg.	WB 3-24	CAN	-	UNK
17538	100672	CI 15273	H. vulg.	WB 2-10	CAN	-	UNK
17539	100673	CI 15274	H. vulg.	H 228-12-3-3-6	USA	-	UNK
17540	100674	CI 15275	H. vulg.	H 228-12-3-4	USA	-	UNK
17541	100675	CI 15276	H. vulg.	H 231A-6-2-1-1	USA	-	UNK
17542	100676	CI 15277	-	Safra 1206-6	TUN	-	UNK
17543	100677	CI 15278	-	Jebali 1206-7	TUN	-	UNK
17544	100678	CI 15279	-	2528-23	TUN	-	UNK
17545	100679	CI 15280	-	2728-25	TUN	-	UNK
17546	100680	CI 15281	-	3102-16	TUN	-	UNK
17547	100681	CI 15282	-	3124-8	TUN	-	UNK
17548	100682	CI 15283	-	3124-9	TUN	-	UNK
17549	100683	CI 15284	-	3320-17	TUN	-	UNK
17550	100684	CI 15285	-	3144-20	TUN	-	UNK
17551	100685	CI 15286	-	Djebali 2160-14	TUN	-	UNK
17552	100686	CI 15287	-	Djebali 3348-130	TUN	-	UNK
17553	100687	CI 15288	-	Djebali 3224-131	TUN	-	UNK
17554	100688	CI 15289	-	Djebali 2544-133	TUN	-	UNK
17555	100689	CI 15290	-	Djebali 2550-135	TUN	-	UNK
17556	100690	CI 15291	-	Djebali 2164-137	TUN	-	UNK
17557	100691	CI 15292	-	Safra 1106-43	TUN	-	UNK
17558	100692	CI 15293	-	Djebali 2104-59	TUN	-	UNK
17559	100693	CI 15294	-	Djebali 2122-45	TUN	-	UNK
17560	100694	CI 15295	-	Djebali 2318-47	TUN	-	UNK
17561	100695	CI 15296	-	Djebali 2316-57	TUN	-	UNK
17562	100696	CI 15297	-	Frigui 3246-55	TUN	-	UNK
17563	100697	CI 15299	-	Djebali 3362\68-51	TUN	-	UNK
17564	100698	CI 15300	-	Frigui 2432-49	TUN	-	UNK
17565	100699	CI 15301	-	1110-30	TUN	-	UNK
17566	100700	CI 15302	-	1356-33	TUN	-	UNK
17567	100701	CI 15303	-	1346-28	TUN	-	UNK
17568	100702	CI 15304	-	Jebali 1228-117	TUN	-	UNK
17569	100703	CI 15305	-	Jebali 2122-119	TUN	-	UNK
17570	100704	CI 15306	-	Jebali 2146-121	TUN	-	UNK
17571	100705	CI 15307	-	Jebali 1224-123	TUN	-	UNK
17572	100706	CI 15308	-	Jebali 2354-125	TUN	-	UNK
17573	100707	CI 15309	-	Jebali 2346-127	TUN	-	UNK
17574	100708	CI 15310	-	Djebali 1112-38	TUN	-	UNK
17575	100709	CI 15311	-	-	TUN	-	UNK
17576	100710	CI 15312	-	Djebali 1106-61	TUN	-	UNK
17577	100711	CI 15313	-	Djebali 1124-63	TUN	-	UNK
17578	100712	CI 15314	-	Djebali 1126-65	TUN	-	UNK
17579	100713	CI 15315	-	Djebali 2132-67	TUN	-	UNK
17580	100714	CI 15316	-	Djebali 2208-69	TUN	-	UNK
17581	100715	CI 15317	-	Djebali 2322-71	TUN	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
17582	100716	CI 15318	-	3380-35	TUN	-	UNK
17583	100717	CI 15319	-	3248-37	TUN	-	UNK
17584	100718	CI 15320	-	3356-75	TUN	-	UNK
17585	100719	CI 15321	-	3320-73	TUN	-	UNK
17586	100720	CI 15322	-	3102-77	TUN	-	UNK
17587	100721	CI 15323	-	2222-79	TUN	-	UNK
17588	100722	CI 15324	-	2260-85	TUN	-	UNK
17589	100723	CI 15325	-	1144-87	TUN	-	UNK
17590	100724	CI 15326	-	2238-83	TUN	-	UNK
17591	100725	CI 15327	-	3362-81	TUN	-	UNK
17592	100726	CI 15328	-	Jebali 2176-89	TUN	-	UNK
17593	100727	CI 15329	-	Jebali 2340-91	TUN	-	UNK
17594	100728	CI 15330	-	Jebali 3404-93	TUN	-	UNK
17595	100729	CI 15331	-	Jebali 3322-95	TUN	-	UNK
17596	100730	CI 15332	-	Jebali 3360-97	TUN	-	UNK
17597	100731	CI 15333	-	Jebali 3334-	TUN	-	UNK
17598	100732	CI 15334	-	Jebali 4310-103	TUN	-	UNK
17599	100733	CI 15335	-	Jebali 4138-105	TUN	-	UNK
17600	100734	CI 15336	-	Jebali 4536-107	TUN	-	UNK
17601	100735	CI 15337	-	Jebali 1366-109	TUN	-	UNK
17602	100736	CI 15338	-	3452-114	TUN	-	UNK
17603	100737	CI 15339	-	Djebali 5512-110	TUN	-	UNK
17604	100738	CI 15340	-	Frigui 3524-138	TUN	-	UNK
17605	100739	CI 15341	-	Djebali 1274-140	TUN	-	UNK
17606	100740	CI 15342	-	Djebali 2242-142	TUN	-	UNK
17607	100741	CI 15343	-	Jebali 3220-144	TUN	-	UNK
17608	100742	CI 15344	-	Jebali 3102-146	TUN	-	UNK
17609	100743	CI 15345	-	Jebali 1202-148	TUN	-	UNK
17610	100744	CI 15346	-	Jebali 3314-150	TUN	-	UNK
17611	100745	CI 15347	-	Jebali 3208-152	TUN	-	UNK
17612	100746	CI 15348	-	Jebali 3128-154	TUN	-	UNK
17613	100747	CI 15349	-	Jebali 4240-156	TUN	-	UNK
17614	100748	CI 15350	-	Safra 4644-158	TUN	-	UNK
17615	100749	CI 15351	-	Jebali 4612-160	TUN	-	UNK
17616	100750	CI 15352	-	Jebali 3208-162	TUN	-	UNK
17617	100751	CI 15353	-	Jebali 3318-164	TUN	-	UNK
17618	100752	CI 15354	-	Jebali 4402-166	TUN	-	UNK
17619	100753	CI 15355	-	Djebali 1110-168	TUN	-	UNK
17620	100754	CI 15356	-	Jebali 1234-170	TUN	-	UNK
17621	100755	CI 15357	-	Jebali 2448-172	TUN	-	UNK
17622	100756	CI 15359	-	Frigui 2444-176	TUN	-	UNK
17623	100757	CI 15360	-	Jebali 2102-177	TUN	-	UNK
17624	100758	CI 15361	-	Jebali 2346-180	TUN	-	UNK
17625	100759	CI 15362	-	Jebali 2344-182	TUN	-	UNK
17626	100760	CI 15363	-	Arbi	TUN	-	UNK
17627	100761	CI 15364	-	Tounsi 1406-6	TUN	-	UNK
17628	100762	CI 15365	-	Safra 2276-22	TUN	-	UNK
17629	100763	CI 15366	-	Safra 3258-24	TUN	-	UNK
17630	100764	CI 15367	-	Arbi	TUN	-	UNK
17631	100765	CI 15368	-	Safra	TUN	-	UNK
17632	100766	CI 15369	-	Safra	TUN	-	UNK
17633	100767	CI 15370	-	Tounsi	TUN	-	UNK
17634	100768	CI 15373	H. vulg.	MO B 2344 (Belts 69-914)	UNK	-	UNK
17635	100769	CI 15374	H. vulg.	MO B 2345 (Belts 69-925)	UNK	-	UNK
17636	100770	CI 15375	H. vulg.	MO B 2346 (Belts 69-934)	UNK	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
17637	100771	CI 15376	-	MADISON 1	USA	-	UNK
17638	100772	CI 15377	-	MADISON 2	USA	-	UNK
17639	100773	CI 15378	-	MADISON 3	USA	-	UNK
17640	100774	CI 15379	-	MADISON 4	USA	-	UNK
17641	100775	CI 15380	-	MADISON 5	USA	-	UNK
17642	100776	CI 15381	-	MADISON 6	USA	-	UNK
17643	100777	CI 15382	-	MADISON 7	USA	-	UNK
17644	100778	CI 15383	-	MADISON 8	USA	-	UNK
17645	100779	CI 15384	-	MADISON 9	USA	-	UNK
17646	100780	CI 15385	-	MADISON 10	USA	-	UNK
17647	100781	CI 15386	-	MADISON 11	USA	-	UNK
17648	100782	CI 15387	-	MADISON 12	USA	-	UNK
17649	100783	CI 15388	-	MADISON 13	USA	-	UNK
17650	100784	CI 15389	-	MADISON 14	USA	-	UNK
17651	100785	CI 15390	-	MADISON 15	USA	-	UNK
17652	100786	CI 15391	-	MADISON 16	USA	-	UNK
17653	100787	CI 15392	-	MADISON 17	USA	-	UNK
17654	100788	CI 15393	-	Belts 67-1608	USA	-	UNK
17655	100789	CI 15394	-	Belts 68-1322	USA	-	UNK
17656	100790	CI 15395	-	Belts 69-736	USA	-	UNK
17657	100791	CI 15396	-	Belts 69-738	USA	-	UNK
17658	100792	CI 15397	-	Belts 69-917	USA	-	UNK
17659	100793	CI 15398	-	Belts 68-1419	USA	-	UNK
17660	100794	CI 15399	-	Belts 68-1444	USA	-	UNK
17661	100795	CI 15400	-	Belts 68-1449	USA	-	UNK
17662	100796	CI 15401	-	Belts 68-1453	USA	-	UNK
17663	100797	CI 15402	-	Belts 68-1278	USA	-	UNK
17664	100798	CI 15403	-	Belts 68-1279	USA	-	UNK
17665	100799	CI 15404	-	Belts 69-942	USA	-	UNK
17666	100800	CI 15405	-	Belts 69-945	USA	-	UNK
17667	100801	CI 15406	-	Belts 67-1623	USA	-	UNK
17668	100802	CI 15407	-	Belts 65-1697	USA	-	UNK
17669	100803	CI 15408	-	Belts 66-1449	USA	-	UNK
17670	100804	CI 15409	-	Belts 66-1451	USA	-	UNK
17671	100805	CI 15410	-	Belts 67-1309	USA	-	UNK
17672	100806	CI 15411	-	Belts 67-1312	USA	-	UNK
17673	100807	CI 15412	-	Belts 67-878	USA	-	UNK
17674	100808	CI 15413	-	Belts 68-1362	USA	-	UNK
17675	100809	CI 15414	-	Belts 68-703	USA	-	UNK
17676	100810	CI 15415	-	Belts 68-706	USA	-	UNK
17677	100811	CI 15416	-	Belts 65-1918	USA	-	UNK
17678	100812	CI 15417	-	Belts 66-610	USA	-	UNK
17679	100813	CI 15419	-	Belts 67-1377	USA	-	UNK
17680	100814	CI 15420	-	Belts 65-1607	USA	-	UNK
17681	100815	CI 15421	-	Belts 66-1397	USA	-	UNK
17682	100816	CI 15422	-	Belts 65-1823	USA	-	UNK
17683	100817	CI 15424	-	Belts 66-631	USA	-	UNK
17684	100818	CI 15425	-	Belts 66-632	USA	-	UNK
17685	100819	CI 15426	-	Belts 66-1478	USA	-	UNK
17686	100820	CI 15427	-	Belts 66-1480	USA	-	UNK
17687	100821	CI 15428	-	Belts 68-755	USA	-	UNK
17688	100822	CI 15429	-	Belts 69-933	USA	-	UNK
17689	100823	CI 15430	-	Belts 67-1448	USA	-	UNK
17690	100824	CI 15431	-	Belts 67-1449	USA	-	UNK
17691	100825	CI 15432	-	Belts 64-621	USA	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
17692	100826	CI 15433	-	Belts 64-622	USA	-	UNK
17693	100827	CI 15434	-	Belts 64-641	USA	-	UNK
17694	100828	CI 15435	-	Belts 64-643	USA	-	UNK
17695	100829	CI 15436	-	Belts 64-1111	USA	-	UNK
17696	100830	CI 15437	-	Belts 64-1113	USA	-	UNK
17697	100831	CI 15438	H. dist.	Belts 65-1613	USA	-	UNK
17698	100832	CI 15439	-	Belts 65-1880	USA	-	UNK
17699	100833	CI 15440	-	Belts 66-1314	USA	-	UNK
17700	100834	CI 15441	-	Belts 66-1317	USA	-	UNK
17701	100835	CI 15442	H. dist.	Belts 66-1323	USA	-	UNK
17702	100836	CI 15443	-	Belts 66-1324	USA	-	UNK
17703	100837	CI 15444	-	Belts 66-1327	USA	-	UNK
17704	100838	CI 15445	-	Belts 66-1333	USA	-	UNK
17705	100839	CI 15446	-	Belts 66-1334	USA	-	UNK
17706	100840	CI 15447	-	Belts 66-1340	USA	-	UNK
17707	100841	CI 15448	-	Belts 66-1439	USA	-	UNK
17708	100842	CI 15449	-	Belts 66-1443	USA	-	UNK
17709	100843	CI 15450	-	Belts 66-1444	USA	-	UNK
17710	100844	CI 15451	-	Belts 66-1481	USA	-	UNK
17711	100845	CI 15452	-	Belts 66-1482	USA	-	UNK
17712	100846	CI 15453	-	Belts 65-1694	USA	-	UNK
17713	100847	CI 15454	-	Belts 65-1699	USA	-	UNK
17714	100848	CI 15455	-	Belts 65-1708	USA	-	UNK
17715	100849	CI 15456	-	Belts 65-1718	USA	-	UNK
17716	100850	CI 15457	-	Belts 65-1760	USA	-	UNK
17717	100851	CI 15458	-	Belts 65-1769	USA	-	UNK
17718	100852	CI 15459	-	Belts 65-1788	USA	-	UNK
17719	100853	CI 15460	-	Belts 65-1633	USA	-	UNK
17720	100854	CI 15461	-	Belts 65-1635	USA	-	UNK
17721	100855	CI 15462	-	Belts 65-1324	USA	-	UNK
17722	100856	CI 15463	-	Belts 65-1623	USA	-	UNK
17723	100857	CI 15464	-	Belts 65-1628	USA	-	UNK
17724	100858	CI 15465	-	Belts 65-1629	USA	-	UNK
17725	100859	CI 15466	-	Belts 65-1641	USA	-	UNK
17726	100860	CI 15467	-	Belts 65-1650	USA	-	UNK
17727	100861	CI 15468	-	Belts 65-1679	USA	-	UNK
17728	100862	CI 15469	-	Belts 65-1849	USA	-	UNK
17729	100863	CI 15470	-	Belts 65-1851	USA	-	UNK
17730	100864	CI 15471	-	Belts 66-1489	USA	-	UNK
17731	100865	CI 15472	-	Belts 66-1494	USA	-	UNK
17732	100866	CI 15473	-	Belts 66-1496	USA	-	UNK
17733	100867	CI 15474	-	Belts 66-1497	USA	-	UNK
17734	100868	CI 15475	H. vulg.	Sutter	USA	-	UNK
17735	100869	CI 15476	H. vulg.	Trent	CAN	-	UNK
17736	100870	CI 15477	-	UC 566	USA	-	UNK
17737	100871	CI 15478	H. dist.	Klages	USA	-	UNK
17738	100872	CI 15479	H. dist.	Butte	USA	-	UNK
17739	100873	CI 15480	H. vulg.	Beacon	USA	-	UNK
17740	100874	CI 15481	H. vulg.	M 21	USA	-	UNK
17741	100875	CI 15482	H. vulg.	M 22	USA	-	UNK
17742	100876	CI 15483	H. vulg.	Ariz 5919-8	USA	-	UNK
17743	100877	CI 15484	-	Sabarlis	GBR	-	UNK
17744	100878	CI 15485	-	X 173-10-5-6-1-1	USA	-	UNK
17745	100879	CI 15486	-	NB 69135	USA	-	UNK
17746	100880	CI 15487	H. vulg.	Karl	USA	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTTVAR	ORI	PROVINCE	SOURCE
17747	100881	CI 15491	-	WB 74-23	CAN	-	UNK
17748	100882	CI 15492	-	WB 74-64	CAN	-	UNK
17749	100883	CI 15493	H. vulg.	-	USA	-	UNK
17750	100884	CI 15494	-	Boone	USA	-	UNK
17751	100885	CI 15495	H. vulg.	-	USA	-	UNK
17752	100886	CI 15496	-	-	UNK	-	UNK
17753	100887	CI 15497	H. vulg.	WA 6704-62	USA	-	UNK
17754	100888	CI 15498	-	-	UNK	-	UNK
17755	100889	CI 15499	H. vulg.	FL x 64-201-7	USA	-	UNK
17756	100890	CI 15500	H. vulg.	FL x 64-201-15	USA	-	UNK
17757	100891	CI 15501	H. vulg.	FL x 64-201-16	USA	-	UNK
17758	100892	CI 15502	H. vulg.	FL x 64-201-41	USA	-	UNK
17759	100893	CI 15503	H. vulg.	FL x 64-202-9	USA	-	UNK
17760	100894	CI 15504	H. vulg.	FL x 64-202-23	USA	-	UNK
17761	100895	CI 15505	H. vulg.	FL x 65-202-13	USA	-	UNK
17762	100896	CI 15506	H. vulg.	FL x 65-205-8	USA	-	UNK
17763	100897	CI 15507	H. vulg.	FL x 65-205-22	USA	-	UNK
17764	100898	CI 15508	H. vulg.	FL x 69-01253-4	USA	-	UNK
17765	100899	CI 15509	H. vulg.	Arimont	USA	-	UNK
17766	100900	CI 15510	-	WIEBE G A 109-5	ETH	-	UNK
17767	100901	CI 15511	-	WIEBE G A 125-8	ETH	-	UNK
17768	100902	CI 15512	-	WIEBE G A 127-1	ETH	-	UNK
17769	100903	CI 15513	-	WIEBE G A 148-6	ETH	-	UNK
17770	100904	CI 15514	H. dist.	TR 502	USA	-	UNK
17771	100905	CI 15515	H. vulg.	UT 1742-16	USA	-	UNK
17772	100906	CI 15533	H. vulg.	BT 609	CAN	-	UNK
17773	100907	CI 15534	H. vulg.	WB 55\2	CAN	-	UNK
17774	100908	CI 15536	H. vulg.	IV 363	USA	-	UNK
17775	100909	CI 15537	-	I11 62-10	USA	-	UNK
17776	100910	CI 15538	-	I11 62-27	USA	-	UNK
17777	100911	CI 15539	-	I11 62-35	USA	-	UNK
17778	100912	CI 15541	-	I11 62-39	USA	-	UNK
17779	100913	CI 15542	-	NE 62203	USA	-	UNK
17780	100914	CI 15543	-	NE 62204	USA	-	UNK
17781	100915	CI 15544	-	OAC 41-14	CAN	-	UNK
17782	100916	CI 15546	-	KS 65111	USA	-	UNK
17783	100917	CI 15547	-	Harrow 9	CAN	-	UNK
17784	100918	CI 15548	-	-	UNK	-	UNK
17785	100919	CI 15549	H. vulg.	Manker	USA	-	UNK
17786	100920	CI 15551	H. dist.	Australian	AUS	-	UNK
17787	100921	CI 15552	H. dist.	Domen	AUS	-	UNK
17788	100922	CI 15553	-	CM 72	FIN	-	UNK
17789	100923	CI 15554	-	Wocus 71	FIN	-	UNK
17790	100924	CI 15555	-	Vireo	UNK	-	UNK
17791	100925	CI 15556	-	Maris Mink	UNK	-	UNK
17792	100926	CI 15557	H. vulg.	T 65-117	USA	-	UNK
17793	100927	CI 15558	-	-	FIN	-	UNK
17794	100928	CI 15559	H. vulg.	WSU-1094-67	USA	-	UNK
17795	100929	CI 15560	H. vulg.	OB 136.4.1	CAN	-	UNK
17796	100930	CI 15561	H. vulg.	OB 136.7	CAN	-	UNK
17797	100931	CI 15562	H. vulg.	OB 136.13	CAN	-	UNK
17798	100932	CI 15563	H. vulg.	OB 136.17	CAN	-	UNK
17799	100933	CI 15564	H. vulg.	OB 136.19	CAN	-	UNK
17800	100934	CI 15565	H. vulg.	OB 136.20	CAN	-	UNK
17801	100935	CI 15566	H. vulg.	OB 136.21	CAN	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
17802	100936	CI 15567	H. vulg.	OB 136.23	CAN	-	UNK
17803	100937	CI 15568	H. vulg.	OB 136.25	CAN	-	UNK
17804	100938	CI 15569	H. vulg.	OB 136.27	CAN	-	UNK
17805	100939	CI 15570	H. vulg.	OB 136.29	CAN	-	UNK
17806	100940	CI 15571	H. vulg.	OB 136.30	CAN	-	UNK
17807	100941	CI 15572	H. vulg.	OB 136.31	CAN	-	UNK
17808	100942	CI 15574	H. vulg.	OB 136.33	CAN	-	UNK
17809	100943	CI 15575	H. vulg.	OB 136.34	CAN	-	UNK
17810	100944	CI 15576	H. vulg.	OB 136.37	CAN	-	UNK
17811	100945	CI 15577	H. vulg.	OB 136.38	CAN	-	UNK
17812	100946	CI 15578	H. vulg.	OB 136.39	CAN	-	UNK
17813	100947	CI 15579	H. vulg.	OB 136.40	CAN	-	UNK
17814	100948	CI 15580	H. vulg.	OB 136.41	CAN	-	UNK
17815	100949	CI 15581	H. vulg.	OB 137.29	CAN	-	UNK
17816	100950	CI 15582	H. vulg.	OB 137.31	CAN	-	UNK
17817	100951	CI 15583	H. vulg.	OB 137.32	CAN	-	UNK
17818	100952	CI 15584	H. vulg.	OB 137.36	CAN	-	UNK
17819	100953	CI 15585	H. vulg.	OB 137.56	CAN	-	UNK
17820	100954	CI 15586	H. vulg.	OB 137.57	CAN	-	UNK
17821	100955	CI 15587	H. vulg.	OB 137.59	CAN	-	UNK
17822	100956	CI 15588	-	OB 137.61	CAN	-	UNK
17823	100957	CI 15589	H. vulg.	OB 138.28	CAN	-	UNK
17824	100958	CI 15590	H. vulg.	OB 138.61	CAN	-	UNK
17825	100959	CI 15591	H. vulg.	OB 139.1	CAN	-	UNK
17826	100960	CI 15592	H. vulg.	OB 139.6	CAN	-	UNK
17827	100961	CI 15593	H. vulg.	OB 139.7	CAN	-	UNK
17828	100962	CI 15594	H. vulg.	OB 139.8	CAN	-	UNK
17829	100963	CI 15595	H. vulg.	OB 139.10	CAN	-	UNK
17830	100964	CI 15596	H. vulg.	OB 139.11	CAN	-	UNK
17831	100965	CI 15597	H. vulg.	OB 139.12	CAN	-	UNK
17832	100966	CI 15598	H. vulg.	OB 139.13	CAN	-	UNK
17833	100967	CI 15599	H. vulg.	OB 139.15	CAN	-	UNK
17834	100968	CI 15600	H. vulg.	OB 139.17	CAN	-	UNK
17835	100969	CI 15601	H. vulg.	OB 139.19	CAN	-	UNK
17836	100970	CI 15602	H. vulg.	OB 140.1	CAN	-	UNK
17837	100971	CI 15603	H. vulg.	OB 140.2	CAN	-	UNK
17838	100972	CI 15604	H. vulg.	OB 140.3	CAN	-	UNK
17839	100973	CI 15605	H. vulg.	OB 140.4	CAN	-	UNK
17840	100974	CI 15606	H. vulg.	OB 140.5	CAN	-	UNK
17841	100975	CI 15607	H. vulg.	OB 140.6	CAN	-	UNK
17842	100976	CI 15608	H. vulg.	OB 140.8	CAN	-	UNK
17843	100977	CI 15609	H. vulg.	OB 140.13	CAN	-	UNK
17844	100978	CI 15610	H. vulg.	OB 141.1	CAN	-	UNK
17845	100979	CI 15611	H. vulg.	OB 141.3	CAN	-	UNK
17846	100980	CI 15612	H. vulg.	LAV 301	CAN	-	UNK
17847	100981	CI 15613	H. vulg.	LAV 302	CAN	-	UNK
17848	100982	CI 15614	H. vulg.	LAV 303	CAN	-	UNK
17849	100983	CI 15616	H. vulg.	LT 74G6	CAN	-	UNK
17850	100984	CI 15617	H. vulg.	LT 74G8	CAN	-	UNK
17851	100985	CI 15618	H. vulg.	LT 74GB1	CAN	-	UNK
17852	100986	CI 15619	H. vulg.	SG 741A	CAN	-	UNK
17853	100987	CI 15620	H. vulg.	-	USA	-	UNK
17854	100988	CI 15621	H. vulg.	-	USA	-	UNK
17855	100989	CI 15622	-	Riso 7085	DNK	-	UNK
17856	100990	CI 15623	-	-	UNK	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
17857	100991	CI 15626	-	OAC WB 90-13	CAN	-	UNK
17858	100992	CI 15627	-	B 2321	USA	-	UNK
17859	100993	CI 15628	-	B 2613	USA	-	UNK
17860	100994	CI 15629	-	B 2612	USA	-	UNK
17861	100995	CI 15630	-	B 1554	USA	-	UNK
17862	100996	CI 15631	-	B 2218	USA	-	UNK
17863	100997	CI 15632	-	B 2142	USA	-	UNK
17864	100998	CI 15633	-	B 2146	USA	-	UNK
17865	100999	CI 15634	-	B 2169	USA	-	UNK
17866	101000	CI 15635	-	B 2173	USA	-	UNK
17867	101001	CI 15636	-	B 2186	USA	-	UNK
17868	101002	CI 15637	-	B 2188	USA	-	UNK
17869	101003	CI 15638	-	B 1553	USA	-	UNK
17870	101004	CI 15686	H. dist.	60 AB 1810-53	USA	-	UNK
17871	101005	CI 15687	H. dist.	71 AB 4552	USA	-	UNK
17872	101006	CI 15689	H. vulg.	-	UNK	-	UNK
17873	101007	CI 15690	H. vulg.	-	UNK	-	UNK
17874	101008	CI 15691	H. vulg.	-	UNK	-	UNK
17875	101009	CI 15692	H. vulg.	VA 70-44-213	USA	-	UNK
17876	101010	CI 15694	H. vulg.	-	FIN	-	UNK
17877	101011	CI 15695	H. vulg.	OK 7110566	USA	-	UNK
17878	101012	PI 316872	-	-	ETH	-	UNK
17879	101013	CI 15698	-	WB 90-13	CAN	-	UNK
17880	101014	CI 15699	-	WB 126-16	CAN	-	UNK
17881	101015	CI 15700	-	WB 97-2	CAN	-	UNK
17882	101016	CI 15701	H. vulg.	MO B 1887	USA	-	UNK
17883	101017	CI 15702	H. vulg.	MO B 1914	USA	-	UNK
17884	101018	CI 15703	H. vulg.	MO B 1980	USA	-	UNK
17885	101019	CI 15704	H. dist.	MO B 2610	USA	-	UNK
17886	101020	CI 15705	H. dist.	MO B 2617	USA	-	UNK
17887	101021	CI 15706	H. dist.	MO B 2124	USA	-	UNK
17888	101022	CI 15707	H. dist.	MO B 2171	USA	-	UNK
17889	101023	CI 15708	H. dist.	MO B 2190	USA	-	UNK
17890	101024	CI 15709	H. dist.	MO B 2191	USA	-	UNK
17891	101025	CI 15710	H. dist.	MO B 2247	USA	-	UNK
17892	101026	CI 15711	H. dist.	MO B 2797	USA	-	UNK
17893	101027	CI 15712	H. dist.	MO B 2566	USA	-	UNK
17894	101028	CI 15713	H. dist.	MO B 2662	USA	-	UNK
17895	101029	CI 15714	H. dist.	MO B 2677	USA	-	UNK
17896	101030	CI 15715	H. dist.	MO B 2522	USA	-	UNK
17897	101031	CI 15716	H. dist.	MO B 2301	USA	-	UNK
17898	101032	CI 15717	H. dist.	MO B 2112	USA	-	UNK
17899	101033	CI 15718	H. vulg.	-	DEU	-	UNK
17900	101034	CI 15719	H. vulg.	Inra 768	FRA	-	UNK
17901	101035	CI 15720	H. vulg.	-	FRA	-	UNK
17902	101036	CI 15721	H. dist.	-	UNK	-	UNK
17903	101037	CI 15722	H. dist.	MT 4524	USA	-	UNK
17904	101038	CI 15723	H. vulg.	70 AB 504	USA	-	UNK
17905	101039	CI 15725	H. dist.	71 AB 1180	USA	-	UNK
17906	101040	CI 15726	-	MICH 69-518	USA	-	UNK
17907	101041	CI 15731	H. vulg.	MO B-2487	USA	-	UNK
17908	101042	CI 15733	H. vulg.	NC 75 140	USA	-	UNK
17909	101043	CI 15737	H. dist.	B 2319	USA	-	UNK
17910	101044	CI 15741	H. dist.	B 2567	USA	-	UNK
17911	101045	CI 15743	H. dist.	B 2549	USA	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
17912	101046	CI 15747	H. dist.	-	GBR	-	UNK
17913	101047	CI 15748	H. dist.	MTE 531	POL	-	UNK
17914	101048	CI 15749	H. dist.	-	DEU	-	UNK
17915	101049	CI 15750	H. dist.	-	DEU	-	UNK
17916	101050	CI 15751	H. dist.	-	DEU	-	UNK
17917	101051	CI 15756	H. vulg.	-	DEU	-	UNK
17918	101052	CI 15759	H. vulg.	72 AB 89	USA	-	UNK
17919	101053	CI 15760	H. vulg.	72 AB 265	USA	-	UNK
17920	101054	CI 15761	H. vulg.	72 AB 334	USA	-	UNK
17921	101055	CI 15763	H. vulg.	73 AB 176	USA	-	UNK
17922	101056	CI 15764	H. vulg.	73 AB 489	USA	-	UNK
17923	101057	CI 15765	H. vulg.	WA 1331-68	USA	-	UNK
17924	101058	CI 15766	H. vulg.	-	FIN	-	UNK
17925	101059	CI 15768	H. vulg.	ND 231	USA	-	UNK
17926	101060	CI 15769	H. vulg.	ND 718	USA	-	UNK
17927	101061	CI 15770	H. vulg.	70 AB 2378	USA	-	UNK
17928	101062	CI 15772	H. dist.	MT 9503	USA	-	UNK
17929	101063	CI 15773	H. vulg.	M 25	USA	-	UNK
17930	101064	CI 15775	H. vulg.	77 CG 18-1	USA	-	UNK
17931	101065	CI 15776	H. dist.	77 CG 18-8	USA	-	UNK
17932	101066	CI 15777	H. vulg.	78 CG 18-13	USA	-	UNK
17933	101067	CI 15778	H. vulg.	77 CG 19-14	USA	-	UNK
17934	101068	CI 15779	H. vulg.	77 CG 20-8	USA	-	UNK
17935	101069	CI 15780	H. vulg.	77 CG 21-9	USA	-	UNK
17936	101070	CI 15781	H. vulg.	77 CG 22-3	USA	-	UNK
17937	101071	CI 15782	H. dist.	77 CG 22-9	USA	-	UNK
17938	101072	CI 15783	H. vulg.	78 CG 22-16	USA	-	UNK
17939	101073	CI 15784	H. vulg.	77 CG 26-16	USA	-	UNK
17940	101074	CI 15785	H. vulg.	77 CG 31-2	USA	-	UNK
17941	101075	CI 15786	H. vulg.	77 CG 32-12	USA	-	UNK
17942	101076	CI 15787	H. vulg.	78 CG 24-1	USA	-	UNK
17943	101077	CI 15788	H. vulg.	78 CG 24-3	USA	-	UNK
17944	101078	CI 15789	-	-	UNK	-	UNK
17945	101079	CI 15790	H. vulg.	78 CG 25-7	USA	-	UNK
17946	101080	CI 15791	H. dist.	78 CG 25-13	USA	-	UNK
17947	101081	CI 15792	H. vulg.	77 CG 40-11	USA	-	UNK
17948	101082	CI 15794	H. vulg.	FL 714 RA 14-2	USA	-	UNK
17949	101083	CI 15795	H. vulg.	FL 718 RA 9-1	USA	-	UNK
17950	101084	CI 15796	H. vulg.	FL 718 RA 14-2	USA	-	UNK
17951	101085	CI 15797	H. vulg.	FL 7112 RA 15-1	USA	-	UNK
17952	101086	CI 15798	H. vulg.	FL 7116 RA 14N	USA	-	UNK
17953	101087	CI 15799	H. vulg.	FL 7121 B 14	USA	-	UNK
17954	101088	CI 15800	H. vulg.	FL 7123 RA 13N	USA	-	UNK
17955	101089	CI 15801	H. vulg.	FL 7124 RA 36-1	USA	-	UNK
17956	101090	CI 15802	H. vulg.	FL 7128811-1	USA	-	UNK
17957	101091	CI 15803	H. vulg.	FL 7138 A 3-102	USA	-	UNK
17958	101092	CI 15804	H. vulg.	WA 6591-69	USA	-	UNK
17959	101093	CI 15812	-	-	UNK	-	UNK
17960	101094	CI 15814	-	WY 6823	USA	-	UNK
17961	101095	CI 15815	H. vulg.	UC 76137	USA	-	UNK
17962	101096	CI 15816	-	-	UNK	-	UNK
17963	101097	CI 16001	H. vulg.	-	USA	-	UNK
17964	101098	CI 16002	H. vulg.	-	USA	-	UNK
17965	101099	CI 16003	H. vulg.	-	USA	-	UNK
17966	101100	CI 16004	H. vulg.	-	USA	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
17967	101101	CI 16005	H. vulg.	-	USA	-	UNK
17968	101102	CI 16006	H. vulg.	-	USA	-	UNK
17969	101103	CI 16009	H. vulg.	-	USA	-	UNK
17970	101104	CI 16010	H. vulg.	-	USA	-	UNK
17971	101105	CI 16011	H. vulg.	-	USA	-	UNK
17972	101106	CI 16012	H. vulg.	-	USA	-	UNK
17973	101107	CI 16013	H. vulg.	-	USA	-	UNK
17974	101108	CI 16014	H. vulg.	-	USA	-	UNK
17975	101109	CI 16015	H. vulg.	-	USA	-	UNK
17976	101110	CI 16016	H. vulg.	-	USA	-	UNK
17977	101111	CI 16017	H. vulg.	-	USA	-	UNK
17978	101112	CI 16018	H. vulg.	-	USA	-	UNK
17979	101113	CI 16019	H. vulg.	-	USA	-	UNK
17980	101114	CI 16020	H. vulg.	-	USA	-	UNK
17981	101115	CI 16021	H. vulg.	-	USA	-	UNK
17982	101116	CI 16022	H. vulg.	-	USA	-	UNK
17983	101117	CI 16023	H. vulg.	-	USA	-	UNK
17984	101118	CI 16024	H. vulg.	-	USA	-	UNK
17985	101119	CI 16025	H. vulg.	-	USA	-	UNK
17986	101120	CI 16028	H. vulg.	-	USA	-	UNK
17987	101121	CI 16029	H. vulg.	-	USA	-	UNK
17988	101122	CI 16030	H. vulg.	-	USA	-	UNK
17989	101123	CI 16031	H. vulg.	-	USA	-	UNK
17990	101124	CI 16032	H. vulg.	-	USA	-	UNK
17991	101125	CI 16033	H. vulg.	-	USA	-	UNK
17992	101126	CI 16034	H. vulg.	-	USA	-	UNK
17993	101127	CI 16035	H. vulg.	-	USA	-	UNK
17994	101128	CI 16036	H. vulg.	-	USA	-	UNK
17995	101129	CI 16037	H. vulg.	-	USA	-	UNK
17996	101130	CI 16038	H. vulg.	-	USA	-	UNK
17997	101131	CI 16039	H. vulg.	-	USA	-	UNK
17998	101132	CI 16040	H. vulg.	-	USA	-	UNK
17999	101133	CI 16041	H. vulg.	-	USA	-	UNK
18000	101134	CI 16042	H. vulg.	-	USA	-	UNK
18001	101135	CI 16043	H. vulg.	-	USA	-	UNK
18002	101136	CI 16045	H. vulg.	-	USA	-	UNK
18003	101137	CI 16046	H. vulg.	-	USA	-	UNK
18004	101138	CI 16047	H. vulg.	-	USA	-	UNK
18005	101139	CI 16048	H. vulg.	-	USA	-	UNK
18006	101140	CI 16049	H. vulg.	-	USA	-	UNK
18007	101141	CI 16050	H. vulg.	-	USA	-	UNK
18008	101142	CI 16051	H. vulg.	-	USA	-	UNK
18009	101143	CI 16052	H. vulg.	-	USA	-	UNK
18010	101144	CI 16053	H. vulg.	-	USA	-	UNK
18011	101145	CI 16054	H. vulg.	-	USA	-	UNK
18012	101146	CI 16055	H. vulg.	-	USA	-	UNK
18013	101147	CI 16056	H. vulg.	-	USA	-	UNK
18014	101148	CI 16059	H. dist.	-	USA	-	UNK
18015	101149	CI 16060	H. vulg.	-	USA	-	UNK
18016	101150	CI 16062	H. vulg.	-	USA	-	UNK
18017	101151	CI 16063	H. dist.	-	USA	-	UNK
18018	101152	CI 16064	H. vulg.	-	USA	-	UNK
18019	101153	CI 16065	H. dist.	-	USA	-	UNK
18020	101154	CI 16066	H. vulg.	-	USA	-	UNK
18021	101155	CI 16067	H. dist.	-	USA	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
18022	101156	CI 16068	H. vulg.	-	USA	-	UNK
18023	101157	CI 16069	H. dist.	-	USA	-	UNK
18024	101158	CI 16070	H. vulg.	-	USA	-	UNK
18025	101159	CI 16071	H. dist.	-	USA	-	UNK
18026	101160	CI 16072	H. vulg.	-	USA	-	UNK
18027	101161	CI 16073	H. dist.	-	USA	-	UNK
18028	101162	CI 16074	H. vulg.	-	USA	-	UNK
18029	101163	CI 16075	H. dist.	-	USA	-	UNK
18030	101164	CI 16076	H. vulg.	-	USA	-	UNK
18031	101165	CI 16077	H. dist.	-	USA	-	UNK
18032	101166	CI 16078	H. vulg.	-	USA	-	UNK
18033	101167	CI 16080	H. vulg.	-	USA	-	UNK
18034	101168	CI 16081	H. def.	-	USA	-	UNK
18035	101169	CI 16082	H. vulg.	-	USA	-	UNK
18036	101170	CI 16083	H. vulg.	-	USA	-	UNK
18037	101171	CI 16084	H. vulg.	-	USA	-	UNK
18038	101172	CI 16085	H. vulg.	-	USA	-	UNK
18039	101173	CI 16087	H. vulg.	-	USA	-	UNK
18040	101174	CI 16088	H. vulg.	-	USA	-	UNK
18041	101175	CI 16089	H. vulg.	-	USA	-	UNK
18042	101176	CI 16090	H. vulg.	-	USA	-	UNK
18043	101177	CI 16091	H. vulg.	-	USA	-	UNK
18044	101178	CI 16092	H. vulg.	-	USA	-	UNK
18045	101179	CI 16093	H. vulg.	-	USA	-	UNK
18046	101180	CI 16094	H. vulg.	-	USA	-	UNK
18047	101181	CI 16095	H. vulg.	-	USA	-	UNK
18048	101182	CI 16096	H. vulg.	-	USA	-	UNK
18049	101183	CI 16098	H. vulg.	-	USA	-	UNK
18050	101184	CI 16099	H. vulg.	-	USA	-	UNK
18051	101185	CI 16100	H. vulg.	-	USA	-	UNK
18052	101186	CI 16101	-	-	USA	-	UNK
18053	101187	CI 16102	-	-	USA	-	UNK
18054	101188	CI 16105	H. vulg.	-	USA	-	UNK
18055	101189	CI 16107	H. vulg.	-	USA	-	UNK
18056	101190	CI 16108	H. vulg.	-	USA	-	UNK
18057	101191	CI 16109	H. vulg.	-	USA	-	UNK
18058	101192	CI 16111	H. dist.	-	USA	-	UNK
18059	101193	CI 16113	H. vulg.	-	USA	-	UNK
18060	101194	CI 16114	H. vulg.	-	USA	-	UNK
18061	101195	CI 16115	-	-	USA	-	UNK
18062	101196	CI 16116	-	-	USA	-	UNK
18063	101197	CI 16119	H. dist.	-	USA	-	UNK
18064	101198	CI 16120	H. dist.	-	USA	-	UNK
18065	101199	CI 16121	H. vulg.	-	USA	-	UNK
18066	101200	CI 16122	H. vulg.	-	USA	-	UNK
18067	101201	CI 16123	H. vulg.	-	USA	-	UNK
18068	101202	CI 16124	H. vulg.	-	USA	-	UNK
18069	101203	CI 16125	-	-	USA	-	UNK
18070	101204	CI 16126	-	-	USA	-	UNK
18071	101205	CI 16127	H. vulg.	-	USA	-	UNK
18072	101206	CI 16128	H. vulg.	-	USA	-	UNK
18073	101207	CI 16129	H. vulg.	-	USA	-	UNK
18074	101208	CI 16130	H. vulg.	-	USA	-	UNK
18075	101209	CI 16131	H. dist.	-	USA	-	UNK
18076	101210	CI 16132	H. dist.	-	USA	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
18077	101211	CI 16133	H. vulg.	-	USA	-	UNK
18078	101212	CI 16134	H. vulg.	-	USA	-	UNK
18079	101213	CI 16135	H. dist.	-	USA	-	UNK
18080	101214	CI 16136	H. dist.	-	USA	-	UNK
18081	101215	CI 16137	H. vulg.	-	USA	-	UNK
18082	101216	CI 16138	H. vulg.	-	USA	-	UNK
18083	101217	CI 16139	H. vulg.	-	USA	-	UNK
18084	101218	CI 16140	H. vulg.	-	USA	-	UNK
18085	101219	CI 16141	H. vulg.	-	USA	-	UNK
18086	101220	CI 16142	H. vulg.	-	USA	-	UNK
18087	101221	CI 16143	H. vulg.	-	USA	-	UNK
18088	101222	CI 16144	H. vulg.	-	USA	-	UNK
18089	101223	CI 16145	H. vulg.	-	USA	-	UNK
18090	101224	CI 16146	H. vulg.	-	USA	-	UNK
18091	101225	CI 16147	H. vulg.	-	USA	-	UNK
18092	101226	CI 16148	H. vulg.	-	USA	-	UNK
18093	101227	CI 16149	H. vulg.	-	USA	-	UNK
18094	101228	CI 16150	H. vulg.	-	USA	-	UNK
18095	101229	CI 16151	H. vulg.	-	USA	-	UNK
18096	101230	CI 16152	H. vulg.	-	USA	-	UNK
18097	101231	CI 16153	H. vulg.	-	USA	-	UNK
18098	101232	CI 16154	H. vulg.	-	USA	-	UNK
18099	101233	CI 16155	H. vulg.	-	USA	-	UNK
18100	101234	CI 16156	H. vulg.	-	USA	-	UNK
18101	101235	CI 16157	H. vulg.	-	USA	-	UNK
18102	101236	CI 16158	H. vulg.	-	USA	-	UNK
18103	101237	CI 16159	H. vulg.	-	USA	-	UNK
18104	101238	CI 16160	H. vulg.	-	USA	-	UNK
18105	101239	CI 16161	H. vulg.	-	USA	-	UNK
18106	101240	CI 16162	H. vulg.	-	USA	-	UNK
18107	101241	CI 16163	H. vulg.	-	USA	-	UNK
18108	101242	CI 16164	H. vulg.	-	USA	-	UNK
18109	101243	CI 16165	H. dist.	-	USA	-	UNK
18110	101244	CI 16166	H. dist.	-	USA	-	UNK
18111	101245	CI 16167	H. vulg.	-	USA	-	UNK
18112	101246	CI 16168	H. vulg.	-	USA	-	UNK
18113	101247	CI 16169	H. dist.	-	USA	-	UNK
18114	101248	CI 16170	H. dist.	-	USA	-	UNK
18115	101249	CI 16171	H. vulg.	-	USA	-	UNK
18116	101250	CI 16172	H. vulg.	-	USA	-	UNK
18117	101251	CI 16173	H. dist.	-	USA	-	UNK
18118	101252	CI 16174	H. dist.	-	USA	-	UNK
18119	101253	CI 16175	H. dist.	-	USA	-	UNK
18120	101254	CI 16176	H. dist.	-	USA	-	UNK
18121	101255	CI 16177	H. vulg.	-	USA	-	UNK
18122	101256	CI 16178	H. vulg.	-	USA	-	UNK
18123	101257	CI 16179	H. vulg.	-	USA	-	UNK
18124	101258	CI 16180	H. vulg.	-	USA	-	UNK
18125	101259	CI 16182	H. vulg.	-	USA	-	UNK
18126	101260	CI 16183	H. vulg.	-	USA	-	UNK
18127	101261	CI 16184	H. vulg.	-	USA	-	UNK
18128	101262	CI 16185	H. vulg.	-	USA	-	UNK
18129	101263	CI 16186	H. vulg.	-	USA	-	UNK
18130	101264	CI 16187	H. vulg.	-	USA	-	UNK
18131	101265	CI 16188	H. vulg.	-	USA	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
18132	101266	CI 16189	H. vulg.	-	USA	-	UNK
18133	101267	CI 16190	H. vulg.	-	USA	-	UNK
18134	101268	CI 16191	H. vulg.	-	USA	-	UNK
18135	101269	CI 16192	H. vulg.	-	USA	-	UNK
18136	101270	CI 16193	H. vulg.	100-R-8 (Belts 68)	USA	-	UNK
18137	101271	CI 16194	H. vulg.	100-R-8 (Belts 68)	USA	-	UNK
18138	101272	CI 16195	H. vulg.	101-R-8 (Belts 68)	USA	-	UNK
18139	101273	CI 16196	H. vulg.	101-R-8 (Belts 68)	USA	-	UNK
18140	101274	CI 16197	H. vulg.	102-R-8 (Belts 69)	USA	-	UNK
18141	101275	CI 16198	H. vulg.	102-R-8 (Belts 69)	USA	-	UNK
18142	101276	CI 16199	H. vulg.	103-R-8 (Belts 69)	USA	-	UNK
18143	101277	CI 16201	H. vulg.	104-R-8 (Belts 69)	USA	-	UNK
18144	101278	CI 16202	H. vulg.	104-R-8 (Belts 69)	USA	-	UNK
18145	101279	CI 16203	H. vulg.	105-R-8 (Belts 69)	USA	-	UNK
18146	101280	CI 16204	H. vulg.	105-R-8 (Belts 69)	USA	-	UNK
18147	101281	CI 16205	H. vulg.	106-R-8 (Belts 69)	USA	-	UNK
18148	101282	CI 16206	H. vulg.	106-R-8 (Belts 69)	USA	-	UNK
18149	101283	CI 16207	H. vulg.	107-R-8 (Belts 69)	USA	-	UNK
18150	101284	CI 16208	H. vulg.	107-R-8 (Belts 69)	USA	-	UNK
18151	101285	CI 16209	H. vulg.	108-R-8 (Belts 69)	USA	-	UNK
18152	101286	CI 16210	H. vulg.	108-R-8 (Belts 69)	USA	-	UNK
18153	101287	CI 16211	H. def.	109-R-8 (Belts 69)	USA	-	UNK
18154	101288	CI 16212	H. def.	109-R-8 (Belts 69)	USA	-	UNK
18155	101289	CI 16213	H. vulg.	110-R-8 (Belts 69)	USA	-	UNK
18156	101290	CI 16214	H. vulg.	110-R-8 (Belts 69)	USA	-	UNK
18157	101291	CI 16215	H. vulg.	111-R-8 (Belts 69)	USA	-	UNK
18158	101292	CI 16216	H. vulg.	111-R-8 (Belts 69)	USA	-	UNK
18159	101293	CI 16217	H. dist.	112-R-8 (Belts 69)	USA	-	UNK
18160	101294	CI 16218	H. dist.	112-R-8 (Belts 69)	USA	-	UNK
18161	101295	CI 16219	H. dist.	113-R-8 (Belts 69)	USA	-	UNK
18162	101296	CI 16220	H. dist.	113-R-8 (Belts 69)	USA	-	UNK
18163	101297	CI 16221	H. vulg.	114-R-8 (Belts 69)	USA	-	UNK
18164	101298	CI 16222	H. vulg.	114-R-8 (Belts 69)	USA	-	UNK
18165	101299	CI 16223	H. def.	115-R-8 (Belts 69)	USA	-	UNK
18166	101300	CI 16224	H. def.	115-R-8 (Belts 69)	USA	-	UNK
18167	101301	CI 16225	H. def.	116-R-8 (Belts 69)	USA	-	UNK
18168	101302	CI 16226	H. def.	116-R-8 (Belts 69)	USA	-	UNK
18169	101303	CI 16227	H. vulg.	117-R-8 (Belts 69)	USA	-	UNK
18170	101304	CI 16228	H. vulg.	117-R-8 (Belts 69)	USA	-	UNK
18171	101305	CI 16229	H. vulg.	118-R-8 (Belts 69)	USA	-	UNK
18172	101306	CI 16230	H. vulg.	118-R-8 (Belts 69)	USA	-	UNK
18173	101307	CI 16231	H. vulg.	119-R-8 (Belts 70)	USA	-	UNK
18174	101308	CI 16232	H. vulg.	119-R-8 (Belts 70)	USA	-	UNK
18175	101309	CI 16233	H. vulg.	120-R-8	USA	-	UNK
18176	101310	CI 16234	H. vulg.	120-R-8	USA	-	UNK
18177	101311	CI 16235	H. vulg.	121-R-8	USA	-	UNK
18178	101312	CI 16236	H. vulg.	121-R-8	USA	-	UNK
18179	101313	CI 16237	H. vulg.	88-L-12 (Belts 66)	USA	-	UNK
18180	101314	CI 16238	H. vulg.	88-L-12 (Belts 66)	USA	-	UNK
18182	101315	CI 16239	H. vulg.	122-L-12 (Belts 66)	USA	-	UNK
18183	101316	CI 16240	H. vulg.	122-1-12 (Belts 66)	USA	-	UNK
18184	101317	CI 16241	H. dist.	123-L-12 (Belts 69)	USA	-	UNK
18185	101318	CI 16242	H. dist.	123-1-12 (Belts 69)	USA	-	UNK
18186	101319	CI 16243	H. dist.	124-L-12 (Belts 69)	USA	-	UNK
18187	101320	CI 16244	H. dist.	124-1-12 (Belts 69)	USA	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
18188	101321	CI 16245	H. vulg.	125-VV-8 (Belts 69)	USA	-	UNK
18189	101322	CI 16246	H. def.	125-DEF-8 (Belts 69)	USA	-	UNK
18190	101323	CI 16247	H. vulg.	126-VV-8 (Belts 69)	USA	-	UNK
18191	101324	CI 16248	H. def.	126-DEF-8 (Belts 69)	USA	-	UNK
18192	101325	CI 16249	H. vulg.	127-VV-8 (Belts 69)	USA	-	UNK
18193	101326	CI 16250	H. def.	127-DEF-8 (Belts 69)	USA	-	UNK
18194	101327	CI 16251	H. vulg.	128-VV-8 (Belts 69)	USA	-	UNK
18195	101328	CI 16252	H. def.	128-DEF-8 (Belts 69)	USA	-	UNK
18196	101329	CI 16253	H. vulg.	129-VV-8 (Belts 69)	USA	-	UNK
18197	101330	CI 16254	H. def.	129-DEF-8 (Belts 69)	USA	-	UNK
18198	101331	CI 16255	H. vulg.	130-VV-8 (Belts 69)	USA	-	UNK
18199	101332	CI 16256	H. def.	130-DEF-8 (Belts 69)	USA	-	UNK
18200	101333	CI 16257	H. vulg.	131-N-8 (Belts 72)	USA	-	UNK
18201	101334	CI 16258	H. vulg.	131-N-8 (Belts 72)	USA	-	UNK
18202	101335	CI 16259	H. vulg.	132-N-8 (Belts 72)	USA	-	UNK
18203	101336	CI 16260	H. vulg.	132-N-8 (Belts 72)	USA	-	UNK
18204	101337	CI 16261	H. vulg.	133-N-8 (Belts 72)	USA	-	UNK
18205	101338	CI 16262	H. vulg.	133-N-8 (Belts 72)	USA	-	UNK
18206	101339	CI 16263	H. vulg.	134-N-8 (Belts 72)	USA	-	UNK
18207	101340	CI 16264	H. vulg.	134-N-8 (Belts 72)	USA	-	UNK
18208	101341	CI 16265	H. vulg.	135-N-8 (Belts 72)	USA	-	UNK
18209	101342	CI 16266	H. vulg.	135-N-8 (Belts 72)	USA	-	UNK
18210	101343	CI 16267	H. vulg.	136-N-8 (Belts 72)	USA	-	UNK
18211	101344	CI 16268	H. vulg.	136-N-8 (Belts 72)	USA	-	UNK
18212	101345	CI 16269	H. vulg.	137-N-8 (Belts 72)	USA	-	UNK
18213	101346	CI 16270	H. vulg.	137-N-8 (Belts 72)	USA	-	UNK
18214	101347	CI 16271	H. vulg.	138-N-8 (Belts 72)	USA	-	UNK
18215	101348	CI 16272	H. vulg.	138-N-8 (Belts 72)	USA	-	UNK
18216	101349	CI 16273	H. vulg.	139-N-8 (Belts 72)	USA	-	UNK
18217	101350	CI 16274	H. vulg.	139-N-8 (Belts 72)	USA	-	UNK
18218	101351	CI 16275	H. dist.	140-N-8 (Belts 72)	USA	-	UNK
18219	101352	CI 16276	H. dist.	140-N-8 (Belts 72)	USA	-	UNK
18220	101353	CI 16277	H. dist.	141-N-8 (Belts 72)	USA	-	UNK
18221	101354	CI 16278	H. dist.	141-N-8 (Belts 72)	USA	-	UNK
18222	101355	CI 16279	H. vulg.	142-N-8 (Belts 72)	USA	-	UNK
18223	101356	CI 16280	H. vulg.	142-N-8 (Belts 72)	USA	-	UNK
18224	101357	CI 16281	H. vulg.	143-N-8 (Belts 72)	USA	-	UNK
18225	101358	CI 16282	H. vulg.	143-N-8 (Belts 72)	USA	-	UNK
18226	101359	CI 16283	H. vulg.	144-N-8 (Belts 69)	USA	-	UNK
18227	101360	CI 16285	H. vulg.	145-N-8 (Belts 69)	USA	-	UNK
18228	101361	CI 16287	H. vulg.	146-N	USA	-	UNK
18229	101362	CI 16288	H. vulg.	146-N	USA	-	UNK
18230	101363	CI 16289	H. vulg.	147-N	USA	-	UNK
18231	101364	CI 16290	H. vulg.	147-N	USA	-	UNK
18231	101365	CI 16291	H. dist.	148-O-8 (Belts 72)	USA	-	UNK
18232	101366	CI 16292	H. dist.	148-O-8 (Belts 72)	USA	-	UNK
18233	101367	CI 16294	H. vulg.	149-O-8 (Belts 72)	USA	-	UNK
18234	101368	CI 16296	H. vulg.	150-O-8 (Belts 72)	USA	-	UNK
18235	101369	CI 16297	H. dist.	151-O-8 (Belts 68)	USA	-	UNK
18236	101370	CI 16298	H. dist.	151-O-8 (Belts 68)	USA	-	UNK
18237	101371	CI 16299	H. dist.	152-O-8 (Belts 68)	USA	-	UNK
18238	101372	CI 16300	H. dist.	152-O-8 (Belts 68)	USA	-	UNK
18239	101373	CI 16301	H. dist.	153-O-8 (Belts 68)	USA	-	UNK
18240	101374	CI 16302	H. dist.	153-O-8 (Belts 68)	USA	-	UNK
18241	101375	CI 16303	H. dist.	154-O-8 (Belts 68)	USA	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
18242	101376	CI 16304	H. dist.	154-O-8 (Belts 68)	USA	-	UNK
18243	101377	CI 16305	H. dist.	155-O-8 (Belts 69)	USA	-	UNK
18244	101378	CI 16306	H. dist.	155-O-8 (Belts 69)	USA	-	UNK
18245	101379	CI 16307	H. dist.	156-O-8 (Belts 69)	USA	-	UNK
18246	101380	CI 16308	H. dist.	156-O-8 (Belts 69)	USA	-	UNK
18247	101381	CI 16309	H. dist.	157-O-8 (Belts 69)	USA	-	UNK
18248	101382	CI 16310	H. dist.	157-O-8 (Belts 69)	USA	-	UNK
18249	101383	CI 16311	H. dist.	158-O-8 (Belts 69)	USA	-	UNK
18250	101384	CI 16312	H. dist.	158-O-8 (Belts 69)	USA	-	UNK
18251	101385	CI 16313	H. dist.	159-O-8 (Belts 69)	USA	-	UNK
18252	101386	CI 16314	H. dist.	159-O-8 (Belts 69)	USA	-	UNK
18253	101387	CI 16315	H. dist.	160-O-8 (Belts 69)	USA	-	UNK
18254	101388	CI 16316	H. dist.	160-O-8 (Belts 69)	USA	-	UNK
18255	101389	CI 16317	H. dist.	161-O-8 (Belts 70)	USA	-	UNK
18256	101390	CI 16318	H. dist.	161-O-8 (Belts 70)	USA	-	UNK
18257	101391	CI 16319	H. dist.	162-O-8 (Belts 70)	USA	-	UNK
18258	101392	CI 16320	H. dist.	162-O-8 (Belts 70)	USA	-	UNK
18259	101393	CI 16321	H. dist.	163-O-8 (Belts 69)	USA	-	UNK
18260	101394	CI 16322	H. dist.	163-O-8 (Belts 69)	USA	-	UNK
18261	101395	CI 16323	H. dist.	164-O-8 (Belts 69)	USA	-	UNK
18262	101396	CI 16324	H. dist.	164-O-8 (Belts 69)	USA	-	UNK
18263	101397	CI 16329	H. dist.	167-B-12 (Belts 67)	USA	-	UNK
18264	101398	CI 16330	H. dist.	167-B-12 (Belts 67)	USA	-	UNK
18265	101399	CI 16331	H. dist.	169-B-12 (Belts 67)	USA	-	UNK
18266	101400	CI 16332	H. dist.	169-B-12 (Belts 67)	USA	-	UNK
18267	101401	CI 16333	H. dist.	170-B-12 (Belts 67)	USA	-	UNK
18268	101402	CI 16334	H. dist.	170-B-12 (Belts 67)	USA	-	UNK
18269	101403	CI 16335	H. dist.	171-B-12 (Belts 67)	USA	-	UNK
18270	101404	CI 16336	H. dist.	171-B-12 (Belts 67)	USA	-	UNK
18271	101405	CI 16338	H. dist.	168-B-12 (Belts 67)	USA	-	UNK
18272	101406	CI 16339	H. dist.	172-B-8 (Belts 69)	USA	-	UNK
18273	101407	CI 16340	H. dist.	172-B-8 (Belts 69)	USA	-	UNK
18274	101408	CI 16341	H. dist.	173-B-8 (Belts 69)	USA	-	UNK
18275	101409	CI 16342	H. dist.	173-B-8 (Belts 69)	USA	-	UNK
18276	101410	CI 16343	H. vulg.	174-B-8 (Belts 69)	USA	-	UNK
18277	101411	CI 16344	H. vulg.	174-S-8 (Belts 69)	USA	-	UNK
18278	101412	CI 16345	H. vulg.	175-S-8 (Belts 69)	USA	-	UNK
18279	101413	CI 16346	H. vulg.	175-S-8 (Belts 69)	USA	-	UNK
18280	101414	CI 16347	H. vulg.	87-K-12 (Belts 68)	USA	-	UNK
18281	101415	CI 16348	H. vulg.	87-K-12 (Belts 68)	USA	-	UNK
18282	101416	CI 16349	H. vulg.	176-K-12 (Belts 68)	USA	-	UNK
18283	101417	CI 16350	H. vulg.	176-K-12 (Belts 68)	USA	-	UNK
18284	101418	CI 16351	H. vulg.	177-DDT-8 (Belts 72)	USA	-	UNK
18285	101419	CI 16352	H. vulg.	177-DDT-8 (Belts 72)	USA	-	UNK
18286	101420	CI 16357	H. vulg.	180-DDT-8 (Belts 72)	USA	-	UNK
18287	101421	CI 16358	H. vulg.	180-DDT-8 (Belts 72)	USA	-	UNK
18288	101422	CI 16359	H. vulg.	181-DDT-8 (Belts 72)	USA	-	UNK
18289	101423	CI 16360	H. vulg.	181-DDT-8 (Belts 72)	USA	-	UNK
18290	101424	CI 16361	H. vulg.	182-DDT-8 (Belts 72)	USA	-	UNK
18291	101425	CI 16362	H. vulg.	182-DDT-8 (Belts 72)	USA	-	UNK
18292	101426	CI 16363	H. vulg.	183-DDT-8 (Belts 72)	USA	-	UNK
18293	101427	CI 16364	H. vulg.	183-DDT-8 (Belts 72)	USA	-	UNK
18294	101428	CI 16365	H. vulg.	184-DDT-8 (Belts 72)	USA	-	UNK
18295	101429	CI 16366	H. vulg.	184-DDT-8 (Belts 72)	USA	-	UNK
18296	101430	CI 16367	H. vulg.	185-DDT-8 (Belts 72)	USA	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
18297	101431	CI 16368	H. vulg.	185-DDT-8 (Belts 72)	USA	-	UNK
18298	101432	CI 16369	H. vulg.	186-DDT-8 (Belts 72)	USA	-	UNK
18299	101433	CI 16370	H. vulg.	186-DDT-8 (Belts 72)	USA	-	UNK
18300	101434	CI 16371	H. vulg.	187-DDT-8 (Belts 72)	USA	-	UNK
18301	101435	CI 16372	H. vulg.	187-DDT-8 (Belts 72)	USA	-	UNK
18302	101436	CI 16373	H. vulg.	188-DDT-8 (Belts 72)	USA	-	UNK
18303	101437	CI 16374	H. vulg.	188-DDT-8 (Belts 72)	USA	-	UNK
18304	101438	CI 16375	H. vulg.	189-LK-8 (Belts 69)	USA	-	UNK
18305	101439	CI 16376	H. vulg.	189-LK-8 (Belts 69)	USA	-	UNK
18306	101440	CI 16377	H. vulg.	190-LK-8 (Belts 69)	USA	-	UNK
18307	101441	CI 16379	H. vulg.	191-LK-8 (Belts 70)	USA	-	UNK
18308	101442	CI 16380	H. vulg.	191-LK-8 (Belts 70)	USA	-	UNK
18309	101443	CI 16381	H. vulg.	192-LK-8 (Belts 70)	USA	-	UNK
18310	101444	CI 16382	H. vulg.	192-LK-8 (Belts 70)	USA	-	UNK
18311	101445	CI 16383	H. vulg.	193-LK-8 (Belts 70)	USA	-	UNK
18312	101446	CI 16384	H. vulg.	193-LK-8 (Belts 70)	USA	-	UNK
18313	101447	CI 16385	H. vulg.	194-LK-8 (Belts 70)	USA	-	UNK
18314	101448	CI 16386	H. vulg.	194-LK-8 (Belts 70)	USA	-	UNK
18315	101449	CI 16387	H. vulg.	195-LK-8 (Belts 70)	USA	-	UNK
18316	101450	CI 16388	H. vulg.	195-LK-8 (Belts 70)	USA	-	UNK
18317	101451	CI 16389	H. vulg.	196-LK-8 (Belts 70)	USA	-	UNK
18318	101452	CI 16390	H. vulg.	196-LK-8 (Belts 70)	USA	-	UNK
18319	101453	CI 16391	H. vulg.	197-LK-8 (Belts 71)	USA	-	UNK
18320	101454	CI 16393	H. vulg.	198-LK-8	USA	-	UNK
18321	101455	CI 16395	H. vulg.	199-LK-8	USA	-	UNK
18322	101456	CI 16396	H. vulg.	199-LK-8 (Belts 68)	USA	-	UNK
18323	101457	CI 16397	H. dist.	90-2-12 (Belts 69)	USA	-	UNK
18324	101458	CI 16398	H. vulg.	90-6-12 (Belts 69)	USA	-	UNK
18325	101459	CI 16399	H. dist.	200-2-12 (Belts 68)	USA	-	UNK
18326	101460	CI 16400	H. vulg.	200-6-12 (Belts 68)	USA	-	UNK
18327	101461	CI 16401	H. dist.	201-2-12 (Belts 68)	USA	-	UNK
18328	101462	CI 16402	H. vulg.	201-6-12 (Belts 68)	USA	-	UNK
18329	101463	CI 16403	H. dist.	202-2-12 (Belts 68)	USA	-	UNK
18330	101464	CI 16404	H. vulg.	202-6-12 (Belts 68)	USA	-	UNK
18331	101465	CI 16405	H. dist.	91-2-12 (Belts 68)	USA	-	UNK
18332	101466	CI 16406	H. vulg.	91-6-12 (Belts 68)	USA	-	UNK
18333	101467	CI 16407	H. dist.	203-2-12 (Belts 68)	USA	-	UNK
18334	101468	CI 16408	H. vulg.	203-6-12 (Belts 68)	USA	-	UNK
18335	101469	CI 16409	H. dist.	204-2-12 (Belts 68)	USA	-	UNK
18336	101470	CI 16410	H. vulg.	204-6-12 (Belts 68)	USA	-	UNK
18337	101471	CI 16411	H. dist.	205-2-8 (Belts 68)	USA	-	UNK
18338	101472	CI 16412	H. vulg.	205-6-8 (Belts 68)	USA	-	UNK
18339	101473	CI 16413	H. dist.	206-2-8 (Belts 68)	USA	-	UNK
18340	101474	CI 16414	H. vulg.	206-6-8 (Belts 68)	USA	-	UNK
18341	101475	CI 16415	H. dist.	207-2-8 (Belts 68)	USA	-	UNK
18342	101476	CI 16416	H. vulg.	207-6-8 (Belts 68)	USA	-	UNK
18343	101477	CI 16417	H. dist.	208-2-8 (Belts 69)	USA	-	UNK
18344	101478	CI 16418	H. vulg.	208-6-8 (Belts 69)	USA	-	UNK
18345	101479	CI 16419	H. dist.	209-2-8 (Belts 69)	USA	-	UNK
18346	101480	CI 16420	H. vulg.	209-6-8 (Belts 69)	USA	-	UNK
18347	101481	CI 16421	H. dist.	89-2-8 (Belts 64-1)	USA	-	UNK
18348	101482	CI 16422	H. vulg.	89-6-8 (Belts 64-1)	USA	-	UNK
18349	101483	CI 16423	H. dist.	210-2-8 (Belts 69)	USA	-	UNK
18350	101484	CI 16424	H. vulg.	210-6-8 (Belts 69)	USA	-	UNK
18351	101485	CI 16425	H. vulg.	211-M1-8 (Belts 70)	USA	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
18352	101486	CI 16426	H. vulg.	211-M1-8 (Belts 70)	USA	-	UNK
18353	101487	CI 16427	H. vulg.	212-M1-8 (Belts 70)	USA	-	UNK
18354	101488	CI 16428	H. vulg.	212-M1-8 (Belts 70)	USA	-	UNK
18355	101489	CI 16429	H. vulg.	213-M1-8 (Belts 70)	USA	-	UNK
18356	101490	CI 16430	H. vulg.	213-M1-8 (Belts 70)	USA	-	UNK
18357	101491	CI 16431	H. vulg.	214-M1-8 (Belts 70)	USA	-	UNK
18358	101492	CI 16432	H. vulg.	214-M1-8 (Belts 70)	USA	-	UNK
18359	101493	CI 16433	H. vulg.	215-M1-8 (Belts 70)	USA	-	UNK
18360	101494	CI 16434	H. vulg.	215-M1-8 (Belts 70)	USA	-	UNK
18361	101495	CI 16435	H. vulg.	216-M1-8 (Belts 70)	USA	-	UNK
18362	101496	CI 16436	H. vulg.	216-M1-8 (Belts 70)	USA	-	UNK
18363	101497	CI 16437	H. vulg.	217-M1-7 (Belts 70)	USA	-	UNK
18364	101498	CI 16438	H. vulg.	217-M1-7 (Belts 70)	USA	-	UNK
18365	101499	CI 16439	H. vulg.	218-M1-7 (Belts 70)	USA	-	UNK
18366	101500	CI 16440	H. vulg.	218-M1-7 (Belts 70)	USA	-	UNK
18367	101501	CI 16441	H. vulg.	219-M1-8 (Belts 67)	USA	-	UNK
18368	101502	CI 16443	H. vulg.	220-M1-8 (Belts 67)	USA	-	UNK
18369	101503	CI 16444	H. vulg.	220-M1-8 (Belts 67)	USA	-	UNK
18370	101504	CI 16445	H. vulg.	221-PA-8 (Belts 68)	USA	-	UNK
18371	101505	CI 16446	H. vulg.	221-PA-8 (Belts 68)	USA	-	UNK
18372	101506	CI 16447	H. vulg.	222-PA-8 (Belts 68)	USA	-	UNK
18373	101507	CI 16448	H. vulg.	222-PA-8 (Belts 68)	USA	-	UNK
18374	101508	CI 16449	H. vulg.	223-PA-8 (Belts 68)	USA	-	UNK
18375	101509	CI 16450	H. vulg.	223-PA-8 (Belts 68)	USA	-	UNK
18376	101510	CI 16451	H. vulg.	224-PA-8 (Belts 68)	USA	-	UNK
18377	101511	CI 16452	H. vulg.	224-PA-8 (Belts 68)	USA	-	UNK
18378	101512	CI 16453	H. vulg.	225-PA-8 (Belts 68)	USA	-	UNK
18379	101513	CI 16454	H. vulg.	225-PA-8 (Belts 68)	USA	-	UNK
18380	101514	CI 16456	H. vulg.	226-PA-8 (Belts 68)	USA	-	UNK
18381	101515	CI 16457	H. vulg.	227-PA-7 (Belts 70)	USA	-	UNK
18382	101516	CI 16458	H. vulg.	227-PA-7 (Belts 70)	USA	-	UNK
18383	101517	CI 16459	H. vulg.	228-PA-7 (Belts 70)	USA	-	UNK
18384	101518	CI 16460	H. vulg.	228-PA-7 (Belts 70)	USA	-	UNK
18385	101519	CI 16461	H. vulg.	229-PA-8 (Belts 70)	USA	-	UNK
18386	101520	CI 16462	H. vulg.	229-PA-8 (Belts 70)	USA	-	UNK
18387	101521	CI 16463	H. vulg.	230-PA-8 (Belts 70)	USA	-	UNK
18388	101522	CI 16464	H. vulg.	230-PA-8 (Belts 70)	USA	-	UNK
18389	101523	CI 16465	H. vulg.	84-HS-12 (Belts 66)	USA	-	UNK
18390	101524	CI 16466	H. vulg.	84-HS-12 (Belts 66)	USA	-	UNK
18391	101525	CI 16467	H. vulg.	85-HS-12 (Belts 66)	USA	-	UNK
18392	101526	CI 16468	H. vulg.	85-HS-12 (Belts 66)	USA	-	UNK
18393	101527	CI 16473	-	233-HS-8 (Belts 70)	USA	-	UNK
18394	101528	CI 16475	-	234-HS-8 (Belts 70)	USA	-	UNK
18395	101529	CI 16476	-	234-HS-8 (Belts 70)	USA	-	UNK
18396	101530	CI 16478	H. vulg.	235-HS-8 (Belts 70)	USA	-	UNK
18397	101531	CI 16479	H. vulg.	236-HS-8 (Belts 70)	USA	-	UNK
18398	101532	CI 16480	H. vulg.	236-HS-8 (Belts 70)	USA	-	UNK
18399	101533	CI 16481	-	237-HS-8 (Belts 71)	USA	-	UNK
18400	101534	CI 16482	-	237-HS-8 (Belts 71)	USA	-	UNK
18404	101535	CI 16483	-	238-HS-8 (Belts 71)	USA	-	UNK
18402	101536	CI 16484	-	238-HS-8 (Belts 71)	USA	-	UNK
18403	101537	CI 16485	-	239 LK 6 Belts 73 CG 699	USA	-	UNK
18404	101538	CI 16486	-	239 LK 6 Belts 73 CG 699	USA	-	UNK
18405	101539	CI 16487	-	240 LK 6 Belts 73 CG 699	USA	-	UNK
18406	101540	CI 16488	-	240 LK 6 Belts 73 CG 699	USA	-	UNK

IG	ICB	PI/CI	SC NAME	OTH	ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
18407	101541	CI 16489	-	-		USA	-	UNK
18408	101542	CI 16490	-	-		USA	-	UNK
18409	101543	CI 16491	-	-		USA	-	UNK
18410	101544	CI 16492	-	-		USA	-	UNK
18411	101545	CI 16493	-	-		USA	-	UNK
18412	101546	CI 16494	-	-		USA	-	UNK
18413	101547	CI 16496	-	-		USA	-	UNK
18414	101548	CI 16498	-	-		USA	-	UNK
18415	101549	CI 16499	-	-		USA	-	UNK
18416	101550	CI 16500	-	-		USA	-	UNK
18417	101551	CI 16503	-	-		USA	-	UNK
18418	101552	CI 16505	-	-		USA	-	UNK
18419	101553	CI 16506	-	-		USA	-	UNK
18420	101554	CI 16507	-	-		USA	-	UNK
18421	101555	CI 16508	-	-		USA	-	UNK
18422	101556	CI 16509	-	-		USA	-	UNK
18423	101557	CI 16510	-	-		USA	-	UNK
18424	101558	CI 16511	-	-		USA	-	UNK
18425	101559	CI 16512	-	-		USA	-	UNK
18426	101560	CI 16513	-	-		USA	-	UNK
18427	101561	CI 16514	-	-		USA	-	UNK
18428	101562	CI 16515	-	-		USA	-	UNK
18429	101563	CI 16516	-	-		USA	-	UNK
18430	101564	CI 16517	-	-		USA	-	UNK
18431	101565	CI 16518	-	-		USA	-	UNK
18432	101566	CI 16519	-	-		USA	-	UNK
18433	101567	CI 16520	-	-		USA	-	UNK
18434	101568	CI 16521	-	-		USA	-	UNK
18435	101569	CI 16522	-	-		USA	-	UNK
18436	101570	CI 16523	-	-		USA	-	UNK
18437	101571	CI 16524	-	-		USA	-	UNK
18438	101572	CI 16525	-	-		USA	-	UNK
18439	101573	CI 16526	-	-		USA	-	UNK
18440	101574	CI 16527	-	-		USA	-	UNK
18441	101575	CI 16528	-	-		USA	-	UNK
18442	101576	CI 16529	-	-		USA	-	UNK
18443	101577	CI 16530	-	-		USA	-	UNK
18444	101578	CI 16531	-	-		USA	-	UNK
18445	101579	CI 16532	-	-		USA	-	UNK
18446	101580	CI 16533	-	-		USA	-	UNK
18447	101581	CI 16534	-	-		USA	-	UNK
18448	101582	CI 16537	-	-		USA	-	UNK
18449	101583	CI 16538	-	-		USA	-	UNK
18450	101584	CI 16539	-	-		USA	-	UNK
18451	101585	CI 16540	-	-		USA	-	UNK
18452	101586	CI 16541	-	-		USA	-	UNK
18453	101587	CI 16542	-	-		USA	-	UNK
18454	101588	CI 16543	-	-		USA	-	UNK
18455	101589	CI 16544	-	-		USA	-	UNK
18456	101590	CI 16545	-	-		USA	-	UNK
18457	101591	CI 16546	-	-		USA	-	UNK
18458	101592	CI 16547	-	-		USA	-	UNK
18459	101593	CI 16548	-	-		USA	-	UNK
18460	101594	CI 16549	-	-		USA	-	UNK
18461	101595	CI 16550	-	-		USA	-	UNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
18462	101596	CI 16551	-	-	USA	-	UNK
18463	101597	CI 16552	-	-	USA	-	UNK
18464	101598	CI 16553	-	-	USA	-	UNK
18465	101599	CI 16554	-	-	USA	-	UNK
18466	101600	CI 16555	-	-	USA	-	UNK
18467	101601	CI 16556	-	-	USA	-	UNK
18468	101602	PI 327893	H. vulg.	A Hor 35\61	AUT	-	PAL
18469	101603	PI 327894	H. vulg.	A Hor 36\61	DEU	-	PAL
18470	101604	PI 327895	H. vulg.	A Hor 37\59	DEU	-	PAL
18471	101605	PI 327897	H. vulg.	A Hor 39\61	DEU	-	PAL
18472	101606	PI 327898	H. dist.	A Hor 40\58	DEU	-	PAL
18473	101607	PI 327899	H. def.	A Hor 41\61	DEU	-	PAL
18474	101608	PI 327900	H. vulg.	A Hor 44\58	DEU	-	PAL
18475	101609	PI 327901	H. dist.	A Hor 45\61	DEU	-	PAL
18476	101610	PI 327902	H. vulg.	A Hor 46\61	BGR	-	PAL
18477	101611	PI 327903	H. vulg.	A Hor 47\61	BGR	-	PAL
18478	101612	PI 327904	H. vulg.	A Hor 48\61	BGR	-	PAL
18479	101613	PI 327905	H. vulg.	A Hor 50\58	BGR	-	PAL
18480	101614	PI 327906	H. vulg.	A Hor 51\61	BGR	-	PAL
18481	101615	PI 327907	H. vulg.	A Hor 52\61	BGR	-	PAL
18482	101616	PI 327908	H. vulg.	A Hor 53\61	BGR	-	PAL
18483	101617	PI 327909	H. vulg.	A Hor 54\61	BGR	-	PAL
18484	101618	PI 327910	H. vulg.	A Hor 55\61	BGR	-	PAL
18485	101619	PI 327911	H. vulg.	A Hor 57\61	DEU	-	PAL
18486	101620	PI 327912	H. vulg.	A Hor 58\61	DEU	-	PAL
18487	101621	PI 327913	H. dist.	A Hor 59\58	DEU	-	PAL
18488	101622	PI 327914	H. dist.	A Hor 60\61	DEU	-	PAL
18489	101623	PI 327915	H. dist.	A Hor 61\61	DEU	-	PAL
18490	101624	PI 327916	H. dist.	A Hor 62\61	DEU	-	PAL
18491	101625	PI 327917	H. dist.	A Hor 63\58	DEU	-	PAL
18492	101626	PI 327918	H. dist.	A Hor 64\61	DEU	-	PAL
18493	101627	PI 327919	H. dist.	A Hor 65\61	DEU	-	PAL
18494	101628	PI 327920	H. dist.	A Hor 66\61	DEU	-	PAL
18495	101629	PI 327923	H. dist.	A Hor 69\61	DEU	-	PAL
18496	101630	PI 327924	H. dist.	A Hor 70\61	DEU	-	PAL
18497	101631	PI 327925	H. dist.	A Hor 71\61	DEU	-	PAL
18498	101632	PI 327926	H. dist.	A Hor 72\61	DEU	-	PAL
18499	101633	PI 327927	H. dist.	A Hor 73\61	DEU	-	PAL
18500	101634	PI 327928	H. dist.	A Hor 76\61	DEU	-	PAL
18501	101635	PI 327929	H. dist.	A Hor 77\61	DEU	-	PAL
18502	101636	PI 327930	H. dist.	A Hor 78\61	DEU	-	PAL
18503	101637	PI 327931	H. dist.	A Hor 79\61	DEU	-	PAL
18504	101638	PI 327932	H. dist.	A Hor 81\61	DEU	-	PAL
18505	101639	PI 327933	H. vulg.	A Hor 82\61	DEU	-	PAL
18506	101640	PI 327934	H. vulg.	A Hor 83\61	DEU	-	PAL
18507	101641	PI 327935	H. vulg.	A Hor 84\61	DEU	-	PAL
18508	101642	PI 327936	H. vulg.	A Hor 85\58	DEU	-	PAL
18509	101643	PI 327937	H. dist.	A Hor 88\61	DEU	-	PAL
18510	101644	PI 327938	H. dist.	A Hor 89\61	DEU	-	PAL
18511	101645	PI 327939	H. vulg.	A Hor 90\58	DEU	-	PAL
18512	101646	PI 327940	H. vulg.	A Hor 93\61	DEU	-	PAL
18513	101647	PI 327941	H. vulg.	A Hor 94\61	DEU	-	PAL
18514	101648	PI 327942	H. dist.	A Hor 95\61	DEU	-	PAL
18515	101649	PI 327943	H. dist.	A Hor 96\58	DEU	-	PAL
18516	101650	PI 327944	H. dist.	A Hor 98\61	DEU	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
18517	101651	PI 327945	H. dist.	A Hor 99\61	DEU	-	PAL
18518	101652	PI 327946	H. dist.	A Hor 100\61	DEU	-	PAL
18519	101653	PI 327947	H. dist.	A Hor 101\61	DEU	-	PAL
18520	101654	PI 327948	H. dist.	A Hor 102\61	DEU	-	PAL
18521	101655	PI 327949	H. dist.	A Hor 103\61	DEU	-	PAL
18522	101656	PI 327950	H. vulg.	A Hor 104\61	DEU	-	PAL
18523	101657	PI 327951	H. vulg.	A Hor 105\61	DEU	-	PAL
18524	101658	PI 327952	H. vulg.	A Hor 106\61	DEU	-	PAL
18525	101659	PI 327954	H. vulg.	A Hor 108\61	DEU	-	PAL
18526	101660	PI 327955	H. vulg.	A Hor 110\61	DEU	-	PAL
18527	101661	PI 327956	H. vulg.	A Hor 111\61	DEU	-	PAL
18528	101662	PI 327957	H. vulg.	A Hor 112\61	DEU	-	PAL
18529	101663	PI 327958	H. vulg.	A Hor 113\61	DEU	-	PAL
18530	101664	PI 327959	H. vulg.	A Hor 114\61	DEU	-	PAL
18531	101665	PI 327960	H. vulg.	A Hor 115\61	DEU	-	PAL
18532	101666	PI 327961	H. vulg.	A Hor 116\61	DEU	-	PAL
18533	101667	PI 327962	H. vulg.	A Hor 117\61	DEU	-	PAL
18534	101668	PI 327963	H. vulg.	A Hor 118\61	DEU	-	PAL
18535	101669	PI 327965	H. vulg.	A Hor 121\61	DEU	-	PAL
18536	101670	PI 327967	H. vulg.	A Hor 124\61	DEU	-	PAL
18537	101671	PI 327968	H. vulg.	A Hor 125\61	DEU	-	PAL
18538	101672	PI 327969	H. vulg.	A Hor 126\61	DEU	-	PAL
18539	101673	PI 327970	H. vulg.	A Hor 127\61	DEU	-	PAL
18540	101674	PI 327971	H. vulg.	A Hor 128\61	DEU	-	PAL
18541	101675	PI 327972	H. vulg.	A Hor 129\61	DEU	-	PAL
18542	101676	PI 327973	H. vulg.	A Hor 130\61	DEU	-	PAL
18543	101677	PI 327974	H. vulg.	A Hor 131\59	DEU	-	PAL
18544	101678	PI 327975	H. vulg.	A Hor 132\59	DEU	-	PAL
18545	101679	PI 327976	H. vulg.	A Hor 133\59	DEU	-	PAL
18546	101680	PI 327978	H. vulg.	A Hor 136\61	DEU	-	PAL
18547	101681	PI 327979	H. vulg.	A Hor 137\58	DEU	-	PAL
18548	101682	PI 327980	H. vulg.	A Hor 138\61	DEU	-	PAL
18549	101683	PI 327981	H. vulg.	A Hor 139\58	DEU	-	PAL
18550	101684	PI 327982	H. vulg.	A Hor 140\58	DEU	-	PAL
18551	101685	PI 327983	H. vulg.	A Hor 141\58	DEU	-	PAL
18552	101686	PI 327984	H. vulg.	A Hor 143\60	DEU	-	PAL
18553	101687	PI 327985	H. vulg.	A Hor 144\58	DEU	-	PAL
18554	101688	PI 327986	H. vulg.	A Hor 147\61	DEU	-	PAL
18555	101689	PI 327987	H. vulg.	A Hor 152\59	DEU	-	PAL
18556	101690	PI 327988	H. vulg.	A Hor 155\58	DEU	-	PAL
18557	101691	PI 327989	H. vulg.	A Hor 156\58	DEU	-	PAL
18558	101692	PI 327991	H. vulg.	A Hor 158\58	DEU	-	PAL
18559	101693	PI 327992	H. vulg.	A Hor 159\61	DEU	-	PAL
18560	101694	PI 327993	H. vulg.	A Hor 160\61	DEU	-	PAL
18561	101695	PI 327996	H. vulg.	A Hor 166\58	DEU	-	PAL
18562	101696	PI 327997	H. vulg.	A Hor 170\59	DEU	-	PAL
18563	101697	PI 327998	H. vulg.	A Hor 171\61	DEU	-	PAL
18564	101698	PI 327999	H. vulg.	A Hor 174\61	DEU	-	PAL
18565	101699	PI 328000	H. vulg.	A Hor 175\61	DEU	-	PAL
18566	101700	PI 328001	H. vulg.	A Hor 176\61	DEU	-	PAL
18567	101701	PI 328003	H. vulg.	A Hor 179\61	DEU	-	PAL
18568	101702	PI 328004	H. vulg.	A Hor 180\61	DEU	-	PAL
18569	101703	PI 328005	H. vulg.	A Hor 182\61	DEU	-	PAL
18570	101704	PI 328006	H. vulg.	A Hor 183\61	DEU	-	PAL
18571	101705	PI 328007	H. vulg.	A Hor 185\61	DEU	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
18572	101706	PI 328008	H. vulg.	A Hor 186\61	DEU	-	PAL
18573	101707	PI 328009	H. vulg.	A Hor 187\61	DEU	-	PAL
18574	101708	PI 328012	H. vulg.	A Hor 190\61	DEU	-	PAL
18575	101709	PI 328013	H. vulg.	A Hor 191\61	DEU	-	PAL
18576	101710	PI 328014	H. vulg.	A Hor 192\61	DEU	-	PAL
18577	101711	PI 328015	H. vulg.	A Hor 193\58	DEU	-	PAL
18578	101712	PI 328016	H. vulg.	A Hor 194\61	DEU	-	PAL
18579	101713	PI 328017	H. vulg.	A Hor 195\61	DEU	-	PAL
18580	101714	PI 328018	H. vulg.	A Hor 197\61	DEU	-	PAL
18581	101715	PI 328019	H. vulg.	A Hor 198\61	DEU	-	PAL
18582	101716	PI 328020	H. vulg.	A Hor 199\61	DEU	-	PAL
18583	101717	PI 328021	H. vulg.	A Hor 200\61	DEU	-	PAL
18584	101718	PI 328022	H. vulg.	A Hor 201\61	DEU	-	PAL
18585	101719	PI 328023	H. vulg.	A Hor 202\58	DEU	-	PAL
18586	101720	PI 328024	H. vulg.	A Hor 203\61	DEU	-	PAL
18587	101721	PI 328025	H. vulg.	A Hor 204\57	DEU	-	PAL
18588	101722	PI 328027	H. vulg.	A Hor 207\58	DEU	-	PAL
18589	101723	PI 328028	H. vulg.	A Hor 209\58	DEU	-	PAL
18590	101724	PI 328029	H. vulg.	A Hor 211\58	DEU	-	PAL
18591	101725	PI 328030	H. vulg.	A Hor 212\58	DEU	-	PAL
18592	101726	PI 328031	H. vulg.	A Hor 214\61	DEU	-	PAL
18593	101727	PI 328032	H. vulg.	A Hor 215\61	DEU	-	PAL
18594	101728	PI 328033	H. vulg.	A Hor 216\61	DEU	-	PAL
18595	101729	PI 328034	H. vulg.	A Hor 218\61	DEU	-	PAL
18596	101730	PI 328035	H. vulg.	A Hor 219\61	DEU	-	PAL
18597	101731	PI 328036	H. vulg.	A Hor 220\61	DEU	-	PAL
18598	101732	PI 328037	H. vulg.	A Hor 221\61	DEU	-	PAL
18599	101733	PI 328038	H. vulg.	A Hor 222\58	DEU	-	PAL
18600	101734	PI 328039	H. vulg.	A Hor 223\61	DEU	-	PAL
18601	101735	PI 328041	H. vulg.	A Hor 225\61	DEU	-	PAL
18602	101736	PI 328043	H. vulg.	A Hor 227\61	DEU	-	PAL
18603	101737	PI 328044	H. vulg.	A Hor 228\61	DEU	-	PAL
18604	101738	PI 328046	H. vulg.	A Hor 232\58	DEU	-	PAL
18605	101739	PI 328048	H. vulg.	A Hor 234\58	DEU	-	PAL
18606	101740	PI 328049	H. vulg.	A Hor 235\61	DEU	-	PAL
18607	101741	PI 328050	H. vulg.	A Hor 238\61	DEU	-	PAL
18608	101742	PI 328052	H. vulg.	A Hor 240\61	DEU	-	PAL
18609	101743	PI 328053	H. vulg.	A Hor 241\61	DEU	-	PAL
18610	101744	PI 328054	H. vulg.	A Hor 242\61	DEU	-	PAL
18611	101745	PI 328055	H. vulg.	A Hor 243\61	DEU	-	PAL
18612	101746	PI 328056	H. vulg.	A Hor 244\61	DEU	-	PAL
18613	101747	PI 328057	H. vulg.	A Hor 245\61	DEU	-	PAL
18614	101748	PI 328058	H. vulg.	A Hor 246\61	DEU	-	PAL
18615	101749	PI 328059	H. vulg.	A Hor 247\61	DEU	-	PAL
18616	101750	PI 328060	H. vulg.	A Hor 248\61	DEU	-	PAL
18617	101751	PI 328061	H. vulg.	A Hor 249\61	DEU	-	PAL
18618	101752	PI 328062	H. vulg.	A Hor 250\61	DEU	-	PAL
18619	101753	PI 328063	H. vulg.	A Hor 252\61	DEU	-	PAL
18620	101754	PI 328064	H. vulg.	A Hor 253\61	DEU	-	PAL
18621	101755	PI 328065	H. vulg.	A Hor 254\58	DEU	-	PAL
18622	101756	PI 328066	H. vulg.	A Hor 255\61	DEU	-	PAL
18623	101757	PI 328067	H. vulg.	A Hor 256\61	DEU	-	PAL
18624	101758	PI 328068	H. vulg.	A Hor 257\61	DEU	-	PAL
18625	101759	PI 328069	H. vulg.	A Hor 259\61	DEU	-	PAL
18626	101760	PI 328070	H. vulg.	A Hor 260\60	DEU	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
18627	101761	PI 328071	H. vulg.	A Hor 261\60	DEU	-	PAL
18628	101762	PI 328072	H. vulg.	A Hor 264\61	DEU	-	PAL
18629	101763	PI 328073	H. vulg.	A Hor 265\61	DEU	-	PAL
18630	101764	PI 328074	H. vulg.	A Hor 269\61	DEU	-	PAL
18631	101765	PI 328075	H. vulg.	A Hor 270\61	DEU	-	PAL
18632	101766	PI 328076	H. vulg.	A Hor 271\61	DEU	-	PAL
18633	101767	PI 328077	H. vulg.	A Hor 272\61	DEU	-	PAL
18634	101768	PI 328078	H. vulg.	A Hor 273\61	DEU	-	PAL
18635	101769	PI 328079	H. vulg.	A Hor 274\61	DEU	-	PAL
18636	101770	PI 328080	H. vulg.	A Hor 276\61	DEU	-	PAL
18637	101771	PI 328081	H. vulg.	A Hor 277\61	DEU	-	PAL
18638	101772	PI 328082	H. vulg.	A Hor 278\61	DEU	-	PAL
18639	101773	PI 328083	H. vulg.	A Hor 279\61	DEU	-	PAL
18640	101774	PI 328084	H. vulg.	A Hor 280\61	DEU	-	PAL
18641	101775	PI 328085	H. vulg.	A Hor 281\58	DEU	-	PAL
18642	101776	PI 328086	H. vulg.	A Hor 282\61	DEU	-	PAL
18643	101777	PI 328087	H. vulg.	A Hor 285\61	DEU	-	PAL
18644	101778	PI 328088	H. vulg.	A Hor 287\61	DEU	-	PAL
18645	101779	PI 328089	H. vulg.	A Hor 288\61	DEU	-	PAL
18646	101780	PI 328090	H. vulg.	A Hor 289\61	DEU	-	PAL
18647	101781	PI 328091	H. vulg.	A Hor 290\61	DEU	-	PAL
18648	101782	PI 328092	H. vulg.	A Hor 291\61	DEU	-	PAL
18649	101783	PI 328093	H. vulg.	A Hor 292\61	DEU	-	PAL
18650	101784	PI 328095	H. vulg.	A Hor 294\61	DEU	-	PAL
18651	101785	PI 328096	H. vulg.	A Hor 295\57	DEU	-	PAL
18652	101786	PI 328097	H. vulg.	A Hor 296\58	DEU	-	PAL
18653	101787	PI 328098	H. vulg.	A Hor 297\61	DEU	-	PAL
18654	101788	PI 328099	H. vulg.	A Hor 298\61	DEU	-	PAL
18655	101789	PI 328100	H. vulg.	A Hor 300\61	DEU	-	PAL
18656	101790	PI 328101	H. vulg.	A Hor 303\61	DEU	-	PAL
18657	101791	PI 328102	H. vulg.	A Hor 306\61	DEU	-	PAL
18658	101792	PI 328103	H. vulg.	A Hor 307\58	DEU	-	PAL
18659	101793	PI 328104	H. vulg.	A Hor 309\58	DEU	-	PAL
18660	101794	PI 328105	H. vulg.	A Hor 310\61	DEU	-	PAL
18661	101795	PI 328106	H. vulg.	A Hor 311\61	DEU	-	PAL
18662	101796	PI 328107	H. vulg.	A Hor 312\61	DEU	-	PAL
18663	101797	PI 328108	H. vulg.	A Hor 313\58	DEU	-	PAL
18664	101798	PI 328109	H. vulg.	A Hor 314\61	SWE	-	PAL
18665	101799	PI 328110	H. vulg.	A Hor 315\61	SWE	-	PAL
18666	101800	PI 328111	H. vulg.	A Hor 316\61	SWE	-	PAL
18667	101801	PI 328112	H. vulg.	A Hor 317\61	SWE	-	PAL
18668	101802	PI 328114	H. vulg.	A Hor 320\61	SWE	-	PAL
18669	101803	PI 328116	H. vulg.	A Hor 322\58	SWE	-	PAL
18670	101804	PI 328117	H. vulg.	A Hor 323\61	SWE	-	PAL
18671	101805	PI 328118	H. vulg.	A Hor 324\58	DEU	-	PAL
18672	101806	PI 328119	H. vulg.	A Hor 326\61	DEU	-	PAL
18673	101807	PI 328121	H. vulg.	A Hor 328\61	DEU	-	PAL
18674	101808	PI 328122	H. vulg.	A Hor 329\58	DEU	-	PAL
18675	101809	PI 328123	H. vulg.	A Hor 330\58	DEU	-	PAL
18676	101810	PI 328124	H. vulg.	A Hor 331\61	DEU	-	PAL
18677	101811	PI 328125	H. vulg.	A Hor 333\61	DEU	-	PAL
18678	101812	PI 328126	H. vulg.	A Hor 335\61	DEU	-	PAL
18679	101813	PI 328129	H. vulg.	A Hor 338\61	DEU	-	PAL
18680	101814	PI 328130	H. vulg.	A Hor 341\61	DEU	-	PAL
18681	101815	PI 328131	H. vulg.	A Hor 343\61	DEU	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
18682	101816	PI 328132	H. vulg.	A Hor 344\58	DEU	-	PAL
18683	101817	PI 328133	H. vulg.	A Hor 345\58	DEU	-	PAL
18684	101818	PI 328134	H. vulg.	A Hor 346\58	DEU	-	PAL
18685	101819	PI 328135	H. vulg.	A Hor 347\58	DEU	-	PAL
18686	101820	PI 328136	H. vulg.	A Hor 348\58	DEU	-	PAL
18687	101821	PI 328137	H. vulg.	A Hor 349\61	DEU	-	PAL
18688	101822	PI 328138	H. vulg.	A Hor 350\58	DEU	-	PAL
18689	101823	PI 328140	H. vulg.	A Hor 352\58	DEU	-	PAL
18690	101824	PI 328141	H. vulg.	A Hor 353\58	DEU	-	PAL
18691	101825	PI 328142	H. vulg.	A Hor 353\58	DEU	-	PAL
18692	101826	PI 328143	H. vulg.	A Hor 358\61	DEU	-	PAL
18693	101827	PI 328144	H. vulg.	A Hor 359\60	DEU	-	PAL
18694	101828	PI 328145	H. vulg.	A Hor 361\61	DEU	-	PAL
18695	101829	PI 328146	H. vulg.	A Hor 363\61	DEU	-	PAL
18696	101830	PI 328147	H. vulg.	A Hor 364\61	DEU	-	PAL
18697	101831	PI 328148	H. vulg.	A Hor 365\61	DEU	-	PAL
18698	101832	PI 328149	H. vulg.	A Hor 366\61	TUR	-	PAL
18699	101833	PI 328150	H. vulg.	A Hor 367\61	TUR	-	PAL
18700	101834	PI 328151	H. vulg.	A Hor 368\61	TUR	-	PAL
18701	101835	PI 328152	H. vulg.	A Hor 375\61	BGR	-	PAL
18702	101836	PI 328153	H. vulg.	A Hor 376\59	BGR	-	PAL
18703	101837	PI 328154	H. vulg.	A Hor 377\61	BGR	-	PAL
18704	101838	PI 328155	H. vulg.	A Hor 384\61	BGR	-	PAL
18705	101839	PI 328156	H. vulg.	A Hor 385\61	BGR	-	PAL
18706	101840	PI 328157	H. vulg.	A Hor 386\61	BGR	-	PAL
18707	101841	PI 328158	H. vulg.	A Hor 387\61	BGR	-	PAL
18708	101842	PI 328159	H. vulg.	A Hor 388\61	BGR	-	PAL
18709	101843	PI 328160	H. vulg.	A Hor 389\61	BGR	-	PAL
18710	101844	PI 328161	H. vulg.	A Hor 390\61	BGR	-	PAL
18711	101845	PI 328162	H. vulg.	A Hor 392\61	BGR	-	PAL
18712	101846	PI 328163	H. vulg.	A Hor 393\61	BGR	-	PAL
18713	101847	PI 328164	H. vulg.	A Hor 396\61	BGR	-	PAL
18714	101848	PI 328165	H. vulg.	A Hor 397\61	BGR	-	PAL
18715	101849	PI 328166	H. vulg.	A Hor 400\61	TUR	-	PAL
18716	101850	PI 328167	H. vulg.	A Hor 403\61	TUR	-	PAL
18717	101851	PI 328168	H. vulg.	A Hor 404\61	TUR	-	PAL
18718	101852	PI 328169	H. vulg.	A Hor 405\61	TUR	-	PAL
18719	101853	PI 328170	H. vulg.	A Hor 409\61	TUR	-	PAL
18720	101854	PI 328171	H. vulg.	A Hor 411\61	TUR	-	PAL
18721	101855	PI 328172	H. vulg.	A Hor 412\61	TUR	-	PAL
18722	101856	PI 328173	H. vulg.	A Hor 413\61	TUR	-	PAL
18723	101857	PI 328174	H. vulg.	A Hor 414\61	TUR	-	PAL
18724	101858	PI 328175	H. vulg.	A Hor 415\61	TUR	-	PAL
18725	101859	PI 328176	H. vulg.	A Hor 416\61	TUR	-	PAL
18726	101860	PI 328177	H. vulg.	A Hor 417\61	TUR	-	PAL
18727	101861	PI 328178	H. vulg.	A Hor 418\61	TUR	-	PAL
18728	101862	PI 328179	H. vulg.	A Hor 420\61	TUR	-	PAL
18729	101863	PI 328180	H. vulg.	A Hor 421\61	TUR	-	PAL
18730	101864	PI 328181	H. vulg.	A Hor 422\61	TUR	-	PAL
18731	101865	PI 328182	H. vulg.	A Hor 423\61	TUR	-	PAL
18732	101866	PI 328183	H. vulg.	A Hor 424\61	TUR	-	PAL
18733	101867	PI 328184	H. vulg.	A Hor 425\61	TUR	-	PAL
18734	101868	PI 328185	H. vulg.	A Hor 426\61	TUR	-	PAL
18735	101869	PI 328186	H. vulg.	A Hor 427\61	TUR	-	PAL
18736	101870	PI 328187	H. vulg.	A Hor 428\61	TUR	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
18737	101871	PI 328188	H. vulg.	A Hor 430\61	TUR	-	PAL
18738	101872	PI 328189	H. vulg.	A Hor 431\61	TUR	-	PAL
18739	101873	PI 328190	H. vulg.	A Hor 432\59	TUR	-	PAL
18740	101874	PI 328191	H. vulg.	A Hor 433\61	TUR	-	PAL
18741	101875	PI 328192	H. vulg.	A Hor 435\61	TUR	-	PAL
18742	101876	PI 328193	H. vulg.	A Hor 436\61	TUR	-	PAL
18743	101877	PI 328194	H. vulg.	A Hor 437\61	TUR	-	PAL
18744	101878	PI 328195	H. vulg.	A Hor 438\61	TUR	-	PAL
18745	101879	PI 328196	H. vulg.	A Hor 439\61	TUR	-	PAL
18746	101880	PI 328197	H. vulg.	A Hor 440\61	TUR	-	PAL
18747	101881	PI 328198	H. vulg.	A Hor 441\59	TUR	-	PAL
18748	101882	PI 328199	H. vulg.	A Hor 442\61	TUR	-	PAL
18749	101883	PI 328200	H. vulg.	A Hor 443\61	TUR	-	PAL
18750	101884	PI 328201	H. vulg.	A Hor 444\61	TUR	-	PAL
18751	101885	PI 328202	H. vulg.	A Hor 445\61	TUR	-	PAL
18752	101886	PI 328203	H. vulg.	A Hor 446\61	TUR	-	PAL
18753	101887	PI 328204	H. vulg.	A Hor 447\59	TUR	-	PAL
18754	101888	PI 328205	H. vulg.	A Hor 448\59	TUR	-	PAL
18755	101889	PI 328206	H. vulg.	A Hor 449\59	TUR	-	PAL
18756	101890	PI 328207	H. vulg.	A Hor 450\61	TUR	-	PAL
18757	101891	PI 328208	H. vulg.	A Hor 451\61	TUR	-	PAL
18758	101892	PI 328209	H. vulg.	A Hor 452\61	TUR	-	PAL
18759	101893	PI 328210	H. vulg.	A Hor 453\57	TUR	-	PAL
18760	101894	PI 328211	H. vulg.	A Hor 455\61	TUR	-	PAL
18761	101895	PI 328212	H. vulg.	A Hor 456\61	TUR	-	PAL
18762	101896	PI 328213	H. vulg.	A Hor 457\61	TUR	-	PAL
18763	101897	PI 328214	H. vulg.	A Hor 458\59	TUR	-	PAL
18764	101898	PI 328215	H. vulg.	A Hor 459\59	TUR	-	PAL
18765	101899	PI 328216	H. vulg.	A Hor 460\61	TUR	-	PAL
18766	101900	PI 328217	H. vulg.	A Hor 461\61	TUR	-	PAL
18767	101901	PI 328218	H. vulg.	A Hor 462\61	TUR	-	PAL
18768	101902	PI 328219	H. vulg.	A Hor 463\61	TUR	-	PAL
18769	101903	PI 328220	H. vulg.	A Hor 464\61	TUR	-	PAL
18770	101904	PI 328221	H. vulg.	A Hor 465\61	TUR	-	PAL
18771	101905	PI 328222	H. vulg.	A Hor 466\61	TUR	-	PAL
18772	101906	PI 328223	H. vulg.	A Hor 467\61	TUR	-	PAL
18773	101907	PI 328224	H. vulg.	A Hor 469\61	TUR	-	PAL
18774	101908	PI 328225	H. vulg.	A Hor 470\61	TUR	-	PAL
18775	101909	PI 328226	H. vulg.	A Hor 471\61	TUR	-	PAL
18776	101910	PI 328227	H. vulg.	A Hor 473\61	TUR	-	PAL
18777	101911	PI 328228	H. vulg.	A Hor 475\61	TUR	-	PAL
18778	101912	PI 328229	H. vulg.	A Hor 476\61	TUR	-	PAL
18779	101913	PI 328230	H. vulg.	A Hor 477\61	TUR	-	PAL
18780	101914	PI 328231	H. vulg.	A Hor 479\61	TUR	-	PAL
18781	101915	PI 328232	H. vulg.	A Hor 479\61	TUR	-	PAL
18782	101916	PI 328233	H. vulg.	A Hor 480\61	TUR	-	PAL
18783	101917	PI 328234	H. vulg.	A Hor 482\61	TUR	-	PAL
18784	101918	PI 328235	H. vulg.	A Hor 483\61	TUR	-	PAL
18785	101919	PI 328236	H. vulg.	A Hor 484\61	TUR	-	PAL
18786	101920	PI 328237	H. vulg.	A Hor 485\61	TUR	-	PAL
18787	101921	PI 328238	H. vulg.	A Hor 486\61	TUR	-	PAL
18788	101922	PI 328239	H. vulg.	A Hor 487\61	TUR	-	PAL
18789	101923	PI 328240	H. vulg.	A Hor 488\61	TUR	-	PAL
18790	101924	PI 328241	H. vulg.	A Hor 489\61	TUR	-	PAL
18791	101925	PI 328242	H. vulg.	A Hor 490\61	TUR	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
18792	101926	PI 328243	H. vulg.	A Hor 491\61	TUR	-	PAL
18793	101927	PI 328244	H. vulg.	A Hor 492\61	TUR	-	PAL
18794	101928	PI 328245	H. vulg.	A Hor 494\61	TUR	-	PAL
18795	101929	PI 328246	H. vulg.	A Hor 495\61	TUR	-	PAL
18796	101930	PI 328247	H. vulg.	A Hor 496\61	TUR	-	PAL
18797	101931	PI 328248	H. vulg.	A Hor 497\61	TUR	-	PAL
18798	101932	PI 328249	H. vulg.	A Hor 498\61	TUR	-	PAL
18799	101933	PI 328250	H. vulg.	A Hor 499\61	TUR	-	PAL
18800	101934	PI 328251	H. vulg.	A Hor 501\61	TUR	-	PAL
18801	101935	PI 328252	H. vulg.	A Hor 502\61	TUR	-	PAL
18802	101936	PI 328253	H. vulg.	A Hor 503\59	TUR	-	PAL
18803	101937	PI 328254	H. vulg.	A Hor 504\59	TUR	-	PAL
18804	101938	PI 328255	H. vulg.	A Hor 506\59	TUR	-	PAL
18805	101939	PI 328257	H. vulg.	A Hor 508\61	TUR	-	PAL
18806	101940	PI 328258	H. vulg.	A Hor 510\61	TUR	-	PAL
18807	101941	PI 328259	H. vulg.	A Hor 511\61	TUR	-	PAL
18808	101942	PI 328260	H. vulg.	A Hor 512\57	TUR	-	PAL
18809	101943	PI 328261	H. vulg.	A Hor 513\61	TUR	-	PAL
18810	101944	PI 328262	H. vulg.	A Hor 514\59	TUR	-	PAL
18811	101945	PI 328263	H. vulg.	A Hor 515\57	TUR	-	PAL
18812	101946	PI 328264	H. vulg.	A Hor 516\61	TUR	-	PAL
18813	101947	PI 328265	H. vulg.	A Hor 517\61	TUR	-	PAL
18814	101948	PI 328266	H. vulg.	A Hor 518\61	TUR	-	PAL
18815	101949	PI 328267	H. vulg.	A Hor 519\61	TUR	-	PAL
18816	101950	PI 328268	H. vulg.	A Hor 520\61	TUR	-	PAL
18817	101951	PI 328269	H. vulg.	A Hor 521\61	TUR	-	PAL
18818	101952	PI 328270	H. vulg.	A Hor 524\61	TUR	-	PAL
18819	101953	PI 328271	H. vulg.	A Hor 526\61	TUR	-	PAL
18820	101954	PI 328272	H. vulg.	A Hor 527\61	TUR	-	PAL
18821	101955	PI 328273	H. vulg.	A Hor 528\57	TUR	-	PAL
18822	101956	PI 328274	H. vulg.	A Hor 529\61	TUR	-	PAL
18823	101957	PI 328275	H. vulg.	A Hor 530\61	TUR	-	PAL
18824	101958	PI 328276	H. vulg.	A Hor 531\59	TUR	-	PAL
18825	101959	PI 328277	H. vulg.	A Hor 532\59	TUR	-	PAL
18826	101960	PI 328278	H. vulg.	A Hor 534\59	TUR	-	PAL
18827	101961	PI 328279	H. vulg.	A Hor 535\59	TUR	-	PAL
18828	101962	PI 328280	H. vulg.	A Hor 537\61	TUR	-	PAL
18829	101963	PI 328281	H. vulg.	A Hor 538\61	TUR	-	PAL
18830	101964	PI 328282	H. vulg.	A Hor 539\61	TUR	-	PAL
18831	101965	PI 328283	H. vulg.	A Hor 540\59	TUR	-	PAL
18832	101966	PI 328284	H. vulg.	A Hor 541\61	TUR	-	PAL
18833	101967	PI 328285	H. vulg.	A Hor 542\61	TUR	-	PAL
18834	101968	PI 328286	H. vulg.	A Hor 543\61	TUR	-	PAL
18835	101969	PI 328287	H. vulg.	A Hor 544\59	TUR	-	PAL
18836	101970	PI 328288	H. vulg.	A Hor 545\61	TUR	-	PAL
18837	101971	PI 328289	H. vulg.	A Hor 546\61	TUR	-	PAL
18838	101972	PI 328290	H. vulg.	A Hor 547\61	TUR	-	PAL
18839	101973	PI 328291	H. vulg.	A Hor 548\61	TUR	-	PAL
18840	101974	PI 328293	H. vulg.	A Hor 550\61	TUR	-	PAL
18841	101975	PI 328294	H. vulg.	A Hor 551\59	TUR	-	PAL
18842	101976	PI 328296	H. vulg.	A Hor 553\59	TUR	-	PAL
18843	101977	PI 328297	H. vulg.	A Hor 554\59	TUR	-	PAL
18844	101978	PI 328298	H. vulg.	A Hor 555\59	TUR	-	PAL
18845	101979	PI 328299	H. vulg.	A Hor 556\59	TUR	-	PAL
18846	101980	PI 328300	H. vulg.	A Hor 557\59	TUR	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
18847	101981	PI 328302	H. vulg.	A Hor 559\60	TUR	-	PAL
18848	101982	PI 328304	H. vulg.	A Hor 562\59	TUR	-	PAL
18849	101983	PI 328305	H. vulg.	A Hor 563\59	TUR	-	PAL
18850	101984	PI 328306	H. vulg.	A Hor 564\61	TUR	-	PAL
18851	101985	PI 328307	H. vulg.	A Hor 566\61	TUR	-	PAL
18852	101986	PI 328308	H. vulg.	A Hor 567\61	TUR	-	PAL
18853	101987	PI 328309	H. vulg.	A Hor 568\61	TUR	-	PAL
18854	101988	PI 328310	H. vulg.	A Hor 571\61	TUR	-	PAL
18855	101989	PI 328312	H. vulg.	A Hor 573\61	TUR	-	PAL
18856	101990	PI 328313	H. vulg.	A Hor 574\61	TUR	-	PAL
18857	101991	PI 328314	H. vulg.	A Hor 578\61	TUR	-	PAL
18858	101992	PI 328315	H. vulg.	A Hor 579\61	TUR	-	PAL
18859	101993	PI 328316	H. vulg.	A Hor 580\61	TUR	-	PAL
18860	101994	PI 328317	H. vulg.	A Hor 581\61	TUR	-	PAL
18861	101995	PI 328318	H. vulg.	A Hor 582\61	TUR	-	PAL
18862	101996	PI 328319	H. vulg.	A Hor 583\61	TUR	-	PAL
18863	101997	PI 328320	H. vulg.	A Hor 584\61	TUR	-	PAL
18864	101998	PI 328321	H. vulg.	A Hor 585\61	TUR	-	PAL
18865	101999	PI 328322	H. vulg.	A Hor 586\60	TUR	-	PAL
18866	102000	PI 328324	H. vulg.	A Hor 588\61	TUR	-	PAL
18867	102001	PI 328325	H. vulg.	A Hor 590\60	TUR	-	PAL
18868	102002	PI 328326	H. vulg.	A Hor 591\61	TUR	-	PAL
18869	102003	PI 328327	H. vulg.	A Hor 592\61	TUR	-	PAL
18870	102004	PI 328328	H. vulg.	A Hor 593\61	TUR	-	PAL
18871	102005	PI 328329	H. vulg.	A Hor 594\61	TUR	-	PAL
18872	102006	PI 328330	H. vulg.	A Hor 595\61	TUR	-	PAL
18873	102007	PI 328331	H. vulg.	A Hor 596\61	TUR	-	PAL
18874	102008	PI 328332	H. vulg.	A Hor 599\61	TUR	-	PAL
18875	102009	PI 328333	H. vulg.	A Hor 600\61	TUR	-	PAL
18876	102010	PI 328334	H. vulg.	A Hor 603\61	TUR	-	PAL
18877	102011	PI 328335	H. vulg.	A Hor 605\61	TUR	-	PAL
18878	102012	PI 328336	H. vulg.	A Hor 606\61	TUR	-	PAL
18879	102013	PI 328337	H. vulg.	A Hor 607\61	TUR	-	PAL
18880	102014	PI 328338	H. vulg.	A Hor 608\61	TUR	-	PAL
18881	102015	PI 328339	H. vulg.	A Hor 609\60	TUR	-	PAL
18882	102016	PI 328340	H. vulg.	A Hor 610\61	TUR	-	PAL
18883	102017	PI 328341	H. vulg.	A Hor 611\61	TUR	-	PAL
18884	102018	PI 328342	H. vulg.	A Hor 612\61	TUR	-	PAL
18885	102019	PI 328343	H. vulg.	A Hor 614\61	TUR	-	PAL
18886	102020	PI 328344	H. vulg.	A Hor 615\61	TUR	-	PAL
18887	102021	PI 328345	H. vulg.	A Hor 617\61	TUR	-	PAL
18888	102022	PI 328346	H. vulg.	A Hor 620\61	TUR	-	PAL
18889	102023	PI 328347	H. vulg.	A Hor 621\61	TUR	-	PAL
18890	102024	PI 328348	H. vulg.	A Hor 622\59	TUR	-	PAL
18891	102025	PI 328349	H. vulg.	A Hor 623\59	TUR	-	PAL
18892	102026	PI 328350	H. vulg.	A Hor 624\61	TUR	-	PAL
18893	102027	PI 328351	H. vulg.	A Hor 625\61	TUR	-	PAL
18894	102028	PI 328352	H. vulg.	A Hor 626\61	TUR	-	PAL
18895	102029	PI 328353	H. vulg.	A Hor 628\61	TUR	-	PAL
18896	102030	PI 328354	H. vulg.	A Hor 632\61	TUR	-	PAL
18897	102031	PI 328355	H. vulg.	A Hor 633\61	TUR	-	PAL
18898	102032	PI 328356	H. vulg.	A Hor 635\61	TUR	-	PAL
18899	102033	PI 328357	H. vulg.	A Hor 637\61	TUR	-	PAL
18900	102034	PI 328358	H. vulg.	A Hor 638\61	TUR	-	PAL
18901	102035	PI 328359	H. vulg.	A Hor 639\61	TUR	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
18902	102036	PI 328360	H. vulg.	A Hor 640\61	TUR	-	PAL
18903	102037	PI 328361	H. vulg.	A Hor 641\61	TUR	-	PAL
18904	102038	PI 328363	H. vulg.	A Hor 643\61	TUR	-	PAL
18905	102039	PI 328364	H. vulg.	A Hor 644\61	TUR	-	PAL
18906	102040	PI 328365	H. vulg.	A Hor 645\61	TUR	-	PAL
18907	102041	PI 328366	H. vulg.	A Hor 646\61	TUR	-	PAL
18908	102042	PI 328368	H. vulg.	A Hor 648\61	TUR	-	PAL
18909	102043	PI 328369	H. vulg.	A Hor 649\61	TUR	-	PAL
18910	102044	PI 328370	H. vulg.	A Hor 652\61	TUR	-	PAL
18911	102045	PI 328371	H. vulg.	A Hor 653\61	TUR	-	PAL
18912	102046	PI 328372	H. vulg.	A Hor 654\61	TUR	-	PAL
18913	102047	PI 328373	H. vulg.	A Hor 655\59	TUR	-	PAL
18914	102048	PI 328374	H. vulg.	A Hor 656\60	TUR	-	PAL
18915	102049	PI 328375	H. vulg.	A Hor 657\61	TUR	-	PAL
18916	102050	PI 328376	H. vulg.	A Hor 658\61	TUR	-	PAL
18917	102051	PI 328377	H. vulg.	A Hor 659\61	TUR	-	PAL
18918	102052	PI 328378	H. vulg.	A Hor 660\61	TUR	-	PAL
18919	102053	PI 328379	H. vulg.	A Hor 661\61	TUR	-	PAL
18920	102054	PI 328380	H. vulg.	A Hor 662\61	TUR	-	PAL
18921	102055	PI 328381	H. vulg.	A Hor 663\61	TUR	-	PAL
18922	102056	PI 328383	H. vulg.	A Hor 666\61	TUR	-	PAL
18923	102057	PI 328384	H. vulg.	A Hor 667\61	TUR	-	PAL
18924	102058	PI 328385	H. vulg.	A Hor 668\61	TUR	-	PAL
18925	102059	PI 328386	H. vulg.	A Hor 669\61	TUR	-	PAL
18926	102060	PI 328387	H. vulg.	A Hor 670\61	DEU	-	PAL
18927	102061	PI 328388	H. vulg.	A Hor 671\61	DEU	-	PAL
18928	102062	PI 328389	H. vulg.	A Hor 672\60	DEU	-	PAL
18929	102063	PI 328390	H. vulg.	A Hor 673\61	DEU	-	PAL
18930	102064	PI 328391	H. vulg.	A Hor 674\59	DEU	-	PAL
18931	102065	PI 328392	H. vulg.	A Hor 675\61	DEU	-	PAL
18932	102066	PI 328393	H. vulg.	A Hor 676\59	DEU	-	PAL
18933	102067	PI 328394	H. vulg.	A Hor 677\61	DEU	-	PAL
18934	102068	PI 328395	H. vulg.	A Hor 678\61	DEU	-	PAL
18935	102069	PI 328396	H. vulg.	A Hor 679\61	DEU	-	PAL
18936	102070	PI 328397	H. vulg.	A Hor 680\61	DEU	-	PAL
18937	102071	PI 328398	H. vulg.	A Hor 682\61	DEU	-	PAL
18938	102072	PI 328399	H. vulg.	A Hor 683\60	DEU	-	PAL
18939	102073	PI 328400	H. vulg.	A Hor 684\61	DEU	-	PAL
18940	102074	PI 328401	H. vulg.	A Hor 685\61	DEU	-	PAL
18941	102075	PI 328402	H. vulg.	A Hor 687\61	DEU	-	PAL
18942	102076	PI 328403	H. vulg.	A Hor 688\61	DEU	-	PAL
18943	102077	PI 328404	H. vulg.	A Hor 689\61	DEU	-	PAL
18944	102078	PI 328405	H. vulg.	A Hor 690\61	DEU	-	PAL
18945	102079	PI 328406	H. vulg.	A Hor 691\61	DEU	-	PAL
18946	102080	PI 328407	H. vulg.	A Hor 692\61	DEU	-	PAL
18947	102081	PI 328408	H. vulg.	A Hor 693\61	DEU	-	PAL
18948	102082	PI 328409	H. vulg.	A Hor 694\61	DEU	-	PAL
18949	102083	PI 328410	H. vulg.	A Hor 695\61	DEU	-	PAL
18950	102084	PI 328411	H. vulg.	A Hor 696\61	DEU	-	PAL
18951	102085	PI 328412	H. vulg.	A Hor 697\61	DEU	-	PAL
18952	102086	PI 328413	H. vulg.	A Hor 698\61	DEU	-	PAL
18953	102087	PI 328414	H. vulg.	A Hor 699\61	DEU	-	PAL
18954	102088	PI 328415	H. vulg.	A Hor 700\61	DEU	-	PAL
18955	102089	PI 328416	H. vulg.	A Hor 701\61	DEU	-	PAL
18956	102090	PI 328417	H. vulg.	A Hor 703\61	DEU	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
18957	102091	PI 328418	H. vulg.	A Hor 704\61	DEU	-	PAL
18958	102092	PI 328419	H. vulg.	A Hor 705\61	DEU	-	PAL
18959	102093	PI 328420	H. vulg.	A Hor 706\61	DEU	-	PAL
18960	102094	PI 328421	H. vulg.	A Hor 707\61	DEU	-	PAL
18961	102095	PI 328422	H. vulg.	A Hor 708\61	DEU	-	PAL
18962	102096	PI 328423	H. vulg.	A Hor 709\61	DEU	-	PAL
18963	102097	PI 328424	H. vulg.	A Hor 810\61	DEU	-	PAL
18964	102098	PI 328425	H. vulg.	A Hor 711\61	DEU	-	PAL
18965	102099	PI 328426	H. vulg.	A Hor 712\61	DEU	-	PAL
18966	102100	PI 328427	H. vulg.	A Hor 713\61	DEU	-	PAL
18967	102101	PI 328429	H. vulg.	A Hor 715\61	DEU	-	PAL
18968	102102	PI 328430	H. vulg.	A Hor 786\61	DEU	-	PAL
18969	102103	PI 328431	H. vulg.	A Hor 918\61	TUR	-	PAL
18970	102104	PI 328436	H. vulg.	A Hor 923\61	TUR	-	PAL
18971	102105	PI 328437	H. vulg.	A Hor 924\60	TUR	-	PAL
18972	102106	PI 328438	H. vulg.	A Hor 925\60	TUR	-	PAL
18973	102107	PI 328439	H. vulg.	A Hor 926\61	TUR	-	PAL
18974	102108	PI 328440	H. vulg.	A Hor 927\61	TUR	-	PAL
18975	102109	PI 328441	H. vulg.	A Hor 928\60	TUR	-	PAL
18976	102110	PI 328442	H. vulg.	A Hor 929\61	TUR	-	PAL
18977	102111	PI 328443	H. vulg.	A Hor 930\61	TUR	-	PAL
18978	102112	PI 328444	H. vulg.	A Hor 931\60	TUR	-	PAL
18979	102113	PI 328445	H. vulg.	A Hor 932\60	TUR	-	PAL
18980	102114	PI 328446	H. vulg.	A Hor 933\60	TUR	-	PAL
18981	102115	PI 328447	H. vulg.	A Hor 934\60	TUR	-	PAL
18982	102116	PI 328448	H. vulg.	A Hor 935\60	TUR	-	PAL
18983	102117	PI 328449	H. vulg.	A Hor 936\60	DEU	-	PAL
18984	102118	PI 328450	H. vulg.	A Hor 938\60	DEU	-	PAL
18985	102119	PI 328451	H. vulg.	A Hor 940\59	DEU	-	PAL
18986	102120	PI 328452	H. vulg.	A Hor 941\60	DEU	-	PAL
18987	102121	PI 328453	H. vulg.	A Hor 942\60	DEU	-	PAL
18988	102122	PI 328454	H. vulg.	A Hor 943\61	DEU	-	PAL
18989	102123	PI 328455	H. vulg.	A Hor 944\60	DEU	-	PAL
18990	102124	PI 328456	H. vulg.	A Hor 945\60	DEU	-	PAL
18991	102125	PI 328457	H. vulg.	A Hor 946\60	DEU	-	PAL
18992	102126	PI 328460	H. vulg.	A Hor 950\59	DEU	-	PAL
18993	102127	PI 328461	H. vulg.	A Hor 951\60	DEU	-	PAL
18994	102128	PI 328463	H. vulg.	A Hor 954\59	DEU	-	PAL
18995	102129	PI 328464	H. vulg.	A Hor 955\59	DEU	-	PAL
18996	102130	PI 328465	H. vulg.	A Hor 957\60	DEU	-	PAL
18997	102131	PI 328466	H. vulg.	A Hor 958\60	DEU	-	PAL
18998	102132	PI 328467	H. vulg.	A Hor 959\60	DEU	-	PAL
18999	102133	PI 328468	H. vulg.	A Hor 960\60	DEU	-	PAL
19000	102134	PI 328469	H. vulg.	A Hor 961\60	DEU	-	PAL
19001	102135	PI 328470	H. vulg.	A Hor 963\60	TUR	-	PAL
19002	102136	PI 328471	H. vulg.	A Hor 964\60	DEU	-	PAL
19003	102137	PI 328472	H. vulg.	A Hor 965\61	DEU	-	PAL
19004	102138	PI 328473	H. vulg.	A Hor 967\60	DEU	-	PAL
19005	102139	PI 328475	H. vulg.	A Hor 970\59	DEU	-	PAL
19006	102140	PI 328476	H. vulg.	A Hor 971\60	SWE	-	PAL
19007	102141	PI 328477	H. vulg.	A Hor 1006\60	DEU	-	PAL
19008	102142	PI 328478	H. vulg.	A Hor 1110\59	DEU	-	PAL
19009	102143	PI 328479	H. vulg.	A Hor 1118\59	DEU	-	PAL
19010	102144	PI 328481	H. vulg.	A Hor 1123\61	DEU	-	PAL
19011	102145	PI 328482	H. vulg.	A Hor 1126\61	DEU	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
19012	102146	PI 328483	H. vulg.	A Hor 1127\61	DEU	-	PAL
19013	102147	PI 328484	H. vulg.	A Hor 1129\61	DEU	-	PAL
19014	102148	PI 328485	H. vulg.	A Hor 1130\61	DEU	-	PAL
19015	102149	PI 328486	H. vulg.	A Hor 1131\59	DEU	-	PAL
19016	102150	PI 328487	H. vulg.	A Hor 1132\61	DEU	-	PAL
19017	102151	PI 328488	H. vulg.	A Hor 1134\59	DEU	-	PAL
19018	102152	PI 328489	H. vulg.	A Hor 1135\59	DEU	-	PAL
19019	102153	PI 328490	H. vulg.	A Hor 1137\61	DEU	-	PAL
19020	102154	PI 328491	H. vulg.	A Hor 1138\59	DEU	-	PAL
19021	102155	PI 328492	H. vulg.	A Hor 1139\61	DEU	-	PAL
19022	102156	PI 328493	H. vulg.	A Hor 1140\59	DEU	-	PAL
19023	102157	PI 328494	H. vulg.	A Hor 1141\61	DEU	-	PAL
19024	102158	PI 328495	H. vulg.	A Hor 1142\57	DEU	-	PAL
19025	102159	PI 328496	H. vulg.	A Hor 1143\61	DEU	-	PAL
19026	102160	PI 328497	H. vulg.	A Hor 1144\61	DEU	-	PAL
19027	102161	PI 328498	H. vulg.	A Hor 1145\61	DEU	-	PAL
19028	102162	PI 328499	H. vulg.	A Hor 1146\59	DEU	-	PAL
19029	102163	PI 328500	H. vulg.	A Hor 1147\59	DEU	-	PAL
19030	102164	PI 328502	H. vulg.	A Hor 1149\59	DEU	-	PAL
19031	102165	PI 328503	H. vulg.	A Hor 1150\61	DEU	-	PAL
19032	102166	PI 328504	H. vulg.	A Hor 1153\57	DEU	-	PAL
19033	102167	PI 328506	H. vulg.	A Hor 1157\59	DEU	-	PAL
19034	102168	PI 328507	H. vulg.	A Hor 1158\59	DEU	-	PAL
19035	102169	PI 328508	H. vulg.	A Hor 1159\61	DEU	-	PAL
19036	102170	PI 328509	H. vulg.	A Hor 1160\59	DEU	-	PAL
19037	102171	PI 328510	H. vulg.	A Hor 1161\61	DEU	-	PAL
19038	102172	PI 328511	H. vulg.	A Hor 1162\61	DEU	-	PAL
19039	102173	PI 328512	H. vulg.	A Hor 1163\61	DEU	-	PAL
19040	102174	PI 328513	H. vulg.	A Hor 1164\59	DEU	-	PAL
19041	102175	PI 328514	H. vulg.	A Hor 1165\57	DEU	-	PAL
19042	102176	PI 328515	H. vulg.	A Hor 1166\60	DEU	-	PAL
19043	102177	PI 328516	H. vulg.	A Hor 1167\59	DEU	-	PAL
19044	102178	PI 328517	H. vulg.	A Hor 1168\59	DEU	-	PAL
19045	102179	PI 328518	H. vulg.	A Hor 1169\59	DEU	-	PAL
19046	102180	PI 328519	H. vulg.	A Hor 1170\59	DEU	-	PAL
19047	102181	PI 328520	H. vulg.	A Hor 1171\61	DEU	-	PAL
19048	102182	PI 328521	H. vulg.	A Hor 1172\59	DEU	-	PAL
19049	102183	PI 328522	H. vulg.	A Hor 1174\61	TUR	-	PAL
19050	102184	PI 328523	H. vulg.	A Hor 1175\61	TUR	-	PAL
19051	102185	PI 328524	H. vulg.	A Hor 1176\61	TUR	-	PAL
19052	102186	PI 328525	H. vulg.	A Hor 1177\61	TUR	-	PAL
19053	102187	PI 328526	H. vulg.	A Hor 1179\59	TUR	-	PAL
19054	102188	PI 328527	H. vulg.	A Hor 1180\59	TUR	-	PAL
19055	102189	PI 328528	H. vulg.	A Hor 1182\59	TUR	-	PAL
19056	102190	PI 328529	H. vulg.	A Hor 1183\60	TUR	-	PAL
19057	102191	PI 328530	H. vulg.	A Hor 1184\59	TUR	-	PAL
19058	102192	PI 328531	H. vulg.	A Hor 1185\59	TUR	-	PAL
19059	102193	PI 328532	H. vulg.	A Hor 1186\51	TUR	-	PAL
19060	102194	PI 328533	H. vulg.	A Hor 1187\59	TUR	-	PAL
19061	102195	PI 328534	H. vulg.	A Hor 1189\59	TUR	-	PAL
19062	102196	PI 328535	H. vulg.	A Hor 1192\59	TUR	-	PAL
19063	102197	PI 328536	H. vulg.	A Hor 1193\59	TUR	-	PAL
19064	102198	PI 328537	H. vulg.	A Hor 1194\59	TUR	-	PAL
19065	102199	PI 328538	H. vulg.	A Hor 1195\61	TUR	-	PAL
19066	102200	PI 328539	H. vulg.	A Hor 1196\59	TUR	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
19067	102201	PI 328540	H. vulg.	A Hor 1199\61	TUR	-	PAL
19068	102202	PI 328541	H. vulg.	A Hor 1200\61	TUR	-	PAL
19069	102203	PI 328542	H. vulg.	A Hor 1203\61	TUR	-	PAL
19070	102204	PI 328544	H. vulg.	A Hor 1205\59	TUR	-	PAL
19071	102205	PI 328545	H. vulg.	A Hor 1206\61	TUR	-	PAL
19072	102206	PI 328546	H. vulg.	A Hor 1207\61	TUR	-	PAL
19073	102207	PI 328547	H. vulg.	A Hor 1208\59	TUR	-	PAL
19074	102208	PI 328548	H. vulg.	A Hor 1209\61	TUR	-	PAL
19075	102209	PI 328549	H. vulg.	A Hor 1210\59	TUR	-	PAL
19076	102210	PI 328550	H. vulg.	A Hor 1211\59	TUR	-	PAL
19077	102211	PI 328551	H. vulg.	A Hor 1213\59	TUR	-	PAL
19078	102212	PI 328552	H. vulg.	A Hor 1214\61	TUR	-	PAL
19079	102213	PI 328553	H. vulg.	A Hor 1215\59	TUR	-	PAL
19080	102214	PI 328554	H. vulg.	A Hor 1220\59	TUR	-	PAL
19081	102215	PI 328555	H. vulg.	A Hor 1221\61	TUR	-	PAL
19082	102216	PI 328556	H. vulg.	A Hor 1222\61	TUR	-	PAL
19083	102217	PI 328557	H. vulg.	A Hor 1225\59	TUR	-	PAL
19084	102218	PI 328558	H. vulg.	A Hor 1226\59	TUR	-	PAL
19085	102219	PI 328559	H. vulg.	A Hor 1228\59	TUR	-	PAL
19086	102220	PI 328560	H. vulg.	A Hor 1229\59	TUR	-	PAL
19087	102221	PI 328561	H. vulg.	A Hor 1230\61	TUR	-	PAL
19088	102222	PI 328562	H. vulg.	A Hor 1231\60	TUR	-	PAL
19089	102223	PI 328563	H. vulg.	A Hor 1232\59	DEU	-	PAL
19090	102224	PI 328564	H. vulg.	A Hor 1233\59	DEU	-	PAL
19091	102225	PI 328565	H. vulg.	A Hor 1234\59	DEU	-	PAL
19092	102226	PI 328566	H. vulg.	A Hor 1235\60	DEU	-	PAL
19093	102227	PI 328567	H. vulg.	A Hor 1237\59	DEU	-	PAL
19094	102228	PI 328568	H. vulg.	A Hor 1238\59	DEU	-	PAL
19095	102229	PI 328569	H. vulg.	A Hor 1239\59	DEU	-	PAL
19096	102230	PI 328570	H. vulg.	A Hor 1242\61	DEU	-	PAL
19097	102231	PI 328571	H. vulg.	A Hor 1243\61	TUR	-	PAL
19098	102232	PI 328572	H. vulg.	A Hor 1245\59	DEU	-	PAL
19099	102233	PI 328573	H. vulg.	A Hor 1246\59	DEU	-	PAL
19100	102234	PI 328574	H. vulg.	A Hor 1247\61	DEU	-	PAL
19101	102235	PI 328575	H. vulg.	A Hor 1248\61	DEU	-	PAL
19102	102236	PI 328576	H. vulg.	A Hor 1250\59	TUR	-	PAL
19103	102237	PI 328577	H. vulg.	A Hor 1253\59	DEU	-	PAL
19104	102238	PI 328578	H. vulg.	A Hor 1255\59	DEU	-	PAL
19105	102239	PI 328579	H. vulg.	A Hor 1256\59	DEU	-	PAL
19106	102240	PI 328580	H. vulg.	A Hor 1258\59	DEU	-	PAL
19107	102241	PI 328581	H. vulg.	A Hor 1260\61	TUR	-	PAL
19108	102242	PI 328582	H. vulg.	A Hor 1261\61	SWE	-	PAL
19109	102243	PI 328583	H. vulg.	A Hor 1263\60	TUR	-	PAL
19110	102244	PI 328584	H. vulg.	A Hor 1266\61	TUR	-	PAL
19111	102245	PI 328585	H. vulg.	A Hor 1267\59	DEU	-	PAL
19112	102246	PI 328586	H. vulg.	A Hor 1268\61	DEU	-	PAL
19113	102247	PI 328587	H. vulg.	A Hor 1269\59	DEU	-	PAL
19114	102248	PI 328588	H. vulg.	A Hor 1271\61	DEU	-	PAL
19115	102249	PI 328590	H. vulg.	A Hor 1273\61	DEU	-	PAL
19116	102250	PI 328591	H. vulg.	A Hor 1276\61	DEU	-	PAL
19117	102251	PI 328592	H. vulg.	A Hor 1277\61	DEU	-	PAL
19118	102252	PI 328593	H. vulg.	A Hor 1278\61	DEU	-	PAL
19119	102253	PI 328594	H. vulg.	A Hor 1280\61	DEU	-	PAL
19120	102254	PI 328595	H. vulg.	A Hor 1281\61	DEU	-	PAL
19121	102255	PI 328596	H. vulg.	A Hor 1284\60	DEU	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
19122	102256	PI 328597	H. vulg.	A Hor 1285\61	DEU	-	PAL
19123	102257	PI 328598	H. vulg.	A Hor 1287\61	DEU	-	PAL
19124	102258	PI 328599	H. vulg.	A Hor 1288\57	DEU	-	PAL
19125	102259	PI 328600	H. vulg.	A Hor 1289\61	DEU	-	PAL
19126	102260	PI 328601	H. vulg.	A Hor 1291\61	DEU	-	PAL
19127	102261	PI 328602	H. vulg.	A Hor 1292\61	DEU	-	PAL
19128	102262	PI 328603	H. vulg.	A Hor 1293\61	DEU	-	PAL
19129	102263	PI 328604	H. vulg.	A Hor 1294\61	DEU	-	PAL
19130	102264	PI 328605	H. vulg.	A Hor 1296\61	DEU	-	PAL
19131	102265	PI 328607	H. vulg.	A Hor 1299\61	DEU	-	PAL
19132	102266	PI 328608	H. vulg.	A Hor 1300\61	DEU	-	PAL
19133	102267	PI 328609	H. vulg.	A Hor 1301\61	DEU	-	PAL
19134	102268	PI 328611	H. vulg.	A Hor 1303\57	DEU	-	PAL
19135	102269	PI 328612	H. vulg.	A Hor 1304\61	DEU	-	PAL
19136	102270	PI 328613	H. vulg.	A Hor 1305\61	DEU	-	PAL
19137	102271	PI 328614	H. vulg.	A Hor 1306\60	DEU	-	PAL
19138	102272	PI 328615	H. vulg.	A Hor 1307\61	DEU	-	PAL
19139	102273	PI 328616	H. vulg.	A Hor 1308\61	DEU	-	PAL
19140	102274	PI 328617	H. vulg.	A Hor 1309\61	DEU	-	PAL
19141	102275	PI 328618	H. vulg.	A Hor 1311\60	DEU	-	PAL
19142	102276	PI 328619	H. vulg.	A Hor 1312\61	ROM	-	PAL
19143	102277	PI 328620	H. vulg.	A Hor 1357\58	DEU	-	PAL
19144	102278	PI 328621	H. vulg.	A Hor 1364\58	DEU	-	PAL
19145	102279	PI 328623	H. vulg.	A Hor 1366\60	DEU	-	PAL
19146	102280	PI 328624	H. vulg.	A Hor 1367\60	DEU	-	PAL
19147	102281	PI 328625	H. vulg.	A Hor 1368\58	DEU	-	PAL
19148	102282	PI 328626	H. vulg.	A Hor 1369\58	ROM	-	PAL
19149	102283	PI 328627	H. vulg.	A Hor 1372\58	DEU	-	PAL
19150	102284	PI 328628	H. vulg.	A Hor 1373\58	DEU	-	PAL
19151	102285	PI 328629	H. vulg.	A Hor 1374\58	DEU	-	PAL
19152	102286	PI 328631	H. vulg.	A Hor 1378\59	DEU	-	PAL
19153	102287	PI 328633	H. vulg.	A Hor 1380\58	DEU	-	PAL
19154	102288	PI 328634	H. vulg.	A Hor 1381\61	DEU	-	PAL
19155	102289	PI 328635	H. vulg.	A Hor 1382\59	DEU	-	PAL
19156	102290	PI 328636	H. vulg.	A Hor 1383\59	DEU	-	PAL
19157	102291	PI 328637	H. vulg.	A Hor 1385\60	DEU	-	PAL
19158	102292	PI 328638	H. vulg.	A Hor 1386\59	DEU	-	PAL
19159	102293	PI 328639	H. vulg.	A Hor 1387\59	DEU	-	PAL
19160	102294	PI 328640	H. vulg.	A Hor 1388\59	DEU	-	PAL
19161	102295	PI 328641	H. vulg.	A Hor 1389\59	DEU	-	PAL
19162	102296	PI 328642	H. vulg.	A Hor 1390\58	ROM	-	PAL
19163	102297	PI 328643	H. vulg.	A Hor 1392\58	ROM	-	PAL
19164	102298	PI 328644	H. vulg.	A Hor 1393\58	ROM	-	PAL
19165	102299	PI 328645	H. vulg.	A Hor 1394\59	TUR	-	PAL
19166	102300	PI 328646	H. vulg.	A Hor 1395\59	TUR	-	PAL
19167	102301	PI 328647	H. vulg.	A Hor 1396\59	TUR	-	PAL
19168	102302	PI 328648	H. vulg.	A Hor 1397\59	TUR	-	PAL
19169	102303	PI 328649	H. vulg.	A Hor 1401\59	TUR	-	PAL
19170	102304	PI 328650	H. vulg.	A Hor 1402\59	TUR	-	PAL
19171	102305	PI 328651	H. vulg.	A Hor 1405\61	TUR	-	PAL
19172	102306	PI 328652	H. vulg.	A Hor 1406\59	TUR	-	PAL
19173	102307	PI 328653	H. vulg.	A Hor 1407\59	TUR	-	PAL
19174	102308	PI 328654	H. vulg.	A Hor 1408\59	TUR	-	PAL
19175	102309	PI 328655	H. vulg.	A Hor 1409\59	TUR	-	PAL
19176	102310	PI 328656	H. vulg.	A Hor 1410\60	TUR	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
19177	102311	PI 328657	H. vulg.	A Hor 1411\60	TUR	-	PAL
19178	102312	PI 328658	H. vulg.	A Hor 1412\59	TUR	-	PAL
19179	102313	PI 328659	H. vulg.	A Hor 1413\60	TUR	-	PAL
19180	102314	PI 328660	H. vulg.	A Hor 1415\60	TUR	-	PAL
19182	102315	PI 328662	H. vulg.	A Hor 1419\58	DEU	-	PAL
19183	102316	PI 328663	H. vulg.	A Hor 1421\58	DEU	-	PAL
19184	102317	PI 328664	H. vulg.	A Hor 1422\58	DEU	-	PAL
19185	102318	PI 328665	H. vulg.	A Hor 1423\60	DEU	-	PAL
19186	102319	PI 328666	H. vulg.	A Hor 1425\58	DEU	-	PAL
19187	102320	PI 328667	H. vulg.	A Hor 1426\58	DEU	-	PAL
19188	102321	PI 328668	H. vulg.	A Hor 1427\58	DEU	-	PAL
19189	102322	PI 328669	H. vulg.	A Hor 1428\58	DEU	-	PAL
19190	102323	PI 328670	H. dist.	A Hor 1429\58	DEU	-	PAL
19191	102324	PI 328671	H. vulg.	A Hor 1430\58	DEU	-	PAL
19192	102325	PI 328672	H. vulg.	A Hor 1432\58	DEU	-	PAL
19193	102326	PI 328673	H. vulg.	A Hor 1433\60	DEU	-	PAL
19194	102327	PI 328674	H. vulg.	A Hor 1434\58	DEU	-	PAL
19195	102328	PI 328675	H. vulg.	A Hor 1435\58	DEU	-	PAL
19196	102329	PI 328676	H. vulg.	A Hor 1436\58	DEU	-	PAL
19197	102330	PI 328677	H. vulg.	A Hor 1437\58	DEU	-	PAL
19198	102331	PI 328678	H. vulg.	A Hor 1440\58	DEU	-	PAL
19199	102332	PI 328679	H. vulg.	A Hor 1441\58	DEU	-	PAL
19200	102333	PI 328680	H. vulg.	A Hor 1442\58	DEU	-	PAL
19201	102334	PI 328681	H. vulg.	A Hor 1443\58	DEU	-	PAL
19202	102335	PI 328682	H. vulg.	A Hor 1444\58	DEU	-	PAL
19203	102336	PI 328683	H. vulg.	A Hor 1446\61	DEU	-	PAL
19204	102337	PI 328684	H. vulg.	A Hor 1448\58	DEU	-	PAL
19205	102338	PI 328685	H. vulg.	A Hor 1452\58	DEU	-	PAL
19206	102339	PI 328686	H. dist.	A Hor 1457\58	DEU	-	PAL
19207	102340	PI 328687	H. vulg.	A Hor 1458\58	DEU	-	PAL
19208	102341	PI 328688	H. vulg.	A Hor 1461\60	DEU	-	PAL
19209	102342	PI 328689	H. vulg.	A Hor 1466\59	TUR	-	PAL
19210	102343	PI 328690	H. vulg.	A Hor 1481\58	DEU	-	PAL
19211	102344	PI 328692	H. vulg.	A Hor 1485\58	DEU	-	PAL
19212	102345	PI 328693	H. vulg.	A Hor 1489\58	DEU	-	PAL
19213	102346	PI 328694	H. vulg.	A Hor 1493\58	DEU	-	PAL
19214	102347	PI 328695	H. vulg.	A Hor 1500\58	DEU	-	PAL
19215	102348	PI 328696	H. vulg.	A Hor 1501\58	DEU	-	PAL
19216	102349	PI 328697	H. dist.	A Hor 1502\58	DEU	-	PAL
19217	102350	PI 328698	H. def.	A Hor 1503\58	DEU	-	PAL
19218	102351	PI 328699	H. dist.	A Hor 1506\58	DEU	-	PAL
19219	102352	PI 328700	H. vulg.	A Hor 1507\58	DEU	-	PAL
19220	102353	PI 328701	H. vulg.	A Hor 1508\58	DEU	-	PAL
19221	102354	PI 328702	H. vulg.	A Hor 1509\58	DEU	-	PAL
19222	102355	PI 328703	H. vulg.	A Hor 1519\58	DEU	-	PAL
19223	102356	PI 328705	H. vulg.	A Hor 1524\58	DEU	-	PAL
19224	102357	PI 328706	H. vulg.	A Hor 1527\58	DEU	-	PAL
19225	102358	PI 328708	H. vulg.	A Hor 1538\58	DEU	-	PAL
19226	102359	PI 328710	H. def.	A Hor 1593\58	DEU	-	PAL
19227	102360	PI 328711	H. vulg.	A Hor 1617\58	DEU	-	PAL
19228	102361	PI 328712	H. def.	A Hor 1630\58	DEU	-	PAL
19229	102362	PI 328713	H. def.	A Hor 1631\58	DEU	-	PAL
19230	102363	PI 328714	H. def.	A Hor 1634\58	DEU	-	PAL
19231	102364	PI 328715	H. vulg.	A Hor 1635\58	DEU	-	PAL
19231	102365	PI 328716	H. def.	A Hor 1640\58	DEU	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
19232	102366	PI 328717	H. vulg.	A Hor 1718\59	DEU	-	PAL
19233	102367	PI 328718	H. dist.	A Hor 1726\58	DEU	-	PAL
19234	102368	PI 328719	H. dist.	A Hor 1729\58	DEU	-	PAL
19235	102369	PI 328720	H. vulg.	A Hor 1773\60	DEU	-	PAL
19236	102370	PI 328721	H. vulg.	A Hor 1774\61	DEU	-	PAL
19237	102371	PI 328722	H. vulg.	A Hor 1775\60	DEU	-	PAL
19238	102372	PI 328723	H. vulg.	A Hor 1776\60	DEU	-	PAL
19239	102373	PI 328724	H. vulg.	A Hor 1779\60	DEU	-	PAL
19240	102374	PI 328725	H. vulg.	A Hor 1781\61	DEU	-	PAL
19241	102375	PI 328726	H. vulg.	A Hor 1786\61	DEU	-	PAL
19242	102376	PI 328728	H. vulg.	A Hor 1790\60	DEU	-	PAL
19243	102377	PI 328729	H. vulg.	A Hor 1791\60	DEU	-	PAL
19244	102378	PI 328730	H. vulg.	A Hor 1792\60	DEU	-	PAL
19245	102379	PI 328732	H. vulg.	A Hor 1799\61	DEU	-	PAL
19246	102380	PI 328733	H. vulg.	A Hor 1800\61	DEU	-	PAL
19247	102381	PI 328734	H. vulg.	A Hor 1801\61	DEU	-	PAL
19248	102382	PI 328735	H. vulg.	A Hor 1862\60	DEU	-	PAL
19249	102383	PI 328737	H. vulg.	A Hor 1865\61	DEU	-	PAL
19250	102384	PI 328738	H. vulg.	A Hor 1866\60	DEU	-	PAL
19251	102385	PI 328739	H. vulg.	A Hor 1868\62	DEU	-	PAL
19252	102386	PI 328740	H. vulg.	A Hor 1869\61	DEU	-	PAL
19253	102387	PI 328741	H. vulg.	A Hor 1870\60	DEU	-	PAL
19254	102388	PI 328742	H. vulg.	A Hor 1871\60	DEU	-	PAL
19255	102389	PI 328743	H. vulg.	A Hor 1872\60	DEU	-	PAL
19256	102390	PI 328744	H. vulg.	A Hor 1873\60	DEU	-	PAL
19257	102391	PI 328745	H. vulg.	A Hor 1874\60	TUR	-	PAL
19258	102392	PI 328746	H. vulg.	A Hor 1875\60	DEU	-	PAL
19259	102393	PI 328747	H. vulg.	A Hor 1876\60	DEU	-	PAL
19260	102394	PI 328748	H. vulg.	A Hor 1878\60	DEU	-	PAL
19261	102395	PI 328749	H. vulg.	A Hor 1879\60	DEU	-	PAL
19262	102396	PI 328750	H. vulg.	A Hor 1881\61	DEU	-	PAL
19263	102397	PI 328751	H. vulg.	A Hor 1882\58	DEU	-	PAL
19264	102398	PI 328752	H. vulg.	A Hor 1883\60	URY	-	PAL
19265	102399	PI 328753	H. vulg.	A Hor 1886\60	DEU	-	PAL
19266	102400	PI 328754	H. vulg.	A Hor 1887\60	DEU	-	PAL
19267	102401	PI 328755	H. vulg.	A Hor 1891\60	TUR	-	PAL
19268	102402	PI 328756	H. vulg.	A Hor 1892\60	DEU	-	PAL
19269	102403	PI 328757	H. vulg.	A Hor 1894\60	DEU	-	PAL
19270	102404	PI 328758	H. vulg.	A Hor 1895\60	DEU	-	PAL
19271	102405	PI 328761	H. vulg.	A Hor 1899\60	DEU	-	PAL
19272	102406	PI 328752	H. vulg.	A Hor 1900\60	DEU	-	PAL
19273	102407	PI 328763	H. vulg.	A Hor 1901\61	DEU	-	PAL
19274	102408	PI 328764	H. vulg.	A Hor 1902\59	DEU	-	PAL
19275	102409	PI 328765	H. vulg.	A Hor 1903\60	DEU	-	PAL
19276	102410	PI 328767	H. vulg.	A Hor 1905\60	DEU	-	PAL
19277	102411	PI 328768	H. vulg.	A Hor 1906\61	DEU	-	PAL
19278	102412	PI 328770	H. vulg.	A Hor 1908\60	DEU	-	PAL
19279	102413	PI 328771	H. vulg.	A Hor 1909\60	DEU	-	PAL
19280	102414	PI 328772	H. vulg.	A Hor 1910\60	DEU	-	PAL
19281	102415	PI 328773	H. vulg.	A Hor 1912\60	DEU	-	PAL
19282	102416	PI 328774	H. vulg.	A Hor 1914\61	DEU	-	PAL
19283	102417	PI 328775	H. vulg.	A Hor 1915\60	DEU	-	PAL
19284	102418	PI 328776	H. vulg.	A Hor 1917\61	DEU	-	PAL
19285	102419	PI 328777	H. vulg.	A Hor 1918\61	DEU	-	PAL
19286	102420	PI 328778	H. vulg.	A Hor 1919\61	DEU	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
19287	102421	PI 328779	H. vulg.	A Hor 1922\60	DEU	-	PAL
19288	102422	PI 328780	H. vulg.	A Hor 1923\60	DEU	-	PAL
19289	102423	PI 328781	H. vulg.	A Hor 1924\61	DEU	-	PAL
19290	102424	PI 328782	H. vulg.	A Hor 1925\61	DEU	-	PAL
19291	102425	PI 328783	H. vulg.	A Hor 1926\61	DEU	-	PAL
19292	102426	PI 328784	H. vulg.	A Hor 1931\61	DEU	-	PAL
19293	102427	PI 328785	H. vulg.	A Hor 1937\61	DEU	-	PAL
19294	102428	PI 328786	H. vulg.	A Hor 1939\61	DEU	-	PAL
19295	102429	PI 328787	H. vulg.	A Hor 1941\61	DEU	-	PAL
19296	102430	PI 328788	H. vulg.	A Hor 1942\61	DEU	-	PAL
19297	102431	PI 328789	H. vulg.	A Hor 1944\61	DEU	-	PAL
19298	102432	PI 328790	H. vulg.	A Hor 1945\60	ROM	-	PAL
19299	102433	PI 328791	H. vulg.	A Hor 1949\61	TUR	-	PAL
19300	102434	PI 328792	H. vulg.	A Hor 1951\61	TUR	-	PAL
19301	102435	PI 328793	H. vulg.	A Hor 1952\60	TUR	-	PAL
19302	102436	PI 328794	H. vulg.	A Hor 1953\61	TUR	-	PAL
19303	102437	PI 328795	H. vulg.	A Hor 1956\58	TUR	-	PAL
19304	102438	PI 328796	H. vulg.	A Hor 1957\60	TUR	-	PAL
19305	102439	PI 328797	H. vulg.	A Hor 1958\60	TUR	-	PAL
19306	102440	PI 328798	H. vulg.	A Hor 1960\60	DEU	-	PAL
19307	102441	PI 328799	H. vulg.	A Hor 1962\60	DEU	-	PAL
19308	102442	PI 328801	H. vulg.	A Hor 1966\61	DEU	-	PAL
19309	102443	PI 328802	H. vulg.	A Hor 1970\60	DEU	-	PAL
19310	102444	PI 328803	H. vulg.	A Hor 1973\60	TUR	-	PAL
19311	102445	PI 328804	H. vulg.	A Hor 2092\58	DEU	-	PAL
19312	102446	PI 328805	H. vulg.	A Hor 2175\58	DEU	-	PAL
19313	102447	PI 328806	H. vulg.	A Hor 2176\58	DEU	-	PAL
19314	102448	PI 328807	H. vulg.	A Hor 2177\58	DEU	-	PAL
19315	102449	PI 328808	H. vulg.	A Hor 2178\58	DEU	-	PAL
19316	102450	PI 328809	H. vulg.	A Hor 2179\58	DEU	-	PAL
19317	102451	PI 328811	H. vulg.	A Hor 2181\58	DEU	-	PAL
19318	102452	PI 328812	H. vulg.	A Hor 2182\58	DEU	-	PAL
19319	102453	PI 328813	H. vulg.	A Hor 2183\58	DEU	-	PAL
19320	102454	PI 328814	H. vulg.	A Hor 2184\58	DEU	-	PAL
19321	102455	PI 328816	H. vulg.	A Hor 2186\58	DEU	-	PAL
19322	102456	PI 328817	H. vulg.	A Hor 2187\58	DEU	-	PAL
19323	102457	PI 328819	H. vulg.	A Hor 2189\58	DEU	-	PAL
19324	102458	PI 328820	H. vulg.	A Hor 2190\58	DEU	-	PAL
19325	102459	PI 328821	H. vulg.	A Hor 2191\58	DEU	-	PAL
19326	102460	PI 328822	H. vulg.	A Hor 2192\58	DEU	-	PAL
19327	102461	PI 328823	H. vulg.	A Hor 2193\58	DEU	-	PAL
19328	102462	PI 328824	H. vulg.	A Hor 2195\58	DEU	-	PAL
19329	102463	PI 328825	H. vulg.	A Hor 2197\58	DEU	-	PAL
19330	102464	PI 328826	H. vulg.	A Hor 2198\58	DEU	-	PAL
19331	102465	PI 328827	H. vulg.	A Hor 2200\58	DEU	-	PAL
19332	102466	PI 328828	H. vulg.	A Hor 2201\58	DEU	-	PAL
19333	102467	PI 328829	H. vulg.	A Hor 2202\58	DEU	-	PAL
19334	102468	PI 328830	H. vulg.	A Hor 2203\58	DEU	-	PAL
19335	102469	PI 328831	H. vulg.	A Hor 2204\58	DEU	-	PAL
19336	102470	PI 328832	H. vulg.	A Hor 2205\58	DEU	-	PAL
19337	102471	PI 328833	H. vulg.	A Hor 2206\58	DEU	-	PAL
19338	102472	PI 328834	H. vulg.	A Hor 2208\58	DEU	-	PAL
19339	102473	PI 328835	H. vulg.	A Hor 2209\58	DEU	-	PAL
19340	102474	PI 328836	H. vulg.	A Hor 2211\58	DEU	-	PAL
19341	102475	PI 328837	H. vulg.	A Hor 2212\58	DEU	-	PAL

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IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
19342	102476	PI 328838	H. vulg.	A Hor 2213\58	DEU	-	PAL
19343	102477	PI 328839	H. vulg.	A Hor 2214\58	DEU	-	PAL
19344	102478	PI 328840	H. vulg.	A Hor 2215\58	DEU	-	PAL
19345	102479	PI 328841	H. vulg.	A Hor 2216\58	DEU	-	PAL
19346	102480	PI 328842	H. vulg.	A Hor 2217\58	DEU	-	PAL
19347	102481	PI 328843	H. vulg.	A Hor 2218\58	DEU	-	PAL
19348	102482	PI 328844	H. vulg.	A Hor 2219\59	DEU	-	PAL
19349	102483	PI 328845	H. vulg.	A Hor 2221\58	DEU	-	PAL
19350	102484	PI 328846	H. vulg.	A Hor 2222\58	DEU	-	PAL
19351	102485	PI 328847	H. vulg.	A Hor 2223\58	DEU	-	PAL
19352	102486	PI 328848	H. vulg.	A Hor 2224\58	DEU	-	PAL
19353	102487	PI 328849	H. vulg.	A Hor 2225\58	DEU	-	PAL
19354	102488	PI 328850	H. vulg.	A Hor 2226\58	DEU	-	PAL
19355	102489	PI 328851	H. vulg.	A Hor 2227\58	DEU	-	PAL
19356	102490	PI 328852	H. vulg.	A Hor 2229\58	DEU	-	PAL
19357	102491	PI 328853	H. vulg.	A Hor 2230\58	DEU	-	PAL
19358	102492	PI 328854	H. vulg.	A Hor 2231\58	DEU	-	PAL
19359	102493	PI 328855	H. vulg.	A Hor 2232\58	DEU	-	PAL
19360	102494	PI 328856	H. vulg.	A Hor 2244\61	TUR	-	PAL
19361	102495	PI 328857	H. vulg.	A Hor 2245\61	DEU	-	PAL
19362	102496	PI 328859	H. vulg.	A Hor 2249\61	DEU	-	PAL
19363	102497	PI 328860	H. vulg.	A Hor 2252\61	DEU	-	PAL
19364	102498	PI 328861	H. vulg.	A Hor 2253\61	DEU	-	PAL
19365	102499	PI 328862	H. vulg.	A Hor 2254\61	DEU	-	PAL
19366	102500	PI 328863	H. vulg.	A Hor 2256\61	DEU	-	PAL
19367	102501	PI 328864	H. vulg.	A Hor 2257\61	DEU	-	PAL
19368	102502	PI 328865	H. vulg.	A Hor 2258\61	DEU	-	PAL
19369	102503	PI 328866	H. vulg.	A Hor 2259\61	DEU	-	PAL
19370	102504	PI 328867	H. vulg.	A Hor 2263\61	DEU	-	PAL
19371	102505	PI 328868	H. vulg.	A Hor 2264\60	DEU	-	PAL
19372	102506	PI 328869	H. vulg.	A Hor 2265\61	DEU	-	PAL
19373	102507	PI 328870	H. vulg.	A Hor 2322\58	DEU	-	PAL
19374	102508	PI 328871	H. vulg.	A Hor 2327\58	DEU	-	PAL
19375	102509	PI 328872	H. vulg.	A Hor 2328\58	DEU	-	PAL
19376	102510	PI 328873	H. vulg.	A Hor 2330\58	DEU	-	PAL
19377	102511	PI 328875	H. vulg.	A Hor 2333\58	DEU	-	PAL
19378	102512	PI 328876	H. vulg.	A Hor 2334\58	DEU	-	PAL
19379	102513	PI 328877	H. vulg.	A Hor 2336\58	DEU	-	PAL
19380	102514	PI 328878	H. vulg.	A Hor 2338\58	DEU	-	PAL
19381	102515	PI 328879	H. vulg.	A Hor 2340\58	DEU	-	PAL
19382	102516	PI 328880	H. vulg.	A Hor 2342\58	DEU	-	PAL
19383	102517	PI 328881	H. vulg.	A Hor 2345\58	DEU	-	PAL
19384	102518	PI 328882	H. vulg.	A Hor 2346\58	DEU	-	PAL
19385	102519	PI 328883	H. vulg.	A Hor 2347\58	DEU	-	PAL
19386	102520	PI 328884	H. vulg.	A Hor 2349\58	DEU	-	PAL
19387	102521	PI 328885	H. vulg.	A Hor 2350\58	DEU	-	PAL
19388	102522	PI 328886	H. vulg.	A Hor 2351\58	CHN	-	PAL
19389	102523	PI 328888	H. vulg.	A Hor 2354\58	CHN	-	PAL
19390	102524	PI 328890	H. vulg.	A Hor 2358\58	DEU	-	PAL
19391	102525	PI 328892	H. vulg.	A Hor 2361\58	CHN	-	PAL
19392	102526	PI 328893	H. vulg.	A Hor 2364\58	CHN	-	PAL
19393	102527	PI 328894	H. vulg.	A Hor 2365\58	CHN	-	PAL
19394	102528	PI 328895	H. vulg.	A Hor 2366\58	CHN	-	PAL
19395	102529	PI 328896	H. vulg.	A Hor 2368\58	CHN	-	PAL
19396	102530	PI 328897	H. vulg.	A Hor 2369\58	CHN	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
19397	102531	PI 328898	H. vulg.	A Hor 2370\58	CHN	-	PAL
19398	102532	PI 328899	H. vulg.	A Hor 2372\58	CHN	-	PAL
19399	102533	PI 328900	H. vulg.	A Hor 2374\61	CHN	-	PAL
19400	102534	PI 328902	H. vulg.	A Hor 2382\58	DEU	-	PAL
19404	102535	PI 328904	H. vulg.	A Hor 2384\58	DEU	-	PAL
19402	102536	PI 328905	H. vulg.	A Hor 2385\58	DEU	-	PAL
19403	102537	PI 328906	H. vulg.	A Hor 2386\58	TUR	-	PAL
19404	102538	PI 328907	H. vulg.	A Hor 2387\60	TUR	-	PAL
19405	102539	PI 328908	H. vulg.	A Hor 2388\58	TUR	-	PAL
19406	102540	PI 328909	H. vulg.	A Hor 2389\58	DEU	-	PAL
19407	102541	PI 328910	H. vulg.	A Hor 2390\58	DEU	-	PAL
19408	102542	PI 328911	H. vulg.	A Hor 2391\58	DEU	-	PAL
19409	102543	PI 328912	H. vulg.	A Hor 2392\58	ITA	-	PAL
19410	102544	PI 328913	H. vulg.	A Hor 2397\61	DEU	-	PAL
19411	102545	PI 328914	H. vulg.	A Hor 2398\61	DEU	-	PAL
19412	102546	PI 328915	H. vulg.	A Hor 2399\58	DEU	-	PAL
19413	102547	PI 328916	H. vulg.	A Hor 2400\58	DEU	-	PAL
19414	102548	PI 328917	H. vulg.	A Hor 2401\58	DEU	-	PAL
19415	102549	PI 328918	H. vulg.	A Hor 2402\58	DEU	-	PAL
19416	102550	PI 328919	H. vulg.	A Hor 2404\58	DEU	-	PAL
19417	102551	PI 328920	H. vulg.	A Hor 2405\58	TUR	-	PAL
19418	102552	PI 328921	H. vulg.	A Hor 2407\58	DEU	-	PAL
19419	102553	PI 328922	H. vulg.	A Hor 2409\58	DEU	-	PAL
19420	102554	PI 328923	H. vulg.	A Hor 2410\58	DEU	-	PAL
19421	102555	PI 328924	H. vulg.	A Hor 2414\58	ITA	-	PAL
19422	102556	PI 328925	H. spp.	A Hor 2415\58	DEU	-	PAL
19423	102557	PI 328926	H. vulg.	A Hor 2417\58	DEU	-	PAL
19424	102558	PI 328927	H. vulg.	A Hor 2419\58	SUN	-	PAL
19425	102559	PI 328928	H. vulg.	A Hor 2427\58	DEU	-	PAL
19426	102560	PI 328929	H. vulg.	A Hor 2441\58	DEU	-	PAL
19427	102561	PI 328930	H. vulg.	A Hor 2442\58	DEU	-	PAL
19428	102562	PI 328931	H. vulg.	A Hor 2469\59	DEU	-	PAL
19429	102563	PI 328932	H. vulg.	A Hor 2470\61	DEU	-	PAL
19430	102564	PI 328933	H. vulg.	A Hor 2471\60	DEU	-	PAL
19431	102565	PI 328934	H. vulg.	A Hor 2472\61	DEU	-	PAL
19432	102566	PI 328935	H. vulg.	A Hor 2473\61	DEU	-	PAL
19433	102567	PI 328936	H. vulg.	A Hor 2474\61	DEU	-	PAL
19434	102568	PI 328937	H. vulg.	A Hor 2476\61	DEU	-	PAL
19435	102569	PI 328938	H. vulg.	A Hor 2477\61	DEU	-	PAL
19436	102570	PI 328939	H. vulg.	A Hor 2478\61	DEU	-	PAL
19437	102571	PI 328940	H. vulg.	A Hor 2479\61	DEU	-	PAL
19438	102572	PI 328942	H. vulg.	A Hor 2482\58	DEU	-	PAL
19439	102573	PI 328943	H. vulg.	A Hor 2483\58	DEU	-	PAL
19440	102574	PI 328944	H. vulg.	A Hor 2484\58	DEU	-	PAL
19441	102575	PI 328945	H. vulg.	A Hor 2486\58	ITA	-	PAL
19442	102576	PI 328946	H. vulg.	A Hor 2487\58	DEU	-	PAL
19443	102577	PI 328947	H. vulg.	A Hor 2488\58	DEU	-	PAL
19444	102578	PI 328948	H. vulg.	A Hor 2489\58	DEU	-	PAL
19445	102579	PI 328949	H. vulg.	A Hor 2490\58	DEU	-	PAL
19446	102580	PI 328950	H. vulg.	A Hor 2491\58	DEU	-	PAL
19447	102581	PI 328951	H. vulg.	A Hor 2492\58	DEU	-	PAL
19448	102582	PI 328952	H. vulg.	A Hor 2493\58	DEU	-	PAL
19449	102583	PI 328954	H. vulg.	A Hor 2496\58	DEU	-	PAL
19450	102584	PI 328955	H. vulg.	A Hor 2497\58	DEU	-	PAL
19451	102585	PI 328956	H. vulg.	A Hor 2498\58	DEU	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
19452	102586	PI 328957	H. vulg.	A Hor 2499\58	DEU	-	PAL
19453	102587	PI 328958	H. vulg.	A Hor 2502\60	IRN	-	PAL
19454	102588	PI 328959	H. vulg.	A Hor 2503\61	DEU	-	PAL
19455	102589	PI 328960	H. vulg.	A Hor 2504\60	DEU	-	PAL
19456	102590	PI 328961	H. def.	AS 100\60	DEU	-	PAL
19457	102591	PI 328963	H. def.	AS 107\60	DEU	-	PAL
19458	102592	PI 328964	H. def.	AS 109\60	DEU	-	PAL
19459	102593	PI 328965	H. def.	AS 112\60	DEU	-	PAL
19460	102594	PI 328966	H. def.	AS 114\60	DEU	-	PAL
19461	102595	PI 328968	H. dist.	AS 117\60	DEU	-	PAL
19462	102596	PI 328969	H. dist.	AS 119\60	DEU	-	PAL
19463	102597	PI 328970	H. dist.	AS 120\60	DEU	-	PAL
19464	102598	PI 328971	H. dist.	AS 121\60	DEU	-	PAL
19465	102599	PI 328972	H. dist.	AS 122\60	DEU	-	PAL
19466	102600	PI 328974	H. dist.	AS 127\60	DEU	-	PAL
19467	102601	PI 328976	H. vulg.	AS 139\60	DEU	-	PAL
19468	102602	PI 328977	H. vulg.	AS 140\60	DEU	-	PAL
19469	102603	PI 328978	H. vulg.	AS 141\60	DEU	-	PAL
19470	102604	PI 328979	H. vulg.	AS 144\60	DEU	-	PAL
19471	102605	PI 328981	H. vulg.	AS 147\60	DEU	-	PAL
19472	102606	PI 328982	H. vulg.	AS 148\60	DEU	-	PAL
19473	102607	PI 328983	H. dist.	AS 152\60	DEU	-	PAL
19474	102608	PI 328985	H. vulg.	AS 156\60	DEU	-	PAL
19475	102609	PI 328986	H. vulg.	AS 157\60	DEU	-	PAL
19476	102610	PI 328987	H. vulg.	AS 160\60	DEU	-	PAL
19477	102611	PI 328988	H. vulg.	AS 162\60	DEU	-	PAL
19478	102612	PI 328990	H. def.	AS 199\60	DEU	-	PAL
19479	102613	PI 328992	H. vulg.	AS 3171\60	DEU	-	PAL
19480	102614	PI 328993	H. def.	AS 3173\61	DEU	-	PAL
19481	102615	PI 328995	H. vulg.	AS 3178\61	DEU	-	PAL
19482	102616	PI 328996	H. vulg.	AS 3180\61	DEU	-	PAL
19483	102617	PI 328997	H. def.	AS 3185\61	DEU	-	PAL
19484	102618	PI 328998	H. def.	AS 3187\61	DEU	-	PAL
19485	102619	PI 328999	H. vulg.	AS 3191\61	DEU	-	PAL
19486	102620	PI 329000	H. vulg.	AS 3192\61	DEU	-	PAL
19487	102621	PI 329001	H. def.	AS 3193\61	DEU	-	PAL
19488	102622	PI 329003	H. vulg.	AS 3198\61	DEU	-	PAL
19489	102623	PI 329004	H. vulg.	AS 3201\61	DEU	-	PAL
19490	102624	PI 329005	H. def.	AS 3204\61	DEU	-	PAL
19491	102625	PI 329006	H. dist.	AS 3205\61	DEU	-	PAL
19492	102626	PI 329008	H. vulg.	H Hor 16\61	DEU	-	PAL
19493	102627	PI 329009	H. vulg.	H Hor 401\59	TUR	-	PAL
19494	102628	PI 329010	H. vulg.	H Hor 402\59	TUR	-	PAL
19495	102629	PI 329011	H. vulg.	H Hor 976\59	DEU	-	PAL
19496	102630	PI 329012	H. vulg.	H Hor 977\59	DEU	-	PAL
19497	102631	PI 329014	H. vulg.	H Hor 979\59	DEU	-	PAL
19498	102632	PI 329015	H. vulg.	H Hor 981\59	DEU	-	PAL
19499	102633	PI 329016	H. vulg.	H Hor 982\59	DEU	-	PAL
19500	102634	PI 329017	H. vulg.	H Hor 985\59	DEU	-	PAL
19501	102635	PI 329018	H. vulg.	H Hor 986\59	DEU	-	PAL
19502	102636	PI 329019	H. vulg.	H Hor 990\59	DEU	-	PAL
19503	102637	PI 329021	H. vulg.	H Hor 995\59	DEU	-	PAL
19504	102638	PI 329022	H. vulg.	H Hor 996\59	DEU	-	PAL
19505	102639	PI 329023	H. vulg.	H Hor 997\59	DEU	-	PAL
19506	102640	PI 329024	H. vulg.	H Hor 998\59	DEU	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
19507	102641	PI 329025	H. vulg.	H Hor 999\59	TUR	-	PAL
19508	102642	PI 329026	H. vulg.	H Hor 1000\59	TUR	-	PAL
19509	102643	PI 329027	H. vulg.	H Hor 1001\59	TUR	-	PAL
19510	102644	PI 329028	H. vulg.	H Hor 1002\59	TUR	-	PAL
19511	102645	PI 329029	H. vulg.	H Hor 1003\59	TUR	-	PAL
19512	102646	PI 329030	H. vulg.	H Hor 1005\59	DEU	-	PAL
19513	102647	PI 329031	H. vulg.	H Hor 1007\61	DEU	-	PAL
19514	102648	PI 329032	H. vulg.	H Hor 1009\59	DEU	-	PAL
19515	102649	PI 329033	H. vulg.	H Hor 1010\59	DEU	-	PAL
19516	102650	PI 329034	H. vulg.	H Hor 1012\59	DEU	-	PAL
19517	102651	PI 329035	H. vulg.	H Hor 1013\61	DEU	-	PAL
19518	102652	PI 329036	H. vulg.	H Hor 1016\59	DEU	-	PAL
19519	102653	PI 329037	H. vulg.	H Hor 1018\59	DEU	-	PAL
19520	102654	PI 329038	H. vulg.	H Hor 1019\59	DEU	-	PAL
19521	102655	PI 329039	H. vulg.	H Hor 1020\59	DEU	-	PAL
19522	102656	PI 329040	H. vulg.	H Hor 1022\59	DEU	-	PAL
19523	102657	PI 329041	H. vulg.	H Hor 1025\59	DEU	-	PAL
19524	102658	PI 329042	H. vulg.	H Hor 1027\59	DEU	-	PAL
19525	102659	PI 329043	H. vulg.	H Hor 1028\59	DEU	-	PAL
19526	102660	PI 329044	H. vulg.	H Hor 1032\59	DEU	-	PAL
19527	102661	PI 329045	H. vulg.	H Hor 1033\59	DEU	-	PAL
19528	102662	PI 329046	H. vulg.	H Hor 1034\59	DEU	-	PAL
19529	102663	PI 329047	H. vulg.	H Hor 1035\59	DEU	-	PAL
19530	102664	PI 329048	H. vulg.	H Hor 1037\59	DEU	-	PAL
19531	102665	PI 329050	H. vulg.	H Hor 1041\59	TUR	-	PAL
19532	102666	PI 329051	H. vulg.	H Hor 1042\59	TUR	-	PAL
19533	102667	PI 329052	H. vulg.	H Hor 1043\59	TUR	-	PAL
19534	102668	PI 329053	H. vulg.	H Hor 1044\61	TUR	-	PAL
19535	102669	PI 329054	H. vulg.	H Hor 1046\59	TUR	-	PAL
19536	102670	PI 329055	H. vulg.	H Hor 1047\59	TUR	-	PAL
19537	102671	PI 329056	H. vulg.	H Hor 1048\59	TUR	-	PAL
19538	102672	PI 329057	H. vulg.	H Hor 1049\59	TUR	-	PAL
19539	102673	PI 329058	H. vulg.	H Hor 1050\58	TUR	-	PAL
19540	102674	PI 329059	H. vulg.	H Hor 1051\61	TUR	-	PAL
19541	102675	PI 329060	H. vulg.	H Hor 1052\61	TUR	-	PAL
19542	102676	PI 329062	H. vulg.	H Hor 1054\61	TUR	-	PAL
19543	102677	PI 329063	H. vulg.	H Hor 1055\59	TUR	-	PAL
19544	102678	PI 329064	H. vulg.	H Hor 1056\59	TUR	-	PAL
19545	102679	PI 329065	H. vulg.	H Hor 1057\58	TUR	-	PAL
19546	102680	PI 329066	H. vulg.	H Hor 1058\59	TUR	-	PAL
19547	102681	PI 329067	H. vulg.	H Hor 1059\59	TUR	-	PAL
19548	102682	PI 329068	H. vulg.	H Hor 1060\61	TUR	-	PAL
19549	102683	PI 329069	H. vulg.	H Hor 1061\58	TUR	-	PAL
19550	102684	PI 329070	H. vulg.	H Hor 1062\61	TUR	-	PAL
19551	102685	PI 329071	H. vulg.	H Hor 1063\61	TUR	-	PAL
19552	102686	PI 329072	H. vulg.	H Hor 1065\61	TUR	-	PAL
19553	102687	PI 329073	H. vulg.	H Hor 1066\59	TUR	-	PAL
19554	102688	PI 329074	H. vulg.	H Hor 1067\59	TUR	-	PAL
19555	102689	PI 329075	H. vulg.	H Hor 1068\61	TUR	-	PAL
19556	102690	PI 329076	H. vulg.	H Hor 1069\58	TUR	-	PAL
19557	102691	PI 329077	H. vulg.	H Hor 1070\59	TUR	-	PAL
19558	102692	PI 329078	H. vulg.	H Hor 1071\59	TUR	-	PAL
19559	102693	PI 329079	H. vulg.	H Hor 1072\58	TUR	-	PAL
19560	102694	PI 329080	H. vulg.	H Hor 1073\61	TUR	-	PAL
19561	102695	PI 329081	H. vulg.	H Hor 1074\61	TUR	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
19562	102696	PI 329082	H. vulg.	H Hor 1075\58	TUR	-	PAL
19563	102697	PI 329083	H. vulg.	H Hor 1076\61	TUR	-	PAL
19564	102698	PI 329084	H. vulg.	H Hor 1077\58	TUR	-	PAL
19565	102699	PI 329085	H. vulg.	H Hor 1078\59	TUR	-	PAL
19566	102700	PI 329087	H. vulg.	H Hor 1080\61	TUR	-	PAL
19567	102701	PI 329088	H. vulg.	H Hor 1081\61	TUR	-	PAL
19568	102702	PI 329089	H. vulg.	H Hor 1082\58	TUR	-	PAL
19569	102703	PI 329090	H. vulg.	H Hor 1083\58	TUR	-	PAL
19570	102704	PI 329091	H. vulg.	H Hor 1084\61	TUR	-	PAL
19571	102705	PI 329092	H. vulg.	H Hor 1085\58	TUR	-	PAL
19572	102706	PI 329093	H. vulg.	H Hor 1086\58	TUR	-	PAL
19573	102707	PI 329095	H. vulg.	H Hor 1089\58	TUR	-	PAL
19574	102708	PI 329096	H. vulg.	H Hor 1090\61	TUR	-	PAL
19575	102709	PI 329098	H. vulg.	H Hor 1094\61	TUR	-	PAL
19576	102710	PI 329099	H. vulg.	H Hor 1095\61	TUR	-	PAL
19577	102711	PI 329100	H. vulg.	H Hor 1096\61	TUR	-	PAL
19578	102712	PI 329101	H. vulg.	H Hor 1097\61	TUR	-	PAL
19579	102713	PI 329102	H. vulg.	H Hor 1098\61	TUR	-	PAL
19580	102714	PI 329103	H. vulg.	H Hor 1100\58	TUR	-	PAL
19581	102715	PI 329104	H. vulg.	H Hor 1101\58	TUR	-	PAL
19582	102716	PI 329105	H. vulg.	H Hor 1102\58	TUR	-	PAL
19583	102717	PI 329106	H. vulg.	H Hor 1105\58	TUR	-	PAL
19584	102718	PI 329107	H. vulg.	H Hor 1107\61	TUR	-	PAL
19585	102719	PI 329108	H. vulg.	H Hor 1108\58	TUR	-	PAL
19586	102720	PI 329109	H. vulg.	H Hor 1116\59	DEU	-	PAL
19587	102721	PI 329110	H. vulg.	H Hor 1345\61	DEU	-	PAL
19588	102722	PI 329111	H. vulg.	H Hor 1360\61	DEU	-	PAL
19589	102723	PI 329112	H. vulg.	H Hor 1363\58	TUR	-	PAL
19590	102724	PI 329113	H. vulg.	H Hor 2238\59	BGR	-	PAL
19591	102725	PI 329114	H. vulg.	H Hor 2281\56	DEU	-	PAL
19592	102726	PI 329115	H. vulg.	H Hor 2285\58	ITA	-	PAL
19593	102727	PI 329116	H. vulg.	H Hor 2286\58	DEU	-	PAL
19594	102728	PI 329117	H. vulg.	H Hor 2287\58	DEU	-	PAL
19595	102729	PI 329118	H. vulg.	H Hor 2288\58	DEU	-	PAL
19596	102730	PI 329119	H. vulg.	H Hor 2289\58	BGR	-	PAL
19597	102731	PI 329120	H. vulg.	H Hor 2292\58	BGR	-	PAL
19598	102732	PI 329121	H. vulg.	H Hor 2294\58	DEU	-	PAL
19599	102733	PI 329122	H. vulg.	H Hor 2297\58	DEU	-	PAL
19600	102734	PI 329123	H. vulg.	H Hor 2300\58	DEU	-	PAL
19601	102735	PI 329124	H. vulg.	H Hor 2313\58	DEU	-	PAL
19602	102736	PI 329125	H. vulg.	H Hor 2314\58	DEU	-	PAL
19603	102737	PI 329126	H. vulg.	H Hor 2325\58	DEU	-	PAL
19604	102738	PI 329127	H. vulg.	H Hor 2445\59	SUN	-	PAL
19605	102739	PI 329129	H. vulg.	H Hor 2447\59	SUN	-	PAL
19606	102740	PI 329130	H. vulg.	H Hor 2448\59	SUN	-	PAL
19607	102741	PI 329132	H. vulg.	W Hor 305\61	DEU	-	PAL
19608	102742	PI 329133	H. vulg.	W Hor 308\61	DEU	-	PAL
19609	102743	PI 329134	H. vulg.	W Hor 1358\58	TUR	-	PAL
19610	102744	PI 331704	H. vulg.	Col P-608	UNK	-	ETH
19611	102745	PI 331705	H. spp.	Col P-607	UNK	-	ETH
19612	102746	PI 331803	H. vulg.	HUJ 142\58	DEU	-	PAL
19613	102747	PI 331808	H. vulg.	HUJ 325\61	DEU	-	PAL
19614	102748	PI 331809	H. vulg.	HUJ 373\61	DEU	-	PAL
19615	102749	PI 331810	H. vulg.	HUJ 381\61	DEU	-	PAL
19616	102750	PI 331811	H. vulg.	HUJ 419\61	DEU	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
19617	102751	PI 331812	H. vulg.	HUJ 721\61	DEU	-	PAL
19618	102752	PI 331813	H. vulg.	HUJ 724\61	DEU	-	PAL
19619	102753	PI 331814	H. vulg.	HUJ 728\60	DEU	-	PAL
19620	102754	PI 331815	H. vulg.	HUJ 741\59	DEU	-	PAL
19621	102755	PI 331816	H. vulg.	HUJ 757\61	DEU	-	PAL
19622	102756	PI 331817	H. vulg.	HUJ 764\61	DEU	-	PAL
19623	102757	PI 331818	H. vulg.	HUJ 770\61	DEU	-	PAL
19624	102758	PI 331822	H. vulg.	HUJ 802\60	DEU	-	PAL
19625	102759	PI 331825	H. vulg.	HUJ 805\60	DEU	-	PAL
19626	102760	PI 331827	H. vulg.	HUJ 808\61	DEU	-	PAL
19627	102761	PI 331828	H. vulg.	HUJ 810\60	DEU	-	PAL
19628	102762	PI 331833	H. vulg.	HUJ 835\61	DEU	-	PAL
19629	102763	PI 331838	H. vulg.	HUJ 852\60	DEU	-	PAL
19630	102764	PI 331841	H. vulg.	HUJ 874\59	DEU	-	PAL
19631	102765	PI 331842	H. vulg.	HUJ 880\61	DEU	-	PAL
19632	102766	PI 331844	H. vulg.	HUJ 962\58	DEU	-	PAL
19633	102767	PI 331850	H. vulg.	HUJ 1136\59	DEU	-	PAL
19634	102768	PI 331851	H. vulg.	HUJ 1227\58	DEU	-	PAL
19635	102769	PI 331852	H. vulg.	HUJ 1265\61	DEU	-	PAL
19636	102770	PI 331853	H. vulg.	HUJ 1283\60	DEU	-	PAL
19637	102771	PI 331854	H. vulg.	HUJ 1286\57	DEU	-	PAL
19638	102772	PI 331855	H. vulg.	HUJ 1300\59	DEU	-	PAL
19639	102773	PI 331856	H. vulg.	HUJ 1303\61	DEU	-	PAL
19640	102774	PI 331857	H. vulg.	HUJ 1308\57	DEU	-	PAL
19641	102775	PI 331858	H. vulg.	HUJ 1310\61	DEU	-	PAL
19642	102776	PI 331860	H. vulg.	HUJ 1447\58	DEU	-	PAL
19643	102777	PI 331861	H. vulg.	HUJ 1451\58	DEU	-	PAL
19644	102778	PI 331862	H. vulg.	HUJ 1454\58	DEU	-	PAL
19645	102779	PI 331863	H. vulg.	HUJ 1462\58	DEU	-	PAL
19646	102780	PI 331869	H. vulg.	HUJ 1515\58	DEU	-	PAL
19647	102781	PI 331872	H. vulg.	HUJ 1581\58	DEU	-	PAL
19648	102782	PI 331876	H. vulg.	HUJ 1622\58	DEU	-	PAL
19649	102783	PI 331877	H. vulg.	HUJ 1633\58	DEU	-	PAL
19650	102784	PI 331879	H. vulg.	HUJ 1677\58	DEU	-	PAL
19651	102785	PI 331881	H. vulg.	HUJ 1690\61	DEU	-	PAL
19652	102786	PI 331882	H. vulg.	HUJ 1730\58	DEU	-	PAL
19653	102787	PI 331885	H. vulg.	HUJ 1814\60	DEU	-	PAL
19654	102788	PI 331888	H. vulg.	HUJ 1829\60	DEU	-	PAL
19655	102789	PI 331894	H. vulg.	HUJ 1847\61	DEU	-	PAL
19656	102790	PI 331895	H. vulg.	HUJ 1850\60	DEU	-	PAL
19657	102791	PI 331896	H. vulg.	HUJ 1852\61	DEU	-	PAL
19658	102792	PI 331897	H. vulg.	HUJ 1854\60	DEU	-	PAL
19659	102793	PI 331900	H. vulg.	HUJ 1858\60	DEU	-	PAL
19660	102794	PI 331902	H. vulg.	HUJ 1860\61	DEU	-	PAL
19661	102795	PI 331904	H. vulg.	HUJ 1884\60	DEU	-	PAL
19662	102796	PI 331905	H. vulg.	HUJ 1927\61	DEU	-	PAL
19663	102797	PI 331906	H. vulg.	HUJ 1938\61	DEU	-	PAL
19664	102798	PI 331909	H. vulg.	HUJ 1981\60	DEU	-	PAL
19665	102799	PI 331911	H. vulg.	HUJ 1991\60	DEU	-	PAL
19666	102800	PI 331912	H. vulg.	HUJ 2003\60	DEU	-	PAL
19667	102801	PI 331913	H. vulg.	HUJ 2005\61	DEU	-	PAL
19668	102802	PI 331915	H. vulg.	HUJ 2010\61	DEU	-	PAL
19669	102803	PI 331916	H. vulg.	HUJ 2012\60	DEU	-	PAL
19670	102804	PI 331919	H. vulg.	HUJ 2057\58	DEU	-	PAL
19671	102805	PI 331921	H. vulg.	HUJ 2070\59	DEU	-	PAL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
19672	102806	PI 331923	H. vulg.	HUJ 2075\58	DEU	-	PAL
19673	102807	PI 331926	H. vulg.	HUJ 2097\58	DEU	-	PAL
19674	102808	PI 331928	H. vulg.	HUJ 2110\58	DEU	-	PAL
19675	102809	PI 331929	H. vulg.	HUJ 2112\58	DEU	-	PAL
19676	102810	PI 331930	H. vulg.	HUJ 2115\58	DEU	-	PAL
19677	102811	PI 331931	H. vulg.	HUJ 2118\58	DEU	-	PAL
19678	102812	PI 331932	H. vulg.	HUJ 2121\58	DEU	-	PAL
19679	102813	PI 331933	H. vulg.	HUJ 2122\58	DEU	-	PAL
19680	102814	PI 331935	H. vulg.	HUJ 2137\58	DEU	-	PAL
19681	102815	PI 331937	H. vulg.	HUJ 2150\58	DEU	-	PAL
19682	102816	PI 331939	H. vulg.	HUJ 2157\58	DEU	-	PAL
19683	102817	PI 331941	H. vulg.	HUJ 2171\58	DEU	-	PAL
19684	102818	PI 331942	H. vulg.	HUJ 2174\58	DEU	-	PAL
19685	102819	PI 331944	H. vulg.	HUJ 2210\58	DEU	-	PAL
19686	102820	PI 331946	H. vulg.	HUJ 2291\58	DEU	-	PAL
19687	102821	PI 331949	H. vulg.	HUJ 2376\58	DEU	-	PAL
19688	102822	PI 331950	H. vulg.	HUJ 2377\58	DEU	-	PAL
19689	102823	PI 331952	H. vulg.	HUJ 2403\56	DEU	-	PAL
19690	102824	PI 331955	H. vulg.	HUJ 2463\60	DEU	-	PAL
19691	102825	PI 331956	H. vulg.	HUJ 2466\60	DEU	-	PAL
19692	102826	PI 331958	H. vulg.	HUJ 2974\58	DEU	-	PAL
19693	102827	PI 331959	H. vulg.	HUJ 2976\60	DEU	-	PAL
19694	102828	PI 331975	H. vulg.	HUJ 2467\59	DEU	-	PAL
19695	102829	PI 331976	H. vulg.	HUJ 3215\58	DEU	-	PAL
19696	102830	PI 331979	H. vulg.	HUJ W Hor 800\61	DEU	-	PAL
19697	102831	PI 331980	H. vulg.	HUJ W Hor 2267\60	DEU	-	PAL
19698	102832	PI 331981	H. vulg.	HUJ AS 142\60	DEU	-	PAL
19699	102833	PI 342017	H. vulg.	PBSE 18	TUR	Eskisehir	TUR
19700	102834	PI 342018	H. vulg.	PBSE 19	TUR	Elazig	TUR
19701	102835	PI 342019	H. vulg.	PBSE 20	TUR	Kirsehir	TUR
19702	102836	PI 342021	H. vulg.	PBSE 23	TUR	Erzurum	TUR
19703	102837	PI 342022	H. vulg.	PBSE 25	TUR	Maras	TUR
19704	102838	PI 342023	H. vulg.	PBSE 26	TUR	Ankara	TUR
19705	102839	PI 342025	H. vulg.	PBSE 28	TUR	Kayseri	TUR
19706	102840	PI 342026	H. vulg.	PBSE 29	TUR	Elazig	TUR
19707	102841	PI 342029	H. vulg.	PBSE 32	TUR	Tokat	TUR
19708	102842	PI 342030	H. vulg.	PBSE 33	TUR	Ankara	TUR
19709	102843	PI 342032	H. vulg.	PBSE 35	TUR	Afyon	TUR
19710	102844	PI 342033	H. vulg.	PBSE 36	TUR	Eskisehir	TUR
19711	102845	PI 342034	H. vulg.	PBSE 2299	TUR	Usak	TUR
19712	102846	PI 342035	H. vulg.	PBSE 2300	TUR	Usak	TUR
19713	102847	PI 342037	H. vulg.	PBSE 2302	TUR	Usak	TUR
19714	102848	PI 342038	H. vulg.	PBSE 2303	TUR	Usak	TUR
19715	102849	PI 342039	H. vulg.	PBSE 2304	TUR	Usak	TUR
19716	102850	PI 342040	H. vulg.	PBSE 2305	TUR	Usak	TUR
19717	102851	PI 342041	H. vulg.	PBSE 2307	TUR	Usak	TUR
19718	102852	PI 342042	H. vulg.	PBSE 2308	TUR	Usak	TUR
19719	102853	PI 342043	H. vulg.	PBSE 2309	TUR	Usak	TUR
19720	102854	PI 342044	H. vulg.	PBSE 2310	TUR	Usak	TUR
19721	102855	PI 342045	H. vulg.	PBSE 2311	TUR	Usak	TUR
19722	102856	PI 342048	H. vulg.	PBSE 2314	TUR	Usak	TUR
19723	102857	PI 342050	H. vulg.	PBSE 2316	TUR	Usak	TUR
19724	102858	PI 342053	H. vulg.	PBSE 2319	TUR	Usak	TUR
19725	102859	PI 342055	H. vulg.	PBSE 2321	TUR	Usak	TUR
19726	102860	PI 342057	H. vulg.	PBSE 2323	TUR	Usak	TUR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
19727	102861	PI 342058	H. vulg.	PBSE 2324	TUR	Usak	TUR
19728	102862	PI 342059	H. vulg.	PBSE 2325	TUR	Usak	TUR
19729	102863	PI 342060	H. vulg.	PBSE 2326	TUR	Usak	TUR
19730	102864	PI 342061	H. vulg.	PBSE 2327	TUR	Usak	TUR
19731	102865	PI 342062	H. vulg.	PBSE 2328	TUR	Usak	TUR
19732	102866	PI 342063	H. vulg.	PBSE 2329	TUR	Usak	TUR
19733	102867	PI 342064	H. vulg.	PBSE 2330	TUR	Usak	TUR
19734	102868	PI 342065	H. vulg.	PBSE 2331	TUR	Usak	TUR
19735	102869	PI 342066	H. vulg.	PBSE 2332	TUR	Usak	TUR
19736	102870	PI 342068	H. vulg.	PBSE 2335	TUR	Usak	TUR
19737	102871	PI 342069	H. vulg.	PBSE 2336	TUR	Usak	TUR
19738	102872	PI 342070	H. vulg.	PBSE 2337	TUR	Karakalli	TUR
19739	102873	PI 342071	H. vulg.	PBSE 2338	TUR	Afyon	TUR
19740	102874	PI 342072	H. vulg.	PBSE 2339	TUR	Afyon	TUR
19741	102875	PI 342077	H. vulg.	PBSE 2344	TUR	Usak	TUR
19742	102876	PI 342078	H. vulg.	PBSE 2345	TUR	Afyon	TUR
19743	102877	PI 342080	H. vulg.	PBSE 2347	TUR	Afyon	TUR
19744	102878	PI 342081	H. vulg.	PBSE 2348	TUR	Afyon	TUR
19745	102879	PI 342082	H. vulg.	PBSE 2349	TUR	Afyon	TUR
19746	102880	PI 342083	H. vulg.	PBSE 2350	TUR	Afyon	TUR
19747	102881	PI 342084	H. vulg.	PBSE 2351	TUR	Usak	TUR
19748	102882	PI 342085	H. vulg.	PBSE 2352	TUR	Afyon	TUR
19749	102883	PI 342086	H. vulg.	PBSE 2353	TUR	Usak	TUR
19750	102884	PI 342087	H. vulg.	PBSE 2354	TUR	Afyon	TUR
19751	102885	PI 342088	H. vulg.	PBSE 2355	TUR	Afyon	TUR
19752	102886	PI 342089	H. vulg.	PBSE 2356	TUR	Afyon	TUR
19753	102887	PI 342090	H. vulg.	PBSE 2357	TUR	Usak	TUR
19754	102888	PI 342091	H. vulg.	PBSE 2358	TUR	Afyon	TUR
19755	102889	PI 342092	H. vulg.	PBSE 2359	TUR	Afyon	TUR
19756	102890	PI 342093	H. vulg.	PBSE 2360	TUR	Afyon	TUR
19757	102891	PI 342094	H. vulg.	PBSE 2361	TUR	Afyon	TUR
19758	102892	PI 342095	H. vulg.	PBSE 2362	TUR	Usak	TUR
19759	102893	PI 342099	H. vulg.	PBSE 2366	TUR	Afyon	TUR
19760	102894	PI 342100	H. vulg.	PBSE 2367	TUR	Usak	TUR
19761	102895	PI 342101	H. vulg.	PBSE 2368	TUR	Usak	TUR
19762	102896	PI 342102	H. vulg.	PBSE 2369	TUR	Usak	TUR
19763	102897	PI 342103	H. vulg.	PBSE 2370	TUR	Usak	TUR
19764	102898	PI 342104	H. vulg.	PBSE 2371	TUR	Usak	TUR
19765	102899	PI 342105	H. vulg.	PBSE 2372	TUR	Usak	TUR
19766	102900	PI 342106	H. vulg.	PBSE 2373	TUR	Afyon	TUR
19767	102901	PI 342107	H. vulg.	PBSE 2374	TUR	Afyon	TUR
19768	102902	PI 342108	H. vulg.	PBSE 2375	TUR	Afyon	TUR
19769	102903	PI 342109	H. vulg.	PBSE 2376	TUR	Afyon	TUR
19770	102904	PI 342110	H. vulg.	PBSE 2377	TUR	Afyon	TUR
19771	102905	PI 342114	H. vulg.	PBSE 2381	TUR	Afyon	TUR
19772	102906	PI 342116	H. vulg.	PBSE 2383	TUR	Afyon	TUR
19773	102907	PI 342117	H. vulg.	PBSE 2384	TUR	Usak	TUR
19774	102908	PI 342118	H. vulg.	PBSE 2385	TUR	Afyon	TUR
19775	102909	PI 342120	H. vulg.	PBSE 2387	TUR	Afyon	TUR
19776	102910	PI 342121	H. vulg.	PBSE 2388	TUR	Afyon	TUR
19777	102911	PI 342123	H. vulg.	PBSE 2390	TUR	Afyon	TUR
19778	102912	PI 342124	H. vulg.	PBSE 2391	TUR	Afyon	TUR
19779	102913	PI 342125	H. vulg.	PBSE 2392	TUR	Afyon	TUR
19780	102914	PI 342126	H. vulg.	PBSE 2393	TUR	Afyon	TUR
19781	102915	PI 342127	H. vulg.	PBSE 2394	TUR	Usak	TUR

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19782	102916	PI 342128	H. vulg.	PBSE 2396	TUR	Usak	TUR
19783	102917	PI 342129	H. vulg.	PBSE 2397	TUR	Usak	TUR
19784	102918	PI 342130	H. vulg.	PBSE 2398	TUR	Afyon	TUR
19785	102919	PI 342131	H. vulg.	PBSE 2399	TUR	Afyon	TUR
19786	102920	PI 342132	H. vulg.	PBSE 2400	TUR	Afyon	TUR
19787	102921	PI 342133	H. vulg.	PBSE 2401	TUR	Usak	TUR
19788	102922	PI 342134	H. vulg.	PBSE 2402	TUR	Afyon	TUR
19789	102923	PI 342135	H. vulg.	PBSE 2403	TUR	Afyon	TUR
19790	102924	PI 342136	H. vulg.	PBSE 2404	TUR	Afyon	TUR
19791	102925	PI 342137	H. vulg.	PBSE 2405	TUR	Afyon	TUR
19792	102926	PI 342138	H. vulg.	PBSE 2406	TUR	Afyon	TUR
19793	102927	PI 342139	H. vulg.	PBSE 2407	TUR	Usak	TUR
19794	102928	PI 342140	H. vulg.	PBSE 2408	TUR	Afyon	TUR
19795	102929	PI 342141	H. vulg.	PBSE 2409	TUR	Afyon	TUR
19796	102930	PI 342142	H. vulg.	PBSE 2410	TUR	Afyon	TUR
19797	102931	PI 342143	H. vulg.	PBSE 2411	TUR	Afyon	TUR
19798	102932	PI 342144	H. vulg.	PBSE 2412	TUR	Afyon	TUR
19799	102933	PI 342147	H. vulg.	PBSE 2416	TUR	Afyon	TUR
19800	102934	PI 342148	H. vulg.	PBSE 2417	TUR	Afyon	TUR
19801	102935	PI 342150	H. vulg.	PBSE 2419	TUR	Usak	TUR
19802	102936	PI 342151	H. vulg.	PBSE 2420	TUR	Afyon	TUR
19803	102937	PI 342152	H. vulg.	PBSE 2421	TUR	Usak	TUR
19804	102938	PI 342154	H. vulg.	PBSE 2423	TUR	Usak	TUR
19805	102939	PI 342155	H. vulg.	PBSE 2424	TUR	Afyon	TUR
19806	102940	PI 342156	H. vulg.	PBSE 2425	TUR	Usak	TUR
19807	102941	PI 342157	H. vulg.	PBSE 2426	TUR	Afyon	TUR
19808	102942	PI 342158	H. vulg.	PBSE 2427	TUR	Afyon	TUR
19809	102943	PI 342159	H. vulg.	PBSE 2428	TUR	Afyon	TUR
19810	102944	PI 342161	H. vulg.	PBSE 2430	TUR	Afyon	TUR
19811	102945	PI 342162	H. vulg.	PBSE 2431	TUR	Afyon	TUR
19812	102946	PI 342163	H. vulg.	PBSE 2432	TUR	Afyon	TUR
19813	102947	PI 342164	H. vulg.	PBSE 2435	TUR	Usak	TUR
19814	102948	PI 342165	H. vulg.	PBSE 2436	TUR	Kutahya	TUR
19815	102949	PI 342166	H. vulg.	PBSE 2437	TUR	Usak	TUR
19816	102950	PI 342167	H. vulg.	PBSE 2438	TUR	Kutahya	TUR
19817	102951	PI 342168	H. vulg.	PBSE 2439	TUR	Usak	TUR
19818	102952	PI 342169	H. vulg.	PBSE 2440	TUR	Kutahya	TUR
19819	102953	PI 342170	H. vulg.	PBSE 2441	TUR	Kutahya	TUR
19820	102954	PI 342171	H. vulg.	PBSE 2442	TUR	Usak	TUR
19821	102955	PI 342172	H. vulg.	PBSE 2443	TUR	Kutahya	TUR
19822	102956	PI 342173	H. vulg.	PBSE 2444	TUR	Kutahya	TUR
19823	102957	PI 342174	H. vulg.	PBSE 2445	TUR	Kutahya	TUR
19824	102958	PI 342175	H. vulg.	PBSE 2446	TUR	Usak	TUR
19825	102959	PI 342176	H. vulg.	PBSE 2447	TUR	Kutahya	TUR
19826	102960	PI 342177	H. vulg.	PBSE 2448	TUR	Kutahya	TUR
19827	102961	PI 342178	H. vulg.	PBSE 2449	TUR	Kutahya	TUR
19828	102962	PI 342179	H. vulg.	PBSE 2450	TUR	Kutahya	TUR
19829	102963	PI 342180	H. vulg.	PBSE 2451	TUR	Kutahya	TUR
19830	102964	PI 342181	H. vulg.	PBSE 2452	TUR	Kutahya	TUR
19831	102965	PI 342184	H. vulg.	PBSE 2455	TUR	Kutahya	TUR
19832	102966	PI 342185	H. vulg.	PBSE 2456	TUR	Usak	TUR
19833	102967	PI 342186	H. vulg.	PBSE 2457	TUR	Afyon	TUR
19834	102968	PI 342187	H. vulg.	PBSE 2458	TUR	Afyon	TUR
19835	102969	PI 342188	H. vulg.	PBSE 2459	TUR	Usak	TUR
19836	102970	PI 342189	H. vulg.	PBSE 2460	TUR	Afyon	TUR

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19837	102971	PI 342190	H. vulg.	PBSE 2461	TUR	Afyon	TUR
19838	102972	PI 342195	H. vulg.	PBSE 2467	TUR	Afyon	TUR
19839	102973	PI 342196	H. vulg.	PBSE 2468	TUR	Usak	TUR
19840	102974	PI 342197	H. vulg.	PBSE 2469	TUR	Usak	TUR
19841	102975	PI 342198	H. vulg.	PBSE 2470	TUR	Usak	TUR
19842	102976	PI 342199	H. vulg.	PBSE 2471	TUR	Usak	TUR
19843	102977	PI 342200	H. vulg.	PBSE 2472	TUR	Usak	TUR
19844	102978	PI 342201	H. vulg.	PBSE 2473	TUR	Afyon	TUR
19845	102979	PI 342202	H. vulg.	PBSE 2474	TUR	Afyon	TUR
19846	102980	PI 342203	H. vulg.	PBSE 2475	TUR	Afyon	TUR
19847	102981	PI 342205	H. vulg.	PBSE 2477	TUR	Kutahya	TUR
19848	102982	PI 342206	H. vulg.	PBSE 2478	TUR	Kutahya	TUR
19849	102983	PI 342207	H. vulg.	PBSE 2479	TUR	Kutahya	TUR
19850	102984	PI 342208	H. vulg.	PBSE 2480	TUR	Kutahya	TUR
19851	102985	PI 342209	H. vulg.	PBSE 2481	TUR	Kutahya	TUR
19852	102986	PI 342210	H. vulg.	PBSE 2482	TUR	Kutahya	TUR
19853	102987	PI 342212	H. vulg.	PBSE 2484	TUR	Kutahya	TUR
19854	102988	PI 342213	H. vulg.	PBSE 2485	TUR	Kutahya	TUR
19855	102989	PI 342215	H. vulg.	PBSE 2488	TUR	Kutahya	TUR
19856	102990	PI 342217	H. vulg.	PBSE 2490	TUR	Kutahya	TUR
19857	102991	PI 342218	H. vulg.	PBSE 2491	TUR	Eskisehir	TUR
19858	102992	PI 342219	H. vulg.	PBSE 2493	TUR	Kutahya	TUR
19859	102993	PI 342220	H. vulg.	PBSE 2494	TUR	Kutahya	TUR
19860	102994	PI 342221	H. vulg.	PBSE 2495	TUR	Kutahya	TUR
19861	102995	PI 342225	H. vulg.	PBSE 2499	TUR	Kutahya	TUR
19862	102996	PI 342226	H. vulg.	PBSE 2500	TUR	Kutahya	TUR
19863	102997	PI 342227	H. vulg.	PBSE 2501	TUR	Kutahya	TUR
19864	102998	PI 342228	H. vulg.	PBSE 2502	TUR	Kutahya	TUR
19865	102999	PI 342230	H. vulg.	PBSE 2504	TUR	Kutahya	TUR
19866	103000	PI 342231	H. vulg.	PBSE 2505	TUR	Kutahya	TUR
19867	103001	PI 342232	H. vulg.	PBSE 2506	TUR	Kutahya	TUR
19868	103002	PI 342233	H. vulg.	PBSE 2507	TUR	Kutahya	TUR
19869	103003	PI 342235	H. vulg.	PBSE 2509	TUR	Kutahya	TUR
19870	103004	PI 342236	H. vulg.	PBSE 2510	TUR	Kutahya	TUR
19871	103005	PI 342238	H. vulg.	PBSE 2512	TUR	Kutahya	TUR
19872	103006	PI 342240	H. vulg.	PBSE 2514	TUR	Kutahya	TUR
19873	103007	PI 342241	H. vulg.	PBSE 2515	TUR	Kutahya	TUR
19874	103008	PI 342242	H. vulg.	PBSE 2516	TUR	Kutahya	TUR
19875	103009	PI 342243	H. vulg.	PBSE 2517	TUR	Kutahya	TUR
19876	103010	PI 342245	H. vulg.	PBSE 2519	TUR	Kutahya	TUR
19877	103011	PI 342246	H. vulg.	PBSE 2520	TUR	Kutahya	TUR
19878	103012	PI 342247	H. vulg.	PBSE 2521	TUR	Kutahya	TUR
19879	103013	PI 342248	H. vulg.	PBSE 2522	TUR	Kutahya	TUR
19880	103014	PI 342249	H. vulg.	PBSE 2523	TUR	Kutahya	TUR
19881	103015	PI 342250	H. vulg.	PBSE 2525	TUR	Kutahya	TUR
19882	103016	PI 342251	H. vulg.	PBSE 2526	TUR	Kutahya	TUR
19883	103017	PI 342252	H. vulg.	PBSE 2527	TUR	Kutahya	TUR
19884	103018	PI 342253	H. vulg.	PBSE 2528	TUR	Kutahya	TUR
19885	103019	PI 342254	H. vulg.	PBSE 2529	TUR	Kutahya	TUR
19886	103020	PI 342255	H. vulg.	PBSE 2530	TUR	Kutahya	TUR
19887	103021	PI 342256	H. vulg.	PBSE 2531	TUR	Kutahya	TUR
19888	103022	PI 342257	H. vulg.	PBSE 2532	TUR	Kutahya	TUR
19889	103023	PI 342258	H. vulg.	PBSE 2533	TUR	Kutahya	TUR
19890	103024	PI 342259	H. vulg.	PBSE 2534	TUR	Kutahya	TUR
19891	103025	PI 342260	H. vulg.	PBSE 2535	TUR	Kutahya	TUR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
19892	103026	PI 342261	H. vulg.	PBSE 2536	TUR	Kutahya	TUR
19893	103027	PI 342262	H. vulg.	PBSE 2537	TUR	Kutahya	TUR
19894	103028	PI 342263	H. vulg.	PBSE 2538	TUR	Kutahya	TUR
19895	103029	PI 342264	H. vulg.	PBSE 2540	TUR	Kutahya	TUR
19896	103030	PI 342265	H. vulg.	PBSE 2541	TUR	Usak	TUR
19897	103031	PI 342266	H. vulg.	PBSE 2542	TUR	Usak	TUR
19898	103032	PI 342267	H. vulg.	PBSE 2543	TUR	Usak	TUR
19899	103033	PI 342268	H. vulg.	PBSE 2544	TUR	Usak	TUR
19900	103034	PI 342269	H. vulg.	PBSE 2545	TUR	Kutahya	TUR
19901	103035	PI 342270	H. vulg.	PBSE 2546	TUR	Kutahya	TUR
19902	103036	PI 342271	H. vulg.	PBSE 2547	TUR	Usak	TUR
19903	103037	PI 342273	H. vulg.	PBSE 2549	TUR	Kutahya	TUR
19904	103038	PI 342274	H. vulg.	PBSE 2550	TUR	Kutahya	TUR
19905	103039	PI 342275	H. vulg.	PBSE 2551	TUR	Kutahya	TUR
19906	103040	PI 342276	H. vulg.	PBSE 2552	TUR	Kutahya	TUR
19907	103041	PI 342277	H. vulg.	PBSE 2554	TUR	Kutahya	TUR
19908	103042	PI 342278	H. vulg.	PBSE 2555	TUR	Kutahya	TUR
19909	103043	PI 342279	H. vulg.	PBSE 2556	TUR	Kutahya	TUR
19910	103044	PI 342280	H. vulg.	PBSE 2557	TUR	Kutahya	TUR
19911	103045	PI 342281	H. vulg.	PBSE 2558	TUR	Usak	TUR
19912	103046	PI 342282	H. vulg.	PBSE 2559	TUR	Kutahya	TUR
19913	103047	PI 342283	H. vulg.	PBSE 2560	TUR	Kutahya	TUR
19914	103048	PI 342284	H. vulg.	PBSE 2561	TUR	Kutahya	TUR
19915	103049	PI 342285	H. vulg.	PBSE 2562	TUR	Kutahya	TUR
19916	103050	PI 342286	H. vulg.	PBSE 2563	TUR	Kutahya	TUR
19917	103051	PI 342287	H. vulg.	PBSE 2564	TUR	Kutahya	TUR
19918	103052	PI 342288	H. vulg.	PBSE 2565	TUR	Kutahya	TUR
19919	103053	PI 342289	H. vulg.	PBSE 2566	TUR	Kutahya	TUR
19920	103054	PI 342290	H. vulg.	PBSE 2567	TUR	Kutahya	TUR
19921	103055	PI 342291	H. vulg.	PBSE 2568	TUR	Kutahya	TUR
19922	103056	PI 342292	H. vulg.	PBSE 2569	TUR	Kutahya	TUR
19923	103057	PI 342293	H. vulg.	PBSE 2570	TUR	Kutahya	TUR
19924	103058	PI 342294	H. vulg.	PBSE 2571	TUR	Kutahya	TUR
19925	103059	PI 342295	H. vulg.	PBSE 2572	TUR	Kutahya	TUR
19926	103060	PI 342296	H. vulg.	PBSE 2573	TUR	Kutahya	TUR
19927	103061	PI 342297	H. vulg.	PBSE 2574	TUR	Kutahya	TUR
19928	103062	PI 342298	H. vulg.	PBSE 2575	TUR	Kutahya	TUR
19929	103063	PI 342300	H. vulg.	PBSE 2577	TUR	Bilecik	TUR
19930	103064	PI 342301	H. vulg.	PBSE 2578	TUR	Usak	TUR
19931	103065	PI 342302	H. vulg.	PBSE 2579	TUR	Bilecik	TUR
19932	103066	PI 342303	H. vulg.	PBSE 2580	TUR	Bilecik	TUR
19933	103067	PI 342304	H. vulg.	PBSE 2581	TUR	Bilecik	TUR
19934	103068	PI 342305	H. vulg.	PBSE 2582	TUR	Bilecik	TUR
19935	103069	PI 342306	H. vulg.	PBSE 2583	TUR	Bilecik	TUR
19936	103070	PI 342307	H. vulg.	PBSE 2584	TUR	Usak	TUR
19937	103071	PI 342308	H. vulg.	PBSE 2585	TUR	Bilecik	TUR
19938	103072	PI 342309	H. vulg.	PBSE 2586	TUR	Usak	TUR
19939	103073	PI 342310	H. vulg.	PBSE 2587	TUR	Kutahya	TUR
19940	103074	PI 342311	H. vulg.	PBSE 2588	TUR	Usak	TUR
19941	103075	PI 342312	H. vulg.	PBSE 2589	TUR	Kutahya	TUR
19942	103076	PI 342313	H. vulg.	PBSE 2590	TUR	Kutahya	TUR
19943	103077	PI 342314	H. vulg.	PBSE 2591	TUR	Kutahya	TUR
19944	103078	PI 342315	H. vulg.	PBSE 2592	TUR	Kutahya	TUR
19945	103079	PI 342316	H. vulg.	PBSE 2593	TUR	Kutahya	TUR
19946	103080	PI 342317	H. vulg.	PBSE 2594	TUR	Kutahya	TUR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
19947	103081	PI 342318	H. vulg.	PBSE 2595	TUR	Usak	TUR
19948	103082	PI 342319	H. vulg.	PBSE 2596	TUR	Kutahya	TUR
19949	103083	PI 342320	H. vulg.	PBSE 2597	TUR	Kutahya	TUR
19950	103084	PI 342321	H. vulg.	PBSE 2598	TUR	Kutahya	TUR
19951	103085	PI 342322	H. vulg.	PBSE 2599	TUR	Kutahya	TUR
19952	103086	PI 342323	H. vulg.	PBSE 2600	TUR	Kutahya	TUR
19953	103087	PI 342325	H. vulg.	PBSE 2602	TUR	Kutahya	TUR
19954	103088	PI 342326	H. vulg.	PBSE 2603	TUR	Kutahya	TUR
19955	103089	PI 342327	H. vulg.	PBSE 2604	TUR	Kutahya	TUR
19956	103090	PI 342329	H. vulg.	PBSE 2606	TUR	Kutahya	TUR
19957	103091	PI 342330	H. vulg.	PBSE 2607	TUR	Kutahya	TUR
19958	103092	PI 342331	H. vulg.	PBSE 2608	TUR	Kutahya	TUR
19959	103093	PI 342335	H. vulg.	PBSE 2613	TUR	Kutahya	TUR
19960	103094	PI 342337	H. vulg.	PBSE 2615	TUR	Kutahya	TUR
19961	103095	PI 342338	H. vulg.	PBSE 2616	TUR	Kutahya	TUR
19962	103096	PI 342339	H. vulg.	PBSE 2617	TUR	Kutahya	TUR
19963	103097	PI 342342	H. vulg.	PBSE 2620	TUR	Kutahya	TUR
19964	103098	PI 342343	H. vulg.	PBSE 2623	TUR	Bilecik	TUR
19965	103099	PI 342344	H. vulg.	PBSE 2624	TUR	Bilecik	TUR
19966	103100	PI 342346	H. vulg.	PBSE 2626	TUR	Bilecik	TUR
19967	103101	PI 342347	H. vulg.	PBSE 2627	TUR	Bilecik	TUR
19968	103102	PI 342348	H. vulg.	PBSE 2628	TUR	Bilecik	TUR
19969	103103	PI 342349	H. vulg.	PBSE 2629	TUR	Bilecik	TUR
19970	103104	PI 342350	H. vulg.	PBSE 2630	TUR	Bilecik	TUR
19971	103105	PI 342351	H. vulg.	PBSE 2631	TUR	Bilecik	TUR
19972	103106	PI 342353	H. vulg.	PBSE 2633	TUR	Bilecik	TUR
19973	103107	PI 342354	H. vulg.	PBSE 2634	TUR	Bilecik	TUR
19974	103108	PI 342355	H. vulg.	PBSE 2635	TUR	Bilecik	TUR
19975	103109	PI 342356	H. vulg.	PBSE 2636	TUR	Bilecik	TUR
19976	103110	PI 342357	H. vulg.	PBSE 2637	TUR	Eskisehir	TUR
19977	103111	PI 342358	H. vulg.	PBSE 2638	TUR	Bilecik	TUR
19978	103112	PI 342359	H. vulg.	PBSE 2640	TUR	Bilecik	TUR
19979	103113	PI 342360	H. vulg.	PBSE 2641	TUR	Bilecik	TUR
19980	103114	PI 342361	H. vulg.	PBSE 2642	TUR	Bilecik	TUR
19981	103115	PI 342362	H. vulg.	PBSE 2644	TUR	Bilecik	TUR
19982	103116	PI 342363	H. vulg.	PBSE 2645	TUR	Bilecik	TUR
19983	103117	PI 342364	H. vulg.	PBSE 2646	TUR	Bilecik	TUR
19984	103118	PI 342366	H. vulg.	PBSE 2648	TUR	Bilecik	TUR
19985	103119	PI 342367	H. vulg.	PBSE 2650	TUR	Bilecik	TUR
19986	103120	PI 342368	H. vulg.	PBSE 2651	TUR	Bilecik	TUR
19987	103121	PI 342370	H. vulg.	PBSE 2653	TUR	Bilecik	TUR
19988	103122	PI 342371	H. vulg.	PBSE 2654	TUR	Bilecik	TUR
19989	103123	PI 342372	H. vulg.	PBSE 2655	TUR	Bilecik	TUR
19990	103124	PI 342373	H. vulg.	PBSE 2656	TUR	Bilecik	TUR
19991	103125	PI 342375	H. vulg.	PBSE 2658	TUR	Bilecik	TUR
19992	103126	PI 342376	H. vulg.	PBSE 2659	TUR	Bilecik	TUR
19993	103127	PI 342378	H. vulg.	PBSE 2661	TUR	Bilecik	TUR
19994	103128	PI 342380	H. vulg.	PBSE 2663	TUR	Bilecik	TUR
19995	103129	PI 342381	H. vulg.	PBSE 2664	TUR	Bilecik	TUR
19996	103130	PI 342384	H. vulg.	PBSE 2668	TUR	Bilecik	TUR
19997	103131	PI 342386	H. vulg.	PBSE 2670	TUR	Bilecik	TUR
19998	103132	PI 342387	H. vulg.	PBSE 2671	TUR	Bilecik	TUR
19999	103133	PI 342388	H. vulg.	PBSE 2672	TUR	Bilecik	TUR
20000	103134	PI 342389	H. vulg.	PBSE 2673	TUR	Bilecik	TUR
20001	103135	PI 342391	H. vulg.	PBSE 2675	TUR	Bilecik	TUR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
20002	103136	PI 342392	H. vulg.	PBSE 2676	TUR	Bilecik	TUR
20003	103137	PI 342393	H. vulg.	PBSE 2677	TUR	Bilecik	TUR
20004	103138	PI 342395	H. vulg.	PBSE 2680	TUR	Bilecik	TUR
20005	103139	PI 342396	H. vulg.	PBSE 2681	TUR	Bilecik	TUR
20006	103140	PI 342397	H. vulg.	PBSE 2682	TUR	Bilecik	TUR
20007	103141	PI 342398	H. vulg.	PBSE 2683	TUR	Bilecik	TUR
20008	103142	PI 342399	H. vulg.	PBSE 2684	TUR	Bilecik	TUR
20009	103143	PI 342400	H. vulg.	PBSE 2685	TUR	Bilecik	TUR
20010	103144	PI 342401	H. vulg.	PBSE 2686	TUR	Bilecik	TUR
20011	103145	PI 342402	H. vulg.	PBSE 2687	TUR	Eskisehir	TUR
20012	103146	PI 342403	H. vulg.	PBSE 2688	TUR	Eskisehir	TUR
20013	103147	PI 342404	H. vulg.	PBSE 2689	TUR	Eskisehir	TUR
20014	103148	PI 342405	H. vulg.	PBSE 2690	TUR	Eskisehir	TUR
20015	103149	PI 342406	H. vulg.	PBSE 2691	TUR	Eskisehir	TUR
20016	103150	PI 342407	H. vulg.	PBSE 2692	TUR	Eskisehir	TUR
20017	103151	PI 342408	H. vulg.	PBSE 2693	TUR	Eskisehir	TUR
20018	103152	PI 342409	H. vulg.	PBSE 2694	TUR	Eskisehir	TUR
20019	103153	PI 342410	H. vulg.	PBSE 2696	TUR	Eskisehir	TUR
20020	103154	PI 342411	H. vulg.	PBSE 2697	TUR	Eskisehir	TUR
20021	103155	PI 342412	H. vulg.	PBSE 2698	TUR	Eskisehir	TUR
20022	103156	PI 342413	H. vulg.	PBSE 2699	TUR	Eskisehir	TUR
20023	103157	PI 342414	H. vulg.	PBSE 2700	TUR	Eskisehir	TUR
20024	103158	PI 342415	H. vulg.	PBSE 2701	TUR	Eskisehir	TUR
20025	103159	PI 342416	H. vulg.	PBSE 2702	TUR	Eskisehir	TUR
20026	103160	PI 342418	H. vulg.	PBSE 2704	TUR	Eskisehir	TUR
20027	103161	PI 342419	H. vulg.	PBSE 2705	TUR	Eskisehir	TUR
20028	103162	PI 342420	H. vulg.	PBSE 2706	TUR	Eskisehir	TUR
20029	103163	PI 342423	H. vulg.	PBSE 2709	TUR	Eskisehir	TUR
20030	103164	PI 342424	H. vulg.	PBSE 2710	TUR	Eskisehir	TUR
20031	103165	PI 342425	H. vulg.	PBSE 2712	TUR	Eskisehir	TUR
20032	103166	PI 342427	H. vulg.	PBSE 2715	TUR	Eskisehir	TUR
20033	103167	PI 342428	H. vulg.	PBSE 2716	TUR	Eskisehir	TUR
20034	103168	PI 342429	H. vulg.	PBSE 2717	TUR	Eskisehir	TUR
20035	103169	PI 343713	H. vulg.	CGM-No 1	SAU	Riyadh	SAU
20036	103170	PI 343714	H. vulg.	CGM-No 2	SAU	Riyadh	SAU
20037	103171	PI 347245	H. vulg.	UI 265	ETH	Konso	ETH
20038	103172	PI 347246	H. vulg.	UI 266	ETH	Konso	ETH
20039	103173	PI 347247	H. vulg.	UI 287	ETH	Konso	ETH
20040	103174	PI 350707	H. vulg.	SFRZ 69Z 108.171	AUT	Karnteu	CHE
20041	103175	PI 350708	H. vulg.	SFRZ 69Z 108.172	AUT	Karnten	CHE
20042	103176	PI 350709	H. vulg.	SFRZ 69Z 108.173	AUT	Karnten	CHE
20043	103177	PI 350710	H. vulg.	SFRZ 69Z 108.174	AUT	Karnten	CHE
20044	103178	PI 350711	H. vulg.	SFRZ 69Z 108.175	AUT	Karnten	CHE
20045	103179	PI 350712	H. vulg.	SFRZ 69Z 108.176	AUT	Karnten	CHE
20046	103180	PI 350713	H. vulg.	SFRZ 69Z 108.177	AUT	Karnten	CHE
20047	103181	PI 350714	H. vulg.	SFRZ 69Z 108.178	AUT	Karnten	CHE
20048	103182	PI 350715	H. vulg.	SFRZ 69Z 108.179	AUT	Salzburg	CHE
20049	103183	PI 350716	H. vulg.	SFRZ 69Z 108.180	AUT	Salzburg	CHE
20050	103184	PI 350718	H. vulg.	SFRZ 69Z 108.182	AUT	Karnten	CHE
20051	103185	PI 350719	H. vulg.	SFRZ 69Z 108.183	AUT	Salzburg	CHE
20052	103186	PI 350721	H. vulg.	SFRZ 69Z 108.185	AUT	Vorarlberg	CHE
20053	103187	PI 350723	H. vulg.	SFRZ 69Z 108.187	AUT	Tirol	CHE
20054	103188	PI 350725	H. vulg.	SFRZ 69Z 108.189	AUT	Tirol	CHE
20055	103189	PI 350726	H. vulg.	SFRZ 69Z 108.190	AUT	Tirol	CHE
20056	103190	PI 355143	H. vulg.		UNK		IND

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
20057	103191	PI 356019	H. dist.	WPBS 20006	ETH	-	GBR
20058	103192	PI 356020	H. dist.	WPBS 20028	ETH	-	GBR
20059	103193	PI 356021	H. dist.	WPBS 20029	ETH	-	GBR
20060	103194	PI 356022	H. dist.	WPBS 20032	ETH	-	GBR
20061	103195	PI 356023	H. dist.	WPBS 20033	ETH	-	GBR
20062	103196	PI 356024	H. dist.	WPBS 20046	ETH	-	GBR
20063	103197	PI 356025	H. dist.	WPBS 20048	ETH	-	GBR
20064	103198	PI 356026	H. dist.	WPBS 20054	ETH	-	GBR
20065	103199	PI 356027	H. dist.	WPBS 20058	ETH	-	GBR
20066	103200	PI 356028	H. dist.	WPBS 20059	ETH	-	GBR
20067	103201	PI 356029	H. dist.	WPBS 20060	ETH	-	GBR
20068	103202	PI 356030	H. dist.	WPBS 20062	ETH	-	GBR
20069	103203	PI 356031	H. dist.	WPBS 20063	ETH	-	GBR
20070	103204	PI 356032	H. dist.	WPBS 20064	ETH	-	GBR
20071	103205	PI 356033	H. dist.	WPBS 20065	ETH	-	GBR
20072	103206	PI 356034	H. dist.	WPBS 20069	ETH	-	GBR
20073	103207	PI 356035	H. dist.	WPBS 20070	ETH	-	GBR
20074	103208	PI 356036	H. dist.	WPBS 20071	ETH	-	GBR
20075	103209	PI 356037	H. dist.	WPBS 20072	ETH	-	GBR
20076	103210	PI 356038	H. dist.	WPBS 20073	ETH	-	GBR
20077	103211	PI 356039	H. dist.	WPBS 20074	ETH	-	GBR
20078	103212	PI 356040	H. dist.	WPBS 20075	ETH	-	GBR
20079	103213	PI 356041	H. dist.	WPBS 20076	ETH	-	GBR
20080	103214	PI 356042	H. dist.	WPBS 20079	ETH	-	GBR
20081	103215	PI 356043	H. dist.	WPBS 20082	ETH	-	GBR
20082	103216	PI 356044	H. dist.	WPBS 20090	ETH	-	GBR
20083	103217	PI 356045	H. dist.	WPBS 20091	ETH	-	GBR
20084	103218	PI 356046	H. dist.	WPBS 20092	ETH	-	GBR
20085	103219	PI 356047	H. dist.	WPBS 20093	ETH	-	GBR
20086	103220	PI 356049	H. dist.	WPBS 20096	ETH	-	GBR
20087	103221	PI 356050	H. dist.	WPBS 20097	ETH	-	GBR
20088	103222	PI 356051	H. dist.	WPBS 20098	ETH	-	GBR
20089	103223	PI 356052	H. dist.	WPBS 20100	ETH	-	GBR
20090	103224	PI 356053	H. dist.	WPBS 20112	ETH	-	GBR
20091	103225	PI 356055	H. dist.	WPBS 20115	ETH	-	GBR
20092	103226	PI 356056	H. dist.	WPBS 20116	ETH	-	GBR
20093	103227	PI 356057	H. dist.	WPBS 20117	ETH	-	GBR
20094	103228	PI 356058	H. dist.	WPBS 20118	ETH	-	GBR
20095	103229	PI 356059	H. dist.	WPBS 20119	ETH	-	GBR
20096	103230	PI 356060	H. dist.	WPBS 20120	ETH	-	GBR
20097	103231	PI 356062	H. dist.	WPBS 20122	ETH	-	GBR
20098	103232	PI 356063	H. dist.	WPBS 20123	ETH	-	GBR
20099	103233	PI 356064	H. dist.	WPBS 20124	ETH	-	GBR
20100	103234	PI 356065	H. dist.	WPBS 20125	ETH	-	GBR
20101	103235	PI 356066	H. dist.	WPBS 20127	ETH	-	GBR
20102	103236	PI 356067	H. dist.	WPBS 20128	ETH	-	GBR
20103	103237	PI 356068	H. dist.	WPBS 20130	ETH	-	GBR
20104	103238	PI 356069	H. dist.	WPBS 20131	ETH	-	GBR
20105	103239	PI 356070	H. dist.	WPBS 20134	ETH	-	GBR
20106	103240	PI 356071	H. dist.	WPBS 20135	ETH	-	GBR
20107	103241	PI 356072	H. dist.	WPBS 20137	ETH	-	GBR
20108	103242	PI 356073	H. dist.	WPBS 20140	ETH	-	GBR
20109	103243	PI 356074	H. dist.	WPBS 20141	ETH	-	GBR
20110	103244	PI 356075	H. dist.	WPBS 20143	ETH	-	GBR
20111	103245	PI 356076	H. dist.	WPBS 20144	ETH	-	GBR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
20112	103246	PI 356077	H. dist.	WPBS 20145	ETH	-	GBR
20113	103247	PI 356078	H. dist.	WPBS 20146	ETH	-	GBR
20114	103248	PI 356079	H. dist.	WPBS 20154	ETH	-	GBR
20115	103249	PI 356080	H. dist.	WPBS 20155	ETH	-	GBR
20116	103250	PI 356081	H. dist.	WPBS 20157	ETH	-	GBR
20117	103251	PI 356082	H. dist.	WPBS 20158	ETH	-	GBR
20118	103252	PI 356083	H. dist.	WPBS 20159	ETH	-	GBR
20119	103253	PI 356084	H. dist.	WPBS 20163	ETH	-	GBR
20120	103254	PI 356085	H. dist.	WPBS 20164	ETH	-	GBR
20121	103255	PI 356086	H. dist.	WPBS 20165	ETH	-	GBR
20122	103256	PI 356087	H. dist.	WPBS 20166	ETH	-	GBR
20123	103257	PI 356088	H. dist.	WPBS 20167	ETH	-	GBR
20124	103258	PI 356089	H. dist.	WPBS 20168	ETH	-	GBR
20125	103259	PI 356090	H. dist.	WPBS 20169	ETH	-	GBR
20126	103260	PI 356091	H. dist.	WPBS 20170	ETH	-	GBR
20127	103261	PI 356092	H. dist.	WPBS 20172	ETH	-	GBR
20128	103262	PI 356093	H. dist.	WPBS 20173	ETH	-	GBR
20129	103263	PI 356094	H. dist.	WPBS 20174	ETH	-	GBR
20130	103264	PI 356095	H. dist.	WPBS 20175	ETH	-	GBR
20131	103265	PI 356096	H. dist.	WPBS 20176	ETH	-	GBR
20132	103266	PI 356097	H. dist.	WPBS 20177	ETH	-	GBR
20133	103267	PI 356098	H. dist.	WPBS 20178	ETH	-	GBR
20134	103268	PI 356099	H. dist.	WPBS 20179	ETH	-	GBR
20135	103269	PI 356100	H. dist.	WPBS 20180	ETH	-	GBR
20136	103270	PI 356101	H. dist.	WPBS 20181	ETH	-	GBR
20137	103271	PI 356102	H. dist.	WPBS 20182	ETH	-	GBR
20138	103272	PI 356103	H. dist.	WPBS 20183	ETH	-	GBR
20139	103273	PI 356104	H. dist.	WPBS 20184	ETH	-	GBR
20140	103274	PI 356105	H. dist.	WPBS 20185	ETH	-	GBR
20141	103275	PI 356106	H. dist.	WPBS 20186	ETH	-	GBR
20142	103276	PI 356107	H. dist.	WPBS 20212	ETH	-	GBR
20143	103277	PI 356108	H. dist.	WPBS 20214	ETH	-	GBR
20144	103278	PI 356109	H. dist.	WPBS 20218	ETH	-	GBR
20145	103279	PI 356110	H. dist.	WPBS 20220	ETH	-	GBR
20146	103280	PI 356111	H. dist.	WPBS 20221	ETH	-	GBR
20147	103281	PI 356112	H. dist.	WPBS 20222	ETH	-	GBR
20148	103282	PI 356114	H. dist.	WPBS 20225	ETH	-	GBR
20149	103283	PI 356115	H. dist.	WPBS 20242	ETH	-	GBR
20150	103284	PI 356116	H. dist.	WPBS 20243	ETH	-	GBR
20151	103285	PI 356117	H. dist.	WPBS 20244	ETH	-	GBR
20152	103286	PI 356118	H. dist.	WPBS 20245	ETH	-	GBR
20153	103287	PI 356119	H. dist.	WPBS 20246	ETH	-	GBR
20154	103288	PI 356120	H. dist.	WPBS 20257	ETH	-	GBR
20155	103289	PI 356121	H. dist.	WPBS 20287	ETH	-	GBR
20156	103290	PI 356122	H. dist.	WPBS 20289	ETH	-	GBR
20157	103291	PI 356123	H. dist.	WPBS 20290	ETH	-	GBR
20158	103292	PI 356125	H. dist.	WPBS 20292	ETH	-	GBR
20159	103293	PI 356126	H. dist.	WPBS 20293	ETH	-	GBR
20160	103294	PI 356127	H. dist.	WPBS 20297	ETH	-	GBR
20161	103295	PI 356128	H. dist.	WPBS 20299	ETH	-	GBR
20162	103296	PI 356129	H. dist.	WPBS 20301	ETH	-	GBR
20163	103297	PI 356131	H. dist.	WPBS 20303	ETH	-	GBR
20164	103298	PI 356132	H. dist.	WPBS 20306	ETH	-	GBR
20165	103299	PI 356133	H. dist.	WPBS 20307	ETH	-	GBR
20166	103300	PI 356134	H. dist.	WPBS 20309	ETH	-	GBR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
20167	103301	PI 356135	H. dist.	WPBS 20310	ETH	-	GBR
20168	103302	PI 356136	H. dist.	WPBS 20312	ETH	-	GBR
20169	103303	PI 356138	H. dist.	WPBS 20315	ETH	-	GBR
20170	103304	PI 356139	H. dist.	WPBS 20316	ETH	-	GBR
20171	103305	PI 356140	H. dist.	WPBS 20317	ETH	-	GBR
20172	103306	PI 356141	H. dist.	WPBS 20327	ETH	-	GBR
20173	103307	PI 356142	H. dist.	WPBS 20328	ETH	-	GBR
20174	103308	PI 356143	H. dist.	WPBS 20329	ETH	-	GBR
20175	103309	PI 356144	H. dist.	WPBS 20332	ETH	-	GBR
20176	103310	PI 356145	H. dist.	WPBS 20336	ETH	-	GBR
20177	103311	PI 356146	H. dist.	WPBS 20338	ETH	-	GBR
20178	103312	PI 356147	H. dist.	WPBS 20340	ETH	-	GBR
20179	103313	PI 356148	H. dist.	WPBS 20341	ETH	-	GBR
20180	103314	PI 356149	H. dist.	WPBS 20344	ETH	-	GBR
20182	103315	PI 356150	H. dist.	WPBS 20353	ETH	-	GBR
20183	103316	PI 356151	H. dist.	WPBS 20357	ETH	-	GBR
20184	103317	PI 356152	H. dist.	WPBS 20362	ETH	-	GBR
20185	103318	PI 356153	H. dist.	WPBS 20368	ETH	-	GBR
20186	103319	PI 356154	H. dist.	WPBS 20376	ETH	-	GBR
20187	103320	PI 356155	H. dist.	WPBS 20380	ETH	-	GBR
20188	103321	PI 356156	H. dist.	WPBS 20381	ETH	-	GBR
20189	103322	PI 356157	H. dist.	WPBS 20385	ETH	-	GBR
20190	103323	PI 356158	H. dist.	WPBS 20386	ETH	-	GBR
20191	103324	PI 356159	H. dist.	WPBS 20387	ETH	-	GBR
20192	103325	PI 356163	H. dist.	WPBS 20391	ETH	-	GBR
20193	103326	PI 356164	H. dist.	WPBS 20393	ETH	-	GBR
20194	103327	PI 356165	H. dist.	WPBS 20401	ETH	-	GBR
20195	103328	PI 356166	H. dist.	WPBS 20404	ETH	-	GBR
20196	103329	PI 356167	H. dist.	WPBS 20408	ETH	-	GBR
20197	103330	PI 356168	H. dist.	WPBS 20409	ETH	-	GBR
20198	103331	PI 356169	H. dist.	WPBS 20410	ETH	-	GBR
20199	103332	PI 356170	H. dist.	WPBS 20412	ETH	-	GBR
20200	103333	PI 356171	H. dist.	WPBS 20414	ETH	-	GBR
20201	103334	PI 356172	H. dist.	WPBS 20417	ETH	-	GBR
20202	103335	PI 356173	H. dist.	WPBS 20418	ETH	-	GBR
20203	103336	PI 356174	H. dist.	WPBS 20419	ETH	-	GBR
20204	103337	PI 356176	H. dist.	WPBS 20421	ETH	-	GBR
20205	103338	PI 356177	H. dist.	WPBS 20422	ETH	-	GBR
20206	103339	PI 356178	H. dist.	WPBS 20428	ETH	-	GBR
20207	103340	PI 356179	H. dist.	WPBS 20430	ETH	-	GBR
20208	103341	PI 356180	H. dist.	WPBS 20432	ETH	-	GBR
20209	103342	PI 356181	H. dist.	WPBS 20442	ETH	-	GBR
20210	103343	PI 356183	H. dist.	WPBS 20486	ETH	-	GBR
20211	103344	PI 356184	H. dist.	WPBS 20499	ETH	-	GBR
20212	103345	PI 356185	H. dist.	WPBS 20500	ETH	-	GBR
20213	103346	PI 356186	H. dist.	WPBS 20503	ETH	-	GBR
20214	103347	PI 356187	H. dist.	WPBS 20505	ETH	-	GBR
20215	103348	PI 356188	H. dist.	WPBS 20506	ETH	-	GBR
20216	103349	PI 356189	H. dist.	WPBS 20509	ETH	-	GBR
20217	103350	PI 356190	H. dist.	WPBS 20511	ETH	-	GBR
20218	103351	PI 356191	H. dist.	WPBS 20517	ETH	-	GBR
20219	103352	PI 356192	H. dist.	WPBS 20519	ETH	-	GBR
20220	103353	PI 356193	H. dist.	WPBS 20520	ETH	-	GBR
20221	103354	PI 356194	H. dist.	WPBS 20521	ETH	-	GBR
20222	103355	PI 356195	H. dist.	WPBS 20523	ETH	-	GBR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
20223	103356	PI 356196	H. dist.	WPBS 20524	ETH	-	GBR
20224	103357	PI 356197	H. dist.	WPBS 20527	ETH	-	GBR
20225	103358	PI 356198	H. dist.	WPBS 20528	ETH	-	GBR
20226	103359	PI 356199	H. dist.	WPBS 20531	ETH	-	GBR
20227	103360	PI 356200	H. dist.	WPBS 20532	ETH	-	GBR
20228	103361	PI 356201	H. dist.	WPBS 20533	ETH	-	GBR
20229	103362	PI 356202	H. dist.	WPBS 20534	ETH	-	GBR
20230	103363	PI 356203	H. dist.	WPBS 20535	ETH	-	GBR
20231	103364	PI 356204	H. dist.	WPBS 20551	ETH	-	GBR
20231	103365	PI 356205	H. dist.	WPBS 20552	ETH	-	GBR
20232	103366	PI 356207	H. dist.	WPBS 20556	ETH	-	GBR
20233	103367	PI 356209	H. dist.	WPBS 20559	ETH	-	GBR
20234	103368	PI 356210	H. dist.	WPBS 20588	ETH	-	GBR
20235	103369	PI 356211	H. dist.	WPBS 20596	ETH	-	GBR
20236	103370	PI 356212	H. dist.	WPBS 20616	ETH	-	GBR
20237	103371	PI 356213	H. dist.	WPBS 20617	ETH	-	GBR
20238	103372	PI 356217	H. dist.	WPBS 20621	ETH	-	GBR
20239	103373	PI 356219	H. dist.	WPBS 20639	ETH	-	GBR
20240	103374	PI 356220	H. dist.	WPBS 20640	ETH	-	GBR
20241	103375	PI 356222	H. dist.	WPBS 20641	ETH	-	GBR
20242	103376	PI 356223	H. dist.	WPBS 20643	ETH	-	GBR
20243	103377	PI 356224	H. dist.	WPBS 20644	ETH	-	GBR
20244	103378	PI 356225	H. dist.	WPBS 20675	MAR	-	GBR
20245	103379	PI 356226	H. dist.	WPBS 20676	MAR	-	GBR
20246	103380	PI 356227	H. dist.	WPBS 20677	MAR	-	GBR
20247	103381	PI 356228	H. dist.	WPBS 20678	MAR	-	GBR
20248	103382	PI 356229	H. dist.	WPBS 20679	MAR	-	GBR
20249	103383	PI 356230	H. dist.	WPBS 20680	MAR	-	GBR
20250	103384	PI 356231	H. dist.	WPBS 20696	MAR	-	GBR
20251	103385	PI 356232	H. dist.	WPBS 20794	UNK	-	GBR
20252	103386	PI 356233	H. vulg.	WPBS 20001	ETH	-	GBR
20253	103387	PI 356234	H. vulg.	WPBS 20002	ETH	-	GBR
20254	103388	PI 356235	H. vulg.	WPBS 20003	ETH	-	GBR
20255	103389	PI 356236	H. vulg.	WPBS 20004	ETH	-	GBR
20256	103390	PI 356238	H. vulg.	WPBS 20007	ETH	-	GBR
20257	103391	PI 356239	H. vulg.	WPBS 20008	ETH	-	GBR
20258	103392	PI 356240	H. vulg.	WPBS 20009	ETH	-	GBR
20259	103393	PI 356241	H. vulg.	WPBS 20010	ETH	-	GBR
20260	103394	PI 356242	H. vulg.	WPBS 20011	ETH	-	GBR
20261	103395	PI 356243	H. vulg.	WPBS 20012	ETH	-	GBR
20262	103396	PI 356244	H. vulg.	WPBS 20013	ETH	-	GBR
20263	103397	PI 356245	H. vulg.	WPBS 20014	ETH	-	GBR
20264	103398	PI 356246	H. vulg.	WPBS 20015	ETH	-	GBR
20265	103399	PI 356247	H. vulg.	WPBS 20016	ETH	-	GBR
20266	103400	PI 356248	H. vulg.	WPBS 20017	ETH	-	GBR
20267	103401	PI 356249	H. vulg.	WPBS 20018	ETH	-	GBR
20268	103402	PI 356250	H. vulg.	WPBS 20019	ETH	-	GBR
20269	103403	PI 356251	H. vulg.	WPBS 20020	ETH	-	GBR
20270	103404	PI 356252	H. vulg.	WPBS 20021	ETH	-	GBR
20271	103405	PI 356253	H. vulg.	WPBS 20022	ETH	-	GBR
20272	103406	PI 356254	H. vulg.	WPBS 20023	ETH	-	GBR
20273	103407	PI 356255	H. vulg.	WPBS 20024	ETH	-	GBR
20274	103408	PI 356256	H. vulg.	WPBS 20025	ETH	-	GBR
20275	103409	PI 356257	H. vulg.	WPBS 20026	ETH	-	GBR
20276	103410	PI 356258	H. vulg.	WPBS 20027	ETH	-	GBR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
20277	103411	PI 356259	H. vulg.	WPBS 20030	ETH	-	GBR
20278	103412	PI 356261	H. vulg.	WPBS 20034	ETH	-	GBR
20279	103413	PI 356262	H. vulg.	WPBS 20035	ETH	-	GBR
20280	103414	PI 356263	H. vulg.	WPBS 20036	ETH	-	GBR
20281	103415	PI 356264	H. vulg.	WPBS 20037	ETH	-	GBR
20282	103416	PI 356265	H. vulg.	WPBS 20038	ETH	-	GBR
20283	103417	PI 356266	H. vulg.	WPBS 20039	ETH	-	GBR
20284	103418	PI 356267	H. vulg.	WPBS 20040	ETH	-	GBR
20285	103419	PI 356268	H. vulg.	WPBS 20041	ETH	-	GBR
20286	103420	PI 356269	H. vulg.	WPBS 20042	ETH	-	GBR
20287	103421	PI 356270	H. vulg.	WPBS 20043	ETH	-	GBR
20288	103422	PI 356271	H. vulg.	WPBS 20044	ETH	-	GBR
20289	103423	PI 356272	H. vulg.	WPBS 20045	ETH	-	GBR
20290	103424	PI 356273	H. vulg.	WPBS 20047	ETH	-	GBR
20291	103425	PI 356274	H. vulg.	WPBS 20049	ETH	-	GBR
20292	103426	PI 356275	H. vulg.	WPBS 20050	ETH	-	GBR
20293	103427	PI 356276	H. vulg.	WPBS 20051	ETH	-	GBR
20294	103428	PI 356277	H. vulg.	WPBS 20052	ETH	-	GBR
20295	103429	PI 356279	H. vulg.	WPBS 20055	ETH	-	GBR
20296	103430	PI 356280	H. vulg.	WPBS 20056	ETH	-	GBR
20297	103431	PI 356281	H. vulg.	WPBS 20057	ETH	-	GBR
20298	103432	PI 356282	H. vulg.	WPBS 20061	ETH	-	GBR
20299	103433	PI 356283	H. vulg.	WPBS 20066	ETH	-	GBR
20300	103434	PI 356284	H. vulg.	WPBS 20067	ETH	-	GBR
20301	103435	PI 356285	H. vulg.	WPBS 20068	ETH	-	GBR
20302	103436	PI 356286	H. vulg.	WPBS 20077	ETH	-	GBR
20303	103437	PI 356287	H. vulg.	WPBS 20078	ETH	-	GBR
20304	103438	PI 356288	H. vulg.	WPBS 20080	ETH	-	GBR
20305	103439	PI 356289	H. vulg.	WPBS 20081	ETH	-	GBR
20306	103440	PI 356290	H. vulg.	WPBS 20083	ETH	-	GBR
20307	103441	PI 356291	H. vulg.	WPBS 20084	ETH	-	GBR
20308	103442	PI 356292	H. vulg.	WPBS 20085	ETH	-	GBR
20309	103443	PI 356293	H. vulg.	WPBS 20086	ETH	-	GBR
20310	103444	PI 356294	H. vulg.	WPBS 20087	ETH	-	GBR
20311	103445	PI 356295	H. vulg.	WPBS 20088	ETH	-	GBR
20312	103446	PI 356296	H. vulg.	WPBS 20089	ETH	-	GBR
20313	103447	PI 356297	H. vulg.	WPBS 20094	ETH	-	GBR
20314	103448	PI 356298	H. vulg.	WPBS 20099	ETH	-	GBR
20315	103449	PI 356299	H. vulg.	WPBS 20101	ETH	-	GBR
20316	103450	PI 356300	H. vulg.	WPBS 20102	ETH	-	GBR
20317	103451	PI 356301	H. vulg.	WPBS 20103	ETH	-	GBR
20318	103452	PI 356302	H. vulg.	WPBS 20104	ETH	-	GBR
20319	103453	PI 356304	H. vulg.	WPBS 20106	ETH	-	GBR
20320	103454	PI 356305	H. vulg.	WPBS 20107	ETH	-	GBR
20321	103455	PI 356306	H. vulg.	WPBS 20108	ETH	-	GBR
20322	103456	PI 356307	H. vulg.	WPBS 20109	ETH	-	GBR
20323	103457	PI 356308	H. vulg.	WPBS 20110	ETH	-	GBR
20324	103458	PI 356310	H. vulg.	WPBS 20113	ETH	-	GBR
20325	103459	PI 356311	H. vulg.	WPBS 20126	ETH	-	GBR
20326	103460	PI 356312	H. vulg.	WPBS 20129	ETH	-	GBR
20327	103461	PI 356313	H. vulg.	WPBS 20132	ETH	-	GBR
20328	103462	PI 356314	H. vulg.	WPBS 20133	ETH	-	GBR
20329	103463	PI 356315	H. vulg.	WPBS 20136	ETH	-	GBR
20330	103464	PI 356316	H. vulg.	WPBS 20138	ETH	-	GBR
20331	103465	PI 356317	H. vulg.	WPBS 20139	ETH	-	GBR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
20332	103466	PI 356318	H. vulg.	WPBS 20142	ETH	-	GBR
20333	103467	PI 356319	H. vulg.	WPBS 20147	ETH	-	GBR
20334	103468	PI 356320	H. vulg.	WPBS 20148	ETH	-	GBR
20335	103469	PI 356321	H. vulg.	WPBS 20149	ETH	-	GBR
20336	103470	PI 356322	H. vulg.	WPBS 20150	ETH	-	GBR
20337	103471	PI 356323	H. vulg.	WPBS 20151	ETH	-	GBR
20338	103472	PI 356324	H. vulg.	WPBS 20152	ETH	-	GBR
20339	103473	PI 356325	H. vulg.	WPBS 20153	ETH	-	GBR
20340	103474	PI 356326	H. vulg.	WPBS 20156	ETH	-	GBR
20341	103475	PI 356327	H. vulg.	WPBS 20160	ETH	-	GBR
20342	103476	PI 356328	H. vulg.	WPBS 20161	ETH	-	GBR
20343	103477	PI 356329	H. vulg.	WPBS 20162	ETH	-	GBR
20344	103478	PI 356330	H. vulg.	WPBS 20187	ETH	-	GBR
20345	103479	PI 356331	H. vulg.	WPBS 20188	ETH	-	GBR
20346	103480	PI 356332	H. vulg.	WPBS 20189	ETH	-	GBR
20347	103481	PI 356333	H. vulg.	WPBS 20190	ETH	-	GBR
20348	103482	PI 356334	H. vulg.	WPBS 20191	ETH	-	GBR
20349	103483	PI 356335	H. vulg.	WPBS 20192	ETH	-	GBR
20350	103484	PI 356336	H. vulg.	WPBS 20193	ETH	-	GBR
20351	103485	PI 356337	H. vulg.	WPBS 20194	ETH	-	GBR
20352	103486	PI 356338	H. vulg.	WPBS 20195	ETH	-	GBR
20353	103487	PI 356339	H. vulg.	WPBS 20196	ETH	-	GBR
20354	103488	PI 356340	H. vulg.	WPBS 20197	ETH	-	GBR
20355	103489	PI 356341	H. vulg.	WPBS 20198	ETH	-	GBR
20356	103490	PI 356342	H. vulg.	WPBS 20199	ETH	-	GBR
20357	103491	PI 356343	H. vulg.	WPBS 20200	ETH	-	GBR
20358	103492	PI 356344	H. vulg.	WPBS 20201	ETH	-	GBR
20359	103493	PI 356345	H. vulg.	WPBS 20202	ETH	-	GBR
20360	103494	PI 356346	H. vulg.	WPBS 20203	ETH	-	GBR
20361	103495	PI 356347	H. vulg.	WPBS 20204	ETH	-	GBR
20362	103496	PI 356348	H. vulg.	WPBS 20205	ETH	-	GBR
20363	103497	PI 356349	H. vulg.	WPBS 20206	ETH	-	GBR
20364	103498	PI 356350	H. vulg.	WPBS 20207	ETH	-	GBR
20365	103499	PI 356351	H. vulg.	WPBS 20208	ETH	-	GBR
20366	103500	PI 356352	H. vulg.	WPBS 20209	ETH	-	GBR
20367	103501	PI 356353	H. vulg.	WPBS 20210	ETH	-	GBR
20368	103502	PI 356354	H. vulg.	WPBS 20211	ETH	-	GBR
20369	103503	PI 356355	H. vulg.	WPBS 20213	ETH	-	GBR
20370	103504	PI 356356	H. vulg.	WPBS 20215	ETH	-	GBR
20371	103505	PI 356357	H. vulg.	WPBS 20216	ETH	-	GBR
20372	103506	PI 356358	H. vulg.	WPBS 20217	ETH	-	GBR
20373	103507	PI 356359	H. vulg.	WPBS 20219	ETH	-	GBR
20374	103508	PI 356360	H. vulg.	WPBS 20224	ETH	-	GBR
20375	103509	PI 356361	H. vulg.	WPBS 20226	ETH	-	GBR
20376	103510	PI 356362	H. vulg.	WPBS 20227	ETH	-	GBR
20377	103511	PI 356363	H. vulg.	WPBS 20228	ETH	-	GBR
20378	103512	PI 356364	H. vulg.	WPBS 20229	ETH	-	GBR
20379	103513	PI 356365	H. vulg.	WPBS 20230	ETH	-	GBR
20380	103514	PI 356366	H. vulg.	WPBS 20231	ETH	-	GBR
20381	103515	PI 356367	H. vulg.	WPBS 20232	ETH	-	GBR
20382	103516	PI 356368	H. vulg.	WPBS 20233	ETH	-	GBR
20383	103517	PI 356369	H. vulg.	WPBS 20234	ETH	-	GBR
20384	103518	PI 356370	H. vulg.	WPBS 20235	ETH	-	GBR
20385	103519	PI 356371	H. vulg.	WPBS 20236	ETH	-	GBR
20386	103520	PI 356372	H. vulg.	WPBS 20237	ETH	-	GBR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
20387	103521	PI 356375	H. vulg.	WPBS 20240	ETH	-	GBR
20388	103522	PI 356376	H. vulg.	WPBS 20241	ETH	-	GBR
20389	103523	PI 356377	H. vulg.	WPBS 20247	ETH	-	GBR
20390	103524	PI 356378	H. vulg.	WPBS 20248	ETH	-	GBR
20391	103525	PI 356379	H. vulg.	WPBS 20249	ETH	-	GBR
20392	103526	PI 356380	H. vulg.	WPBS 20250	ETH	-	GBR
20393	103527	PI 356381	H. vulg.	WPBS 20251	ETH	-	GBR
20394	103528	PI 356382	H. vulg.	WPBS 20252	ETH	-	GBR
20395	103529	PI 356383	H. vulg.	WPBS 20253	ETH	-	GBR
20396	103530	PI 356384	H. vulg.	WPBS 20254	ETH	-	GBR
20397	103531	PI 356386	H. vulg.	WPBS 20256	ETH	-	GBR
20398	103532	PI 356387	H. vulg.	WPBS 20258	ETH	-	GBR
20399	103533	PI 356388	H. vulg.	WPBS 20259	ETH	-	GBR
20400	103534	PI 356389	H. vulg.	WPBS 20260	ETH	-	GBR
20404	103535	PI 356391	H. vulg.	WPBS 20262	ETH	-	GBR
20402	103536	PI 356392	H. vulg.	WPBS 20263	ETH	-	GBR
20403	103537	PI 356393	H. vulg.	WPBS 20264	ETH	-	GBR
20404	103538	PI 356394	H. vulg.	WPBS 20265	ETH	-	GBR
20405	103539	PI 356398	H. vulg.	WPBS 20269	ETH	-	GBR
20406	103540	PI 356399	H. vulg.	WPBS 20270	ETH	-	GBR
20407	103541	PI 356400	H. vulg.	WPBS 20271	ETH	-	GBR
20408	103542	PI 356401	H. vulg.	WPBS 20272	ETH	-	GBR
20409	103543	PI 356402	H. vulg.	WPBS 20273	ETH	-	GBR
20410	103544	PI 356403	H. vulg.	WPBS 20274	ETH	-	GBR
20411	103545	PI 356404	H. vulg.	WPBS 20275	ETH	-	GBR
20412	103546	PI 356405	H. vulg.	WPBS 20276	ETH	-	GBR
20413	103547	PI 356406	H. vulg.	WPBS 20277	ETH	-	GBR
20414	103548	PI 356407	H. vulg.	WPBS 20278	ETH	-	GBR
20415	103549	PI 356408	H. vulg.	WPBS 20279	ETH	-	GBR
20416	103550	PI 356409	H. vulg.	WPBS 20280	ETH	-	GBR
20417	103551	PI 356410	H. vulg.	WPBS 20281	ETH	-	GBR
20418	103552	PI 356411	H. vulg.	WPBS 20282	ETH	-	GBR
20419	103553	PI 356412	H. vulg.	WPBS 20283	ETH	-	GBR
20420	103554	PI 356413	H. vulg.	WPBS 20284	ETH	-	GBR
20421	103555	PI 356414	H. vulg.	WPBS 20285	ETH	-	GBR
20422	103556	PI 356415	H. vulg.	WPBS 20286	ETH	-	GBR
20423	103557	PI 356417	H. vulg.	WPBS 20294	ETH	-	GBR
20424	103558	PI 356418	H. vulg.	WPBS 20297	ETH	-	GBR
20425	103559	PI 356420	H. vulg.	WPBS 20298	ETH	-	GBR
20426	103560	PI 356421	H. vulg.	WPBS 20300	ETH	-	GBR
20427	103561	PI 356422	H. vulg.	WPBS 20304	ETH	-	GBR
20428	103562	PI 356423	H. vulg.	WPBS 20305	ETH	-	GBR
20429	103563	PI 356424	H. vulg.	WPBS 20308	ETH	-	GBR
20430	103564	PI 356425	H. vulg.	WPBS 20311	ETH	-	GBR
20431	103565	PI 356426	H. vulg.	WPBS 20313	ETH	-	GBR
20432	103566	PI 356427	H. vulg.	WPBS 20318	ETH	-	GBR
20433	103567	PI 356428	H. vulg.	WPBS 20319	ETH	-	GBR
20434	103568	PI 356429	H. vulg.	WPBS 20320	ETH	-	GBR
20435	103569	PI 356430	H. vulg.	WPBS 20321	ETH	-	GBR
20436	103570	PI 356431	H. vulg.	WPBS 20322	ETH	-	GBR
20437	103571	PI 356432	H. vulg.	WPBS 20323	ETH	-	GBR
20438	103572	PI 356433	H. vulg.	WPBS 20324	ETH	-	GBR
20439	103573	PI 356434	H. vulg.	WPBS 20325	ETH	-	GBR
20440	103574	PI 356435	H. vulg.	WPBS 20326	ETH	-	GBR
20441	103575	PI 356436	H. vulg.	WPBS 20330	ETH	-	GBR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
20442	103576	PI 356437	H. vulg.	WPBS 20331	ETH	-	GBR
20443	103577	PI 356438	H. vulg.	WPBS 20333	ETH	-	GBR
20444	103578	PI 356439	H. vulg.	WPBS 20334	ETH	-	GBR
20445	103579	PI 356440	H. vulg.	WPBS 20335	ETH	-	GBR
20446	103580	PI 356441	H. vulg.	WPBS 20337	ETH	-	GBR
20447	103581	PI 356442	H. vulg.	WPBS 20339	ETH	-	GBR
20448	103582	PI 356443	H. vulg.	WPBS 20342	ETH	-	GBR
20449	103583	PI 356445	H. vulg.	WPBS 20345	ETH	-	GBR
20450	103584	PI 356446	H. vulg.	WPBS 20346	ETH	-	GBR
20451	103585	PI 356447	H. vulg.	WPBS 20347	ETH	-	GBR
20452	103586	PI 356448	H. vulg.	WPBS 20348	ETH	-	GBR
20453	103587	PI 356449	H. vulg.	WPBS 20349	ETH	-	GBR
20454	103588	PI 356452	H. vulg.	WPBS 20352	ETH	-	GBR
20455	103589	PI 356453	H. vulg.	WPBS 20354	ETH	-	GBR
20456	103590	PI 356454	H. vulg.	WPBS 20355	ETH	-	GBR
20457	103591	PI 356455	H. vulg.	WPBS 20356	ETH	-	GBR
20458	103592	PI 356456	H. vulg.	WPBS 20358	ETH	-	GBR
20459	103593	PI 356457	H. vulg.	WPBS 20359	ETH	-	GBR
20460	103594	PI 356458	H. vulg.	WPBS 20360	ETH	-	GBR
20461	103595	PI 356459	H. vulg.	WPBS 20361	ETH	-	GBR
20462	103596	PI 356460	H. vulg.	WPBS 20363	ETH	-	GBR
20463	103597	PI 356461	H. vulg.	WPBS 20364	ETH	-	GBR
20464	103598	PI 356462	H. vulg.	WPBS 20365	ETH	-	GBR
20465	103599	PI 356463	H. vulg.	WPBS 20366	ETH	-	GBR
20466	103600	PI 356465	H. vulg.	WPBS 20369	ETH	-	GBR
20467	103601	PI 356466	H. vulg.	WPBS 20370	ETH	-	GBR
20468	103602	PI 356467	H. vulg.	WPBS 20371	ETH	-	GBR
20469	103603	PI 356468	H. vulg.	WPBS 20372	ETH	-	GBR
20470	103604	PI 356469	H. vulg.	WPBS 20373	ETH	-	GBR
20471	103605	PI 356470	H. vulg.	WPBS 20374	ETH	-	GBR
20472	103606	PI 356471	H. vulg.	WPBS 20375	ETH	-	GBR
20473	103607	PI 356472	H. vulg.	WPBS 20377	ETH	-	GBR
20474	103608	PI 356473	H. vulg.	WPBS 20378	ETH	-	GBR
20475	103609	PI 356474	H. vulg.	WPBS 20379	ETH	-	GBR
20476	103610	PI 356475	H. vulg.	WPBS 20382	ETH	-	GBR
20477	103611	PI 356476	H. vulg.	WPBS 20383	ETH	-	GBR
20478	103612	PI 356477	H. vulg.	WPBS 20384	ETH	-	GBR
20479	103613	PI 356478	H. vulg.	WPBS 20392	ETH	-	GBR
20480	103614	PI 356479	H. vulg.	WPBS 20394	ETH	-	GBR
20481	103615	PI 356482	H. vulg.	WPBS 20397	ETH	-	GBR
20482	103616	PI 356483	H. vulg.	WPBS 20398	ETH	-	GBR
20483	103617	PI 356484	H. vulg.	WPBS 20399	ETH	-	GBR
20484	103618	PI 356485	H. vulg.	WPBS 20400	ETH	-	GBR
20485	103619	PI 356486	H. vulg.	WPBS 20402	ETH	-	GBR
20486	103620	PI 356487	H. vulg.	WPBS 20403	ETH	-	GBR
20487	103621	PI 356488	H. vulg.	WPBS 20405	ETH	-	GBR
20488	103622	PI 356489	H. vulg.	WPBS 20406	ETH	-	GBR
20489	103623	PI 356490	H. vulg.	WPBS 20407	ETH	-	GBR
20490	103624	PI 356491	H. vulg.	WPBS 20411	ETH	-	GBR
20491	103625	PI 356492	H. vulg.	WPBS 20413	ETH	-	GBR
20492	103626	PI 356493	H. vulg.	WPBS 20415	ETH	-	GBR
20493	103627	PI 356494	H. vulg.	WPBS 20416	ETH	-	GBR
20494	103628	PI 356495	H. vulg.	WPBS 20423	ETH	-	GBR
20495	103629	PI 356496	H. vulg.	WPBS 20424	ETH	-	GBR
20496	103630	PI 356497	H. vulg.	WPBS 20425	ETH	-	GBR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
20497	103631	PI 356499	H. vulg.	WPBS 20429	ETH	-	GBR
20498	103632	PI 356500	H. vulg.	WPBS 20431	ETH	-	GBR
20499	103633	PI 356501	H. vulg.	WPBS 20433	ETH	-	GBR
20500	103634	PI 356502	H. vulg.	WPBS 20434	ETH	-	GBR
20501	103635	PI 356503	H. vulg.	WPBS 20435	ETH	-	GBR
20502	103636	PI 356504	H. vulg.	WPBS 20436	ETH	-	GBR
20503	103637	PI 356505	H. vulg.	WPBS 20437	ETH	-	GBR
20504	103638	PI 356506	H. vulg.	WPBS 20438	ETH	-	GBR
20505	103639	PI 356507	H. vulg.	WPBS 20439	ETH	-	GBR
20506	103640	PI 356509	H. vulg.	WPBS 20441	ETH	-	GBR
20507	103641	PI 356511	H. vulg.	WPBS 20444	ETH	-	GBR
20508	103642	PI 356512	H. vulg.	WPBS 20445	ETH	-	GBR
20509	103643	PI 356513	H. vulg.	WPBS 20446	ETH	-	GBR
20510	103644	PI 356514	H. vulg.	WPBS 20447	ETH	-	GBR
20511	103645	PI 356516	H. vulg.	WPBS 20450	ETH	-	GBR
20512	103646	PI 356517	H. vulg.	WPBS 20451	ETH	-	GBR
20513	103647	PI 356519	H. vulg.	WPBS 20453	ETH	-	GBR
20514	103648	PI 356520	H. vulg.	WPBS 20454	ETH	-	GBR
20515	103649	PI 356521	H. vulg.	WPBS 20455	ETH	-	GBR
20516	103650	PI 356524	H. vulg.	WPBS 20458	ETH	-	GBR
20517	103651	PI 356526	H. vulg.	WPBS 20460	ETH	-	GBR
20518	103652	PI 356527	H. vulg.	WPBS 20461	ETH	-	GBR
20519	103653	PI 356528	H. vulg.	WPBS 20462	ETH	-	GBR
20520	103654	PI 356529	H. vulg.	WPBS 20463	ETH	-	GBR
20521	103655	PI 356530	H. vulg.	WPBS 20464	ETH	-	GBR
20522	103656	PI 356532	H. vulg.	WPBS 20466	ETH	-	GBR
20523	103657	PI 356536	H. vulg.	WPBS 20470	ETH	-	GBR
20524	103658	PI 356537	H. vulg.	WPBS 20471	ETH	-	GBR
20525	103659	PI 356538	H. vulg.	WPBS 20472	ETH	-	GBR
20526	103660	PI 356540	H. vulg.	WPBS 20474	ETH	-	GBR
20527	103661	PI 356541	H. vulg.	WPBS 20475	ETH	-	GBR
20528	103662	PI 356542	H. vulg.	WPBS 20476	ETH	-	GBR
20529	103663	PI 356544	H. vulg.	WPBS 20478	ETH	-	GBR
20530	103664	PI 356545	H. vulg.	WPBS 20479	ETH	-	GBR
20531	103665	PI 356546	H. vulg.	WPBS 20480	ETH	-	GBR
20532	103666	PI 356547	H. vulg.	WPBS 20481	ETH	-	GBR
20533	103667	PI 356548	H. vulg.	WPBS 20482	ETH	-	GBR
20534	103668	PI 356549	H. vulg.	WPBS 20483	ETH	-	GBR
20535	103669	PI 356550	H. vulg.	WPBS 20484	ETH	-	GBR
20536	103670	PI 356551	H. vulg.	WPBS 20485	ETH	-	GBR
20537	103671	PI 356552	H. vulg.	WPBS 20487	ETH	-	GBR
20538	103672	PI 356553	H. vulg.	WPBS 20488	ETH	-	GBR
20539	103673	PI 356554	H. vulg.	WPBS 20489	ETH	-	GBR
20540	103674	PI 356556	H. vulg.	WPBS 20491	ETH	-	GBR
20541	103675	PI 356558	H. vulg.	WPBS 20493	ETH	-	GBR
20542	103676	PI 356559	H. vulg.	WPBS 20494	ETH	-	GBR
20543	103677	PI 356560	H. vulg.	WPBS 20495	ETH	-	GBR
20544	103678	PI 356561	H. vulg.	WPBS 20496	ETH	-	GBR
20545	103679	PI 356563	H. vulg.	WPBS 20498	ETH	-	GBR
20546	103680	PI 356564	H. vulg.	WPBS 20501	ETH	-	GBR
20547	103681	PI 356565	H. vulg.	WPBS 20502	ETH	-	GBR
20548	103682	PI 356567	H. vulg.	WPBS 20507	ETH	-	GBR
20549	103683	PI 356568	H. vulg.	WPBS 20508	ETH	-	GBR
20550	103684	PI 356571	H. vulg.	WPBS 20513	ETH	-	GBR
20551	103685	PI 356572	H. vulg.	WPBS 20514	ETH	-	GBR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
20552	103686	PI 356573	H. vulg.	WPBS 20515	ETH	-	GBR
20553	103687	PI 356574	H. vulg.	WPBS 20516	ETH	-	GBR
20554	103688	PI 356575	H. vulg.	WPBS 20518	ETH	-	GBR
20555	103689	PI 356576	H. vulg.	WPBS 20522	ETH	-	GBR
20556	103690	PI 356577	H. vulg.	WPBS 20525	ETH	-	GBR
20557	103691	PI 356578	H. vulg.	WPBS 20526	ETH	-	GBR
20558	103692	PI 356579	H. vulg.	WPBS 20529	ETH	-	GBR
20559	103693	PI 356587	H. vulg.	WPBS 20542	ETH	-	GBR
20560	103694	PI 356589	H. vulg.	WPBS 20544	ETH	-	GBR
20561	103695	PI 356590	H. vulg.	WPBS 20545	ETH	-	GBR
20562	103696	PI 356591	H. vulg.	WPBS 20546	ETH	-	GBR
20563	103697	PI 356593	H. vulg.	WPBS 20548	ETH	-	GBR
20564	103698	PI 356594	H. vulg.	WPBS 20549	ETH	-	GBR
20565	103699	PI 356595	H. vulg.	WPBS 20550	ETH	-	GBR
20566	103700	PI 356596	H. vulg.	WPBS 20554	ETH	-	GBR
20567	103701	PI 356597	H. vulg.	WPBS 20555	ETH	-	GBR
20568	103702	PI 356599	H. vulg.	WPBS 20560	ETH	-	GBR
20569	103703	PI 356600	H. vulg.	WPBS 20561	ETH	-	GBR
20570	103704	PI 356602	H. vulg.	WPBS 20563	ETH	-	GBR
20571	103705	PI 356603	H. vulg.	WPBS 20564	ETH	-	GBR
20572	103706	PI 356604	H. vulg.	WPBS 20565	ETH	-	GBR
20573	103707	PI 356605	H. vulg.	WPBS 20566	ETH	-	GBR
20574	103708	PI 356606	H. vulg.	WPBS 20567	ETH	-	GBR
20575	103709	PI 356608	H. vulg.	WPBS 20569	ETH	-	GBR
20576	103710	PI 356609	H. vulg.	WPBS 20570	ETH	-	GBR
20577	103711	PI 356611	H. vulg.	WPBS 20572	ETH	-	GBR
20578	103712	PI 356612	H. vulg.	WPBS 20573	ETH	-	GBR
20579	103713	PI 356613	H. vulg.	WPBS 20574	ETH	-	GBR
20580	103714	PI 356614	H. vulg.	WPBS 20575	ETH	-	GBR
20581	103715	PI 356616	H. vulg.	WPBS 20577	ETH	-	GBR
20582	103716	PI 356619	H. vulg.	WPBS 20580	ETH	-	GBR
20583	103717	PI 356620	H. vulg.	WPBS 20581	ETH	-	GBR
20584	103718	PI 356621	H. vulg.	WPBS 20582	ETH	-	GBR
20585	103719	PI 356622	H. vulg.	WPBS 20583	ETH	-	GBR
20586	103720	PI 356623	H. vulg.	WPBS 20584	ETH	-	GBR
20587	103721	PI 356624	H. vulg.	WPBS 20585	ETH	-	GBR
20588	103722	PI 356625	H. vulg.	WPBS 20586	ETH	-	GBR
20589	103723	PI 356628	H. vulg.	WPBS 20590	ETH	-	GBR
20590	103724	PI 356629	H. vulg.	WPBS 20591	ETH	-	GBR
20591	103725	PI 356633	H. vulg.	WPBS 20595	ETH	-	GBR
20592	103726	PI 356634	H. vulg.	WPBS 20597	ETH	-	GBR
20593	103727	PI 356635	H. vulg.	WPBS 20598	ETH	-	GBR
20594	103728	PI 356637	H. vulg.	WPBS 20600	ETH	-	GBR
20595	103729	PI 356640	H. vulg.	WPBS 20603	ETH	-	GBR
20596	103730	PI 356641	H. vulg.	WPBS 20604	ETH	-	GBR
20597	103731	PI 356643	H. vulg.	WPBS 20606	ETH	-	GBR
20598	103732	PI 356644	H. vulg.	WPBS 20607	ETH	-	GBR
20599	103733	PI 356645	H. vulg.	WPBS 20608	ETH	-	GBR
20600	103734	PI 356647	H. vulg.	WPBS 20610	ETH	-	GBR
20601	103735	PI 356648	H. vulg.	WPBS 20611	ETH	-	GBR
20602	103736	PI 356649	H. vulg.	WPBS 20612	ETH	-	GBR
20603	103737	PI 356650	H. vulg.	WPBS 20613	ETH	-	GBR
20604	103738	PI 356652	H. vulg.	WPBS 20615	ETH	-	GBR
20605	103739	PI 356655	H. vulg.	WPBS 20625	ETH	-	GBR
20606	103740	PI 356656	H. vulg.	WPBS 20626	ETH	-	GBR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
20607	103741	PI 356657	H. vulg.	WPBS 20627	ETH	-	GBR
20608	103742	PI 356658	H. vulg.	WPBS 20628	ETH	-	GBR
20609	103743	PI 356660	H. vulg.	WPBS 20630	ETH	-	GBR
20610	103744	PI 356661	H. vulg.	WPBS 20631	ETH	-	GBR
20611	103745	PI 356663	H. vulg.	WPBS 20633	ETH	-	GBR
20612	103746	PI 356666	H. vulg.	WPBS 20636	ETH	-	GBR
20613	103747	PI 356667	H. vulg.	WPBS 20637	ETH	-	GBR
20614	103748	PI 356669	H. vulg.	WPBS 20645	ETH	-	GBR
20615	103749	PI 356670	H. vulg.	WPBS 20646	ETH	-	GBR
20616	103750	PI 356671	H. vulg.	WPBS 20647	MAR	-	GBR
20617	103751	PI 356672	H. vulg.	WPBS 20648	MAR	-	GBR
20618	103752	PI 356673	H. vulg.	WPBS 20649	MAR	-	GBR
20619	103753	PI 356674	H. vulg.	WPBS 20650	MAR	-	GBR
20620	103754	PI 356675	H. vulg.	WPBS 20651	MAR	-	GBR
20621	103755	PI 356676	H. vulg.	WPBS 20652	MAR	-	GBR
20622	103756	PI 356677	H. vulg.	WPBS 20653	MAR	-	GBR
20623	103757	PI 356678	H. vulg.	WPBS 20654	MAR	-	GBR
20624	103758	PI 356679	H. vulg.	WPBS 20655	MAR	-	GBR
20625	103759	PI 356680	H. vulg.	WPBS 20656	MAR	-	GBR
20626	103760	PI 356681	H. vulg.	WPBS 20657	MAR	-	GBR
20627	103761	PI 356682	H. vulg.	WPBS 20658	MAR	-	GBR
20628	103762	PI 356683	H. vulg.	WPBS 20659	MAR	-	GBR
20629	103763	PI 356684	H. vulg.	WPBS 20660	MAR	-	GBR
20630	103764	PI 356685	H. vulg.	WPBS 20661	MAR	-	GBR
20631	103765	PI 356686	H. vulg.	WPBS 20662	MAR	-	GBR
20632	103766	PI 356687	H. vulg.	WPBS 20663	MAR	-	GBR
20633	103767	PI 356688	H. vulg.	WPBS 20664	MAR	-	GBR
20634	103768	PI 356690	H. vulg.	WPBS 20666	MAR	-	GBR
20635	103769	PI 356691	H. vulg.	WPBS 20667	MAR	-	GBR
20636	103770	PI 356692	H. vulg.	WPBS 20668	MAR	-	GBR
20637	103771	PI 356693	H. vulg.	WPBS 20669	MAR	-	GBR
20638	103772	PI 356694	H. vulg.	WPBS 20670	MAR	-	GBR
20639	103773	PI 356695	H. vulg.	WPBS 20671	MAR	-	GBR
20640	103774	PI 356696	H. vulg.	WPBS 20672	MAR	-	GBR
20641	103775	PI 356697	H. vulg.	WPBS 20673	MAR	-	GBR
20642	103776	PI 356700	H. vulg.	WPBS 20682	MAR	-	GBR
20643	103777	PI 356701	H. vulg.	WPBS 20683	MAR	-	GBR
20644	103778	PI 356702	H. vulg.	WPBS 20684	MAR	-	GBR
20645	103779	PI 356703	H. vulg.	WPBS 20685	MAR	-	GBR
20646	103780	PI 356704	H. vulg.	WPBS 20686	MAR	-	GBR
20647	103781	PI 356705	H. vulg.	WPBS 20687	MAR	-	GBR
20648	103782	PI 356706	H. vulg.	WPBS 20688	MAR	-	GBR
20649	103783	PI 356708	H. vulg.	WPBS 20690	MAR	-	GBR
20650	103784	PI 356709	H. vulg.	WPBS 20691	MAR	-	GBR
20651	103785	PI 356711	H. vulg.	WPBS 20693	MAR	-	GBR
20652	103786	PI 356712	H. vulg.	WPBS 20694	MAR	-	GBR
20653	103787	PI 356713	H. vulg.	WPBS 20695	MAR	-	GBR
20654	103788	PI 356714	H. vulg.	WPBS 20697	MAR	-	GBR
20655	103789	PI 356716	H. vulg.	WPBS 20699	MAR	-	GBR
20656	103790	PI 356717	H. vulg.	WPBS 20700	MAR	-	GBR
20657	103791	PI 356718	H. vulg.	WPBS 20701	MAR	-	GBR
20658	103792	PI 356719	H. vulg.	WPBS 20702	MAR	-	GBR
20659	103793	PI 356720	H. vulg.	WPBS 20703	MAR	-	GBR
20660	103794	PI 356722	H. vulg.	WPBS 20705	MAR	-	GBR
20661	103795	PI 356723	H. vulg.	WPBS 20706	MAR	-	GBR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
20662	103796	PI 356724	H. vulg.	WPBS 20707	MAR	-	GBR
20663	103797	PI 356725	H. vulg.	WPBS 20708	MAR	-	GBR
20664	103798	PI 356726	H. vulg.	WPBS 20709	MAR	-	GBR
20665	103799	PI 356727	H. vulg.	WPBS 20710	MAR	-	GBR
20666	103800	PI 356728	H. vulg.	WPBS 20711	MAR	-	GBR
20667	103801	PI 356729	H. vulg.	WPBS 20712	MAR	-	GBR
20668	103802	PI 356730	H. vulg.	WPBS 20713	MAR	-	GBR
20669	103803	PI 356731	H. vulg.	WPBS 20714	MAR	-	GBR
20670	103804	PI 356732	H. vulg.	WPBS 20715	MAR	-	GBR
20671	103805	PI 356734	H. vulg.	WPBS 20717	MAR	-	GBR
20672	103806	PI 356735	H. vulg.	WPBS 20718	MAR	-	GBR
20673	103807	PI 356736	H. vulg.	WPBS 20719	MAR	-	GBR
20674	103808	PI 356737	H. vulg.	WPBS 20720	MAR	-	GBR
20675	103809	PI 356738	H. vulg.	WPBS 20721	MAR	-	GBR
20676	103810	PI 356741	H. vulg.	WPBS 20724	MAR	-	GBR
20677	103811	PI 356742	H. vulg.	WPBS 20725	MAR	-	GBR
20678	103812	PI 356743	H. vulg.	WPBS 20726	MAR	-	GBR
20679	103813	PI 356744	H. vulg.	WPBS 20727	MAR	-	GBR
20680	103814	PI 356745	H. vulg.	WPBS 20728	MAR	-	GBR
20681	103815	PI 356747	H. vulg.	WPBS 20730	MAR	-	GBR
20682	103816	PI 356748	H. vulg.	WPBS 20731	MAR	-	GBR
20683	103817	PI 356749	H. vulg.	WPBS 20732	MAR	-	GBR
20684	103818	PI 356750	H. vulg.	WPBS 20733	MAR	-	GBR
20685	103819	PI 356751	H. vulg.	WPBS 20734	MAR	-	GBR
20686	103820	PI 356752	H. vulg.	WPBS 20735	MAR	-	GBR
20687	103821	PI 356753	H. vulg.	WPBS 20736	MAR	-	GBR
20688	103822	PI 356754	H. vulg.	WPBS 20737	MAR	-	GBR
20689	103823	PI 356755	H. vulg.	WPBS 20738	MAR	-	GBR
20690	103824	PI 356756	H. vulg.	WPBS 20739	MAR	-	GBR
20691	103825	PI 356757	H. vulg.	WPBS 20740	MAR	-	GBR
20692	103826	PI 356758	H. vulg.	WPBS 20741	MAR	-	GBR
20693	103827	PI 356759	H. vulg.	WPBS 20742	MAR	-	GBR
20694	103828	PI 356760	H. vulg.	WPBS 20743	MAR	-	GBR
20695	103829	PI 356761	H. vulg.	WPBS 20744	MAR	-	GBR
20696	103830	PI 356762	H. vulg.	WPBS 20745	MAR	-	GBR
20697	103831	PI 356763	H. vulg.	WPBS 20746	MAR	-	GBR
20698	103832	PI 356765	H. vulg.	WPBS 20748	MAR	-	GBR
20699	103833	PI 356766	H. vulg.	WPBS 20749	MAR	-	GBR
20700	103834	PI 356767	H. vulg.	WPBS 20750	MAR	-	GBR
20701	103835	PI 356768	H. vulg.	WPBS 20751	MAR	-	GBR
20702	103836	PI 356769	H. vulg.	WPBS 20752	MAR	-	GBR
20703	103837	PI 356770	H. vulg.	WPBS 20753	MAR	-	GBR
20704	103838	PI 356771	H. vulg.	WPBS 20754	MAR	-	GBR
20705	103839	PI 356772	H. vulg.	WPBS 20755	MAR	-	GBR
20706	103840	PI 356773	H. vulg.	WPBS 20756	MAR	-	GBR
20707	103841	PI 356774	H. vulg.	WPBS 20757	MAR	-	GBR
20708	103842	PI 356775	H. vulg.	WPBS 20758	MAR	-	GBR
20709	103843	PI 356776	H. vulg.	WPBS 20759	UNK	-	GBR
20710	103844	PI 356777	H. vulg.	WPBS 20760	UNK	-	GBR
20711	103845	PI 356778	H. vulg.	WPBS 20761	UNK	-	GBR
20712	103846	PI 356779	H. vulg.	WPBS 20762	UNK	-	GBR
20713	103847	PI 356780	H. vulg.	WPBS 20763	UNK	-	GBR
20714	103848	PI 356781	H. vulg.	WPBS 20764	UNK	-	GBR
20715	103849	PI 356782	H. vulg.	WPBS 20765	UNK	-	GBR
20716	103850	PI 356783	H. vulg.	WPBS 20767	UNK	-	GBR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
20717	103851	PI 356784	H. vulg.	WPBS 20768	UNK	-	GBR
20718	103852	PI 356785	H. vulg.	WPBS 20769	UNK	-	GBR
20719	103853	PI 356786	H. vulg.	WPBS 20770	UNK	-	GBR
20720	103854	PI 356787	H. vulg.	WPBS 20771	UNK	-	GBR
20721	103855	PI 356788	H. vulg.	WPBS 20773	UNK	-	GBR
20722	103856	PI 356789	H. vulg.	WPBS 20774	UNK	-	GBR
20723	103857	PI 356790	H. vulg.	WPBS 20775	UNK	-	GBR
20724	103858	PI 356792	H. vulg.	WPBS 20777	UNK	-	GBR
20725	103859	PI 356793	H. vulg.	WPBS 20778	UNK	-	GBR
20726	103860	PI 356794	H. vulg.	WPBS 20779	UNK	-	GBR
20727	103861	PI 356796	H. vulg.	WPBS 20781	UNK	-	GBR
20728	103862	PI 356797	H. vulg.	WPBS 20782	UNK	-	GBR
20729	103863	PI 356798	H. vulg.	WPBS 20783	UNK	-	GBR
20730	103864	PI 356799	H. vulg.	WPBS 20784	UNK	-	GBR
20731	103865	PI 356800	H. vulg.	WPBS 20785	UNK	-	GBR
20732	103866	PI 356801	H. vulg.	WPBS 20786	UNK	-	GBR
20733	103867	PI 356802	H. vulg.	WPBS 20787	UNK	-	GBR
20734	103868	PI 356803	H. vulg.	WPBS 20788	UNK	-	GBR
20735	103869	PI 356804	H. vulg.	WPBS 20789	UNK	-	GBR
20736	103870	PI 356805	H. vulg.	WPBS 20790	UNK	-	GBR
20737	103871	PI 356806	H. vulg.	WPBS 20791	UNK	-	GBR
20738	103872	PI 356807	H. vulg.	WPBS 20792	UNK	-	GBR
20739	103873	PI 356808	H. vulg.	WPBS 20793	UNK	-	GBR
20740	103874	PI 358285	H. vulg.	UI 30	ETH	Wallega	ETH
20741	103875	PI 358286	H. vulg.	UI 39	ETH	Wallega	ETH
20742	103876	PI 358287	H. vulg.	UI 71	ETH	Illubabor	ETH
20743	103877	PI 358597	H. dist.	22850	ETH	Tegre	ETH
20744	103878	PI 358598	H. dist.	22851	ETH	Tegre	ETH
20745	103879	PI 358599	H. dist.	22852	ETH	Tegre	ETH
20746	103880	PI 360818	H. vulg.	MB 4	UNK	-	IND
20747	103881	PI 360820	H. vulg.	MB 11	UNK	-	IND
20748	103882	PI 360821	H. vulg.	MB 12	UNK	-	IND
20749	103883	PI 360822	H. vulg.	MB 13	UNK	-	IND
20750	103884	PI 360823	H. vulg.	MB 14	UNK	-	IND
20751	103885	PI 360824	H. vulg.	MB 20	UNK	-	IND
20752	103886	PI 360825	H. vulg.	MB 21	UNK	-	IND
20753	103887	PI 360827	H. vulg.	MB 76	UNK	-	IND
20754	103888	PI 360828	H. vulg.	MB 85	UNK	-	IND
20755	103889	PI 360829	H. vulg.	MB 86	UNK	-	IND
20756	103890	PI 360830	H. vulg.	MB 104	UNK	-	IND
20757	103891	PI 361034	H. vulg.	Ida 3	UNK	-	GBR
20758	103892	PI 361035	H. vulg.	Ida 6	UNK	-	GBR
20759	103893	PI 361036	H. vulg.	Ida 7	UNK	-	GBR
20760	103894	PI 361037	H. vulg.	Ida 16	UNK	-	GBR
20761	103895	PI 361038	H. vulg.	Ida 18	UNK	-	GBR
20762	103896	PI 361039	H. vulg.	Ida 19	UNK	-	GBR
20763	103897	PI 361040	H. vulg.	Ida 22	UNK	-	GBR
20764	103898	PI 361041	H. vulg.	Ida 26	UNK	-	GBR
20765	103899	PI 361042	H. vulg.	Ida 29	UNK	-	GBR
20766	103900	PI 361043	H. vulg.	Svale 1	UNK	-	GBR
20767	103901	PI 361044	H. vulg.	Svale 3	UNK	-	GBR
20768	103902	PI 361045	H. vulg.	Svale 4	UNK	-	GBR
20769	103903	PI 361046	H. vulg.	Svale 6	UNK	-	GBR
20770	103904	PI 361047	H. vulg.	Svale 7	UNK	-	GBR
20771	103905	PI 361048	H. vulg.	Svale 9	UNK	-	GBR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
20772	103906	PI 361049	H. vulg.	Svale 15	UNK	-	GBR
20773	103907	PI 361050	H. vulg.	Svale 21	UNK	-	GBR
20774	103908	PI 361051	H. vulg.	Svale 26	UNK	-	GBR
20775	103909	PI 361052	H. vulg.	Svale 29	UNK	-	GBR
20776	103910	PI 361606	H. dist.	DN 221	UNK	-	DNK
20777	103911	PI 361607	H. dist.	DN 223	UNK	-	DNK
20778	103912	PI 361608	H. dist.	DN 226	UNK	-	DNK
20779	103913	PI 361609	H. dist.	DN 250	UNK	-	DNK
20780	103914	PI 361610	H. dist.	DN 256	UNK	-	DNK
20781	103915	PI 361611	H. dist.	DN 259	UNK	-	DNK
20782	103916	PI 361612	H. dist.	DN 260	SWE	-	DNK
20783	103917	PI 361613	H. dist.	DN 264	UNK	-	DNK
20784	103918	PI 361614	H. dist.	DN 266	UNK	-	DNK
20785	103919	PI 361615	H. dist.	DN 270	UNK	-	DNK
20786	103920	PI 361616	H. dist.	DN 272	UNK	-	DNK
20787	103921	PI 361617	H. dist.	DN 276	UNK	-	DNK
20788	103922	PI 361619	H. dist.	DN 284	UNK	-	DNK
20789	103923	PI 361620	H. dist.	DN 289	UNK	-	DNK
20790	103924	PI 361621	H. dist.	DN 292	UNK	-	DNK
20791	103925	PI 361622	H. dist.	DN 296	UNK	-	DNK
20792	103926	PI 361623	H. dist.	DN 298	UNK	-	DNK
20793	103927	PI 361624	H. dist.	DN 301	UNK	-	DNK
20794	103928	PI 361627	H. dist.	DN 322	UNK	-	DNK
20795	103929	PI 361629	H. dist.	DN 324	UNK	-	DNK
20796	103930	PI 361630	H. dist.	DN 325	UNK	-	DNK
20797	103931	PI 361631	H. dist.	DN 330	UNK	-	DNK
20798	103932	PI 361632	H. dist.	DN 331	UNK	-	DNK
20799	103933	PI 361633	H. dist.	DN 334	UNK	-	DNK
20800	103934	PI 361634	H. dist.	DN 364	UNK	-	DNK
20801	103935	PI 361635	H. dist.	DN 408	UNK	-	DNK
20802	103936	PI 361636	H. dist.	DN 409	UNK	-	DNK
20803	103937	PI 361637	H. dist.	DN 422	UNK	-	DNK
20804	103938	PI 361638	H. dist.	DN 429	UNK	-	DNK
20805	103939	PI 361639	H. dist.	DN 435	UNK	-	DNK
20806	103940	PI 361640	H. dist.	DN 443	UNK	-	DNK
20807	103941	PI 361641	H. dist.	DN 444	UNK	-	DNK
20808	103942	PI 361642	H. dist.	DN 453	UNK	-	DNK
20809	103943	PI 361643	H. dist.	DN 458	UNK	-	DNK
20810	103944	PI 361644	H. dist.	DN 493	UNK	-	DNK
20811	103945	PI 361645	H. dist.	DN 501	UNK	-	DNK
20812	103946	PI 361646	H. dist.	DN 509	UNK	-	DNK
20813	103947	PI 361651	H. dist.	DN 526	UNK	-	DNK
20814	103948	PI 361652	H. dist.	DN 532	UNK	-	DNK
20815	103949	PI 361655	H. dist.	DN 540	UNK	-	DNK
20816	103950	PI 361656	H. dist.	DN 541	UNK	-	DNK
20817	103951	PI 361657	H. dist.	DN 544	UNK	-	DNK
20818	103952	PI 361658	H. dist.	DN 545	UNK	-	DNK
20819	103953	PI 361661	H. dist.	DN 553	UNK	-	DNK
20820	103954	PI 361665	H. dist.	DN 679	UNK	-	DNK
20821	103955	PI 361666	H. dist.	DN 694	UNK	-	DNK
20822	103956	PI 361667	H. dist.	DN 695	UNK	-	DNK
20823	103957	PI 361668	H. dist.	DN 698	UNK	-	DNK
20824	103958	PI 361669	H. dist.	DN 700	UNK	-	DNK
20825	103959	PI 361670	H. dist.	DN 702	UNK	-	DNK
20826	103960	PI 361671	H. dist.	DN 764	UNK	-	DNK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
20827	103961	PI 361672	H. dist.	DN 786	UNK	-	DNK
20828	103962	PI 361673	H. dist.	DN 787	UNK	-	DNK
20829	103963	PI 361674	H. dist.	DN 789	UNK	-	DNK
20830	103964	PI 361675	H. vulg.	DN 10	UNK	-	DNK
20831	103965	PI 361676	H. vulg.	DN 12	UNK	-	DNK
20832	103966	PI 361677	H. vulg.	DN 14	UNK	-	DNK
20833	103967	PI 361678	H. vulg.	DN 32	UNK	-	DNK
20834	103968	PI 361679	H. vulg.	DN 33	UNK	-	DNK
20835	103969	PI 361680	H. vulg.	DN 34	UNK	-	DNK
20836	103970	PI 361682	H. vulg.	DN 45	UNK	-	DNK
20837	103971	PI 361683	H. vulg.	DN 47	UNK	-	DNK
20838	103972	PI 361684	H. vulg.	DN 51	UNK	-	DNK
20839	103973	PI 361685	H. vulg.	DN 55	UNK	-	DNK
20840	103974	PI 361688	H. vulg.	DN 58	UNK	-	DNK
20841	103975	PI 361689	H. vulg.	DN 61	UNK	-	DNK
20842	103976	PI 361690	H. vulg.	DN 62	UNK	-	DNK
20843	103977	PI 361691	H. vulg.	DN 63	UNK	-	DNK
20844	103978	PI 361692	H. vulg.	DN 67	UNK	-	DNK
20845	103979	PI 361693	H. vulg.	DN 69	UNK	-	DNK
20846	103980	PI 361695	H. vulg.	DN 74	UNK	-	DNK
20847	103981	PI 361699	H. vulg.	DN 79	UNK	-	DNK
20848	103982	PI 361700	H. vulg.	DN 81	UNK	-	DNK
20849	103983	PI 361701	H. vulg.	DN 84	UNK	-	DNK
20850	103984	PI 361702	H. vulg.	DN 85	UNK	-	DNK
20851	103985	PI 361705	H. vulg.	DN 448	UNK	-	DNK
20852	103986	PI 361706	H. vulg.	DN 457	UNK	-	DNK
20853	103987	PI 361707	H. vulg.	DN 472	UNK	-	DNK
20854	103988	PI 361709	H. vulg.	DN 608	UNK	-	DNK
20855	103989	PI 361710	H. vulg.	DN 690	UNK	-	DNK
20856	103990	PI 361711	H. vulg.	DN 762	UNK	-	DNK
20857	103991	PI 361712	H. vulg.	DN 763	UNK	-	DNK
20858	103992	PI 361867	H. dist.	-	UNK	-	DNK
20859	103993	PI 361913	H. dist.	-	ROM	Brasov	ROM
20860	103994	PI 361919	H. vulg.	-	ROM	Brasov	ROM
20861	103995	PI 361923	H. vulg.	-	ROM	Brasov	ROM
20862	103996	PI 361927	H. vulg.	-	ROM	Fundulea	ROM
20863	103997	PI 361928	H. vulg.	-	ROM	Turda	ROM
20864	103998	PI 361931	H. vulg.	F 324\60	ROM	Fundulea	ROM
20865	103999	PI 361938	H. vulg.	-	ROM	Brasov	ROM
20866	104000	PI 361939	H. vulg.	-	ROM	Brasov	ROM
20867	104001	PI 362199	H. dist.	-	UNK	-	FRA
20868	104002	PI 362200	H. dist.	-	UNK	-	FRA
20869	104003	PI 362201	H. dist.	-	UNK	-	FRA
20870	104004	PI 362202	H. dist.	-	UNK	-	FRA
20871	104005	PI 362203	H. dist.	-	UNK	-	FRA
20872	104006	PI 362204	H. dist.	-	UNK	-	FRA
20873	104007	PI 362205	H. dist.	-	UNK	-	FRA
20874	104008	PI 362206	H. vulg.	-	UNK	-	FRA
20875	104009	PI 362207	H. vulg.	-	UNK	-	FRA
20876	104010	PI 362376	H. vulg.	ISG 4	YUG	Serbia	YUG
20877	104011	PI 362377	H. vulg.	ISG 5	YUG	Macedonia	YUG
20878	104012	PI 362378	H. vulg.	ISG 6	YUG	Monte Negro	YUG
20879	104013	PI 362379	H. vulg.	ISG 7	YUG	Monte Negro	YUG
20880	104014	PI 362380	H. vulg.	ISG 1	YUG	Serbia	YUG
20881	104015	PI 362381	H. vulg.	ISG 2	YUG	Serbia	YUG

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
20882	104016	PI 362383	H. vulg.	ISG 33	YUG	Cosovo	YUG
20883	104017	PI 365435	H. vulg.	-	JPN	-	JPN
20884	104018	PI 365439	H. vulg.	-	NLD	-	GBR
20885	104019	PI 365547	H. vulg.	-	NLD	-	GBR
20886	104020	PI 365587	H. vulg.	-	DNK	-	GBR
20887	104021	PI 365634	H. dist.	-	AUS	-	AUS
20888	104022	PI 366018	H. vulg.	-	GBR	-	GBR
20889	104023	PI 366429	H. dist.	RUS 161	AFG	Besha	AFG
20890	104024	PI 366432	H. dist.	RUS 384	AFG	Qala Nau	AFG
20891	104025	PI 366433	H. dist.	RUS 437	AFG	Herat	AFG
20892	104026	PI 366434	H. dist.	RUS 505	AFG	Obey	AFG
20893	104027	PI 366435	H. dist.	RUS 668	AFG	Tarpi Azoo	AFG
20894	104028	PI 366436	H. dist.	RUS 694	AFG	Tangi Azoo	AFG
20895	104029	PI 366437	H. dist.	RUS 860	AFG	-	AFG
20896	104030	PI 366438	H. dist.	RUS 965	AFG	Kilmin	AFG
20897	104031	PI 366441	H. dist.	RUS 1113	AFG	Gormao	AFG
20898	104032	PI 366443	H. dist.	RUS 1154	AFG	Badgah	AFG
20899	104033	PI 366444	H. dist.	RUS 1463	AFG	Pul Khumri	AFG
20900	104034	PI 366445	H. dist.	RUS 1597	AFG	Haibak	AFG
20901	104035	PI 366447	H. vulg.	RUS 127	AFG	Palpiri	AFG
20902	104036	PI 366448	H. vulg.	RUS 214	AFG	-	AFG
20903	104037	PI 366449	H. vulg.	RUS 339	AFG	Qala Nau	AFG
20904	104038	PI 366450	H. vulg.	RUS 383	AFG	Qala Nau	AFG
20905	104039	PI 366451	H. vulg.	RUS 438	AFG	Herat	AFG
20906	104040	PI 366452	H. vulg.	RUS 462	AFG	Herat	AFG
20907	104041	PI 366453	H. vulg.	RUS 473	AFG	Herat	AFG
20908	104042	PI 366454	H. vulg.	RUS 670	AFG	Tangi Azao	AFG
20909	104043	PI 366456	H. vulg.	RUS 857	AFG	Dasht i Pam	AFG
20910	104044	PI 366457	H. vulg.	RUS 858	AFG	Dasht i Pam	AFG
20911	104045	PI 366458	H. vulg.	RUS 915	AFG	Qala Arphoror	AFG
20912	104046	PI 366459	H. vulg.	RUS 1083	AFG	-	AFG
20913	104047	PI 366460	H. vulg.	RUS 1084	AFG	Daulak Yar	AFG
20914	104048	PI 366461	H. vulg.	RUS 1115	AFG	Gormao	AFG
20915	104049	PI 366463	H. vulg.	RUS 1117	AFG	Gormao	AFG
20916	104050	PI 366464	H. vulg.	RUS 1126	AFG	Kizil	AFG
20917	104051	PI 366465	H. vulg.	RUS 1127	AFG	Kizil	AFG
20918	104052	PI 366467	H. vulg.	RUS 1167	AFG	Qala Cargi	AFG
20919	104053	PI 366468	H. vulg.	RUS 1169	AFG	Baski	AFG
20920	104054	PI 366469	H. vulg.	RUS 1184	AFG	Parjau	AFG
20921	104055	PI 366470	H. vulg.	RUS 1208	AFG	Panjoo	AFG
20922	104056	PI 366472	H. vulg.	RUS 1318	AFG	Bamian	AFG
20923	104057	PI 366474	H. vulg.	RUS 1395	AFG	Gharbard	AFG
20924	104058	PI 366476	H. vulg.	RUS 1464	AFG	Pul Khumri	AFG
20925	104059	PI 366477	H. vulg.	RUS 1488	AFG	Talerquan	AFG
20926	104060	PI 366479	H. vulg.	RUS 1589	AFG	Haibak	AFG
20927	104061	PI 366481	H. vulg.	RUS 1918	AFG	Gordey	AFG
20928	104062	PI 366482	H. spp.	RUS 180	AFG	Besha	AFG
20929	104063	PI 366484	H. spp.	RUS 557	AFG	Besha	AFG
20930	104064	PI 366485	H. spp.	RUS 775	AFG	Jeow	AFG
20931	104065	PI 366489	H. spp.	RUS 1517	AFG	Kunchuz	AFG
20932	104066	PI 366490	H. spp.	RUS 1920	AFG	Farkhar	AFG
20933	104067	PI 367670	H. vulg.	-	UNK	-	ZAF
20934	104068	PI 367672	H. vulg.	-	UNK	-	ZAF
20935	104069	PI 367673	H. vulg.	-	UNK	-	ZAF
20936	104070	PI 369341	H. vulg.	-	DEU	-	GBR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTTVAR	ORI	PROVINCE	SOURCE
20937	104071	PI 369728	H. dist.	IPI 16889	SUN	Ukraine	SUN
20938	104072	PI 369729	H. dist.	IPI 16904	SUN	Latvia	SUN
20939	104073	PI 369730	H. dist.	IPI 17222	SUN	Azerbaijan	SUN
20940	104074	PI 369731	H. dist.	IPI 17386	SUN	Kazakhstan	SUN
20941	104075	PI 369732	H. dist.	IPI 18333	SUN	Ukraine	SUN
20942	104076	PI 369733	H. dist.	IPI 19189	SUN	Ukraine	SUN
20943	104077	PI 369734	H. dist.	IPI 19928	SUN	Krasnodar	SUN
20944	104078	PI 369735	H. dist.	IPI 19935	SUN	Ukraine	SUN
20945	104079	PI 369736	H. dist.	IPI 20329	SUN	Ukraine	SUN
20946	104080	PI 369737	H. vulg.	IPI 15248	SUN	Azerbaijan	SUN
20947	104081	PI 369738	H. vulg.	IPI 15619	SUN	Murmansk	SUN
20948	104082	PI 369739	H. vulg.	IPI 16626	SUN	Burat	SUN
20949	104083	PI 369740	H. vulg.	IPI 16639	SUN	Tajikistan	SUN
20950	104084	PI 369741	H. vulg.	IPI 16928	SUN	Lithuania	SUN
20951	104085	PI 369742	H. vulg.	IPI 17207	SUN	Azerbaijan	SUN
20952	104086	PI 369743	H. vulg.	IPI 18192	SUN	-	SUN
20953	104087	PI 369744	H. vulg.	IPI 18211	SUN	Kurghizia	SUN
20954	104088	PI 369745	H. vulg.	IPI 18331	SUN	Ukraine	SUN
20955	104089	PI 369746	H. vulg.	IPI 18475	SUN	Tajikistan	SUN
20956	104090	PI 369747	H. vulg.	IPI 19790	SUN	Odessa	SUN
20957	104091	PI 369748	H. vulg.	IPI 20449	SUN	Crimea	SUN
20958	104092	PI 370627	H. vulg.	UI 66 H 11	UNK	-	TUR
20959	104093	PI 370628	H. vulg.	UI 66 H 12	UNK	-	TUR
20960	104094	PI 370696	H. vulg.	-	POL	-	POL
20961	104095	PI 370697	H. vulg.	-	POL	-	POL
20962	104096	PI 370698	H. vulg.	-	POL	-	POL
20963	104097	PI 370699	H. vulg.	-	POL	-	POL
20964	104098	PI 370700	H. vulg.	-	POL	-	POL
20965	104099	PI 370753	H. def.	SFRZ 2154 a.	UNK	-	CHE
20966	104100	PI 370754	H. def.	SFRZ 2154 b.	UNK	-	CHE
20967	104101	PI 370761	H. vulg.	SFRZ 8 a.	CHE	Ausserberg	CHE
20968	104102	PI 370762	H. vulg.	SFRZ 11 a.	CHE	Pitasch	CHE
20969	104103	PI 370763	H. vulg.	SFRZ 11 b.	CHE	Pitasch	CHE
20970	104104	PI 370764	H. vulg.	SFRZ 16 a.	CHE	Troistorrents	CHE
20971	104105	PI 370765	H. vulg.	SFRZ 22 c.	CHE	Medels	CHE
20972	104106	PI 370769	H. vulg.	SFRZ 50 a.	CHE	Sedrun	CHE
20973	104107	PI 370770	H. vulg.	SFRZ 83 a.	CHE	Breno	CHE
20974	104108	PI 370771	H. vulg.	SFRZ 83 b.	CHE	Breno	CHE
20975	104109	PI 370772	H. vulg.	SFRZ 89 a.	CHE	Mund	CHE
20976	104110	PI 370774	H. vulg.	SFRZ 137 b.	CHE	Rodels	CHE
20977	104111	PI 370776	H. vulg.	SFRZ 140 g.	CHE	Sedrun	CHE
20978	104112	PI 370777	H. vulg.	SFRZ 141 a.	CHE	Laax	CHE
20979	104113	PI 370780	H. vulg.	SFRZ 141 i.	CHE	Laax	CHE
20980	104114	PI 370781	H. vulg.	SFRZ 141 m.	CHE	Laax	CHE
20981	104115	PI 370782	H. vulg.	SFRZ 142 a.	CHE	Fellers	CHE
20982	104116	PI 370783	H. vulg.	SFRZ 142 b.	CHE	Fellers	CHE
20983	104117	PI 370784	H. vulg.	SFRZ 142 h.	CHE	Fellers	CHE
20984	104118	PI 370785	H. vulg.	SFRZ 144 b.	CHE	St.Maria	CHE
20985	104119	PI 370786	H. vulg.	SFRZ 145 d.	CHE	Braggio	CHE
20986	104120	PI 370787	H. vulg.	SFRZ 147 b.	CHE	Fuldera	CHE
20987	104121	PI 370788	H. vulg.	SFRZ 148 a.	CHE	Samnaun	CHE
20988	104122	PI 370789	H. vulg.	SFRZ 148 b.	CHE	Samnaun	CHE
20989	104123	PI 370792	H. vulg.	SFRZ 151 a.	CHE	Fellers	CHE
20990	104124	PI 370793	H. vulg.	SFRZ 155 a.	CHE	Goms	CHE
20991	104125	PI 370795	H. vulg.	SFRZ 171 a.	CHE	Unterbach	CHE

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
20992	104126	PI 370796	H. vulg.	SFRZ 172 a.	CHE	Brigels	CHE
20993	104127	PI 370797	H. vulg.	SFRZ 174 a.	CHE	Vrin	CHE
20994	104128	PI 370798	H. vulg.	SFRZ 174 b.	CHE	Vrin	CHE
20995	104129	PI 370799	H. vulg.	SFRZ 179 a.	CHE	Val d'Aunivier	CHE
20996	104130	PI 370800	H. vulg.	SFRZ 182 a.	CHE	Vrin	CHE
20997	104131	PI 370802	H. vulg.	SFRZ 199 a.	CHE	Vrin	CHE
20998	104132	PI 370803	H. vulg.	SFRZ 199 d.	CHE	Vrin	CHE
20999	104133	PI 370804	H. vulg.	SFRZ 200 c.	CHE	Vrin	CHE
21000	104134	PI 370805	H. vulg.	SFRZ 200 f.	CHE	Vrin	CHE
21001	104135	PI 370806	H. vulg.	SFRZ 200 g.	CHE	Vrin	CHE
21002	104136	PI 370808	H. vulg.	SFRZ 201 e.	CHE	Vrin	CHE
21003	104137	PI 370810	H. vulg.	SFRZ 202 e.	CHE	Vrin	CHE
21004	104138	PI 370811	H. vulg.	SFRZ 202 f.	CHE	Vrin	CHE
21005	104139	PI 370812	H. vulg.	SFRZ 203 a.	CHE	Vrin	CHE
21006	104140	PI 370813	H. vulg.	SFRZ 203 b.	CHE	Vrin	CHE
21007	104141	PI 370814	H. vulg.	SFRZ 203 f.	CHE	Vrin	CHE
21008	104142	PI 370815	H. vulg.	SFRZ 204 b.	CHE	Lumbrein	CHE
21009	104143	PI 370816	H. vulg.	SFRZ 205 a.	CHE	Lumbrein	CHE
21010	104144	PI 370817	H. vulg.	SFRZ 206 b.	CHE	Lumbrein	CHE
21011	104145	PI 370818	H. vulg.	SFRZ 206 c.	CHE	Lumbrein	CHE
21012	104146	PI 370819	H. vulg.	SFRZ 207 c.	CHE	Fellers	CHE
21013	104147	PI 370820	H. vulg.	SFRZ 207 f.	CHE	Fellers	CHE
21014	104148	PI 370821	H. vulg.	SFRZ 208 f.	CHE	Fellers	CHE
21015	104149	PI 370822	H. vulg.	SFRZ 208 g.	CHE	Fellers	CHE
21016	104150	PI 370823	H. vulg.	SFRZ 208 i.	CHE	Fellers	CHE
21017	104151	PI 370824	H. vulg.	SFRZ 209 e.	CHE	Ladir	CHE
21018	104152	PI 370825	H. vulg.	SFRZ 209 f.	CHE	Ladir	CHE
21019	104153	PI 370826	H. vulg.	SFRZ 209 g.	CHE	Ladir	CHE
21020	104154	PI 370827	H. vulg.	SFRZ 210 b.	CHE	Nante	CHE
21021	104155	PI 370828	H. vulg.	SFRZ 210 e.	CHE	Nante	CHE
21022	104156	PI 370829	H. vulg.	SFRZ 211 a.	CHE	Pedrinat	CHE
21023	104157	PI 370830	H. vulg.	SFRZ 211 b.	CHE	Pedrinat	CHE
21024	104158	PI 370831	H. vulg.	SFRZ 215 a.	CHE	Pedrinat	CHE
21025	104159	PI 370832	H. vulg.	SFRZ 232 a.	CHE	Pfauengerste	CHE
21026	104160	PI 370833	H. vulg.	SFRZ 233 a.	CHE	Gattersleben H	CHE
21027	104161	PI 370834	H. vulg.	SFRZ 234 c.	CHE	Gattersleben H	CHE
21028	104162	PI 370835	H. vulg.	SFRZ 238 m.	CHE	Gattersleben H	CHE
21029	104163	PI 370836	H. vulg.	SFRZ 239 a.	CHE	Abessinian	CHE
21030	104164	PI 370838	H. vulg.	SFRZ 245 a.	CHE	Gattersl	CHE
21031	104165	PI 370839	H. vulg.	SFRZ 258 c.	AFG	-	CHE
21032	104166	PI 370840	H. vulg.	SFRZ 258 e.	AFG	-	CHE
21033	104167	PI 370841	H. vulg.	SFRZ 259 a.	AFG	-	CHE
21034	104168	PI 370842	H. vulg.	SFRZ 261 a.	AFG	-	CHE
21035	104169	PI 370843	H. vulg.	SFRZ 261 c.	AFG	-	CHE
21036	104170	PI 370844	H. vulg.	SFRZ 262 a.	AFG	-	CHE
21037	104171	PI 370845	H. vulg.	SFRZ 263 a.	AFG	-	CHE
21038	104172	PI 370846	H. vulg.	SFRZ 264 c.	CHE	Cierf's	CHE
21039	104173	PI 370848	H. vulg.	SFRZ 269 d.	CHE	Lu	CHE
21040	104174	PI 370849	H. vulg.	SFRZ 270 a.	CHE	Lu	CHE
21041	104175	PI 370850	H. vulg.	SFRZ 272 a.	CHE	Lussai	CHE
21042	104176	PI 370851	H. vulg.	SFRZ 272 b.	CHE	Lussai	CHE
21043	104177	PI 370852	H. vulg.	SFRZ 272 c.	CHE	Lussai	CHE
21044	104178	PI 370854	H. vulg.	SFRZ 287 c.	CHE	St. Maria	CHE
21045	104179	PI 370855	H. vulg.	SFRZ 287 d.	CHE	St. Maria	CHE
21046	104180	PI 370856	H. vulg.	SFRZ 287 e.	CHE	St. Maria	CHE

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
21047	104181	PI 370858	H. vulg.	SFRZ 292 b.	CHE	St. Maria	CHE
21048	104182	PI 370860	H. vulg.	SFRZ 293 a.	CHE	Valcava	CHE
21049	104183	PI 370863	H. vulg.	SFRZ 301 a.	CHE	Fuldera	CHE
21050	104184	PI 370864	H. vulg.	SFRZ 333 a.	CHE	Battledoor	CHE
21051	104185	PI 370865	H. vulg.	SFRZ 341 a.	CHE	Samnaun	CHE
21052	104186	PI 370866	H. vulg.	SFRZ 342 a.	CHE	Compatsch	CHE
21053	104187	PI 370868	H. vulg.	SFRZ 397 a.	CHE	Birgisch	CHE
21054	104188	PI 370869	H. vulg.	SFRZ 399 b.	CHE	Birgisch	CHE
21055	104189	PI 370870	H. vulg.	SFRZ 402 a.	CHE	Mund	CHE
21056	104190	PI 370871	H. vulg.	SFRZ 405 a.	CHE	Mund	CHE
21057	104191	PI 370872	H. vulg.	SFRZ 406 a.	CHE	Mund	CHE
21058	104192	PI 370873	H. vulg.	SFRZ 410 a.	CHE	Mund	CHE
21059	104193	PI 370874	H. vulg.	SFRZ 425 a.	CHE	Ausserberg	CHE
21060	104194	PI 370875	H. vulg.	SFRZ 493 a.	CHE	Ausserberg	CHE
21061	104195	PI 370876	H. vulg.	SFRZ 439 b.	CHE	Ausserberg	CHE
21062	104196	PI 370877	H. vulg.	SFRZ 445 b.	CHE	Gampel	CHE
21063	104197	PI 370878	H. vulg.	SFRZ 445 c.	CHE	Gampel	CHE
21064	104198	PI 370879	H. vulg.	SFRZ 446 a.	CHE	Gampel	CHE
21065	104199	PI 370880	H. vulg.	SFRZ 447 b.	CHE	Gampel	CHE
21066	104200	PI 370881	H. vulg.	SFRZ 464 a.	CHE	Erschmalt	CHE
21067	104201	PI 370882	H. vulg.	SFRZ 469 a.	CHE	Erschmalt	CHE
21068	104202	PI 370883	H. vulg.	SFRZ 478 a.	CHE	Erschmalt	CHE
21069	104203	PI 370884	H. vulg.	SFRZ 478 c.	CHE	Erschmalt	CHE
21070	104204	PI 370885	H. vulg.	SFRZ 479 a.	CHE	Erschmalt	CHE
21071	104205	PI 370886	H. vulg.	SFRZ 480 a.	CHE	Erschmalt	CHE
21072	104206	PI 370887	H. vulg.	SFRZ 498 a.	CHE	Guttet	CHE
21073	104207	PI 370888	H. vulg.	SFRZ 506 a.	CHE	Albinen	CHE
21074	104208	PI 370889	H. vulg.	SFRZ 508 a.	CHE	Albinen	CHE
21075	104209	PI 370890	H. vulg.	SFRZ 513 a.	CHE	Albinen	CHE
21076	104210	PI 370891	H. vulg.	SFRZ 519 a.	CHE	Albinen	CHE
21077	104211	PI 370892	H. vulg.	SFRZ 523 a.	CHE	Albinen	CHE
21078	104212	PI 370893	H. vulg.	SFRZ 527 Ic.	CHE	Vex	CHE
21079	104213	PI 370894	H. vulg.	SFRZ 527 IIa.	CHE	Vex	CHE
21080	104214	PI 370895	H. vulg.	SFRZ 527 IIc.	CHE	Vex	CHE
21081	104215	PI 370896	H. vulg.	SFRZ 529 Ib.	CHE	Vex	CHE
21082	104216	PI 370897	H. vulg.	SFRZ 530 b.	CHE	Vex	CHE
21083	104217	PI 370898	H. vulg.	SFRZ 532 a.	CHE	Vex	CHE
21084	104218	PI 370899	H. vulg.	SFRZ 532 c.	CHE	Vex	CHE
21085	104219	PI 370900	H. vulg.	SFRZ 532 d.	CHE	Vex	CHE
21086	104220	PI 370901	H. vulg.	SFRZ 539 c.	CHE	Heremence	CHE
21087	104221	PI 370902	H. vulg.	SFRZ 539 d.	CHE	Heremence	CHE
21088	104222	PI 370903	H. vulg.	SFRZ 542 c.	CHE	Heremence	CHE
21089	104223	PI 370904	H. vulg.	SFRZ 543 a.	CHE	Eusigne	CHE
21090	104224	PI 370905	H. vulg.	SFRZ 544 a.	CHE	Eusigne	CHE
21091	104225	PI 370906	H. vulg.	SFRZ 544 d.	CHE	Eusigne	CHE
21092	104226	PI 370907	H. vulg.	SFRZ 547 a.	CHE	Eusigne	CHE
21093	104227	PI 370908	H. vulg.	SFRZ 547 c.	CHE	Eusigne	CHE
21094	104228	PI 370909	H. vulg.	SFRZ 547 d.	CHE	Eusigne	CHE
21095	104229	PI 370910	H. vulg.	SFRZ 548 c.	CHE	Eusigne	CHE
21096	104230	PI 370911	H. vulg.	SFRZ 556 b.	CHE	St. Martin	CHE
21097	104231	PI 370913	H. vulg.	SFRZ 557 a.	CHE	St. Martin	CHE
21098	104232	PI 370914	H. vulg.	SFRZ 565 b.	CHE	Eison	CHE
21099	104233	PI 370915	H. vulg.	SFRZ 567 a.	CHE	Eison	CHE
21100	104234	PI 370917	H. vulg.	SFRZ 568 a.	CHE	Vernamiege	CHE
21101	104235	PI 370918	H. vulg.	SFRZ 569 a.	CHE	Vernamiege	CHE

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
21102	104236	PI 370919	H. vulg.	SFRZ 569 c.	CHE	Vernamiege	CHE
21103	104237	PI 370920	H. vulg.	SFRZ 576 a.	CHE	Mase	CHE
21104	104238	PI 370921	H. vulg.	SFRZ 577 a.	CHE	Mase	CHE
21105	104239	PI 370922	H. vulg.	SFRZ 579 a.	CHE	Nax	CHE
21106	104240	PI 370923	H. vulg.	SFRZ 579 e.	CHE	Nax	CHE
21107	104241	PI 370924	H. vulg.	SFRZ 579 f.	CHE	Nax	CHE
21108	104242	PI 370925	H. vulg.	SFRZ 580 a.	CHE	Nax	CHE
21109	104243	PI 370926	H. vulg.	SFRZ 580 d.	CHE	Nax	CHE
21110	104244	PI 370928	H. vulg.	SFRZ 582 b.	CHE	Nax	CHE
21111	104245	PI 370929	H. vulg.	SFRZ 582 c.	CHE	Nax	CHE
21112	104246	PI 370930	H. vulg.	SFRZ 584 a.	CHE	Nax	CHE
21113	104247	PI 370931	H. vulg.	SFRZ 584 b.	CHE	Nax	CHE
21114	104248	PI 370932	H. vulg.	SFRZ 584 e.	CHE	Nax	CHE
21115	104249	PI 370933	H. vulg.	SFRZ 586 a.	CHE	Nax	CHE
21116	104250	PI 370934	H. vulg.	SFRZ 589 a.	CHE	Nax	CHE
21117	104251	PI 370935	H. vulg.	SFRZ 589 c.	CHE	Nax	CHE
21118	104252	PI 370936	H. vulg.	SFRZ 589 e.	CHE	Nax	CHE
21119	104253	PI 370937	H. vulg.	SFRZ 589 f.	CHE	Nax	CHE
21120	104254	PI 370938	H. vulg.	SFRZ 590 a.	CHE	Nax	CHE
21121	104255	PI 370939	H. vulg.	SFRZ 590 c.	CHE	Nax	CHE
21122	104256	PI 370940	H. vulg.	SFRZ 597 a.	CHE	Sarreyer	CHE
21123	104257	PI 370941	H. vulg.	SFRZ 597 c.	CHE	Sarreyer	CHE
21124	104258	PI 370943	H. vulg.	SFRZ 600 a.	CHE	Sarreyer	CHE
21125	104259	PI 370944	H. vulg.	SFRZ 601 a.	CHE	Sarreyer	CHE
21126	104260	PI 370945	H. vulg.	SFRZ 604 a.	CHE	Sarreyer	CHE
21127	104261	PI 370946	H. vulg.	SFRZ 604 d.	CHE	Sarreyer	CHE
21128	104262	PI 370947	H. vulg.	SFRZ 605 b.	CHE	Sarreyer	CHE
21129	104263	PI 370948	H. vulg.	SFRZ 608 a.	CHE	Levron	CHE
21130	104264	PI 370949	H. vulg.	SFRZ 610 b.	CHE	Levron	CHE
21131	104265	PI 370950	H. vulg.	SFRZ 610 d.	CHE	Levron	CHE
21132	104266	PI 370952	H. vulg.	SFRZ 619 a.	CHE	Liddes	CHE
21133	104267	PI 370953	H. vulg.	SFRZ 619 b.	CHE	Liddes	CHE
21134	104268	PI 370954	H. vulg.	SFRZ 619 c.	CHE	Liddes	CHE
21135	104269	PI 370955	H. vulg.	SFRZ 628 c.	CHE	Liddes	CHE
21136	104270	PI 370956	H. vulg.	SFRZ 629 a.	CHE	La Rossiere	CHE
21137	104271	PI 370958	H. vulg.	SFRZ 629 c.	CHE	La Rossiere	CHE
21138	104272	PI 370959	H. vulg.	SFRZ 656 b.	CHE	Lax	CHE
21139	104273	PI 370960	H. vulg.	SFRZ 661 a.	CHE	Ernen	CHE
21140	104274	PI 370961	H. vulg.	SFRZ 661 c.	CHE	Ernen	CHE
21141	104275	PI 370962	H. vulg.	SFRZ 661 d.	CHE	Ernen	CHE
21142	104276	PI 370963	H. vulg.	SFRZ 674 a.	CHE	Grensiols	CHE
21143	104277	PI 370964	H. vulg.	SFRZ 674 f.	CHE	Grensiols	CHE
21144	104278	PI 370965	H. vulg.	SFRZ 681 a.	CHE	Binn	CHE
21145	104279	PI 370967	H. vulg.	SFRZ 683 e.	CHE	Muhlebach	CHE
21146	104280	PI 370968	H. vulg.	SFRZ 691 d.	CHE	Muhlebach	CHE
21147	104281	PI 370969	H. vulg.	SFRZ 696 b.	CHE	Muhlebach	CHE
21148	104282	PI 370970	H. vulg.	SFRZ 696 c.	CHE	Muhlebach	CHE
21149	104283	PI 370972	H. vulg.	SFRZ 701 c.	CHE	Steinhaus	CHE
21150	104284	PI 370973	H. vulg.	SFRZ 702 b.	CHE	Steinhaus	CHE
21151	104285	PI 370974	H. vulg.	SFRZ 705 c.	CHE	Steinhaus	CHE
21152	104286	PI 370976	H. vulg.	SFRZ 707 b.	CHE	Niederwald	CHE
21153	104287	PI 370977	H. vulg.	SFRZ 709 a.	CHE	Niederwald	CHE
21154	104288	PI 370978	H. vulg.	SFRZ 713 a.	CHE	Niederwald	CHE
21155	104289	PI 370979	H. vulg.	SFRZ 713 b.	CHE	Niederwald	CHE
21156	104290	PI 370980	H. vulg.	SFRZ 713 c.	CHE	Niederwald	CHE

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
21157	104291	PI 370981	H. vulg.	SFRZ 725 a.	CHE	Blitzingen	CHE
21158	104292	PI 370982	H. vulg.	SFRZ 725 e.	CHE	Blitzingen	CHE
21159	104293	PI 370983	H. vulg.	SFRZ 729 c.	CHE	Selhingen	CHE
21160	104294	PI 370985	H. vulg.	SFRZ 740 c.	CHE	Biel	CHE
21161	104295	PI 370986	H. vulg.	SFRZ 740 d.	CHE	Biel	CHE
21162	104296	PI 370987	H. vulg.	SFRZ 740 e.	CHE	Biel	CHE
21163	104297	PI 370988	H. vulg.	SFRZ 752 c.	CHE	Gluringen	CHE
21164	104298	PI 370989	H. vulg.	SFRZ 752 f.	CHE	Gluringen	CHE
21165	104299	PI 370990	H. vulg.	SFRZ 753 c.	CHE	Gluringen	CHE
21166	104300	PI 370991	H. vulg.	SFRZ 755 d.	CHE	Gluringen	CHE
21167	104301	PI 370992	H. vulg.	SFRZ 758 a.	CHE	Gluringen	CHE
21168	104302	PI 370993	H. vulg.	SFRZ 763 d.	CHE	Munster	CHE
21169	104303	PI 370994	H. vulg.	SFRZ 767 a.	CHE	Munster	CHE
21170	104304	PI 370995	H. vulg.	SFRZ 767 b.	CHE	Munster	CHE
21171	104305	PI 370996	H. vulg.	SFRZ 769 a.	CHE	Munster	CHE
21172	104306	PI 370997	H. vulg.	SFRZ 770 a.	CHE	Munster	CHE
21173	104307	PI 370998	H. vulg.	SFRZ 770 d.	CHE	Munster	CHE
21174	104308	PI 370999	H. vulg.	SFRZ 771 c.	CHE	Munster	CHE
21175	104309	PI 371000	H. vulg.	SFRZ 774 a.	CHE	Munster	CHE
21176	104310	PI 371002	H. vulg.	SFRZ 774 f.	CHE	Munster	CHE
21177	104311	PI 371003	H. vulg.	SFRZ 774 g.	CHE	Munster	CHE
21178	104312	PI 371004	H. vulg.	SFRZ 774 i.	CHE	Munster	CHE
21179	104313	PI 371005	H. vulg.	SFRZ 776 a.	CHE	Geschinen	CHE
21180	104314	PI 371006	H. vulg.	SFRZ 776 c.	CHE	Geschinen	CHE
21182	104315	PI 371007	H. vulg.	SFRZ 776 d.	CHE	Geschinen	CHE
21183	104316	PI 371008	H. vulg.	SFRZ 776 e.	CHE	Geschinen	CHE
21184	104317	PI 371009	H. vulg.	SFRZ 776 f.	CHE	Geschinen	CHE
21185	104318	PI 371010	H. vulg.	SFRZ 776 g.	CHE	Geschinen	CHE
21186	104319	PI 371011	H. vulg.	SFRZ 776 h.	CHE	Geschinen	CHE
21187	104320	PI 371012	H. vulg.	SFRZ 777 e.	CHE	Geschinen	CHE
21188	104321	PI 371014	H. vulg.	SFRZ 779 b.	CHE	Geschinen	CHE
21189	104322	PI 371015	H. vulg.	SFRZ 779 c.	CHE	Geschinen	CHE
21190	104323	PI 371016	H. vulg.	SFRZ 779 e.	CHE	Geschinen	CHE
21191	104324	PI 371017	H. vulg.	SFRZ 779 f.	CHE	Geschinen	CHE
21192	104325	PI 371018	H. vulg.	SFRZ 781 a.	CHE	Ulriken	CHE
21193	104326	PI 371019	H. vulg.	SFRZ 781 b.	CHE	Ulriken	CHE
21194	104327	PI 371020	H. vulg.	SFRZ 781 e.	CHE	Ulriken	CHE
21195	104328	PI 371021	H. vulg.	SFRZ 781 h.	CHE	Ulriken	CHE
21196	104329	PI 371022	H. vulg.	SFRZ 781 i.	CHE	Ulriken	CHE
21197	104330	PI 371023	H. vulg.	SFRZ 781 k.	CHE	Ulriken	CHE
21198	104331	PI 371024	H. vulg.	SFRZ 784 b.	CHE	Ulriken	CHE
21199	104332	PI 371025	H. vulg.	SFRZ 784 e.	CHE	Ulriken	CHE
21200	104333	PI 371026	H. vulg.	SFRZ 784 g.	CHE	Ulriken	CHE
21201	104334	PI 371027	H. vulg.	SFRZ 785 a.	CHE	Ulriken	CHE
21202	104335	PI 371028	H. vulg.	SFRZ 785 b.	CHE	Ulriken	CHE
21203	104336	PI 371029	H. vulg.	SFRZ 785 e.	CHE	Ulriken	CHE
21204	104337	PI 371030	H. vulg.	SFRZ 786 c.	CHE	Ulriken	CHE
21205	104338	PI 371032	H. vulg.	SFRZ 794 c.	CHE	Oberwald	CHE
21206	104339	PI 371033	H. vulg.	SFRZ 794 e.	CHE	Oberwald	CHE
21207	104340	PI 371034	H. vulg.	SFRZ 807 b.	CHE	Zeneggen	CHE
21208	104341	PI 371035	H. vulg.	SFRZ 810 a.	CHE	Burchen	CHE
21209	104342	PI 371036	H. vulg.	SFRZ 810 b.	CHE	Burchen	CHE
21210	104343	PI 371037	H. vulg.	SFRZ 814 a.	CHE	Burchen	CHE
21211	104344	PI 371038	H. vulg.	SFRZ 819 Ba.	CHE	Torbel	CHE
21212	104345	PI 371039	H. vulg.	SFRZ 840 Ca.	CHE	Sarisee	CHE

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
21213	104346	PI 371040	H. vulg.	SFRZ 840 Ch.	CHE	Sariese	CHE
21214	104347	PI 371041	H. vulg.	SFRZ 841 b.	CHE	Sariese	CHE
21215	104348	PI 371042	H. vulg.	SFRZ 842 Ca.	CHE	Sariese	CHE
21216	104349	PI 371043	H. vulg.	SFRZ 842 Ch.	CHE	Sariese	CHE
21217	104350	PI 371044	H. vulg.	SFRZ 842 Cd.	CHE	Sariese	CHE
21218	104351	PI 371045	H. vulg.	SFRZ 842 Ce.	CHE	Sariese	CHE
21219	104352	PI 371046	H. vulg.	SFRZ 845 a.	CHE	Sariese	CHE
21220	104353	PI 371047	H. vulg.	SFRZ 851 b.	CHE	Sariese	CHE
21221	104354	PI 371048	H. vulg.	SFRZ 855 a.	CHE	Sariese	CHE
21222	104355	PI 371049	H. vulg.	SFRZ 864 a.	CHE	Grimisuat	CHE
21223	104356	PI 371050	H. vulg.	SFRZ 865 a.	CHE	Arbaz	CHE
21224	104357	PI 371051	H. vulg.	SFRZ 867 Bb.	CHE	Arbaz	CHE
21225	104358	PI 371052	H. vulg.	SFRZ 871 a.	CHE	Arbaz	CHE
21226	104359	PI 371053	H. vulg.	SFRZ 871 b.	CHE	Arbaz	CHE
21227	104360	PI 371054	H. vulg.	SFRZ 847 a.	CHE	Arbaz	CHE
21228	104361	PI 371055	H. vulg.	SFRZ 879 a.	CHE	Agent	CHE
21229	104362	PI 371056	H. vulg.	SFRZ 880 b.	CHE	Agent	CHE
21230	104363	PI 371057	H. vulg.	SFRZ 882 a.	CHE	Lens	CHE
21231	104364	PI 371058	H. vulg.	SFRZ 882 b.	CHE	Lens	CHE
21231	104365	PI 371059	H. vulg.	SFRZ 888 a.	CHE	Lens	CHE
21232	104366	PI 371060	H. vulg.	SFRZ 903 a.	CHE	Icogne	CHE
21233	104367	PI 371061	H. vulg.	SFRZ 905 a.	CHE	Chermignon	CHE
21234	104368	PI 371062	H. vulg.	SFRZ 934 a.	CHE	Eischoll	CHE
21235	104369	PI 371063	H. vulg.	SFRZ 934 b.	CHE	Eischoll	CHE
21236	104370	PI 371064	H. vulg.	SFRZ 934 c.	CHE	Eischoll	CHE
21237	104371	PI 371065	H. vulg.	SFRZ 934 d.	CHE	Eischoll	CHE
21238	104372	PI 371066	H. vulg.	SFRZ 934 f.	CHE	Eischoll	CHE
21239	104373	PI 371067	H. vulg.	SFRZ 956 a.	CHE	St.Niklans	CHE
21240	104374	PI 371068	H. vulg.	SFRZ 956 c.	CHE	St.Niklans	CHE
21241	104375	PI 371070	H. vulg.	SFRZ 959 Ba.	CHE	St.Niklans	CHE
21242	104376	PI 371071	H. vulg.	SFRZ 959 Bb.	CHE	St.Niklans	CHE
21243	104377	PI 371072	H. vulg.	SFRZ 961 b.	CHE	Grachen	CHE
21244	104378	PI 371073	H. vulg.	SFRZ 963 a.	CHE	Grachen	CHE
21245	104379	PI 371074	H. vulg.	SFRZ 969 a.	CHE	St.Niklans	CHE
21246	104380	PI 371075	H. vulg.	SFRZ 974 Ba.	CHE	Embol	CHE
21247	104381	PI 371076	H. vulg.	SFRZ 947 Bb.	CHE	Embol	CHE
21248	104382	PI 371077	H. vulg.	SFRZ 975 Ca.	CHE	Embol	CHE
21249	104383	PI 371079	H. vulg.	SFRZ 985 b.	CHE	Bitsch	CHE
21250	104384	PI 371081	H. vulg.	SFRZ 992 a.	CHE	Ried-Morel	CHE
21251	104385	PI 371082	H. vulg.	SFRZ 998 a.	CHE	Ried-Morel	CHE
21252	104386	PI 371085	H. vulg.	SFRZ 1008 a.	CHE	Greich	CHE
21253	104387	PI 371088	H. vulg.	SFRZ 1022 b.	CHE	Bister	CHE
21254	104388	PI 371089	H. vulg.	SFRZ 1022 c.	CHE	Bister	CHE
21255	104389	PI 371090	H. vulg.	SFRZ 1024 a.	CHE	Bister	CHE
21256	104390	PI 371091	H. vulg.	SFRZ 1026 b.	CHE	Bister	CHE
21257	104391	PI 371092	H. vulg.	SFRZ 1030 a.	CHE	Bister	CHE
21258	104392	PI 371093	H. vulg.	SFRZ 1031 a.	CHE	Betten	CHE
21259	104393	PI 371094	H. vulg.	SFRZ 1031 b.	CHE	Betten	CHE
21260	104394	PI 371095	H. vulg.	SFRZ 1042 Ca.	CHE	Goppisberg	CHE
21261	104395	PI 371096	H. vulg.	SFRZ 1046 a.	CHE	Goppisberg	CHE
21262	104396	PI 371097	H. vulg.	SFRZ 1053 a.	CHE	Betten	CHE
21263	104397	PI 371098	H. vulg.	SFRZ 1057 a.	CHE	Betten	CHE
21264	104398	PI 371099	H. vulg.	SFRZ 1062 a.	CHE	Grengiols	CHE
21265	104399	PI 371100	H. vulg.	SFRZ 1065 b.	CHE	Grengiols	CHE
21266	104400	PI 371101	H. vulg.	SFRZ 1069 a.	CHE	Grengiols	CHE

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
21267	104401	PI 371103	H. vulg.	SFRZ 1072 b.	CHE	Grengiols	CHE
21268	104402	PI 371104	H. vulg.	SFRZ 1080 a.	CHE	Martisberg	CHE
21269	104403	PI 371105	H. vulg.	SFRZ 1083 a.	CHE	Martisberg	CHE
21270	104404	PI 371106	H. vulg.	SFRZ 1086 b.	CHE	Sariese	CHE
21271	104405	PI 371107	H. vulg.	SFRZ 1089 a.	CHE	Les Agettes	CHE
21272	104406	PI 371108	H. vulg.	SFRZ 1094 a.	CHE	Les Agettes	CHE
21273	104407	PI 371109	H. vulg.	SFRZ 1097 a.	CHE	Les Agettes	CHE
21274	104408	PI 371111	H. vulg.	SFRZ 1101 Bb.	CHE	Les Agettes	CHE
21275	104409	PI 371112	H. vulg.	SFRZ 1104 a.	CHE	Veysonnaz	CHE
21276	104410	PI 371113	H. vulg.	SFRZ 1104 b.	CHE	Veysonnaz	CHE
21277	104411	PI 371114	H. vulg.	SFRZ 1107 a.	CHE	Veysonnaz	CHE
21278	104412	PI 371115	H. vulg.	SFRZ 1116 Ba.	CHE	Nendaz	CHE
21279	104413	PI 371116	H. vulg.	SFRZ 1116 b.	CHE	Nendaz	CHE
21280	104414	PI 371117	H. vulg.	SFRZ 1123	CHE	Nendaz	CHE
21281	104415	PI 371118	H. vulg.	SFRZ 1128 a.	CHE	Fey	CHE
21282	104416	PI 371120	H. vulg.	SFRZ 1128 c.	CHE	Fey	CHE
21283	104417	PI 371121	H. vulg.	SFRZ 1131 a.	CHE	Condemines	CHE
21284	104418	PI 371122	H. vulg.	SFRZ 1131 b.	CHE	Condemines	CHE
21285	104419	PI 371124	H. vulg.	SFRZ 1140 a.	CHE	Iserables	CHE
21286	104420	PI 371125	H. vulg.	SFRZ 1143 a.	CHE	Iserables	CHE
21287	104421	PI 371126	H. vulg.	SFRZ 1143 b.	CHE	Iserables	CHE
21288	104422	PI 371128	H. vulg.	SFRZ 1162 a.	CHE	Blatten	CHE
21289	104423	PI 371129	H. vulg.	SFRZ 1173 a.	CHE	Blatten	CHE
21290	104424	PI 371131	H. vulg.	SFRZ 1174 a.	CHE	Ferden	CHE
21291	104425	PI 371132	H. vulg.	SFRZ 1179 a.	CHE	Kippel	CHE
21292	104426	PI 371133	H. vulg.	SFRZ 1182 b.	CHE	Kippel	CHE
21293	104427	PI 371134	H. vulg.	SFRZ 1187 b.	CHE	Liler	CHE
21294	104428	PI 371135	H. vulg.	SFRZ 1187 c.	CHE	Liler	CHE
21295	104429	PI 371136	H. vulg.	SFRZ 1204 b.	CHE	Bagnes	CHE
21296	104430	PI 371137	H. vulg.	SFRZ 1221 a.	CHE	Orsieres	CHE
21297	104431	PI 371138	H. vulg.	SFRZ 1225 a.	CHE	Val Ferret	CHE
21298	104432	PI 371139	H. vulg.	SFRZ 1226 Ba.	CHE	Val Ferret	CHE
21299	104433	PI 371140	H. vulg.	SFRZ 1227 a.	CHE	Val Ferret	CHE
21300	104434	PI 371141	H. vulg.	SFRZ 1228 a.	CHE	Verossas	CHE
21301	104435	PI 371143	H. vulg.	SFRZ 1247 Cb.	CHE	Les Hauderes	CHE
21302	104436	PI 371144	H. vulg.	SFRZ 1247 Cc.	CHE	Les Hauderes	CHE
21303	104437	PI 371145	H. vulg.	SFRZ 1249 a.	CHE	Evolene	CHE
21304	104438	PI 371146	H. vulg.	SFRZ 1249 c.	CHE	Evolene	CHE
21305	104439	PI 371147	H. vulg.	SFRZ 1250 a.	CHE	Evolene	CHE
21306	104440	PI 371148	H. vulg.	SFRZ 1251 a.	CHE	Evolene	CHE
21307	104441	PI 371149	H. vulg.	SFRZ 1251 c.	CHE	Evolene	CHE
21308	104442	PI 371150	H. vulg.	SFRZ 1257 a.	CHE	Grone	CHE
21309	104443	PI 371151	H. vulg.	SFRZ 1264 a.	CHE	Vissale	CHE
21310	104444	PI 371152	H. vulg.	SFRZ 1265 a.	CHE	St. Jean	CHE
21311	104445	PI 371153	H. vulg.	SFRZ 1265 d.	CHE	St. Jean	CHE
21312	104446	PI 371154	H. vulg.	SFRZ 1265 e.	CHE	St. Jean	CHE
21313	104447	PI 371155	H. vulg.	SFRZ 1265 f.	CHE	St. Jean	CHE
21314	104448	PI 371156	H. vulg.	SFRZ 1265 g.	CHE	St. Jean	CHE
21315	104449	PI 371157	H. vulg.	SFRZ 1267 b.	CHE	St. Jean	CHE
21316	104450	PI 371158	H. vulg.	SFRZ 1267 c.	CHE	St. Jean	CHE
21317	104451	PI 371159	H. vulg.	SFRZ 1267 d.	CHE	St. Jean	CHE
21318	104452	PI 371160	H. vulg.	SFRZ 1268 b.	CHE	St. Jean	CHE
21319	104453	PI 371161	H. vulg.	SFRZ 1268 b.	CHE	St. Jean	CHE
21320	104454	PI 371162	H. vulg.	SFRZ 1271 Cb.	CHE	St. Jean	CHE
21321	104455	PI 371163	H. vulg.	SFRZ 1273 a.	CHE	St. Jean	CHE

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
21322	104456	PI 371164	H. vulg.	SFRZ 1275 a.	CHE	Griments	CHE
21323	104457	PI 371166	H. vulg.	SFRZ 1277 a.	CHE	Griments	CHE
21324	104458	PI 371167	H. vulg.	SFRZ 1277 b.	CHE	Griments	CHE
21325	104459	PI 371168	H. vulg.	SFRZ 1279 a.	CHE	Ayer	CHE
21326	104460	PI 371170	H. vulg.	SFRZ 1279 c.	CHE	Ayer	CHE
21327	104461	PI 371171	H. vulg.	SFRZ 1282 a.	CHE	Ayer	CHE
21328	104462	PI 371172	H. vulg.	SFRZ 1282 b.	CHE	Ayer	CHE
21329	104463	PI 371173	H. vulg.	SFRZ 1282 c.	CHE	Ayer	CHE
21330	104464	PI 371174	H. vulg.	SFRZ 1282 f.	CHE	Ayer	CHE
21331	104465	PI 371175	H. vulg.	SFRZ 1283 a.	CHE	Ayer	CHE
21332	104466	PI 371176	H. vulg.	SFRZ 1283 c.	CHE	Ayer	CHE
21333	104467	PI 371178	H. vulg.	SFRZ 1297 a.	CHE	Vercorin	CHE
21334	104468	PI 371179	H. vulg.	SFRZ 1297 b.	CHE	Vercorin	CHE
21335	104469	PI 371180	H. vulg.	SFRZ 1301 a.	CHE	Saas-Grund	CHE
21336	104470	PI 371181	H. vulg.	SFRZ 1301 d.	CHE	Saas-Grund	CHE
21337	104471	PI 371182	H. vulg.	SFRZ 1304 a.	CHE	Saas-Grund	CHE
21338	104472	PI 371183	H. vulg.	SFRZ 1305 c.	CHE	Saas-Grund	CHE
21339	104473	PI 371185	H. vulg.	SFRZ 1308 Ba.	CHE	Saas-Balen	CHE
21340	104474	PI 371186	H. vulg.	SFRZ 1309 a.	CHE	Saas-Balen	CHE
21341	104475	PI 371187	H. vulg.	SFRZ 1309 c.	CHE	Saas-Balen	CHE
21342	104476	PI 371188	H. vulg.	SFRZ 1310 b.	CHE	Saas-Balen	CHE
21343	104477	PI 371190	H. vulg.	SFRZ 1314 c.	CHE	Saas-Balen	CHE
21344	104478	PI 371191	H. vulg.	SFRZ 1315 b.	CHE	Saas-Balen	CHE
21345	104479	PI 371192	H. vulg.	SFRZ 1315 c.	CHE	Saas-Balen	CHE
21346	104480	PI 371193	H. vulg.	SFRZ 1316 b.	CHE	Saas-Balen	CHE
21347	104481	PI 371194	H. vulg.	SFRZ 1317 b.	CHE	Saas-Balen	CHE
21348	104482	PI 371195	H. vulg.	SFRZ 1317 c.	CHE	Saas-Balen	CHE
21349	104483	PI 371196	H. vulg.	SFRZ 1318 d.	CHE	Saas-Balen	CHE
21350	104484	PI 371197	H. vulg.	SFRZ 1319 a.	CHE	Saas-Balen	CHE
21351	104485	PI 371198	H. vulg.	SFRZ 1320 a.	CHE	Saas-Balen	CHE
21352	104486	PI 371200	H. vulg.	SFRZ 1325 a.	CHE	Saas-Grund	CHE
21353	104487	PI 371201	H. vulg.	SFRZ 1325 d.	CHE	Saas-Grund	CHE
21354	104488	PI 371202	H. vulg.	SFRZ 1327 b.	CHE	Saas-Grund	CHE
21355	104489	PI 371203	H. vulg.	SFRZ 1328 b.	CHE	Saas-Fee	CHE
21356	104490	PI 371204	H. vulg.	SFRZ 1329 b.	CHE	Saas-Fee	CHE
21357	104491	PI 371205	H. vulg.	SFRZ 1330 Bb.	CHE	Saas-Fee	CHE
21358	104492	PI 371206	H. vulg.	SFRZ 1331 d.	CHE	Saas-Grund	CHE
21359	104493	PI 371207	H. vulg.	SFRZ 1332 a.	CHE	Saas-Almagell	CHE
21360	104494	PI 371208	H. vulg.	SFRZ 1334 b.	CHE	Saas-Almagell	CHE
21361	104495	PI 371209	H. vulg.	SFRZ 1335 a.	CHE	Saas-Almagell	CHE
21362	104496	PI 371210	H. vulg.	SFRZ 1335 c.	CHE	Saas-Almagell	CHE
21363	104497	PI 371211	H. vulg.	SFRZ 1336 a.	CHE	Saas-Grund	CHE
21364	104498	PI 371212	H. vulg.	SFRZ 1337 Ba.	CHE	Saas-Balen	CHE
21365	104499	PI 371213	H. vulg.	SFRZ 1337 b.	CHE	Saas-Balen	CHE
21366	104500	PI 371214	H. vulg.	SFRZ 1339 a.	CHE	Eisten	CHE
21367	104501	PI 371215	H. vulg.	SFRZ 1340 a.	CHE	St. Niklaus	CHE
21368	104502	PI 371216	H. vulg.	SFRZ 1340 b.	CHE	St. Niklaus	CHE
21369	104503	PI 371217	H. vulg.	SFRZ 1340 c.	CHE	St. Niklaus	CHE
21370	104504	PI 371218	H. vulg.	SFRZ 1344 a.	CHE	St. Niklaus	CHE
21371	104505	PI 371219	H. vulg.	SFRZ 1344 b.	CHE	St. Niklaus	CHE
21372	104506	PI 371220	H. vulg.	SFRZ 1344 c.	CHE	St. Niklaus	CHE
21373	104507	PI 371221	H. vulg.	SFRZ 1344 d.	CHE	St. Niklaus	CHE
21374	104508	PI 371222	H. vulg.	SFRZ 1344 e.	CHE	St. Niklaus	CHE
21375	104509	PI 371223	H. vulg.	SFRZ 1349 a.	CHE	Randa	CHE
21376	104510	PI 371224	H. vulg.	SFRZ 1352 Ca.	CHE	Randa	CHE

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
21377	104511	PI 371225	H. vulg.	SFRZ 1352 Cb.	CHE	Randa	CHE
21378	104512	PI 371226	H. vulg.	SFRZ 1352 Cc.	CHE	Randa	CHE
21379	104513	PI 371227	H. vulg.	SFRZ 1352 Cd.	CHE	Randa	CHE
21380	104514	PI 371228	H. vulg.	SFRZ 1352 g.	CHE	Randa	CHE
21381	104515	PI 371230	H. vulg.	SFRZ 1355 b.	CHE	Tasch	CHE
21382	104516	PI 371231	H. vulg.	SFRZ 1355 c.	CHE	Tasch	CHE
21383	104517	PI 371232	H. vulg.	SFRZ 1359 a.	CHE	Tasch	CHE
21384	104518	PI 371233	H. vulg.	SFRZ 1359 b.	CHE	Tasch	CHE
21385	104519	PI 371234	H. vulg.	SFRZ 1360 a.	CHE	Tasch	CHE
21386	104520	PI 371235	H. vulg.	SFRZ 1363 a.	CHE	Tasch	CHE
21387	104521	PI 371236	H. vulg.	SFRZ 1363 b.	CHE	Tasch	CHE
21388	104522	PI 371240	H. vulg.	SFRZ 1787 Bb.	CHE	Scharans	CHE
21389	104523	PI 371241	H. vulg.	SFRZ 1789 Bb.	CHE	Prin	CHE
21390	104524	PI 371242	H. vulg.	SFRZ 1749 a.	CHE	Almens	CHE
21391	104525	PI 371243	H. vulg.	SFRZ 1796 a.	CHE	Trans	CHE
21392	104526	PI 371245	H. vulg.	SFRZ 1796 c.	CHE	Trans	CHE
21393	104527	PI 371246	H. vulg.	SFRZ 1799 a.	CHE	Trans	CHE
21394	104528	PI 371247	H. vulg.	SFRZ 1803 a.	CHE	Trans	CHE
21395	104529	PI 371248	H. vulg.	SFRZ 1809 a.	CHE	Praz	CHE
21396	104530	PI 371249	H. vulg.	SFRZ 1814 a.	CHE	Scheid	CHE
21397	104531	PI 371250	H. vulg.	SFRZ 1815 b.	CHE	Scheid	CHE
21398	104532	PI 371251	H. vulg.	SFRZ 1816 a.	CHE	Scheid	CHE
21399	104533	PI 371252	H. vulg.	SFRZ 1818 a.	CHE	Scheid	CHE
21400	104534	PI 371253	H. vulg.	SFRZ 1818 b.	CHE	Scheid	CHE
21404	104535	PI 371254	H. vulg.	SFRZ 1818 c.	CHE	Scheid	CHE
21402	104536	PI 371255	H. vulg.	SFRZ 1820 Ba.	CHE	Scheid	CHE
21403	104537	PI 371256	H. vulg.	SFRZ 1820 Bd.	CHE	Scheid	CHE
21404	104538	PI 371258	H. vulg.	SFRZ 1821 b.	CHE	Scheid	CHE
21405	104539	PI 371259	H. vulg.	SFRZ 1823 a.	CHE	Feldis	CHE
21406	104540	PI 371260	H. vulg.	SFRZ 1825 a.	CHE	Feldis	CHE
21407	104541	PI 371261	H. vulg.	SFRZ 1826 a.	CHE	Feldis	CHE
21408	104542	PI 371262	H. vulg.	SFRZ 1831 b.	CHE	Ladir	CHE
21409	104543	PI 371263	H. vulg.	SFRZ 1831 c.	CHE	Ladir	CHE
21410	104544	PI 371264	H. vulg.	SFRZ 1832 a.	CHE	Ladir	CHE
21411	104545	PI 371265	H. vulg.	SFRZ 1832 b.	CHE	Ladir	CHE
21412	104546	PI 371266	H. vulg.	SFRZ 1838 Bb.	CHE	Siat	CHE
21413	104547	PI 371267	H. vulg.	SFRZ 1839 a.	CHE	Siat	CHE
21414	104548	PI 371268	H. vulg.	SFRZ 1850 a.	CHE	Panix	CHE
21415	104549	PI 371269	H. vulg.	SFRZ 1851 a.	CHE	Vuorz	CHE
21416	104550	PI 371270	H. vulg.	SFRZ 1857 b.	CHE	Vuorz	CHE
21417	104551	PI 371271	H. vulg.	SFRZ 1857 d.	CHE	Vuorz	CHE
21418	104552	PI 371272	H. vulg.	SFRZ 1866 b.	CHE	Andiaast	CHE
21419	104553	PI 371273	H. vulg.	SFRZ 1871 a.	CHE	Andiaast	CHE
21420	104554	PI 371274	H. vulg.	SFRZ 1871 b.	CHE	Andiaast	CHE
21421	104555	PI 371275	H. vulg.	SFRZ 1871 c.	CHE	Andiaast	CHE
21422	104556	PI 371276	H. vulg.	SFRZ 1879 Ba.	CHE	Andiaast	CHE
21423	104557	PI 371277	H. vulg.	SFRZ 1879 b.	CHE	Andiaast	CHE
21424	104558	PI 371278	H. vulg.	SFRZ 1879 Bc.	CHE	Andiaast	CHE
21425	104559	PI 371279	H. vulg.	SFRZ 1894 a.	CHE	Brigels	CHE
21426	104560	PI 371280	H. vulg.	SFRZ 1884 b.	CHE	Brigels	CHE
21427	104561	PI 371281	H. vulg.	SFRZ 1884 c.	CHE	Brigels	CHE
21428	104562	PI 371282	H. vulg.	SFRZ 1884 d.	CHE	Brigels	CHE
21429	104563	PI 371283	H. vulg.	SFRZ 1884 e.	CHE	Brigels	CHE
21430	104564	PI 371284	H. vulg.	SFRZ 1884 f.	CHE	Brigels	CHE
21431	104565	PI 371285	H. vulg.	SFRZ 1884 g.	CHE	Brigels	CHE

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
21432	104566	PI 371286	H. vulg.	SFRZ 1886 c.	CHE	Brigels	CHE
21433	104567	PI 371287	H. vulg.	SFRZ 1889 a.	CHE	Brigels	CHE
21434	104568	PI 371288	H. vulg.	SFRZ 1891 Ba.	CHE	Capeter	CHE
21435	104569	PI 371289	H. vulg.	SFRZ 1859 Ba.	CHE	Casut	CHE
21436	104570	PI 371290	H. vulg.	SFRZ 1898 Ba.	CHE	Casut	CHE
21437	104571	PI 371291	H. vulg.	SFRZ 1900 Ba.	CHE	Schlans	CHE
21438	104572	PI 371292	H. vulg.	SFRZ 1900 Bb.	CHE	Schlans	CHE
21439	104573	PI 371293	H. vulg.	SFRZ 1825 b.	CHE	Lens	CHE
21440	104574	PI 371294	H. vulg.	SFRZ 1926 a.	CHE	Lens	CHE
21441	104575	PI 371295	H. vulg.	SFRZ 1926 e.	CHE	Lens	CHE
21442	104576	PI 371296	H. vulg.	SFRZ 1926 f.	CHE	Lens	CHE
21443	104577	PI 371297	H. vulg.	SFRZ 1928 a.	CHE	Lens	CHE
21444	104578	PI 371298	H. vulg.	SFRZ 1928 d.	CHE	Lens	CHE
21445	104579	PI 371299	H. vulg.	SFRZ 1929 a.	CHE	Lens	CHE
21446	104580	PI 371300	H. vulg.	SFRZ 1931 a.	CHE	Lens	CHE
21447	104581	PI 371301	H. vulg.	SFRZ 1931 b.	CHE	Lens	CHE
21448	104582	PI 371302	H. vulg.	SFRZ 1932 b.	CHE	Lens	CHE
21449	104583	PI 371303	H. vulg.	SFRZ 1932 d.	CHE	Lens	CHE
21450	104584	PI 371304	H. vulg.	SFRZ 1934 a.	CHE	Lens	CHE
21451	104585	PI 371305	H. vulg.	SFRZ 1937 a.	CHE	Segnes	CHE
21452	104586	PI 371306	H. vulg.	SFRZ 1937 b.	CHE	Segnes	CHE
21453	104587	PI 371307	H. vulg.	SFRZ 1940 Ba.	CHE	Carergia	CHE
21454	104588	PI 371308	H. vulg.	SFRZ 1942 a.	CHE	Sedrun	CHE
21455	104589	PI 371309	H. vulg.	SFRZ 1943 a.	CHE	Surrein	CHE
21456	104590	PI 371310	H. vulg.	SFRZ 1943 b.	CHE	Surrein	CHE
21457	104591	PI 371311	H. vulg.	SFRZ 1943 c.	CHE	Surrein	CHE
21458	104592	PI 371312	H. vulg.	SFRZ 1946 a.	CHE	Rueras	CHE
21459	104593	PI 371313	H. vulg.	SFRZ 1946 c.	CHE	Rueras	CHE
21460	104594	PI 371314	H. vulg.	SFRZ 1946 g.	CHE	Rueras	CHE
21461	104595	PI 371315	H. vulg.	SFRZ 1947 a.	CHE	Rueras	CHE
21462	104596	PI 371316	H. vulg.	SFRZ 1948 b.	CHE	Rueras	CHE
21463	104597	PI 371317	H. vulg.	SFRZ 1948 d.	CHE	Rueras	CHE
21464	104598	PI 371318	H. vulg.	SFRZ 1948 e.	CHE	Rueras	CHE
21465	104599	PI 371319	H. vulg.	SFRZ 1948 f.	CHE	Rueras	CHE
21466	104600	PI 371320	H. vulg.	SFRZ 1948 g.	CHE	Rueras	CHE
21467	104601	PI 371321	H. vulg.	SFRZ 1952 a.	CHE	Pardomat	CHE
21468	104602	PI 371322	H. vulg.	SFRZ 1958 a.	CHE	Curaglia	CHE
21469	104603	PI 371323	H. vulg.	SFRZ 1958 c.	CHE	Curaglia	CHE
21470	104604	PI 371324	H. vulg.	SFRZ 1961 b.	CHE	Acla	CHE
21471	104605	PI 371325	H. vulg.	SFRZ 1961 d.	CHE	Acla	CHE
21472	104606	PI 371326	H. vulg.	SFRZ 1964 b.	CHE	Riein	CHE
21473	104607	PI 371327	H. vulg.	SFRZ 1964 c.	CHE	Riein	CHE
21474	104608	PI 371328	H. vulg.	SFRZ 1964 e.	CHE	Riein	CHE
21475	104609	PI 371329	H. vulg.	SFRZ 1965 a.	CHE	Riein	CHE
21476	104610	PI 371330	H. vulg.	SFRZ 1966 a.	CHE	Signina	CHE
21477	104611	PI 371331	H. vulg.	SFRZ 1966 b.	CHE	Signina	CHE
21478	104612	PI 371332	H. vulg.	SFRZ 1968 b.	CHE	Signina	CHE
21479	104613	PI 371333	H. vulg.	SFRZ 1968 c.	CHE	Signina	CHE
21480	104614	PI 371334	H. vulg.	SFRZ 1969 Ba.	CHE	Meierhof	CHE
21481	104615	PI 371335	H. vulg.	SFRZ 1970 Ba.	CHE	Platta	CHE
21482	104616	PI 371337	H. vulg.	SFRZ 1970 Bc.	CHE	Platta	CHE
21483	104617	PI 371338	H. vulg.	SFRZ 1970 Bd.	CHE	Platta	CHE
21484	104618	PI 371339	H. vulg.	SFRZ 1971 Ba.	CHE	Meierhof	CHE
21485	104619	PI 371340	H. vulg.	SFRZ 1971 b.	CHE	Meierhof	CHE
21486	104620	PI 371341	H. vulg.	SFRZ 1971 d.	CHE	Meierhof	CHE

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
21487	104621	PI 371342	H. vulg.	SFRZ 1971 e.	CHE	Meierhof	CHE
21488	104622	PI 371343	H. vulg.	SFRZ 1971 f.	CHE	Meierhof	CHE
21489	104623	PI 371344	H. vulg.	SFRZ 1971 h.	CHE	Meierhof	CHE
21490	104624	PI 371345	H. vulg.	SFRZ 1971 i.	CHE	Meierhof	CHE
21491	104625	PI 371346	H. vulg.	SFRZ 1972 a.	CHE	Misanenga	CHE
21492	104626	PI 371347	H. vulg.	SFRZ 1972 b.	CHE	Misanenga	CHE
21493	104627	PI 371348	H. vulg.	SFRZ 1972 c.	CHE	Misanenga	CHE
21494	104628	PI 371349	H. vulg.	SFRZ 1972 e.	CHE	Misanenga	CHE
21495	104629	PI 371350	H. vulg.	SFRZ 1973 a.	CHE	St. Martin	CHE
21496	104630	PI 371351	H. vulg.	SFRZ 1975 b.	CHE	Fuormis	CHE
21497	104631	PI 371352	H. vulg.	SFRZ 1976 b.	CHE	Fuormis	CHE
21498	104632	PI 371353	H. vulg.	SFRZ 1977 a.	CHE	Parde	CHE
21499	104633	PI 371355	H. vulg.	SFRZ 1978 a.	CHE	Platta	CHE
21500	104634	PI 371356	H. vulg.	SFRZ 1978 c.	CHE	Platta	CHE
21501	104635	PI 371357	H. vulg.	SFRZ 1978 d.	CHE	Platta	CHE
21502	104636	PI 371358	H. vulg.	SFRZ 1978 e.	CHE	Platta	CHE
21503	104637	PI 371359	H. vulg.	SFRZ 1979 b.	CHE	Platta	CHE
21504	104638	PI 371360	H. vulg.	SFRZ 1981 a.	CHE	Susch	CHE
21505	104639	PI 371361	H. vulg.	SFRZ 1981 b.	CHE	Susch	CHE
21506	104640	PI 371362	H. vulg.	SFRZ 1981 c.	CHE	Susch	CHE
21507	104641	PI 371363	H. vulg.	SFRZ 1983 a.	CHE	Susch	CHE
21508	104642	PI 371364	H. vulg.	SFRZ 1983 b.	CHE	Susch	CHE
21509	104643	PI 371365	H. vulg.	SFRZ 1985 a.	CHE	Lavin	CHE
21510	104644	PI 371366	H. vulg.	SFRZ 1986 a.	CHE	Lavin	CHE
21511	104645	PI 371367	H. vulg.	SFRZ 1986 c.	CHE	Lavin	CHE
21512	104646	PI 371368	H. vulg.	SFRZ 1986 d.	CHE	Lavin	CHE
21513	104647	PI 371369	H. vulg.	SFRZ 1987 a.	CHE	Giarsun	CHE
21514	104648	PI 371370	H. vulg.	SFRZ 1988 d.	CHE	Giarsun	CHE
21515	104649	PI 371371	H. vulg.	SFRZ 1988 f.	CHE	Giarsun	CHE
21516	104650	PI 371372	H. vulg.	SFRZ 1988 g.	CHE	Giarsun	CHE
21517	104651	PI 371373	H. vulg.	SFRZ 1990 a.	CHE	Zernez	CHE
21518	104652	PI 371374	H. vulg.	SFRZ 1990 c.	CHE	Zernez	CHE
21519	104653	PI 371375	H. vulg.	SFRZ 1994 a.	CHE	Guarda	CHE
21520	104654	PI 371376	H. vulg.	SFRZ 1994 b.	CHE	Guarda	CHE
21521	104655	PI 371377	H. vulg.	SFRZ 1994 c.	CHE	Guarda	CHE
21522	104656	PI 371378	H. vulg.	SFRZ 1996 a.	CHE	Ravaisch	CHE
21523	104657	PI 371380	H. vulg.	SFRZ 1997 c.	CHE	Ravaisch	CHE
21524	104658	PI 371382	H. vulg.	SFRZ 1999 b.	CHE	Plan	CHE
21525	104659	PI 371383	H. vulg.	SFRZ 2000 b.	CHE	Laret	CHE
21526	104660	PI 371384	H. vulg.	SFRZ 2001 a.	CHE	Compatsch	CHE
21527	104661	PI 371385	H. vulg.	SFRZ 2001 b.	CHE	Compatsch	CHE
21528	104662	PI 371386	H. vulg.	SFRZ 2002 b.	CHE	Compatsch	CHE
21529	104663	PI 371387	H. vulg.	SFRZ 2003 a.	CHE	Compatsch	CHE
21530	104664	PI 371388	H. vulg.	SFRZ 2003 b.	CHE	Compatsch	CHE
21531	104665	PI 371389	H. vulg.	SFRZ 2003 c.	CHE	Compatsch	CHE
21532	104666	PI 371390	H. vulg.	SFRZ 2004 b.	CHE	Fetan	CHE
21533	104667	PI 371391	H. vulg.	SFRZ 2004 c.	CHE	Fetan	CHE
21534	104668	PI 371392	H. vulg.	SFRZ 2004 e.	CHE	Fetan	CHE
21535	104669	PI 371393	H. vulg.	SFRZ 2005 a.	CHE	Fetan	CHE
21536	104670	PI 371394	H. vulg.	SFRZ 2005 b.	CHE	Fetan	CHE
21537	104671	PI 371395	H. vulg.	SFRZ 2005 c.	CHE	Fetan	CHE
21538	104672	PI 371396	H. vulg.	SFRZ 2009 d.	CHE	Mutten	CHE
21539	104673	PI 371397	H. vulg.	SFRZ 2009 e.	CHE	Mutten	CHE
21540	104674	PI 371398	H. vulg.	SFRZ 2022 a.	CHE	Parsonz	CHE
21541	104675	PI 371399	H. vulg.	SFRZ 2022 d.	CHE	Parsonz	CHE

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
21542	104676	PI 371400	H. vulg.	SFRZ 2028 a.	CHE	Tenna	CHE
21543	104677	PI 371401	H. vulg.	SFRZ 2028 b.	CHE	Tenna	CHE
21544	104678	PI 371402	H. vulg.	SFRZ 2028 c.	CHE	Tenna	CHE
21545	104679	PI 371403	H. vulg.	SFRZ 2028 d.	CHE	Tenna	CHE
21546	104680	PI 371404	H. vulg.	SFRZ 2030 b.	CHE	Strada	CHE
21547	104681	PI 371405	H. vulg.	SFRZ 2030 c.	CHE	Strada	CHE
21548	104682	PI 371406	H. vulg.	SFRZ 2031 b.	CHE	Tschlin	CHE
21549	104683	PI 371407	H. vulg.	SFRZ 2031 c.	CHE	Tschlin	CHE
21550	104684	PI 371408	H. vulg.	SFRZ 2033 b.	CHE	Tschlin	CHE
21551	104685	PI 371409	H. vulg.	SFRZ 2035 c.	CHE	Vna	CHE
21552	104686	PI 371410	H. vulg.	SFRZ 2038 a.	CHE	Ramosch	CHE
21553	104687	PI 371411	H. vulg.	SFRZ 2038 b.	CHE	Ramosch	CHE
21554	104688	PI 371412	H. vulg.	SFRZ 2040 b.	CHE	Ramosch	CHE
21555	104689	PI 371413	H. vulg.	SFRZ 2042 a.	CHE	Ramosch	CHE
21556	104690	PI 371414	H. vulg.	SFRZ 2042 b.	CHE	Ramosch	CHE
21557	104691	PI 371415	H. vulg.	SFRZ 2043 c.	CHE	Ramosch	CHE
21558	104692	PI 371416	H. vulg.	SFRZ 2044 c.	CHE	Sent	CHE
21559	104693	PI 371417	H. vulg.	SFRZ 2047 b.	CHE	Sent	CHE
21560	104694	PI 371418	H. vulg.	SFRZ 2049 b.	CHE	Tarasp	CHE
21561	104695	PI 371419	H. vulg.	SFRZ 2050 a.	CHE	Schuls	CHE
21562	104696	PI 371420	H. vulg.	SFRZ 2050 b.	CHE	Schuls	CHE
21563	104697	PI 371421	H. vulg.	SFRZ 2051 c.	CHE	Schuls	CHE
21564	104698	PI 371422	H. vulg.	SFRZ 2051 d.	CHE	Schuls	CHE
21565	104699	PI 371423	H. vulg.	SFRZ 2052 c.	CHE	Schuls	CHE
21566	104700	PI 371424	H. vulg.	SFRZ 2053 b.	CHE	Fetan	CHE
21567	104701	PI 371425	H. vulg.	SFRZ 2053 c.	CHE	Fetan	CHE
21568	104702	PI 371426	H. vulg.	SFRZ 2054 b.	CHE	Fetan	CHE
21569	104703	PI 371427	H. vulg.	SFRZ 2055 a.	CHE	Fetan	CHE
21570	104704	PI 371428	H. vulg.	SFRZ 2055 b.	CHE	Fetan	CHE
21571	104705	PI 371429	H. vulg.	SFRZ 2055 c.	CHE	Fetan	CHE
21572	104706	PI 371430	H. vulg.	SFRZ 2055 d.	CHE	Fetan	CHE
21573	104707	PI 371431	H. vulg.	SFRZ 2056 b.	CHE	Fetan	CHE
21574	104708	PI 371432	H. vulg.	SFRZ 2057 a.	CHE	Ardez	CHE
21575	104709	PI 371433	H. vulg.	SFRZ 2057 b.	CHE	Ardez	CHE
21576	104710	PI 371434	H. vulg.	SFRZ 2057 c.	CHE	Ardez	CHE
21577	104711	PI 371435	H. vulg.	SFRZ 2061 a.	CHE	Ardez	CHE
21578	104712	PI 371436	H. vulg.	SFRZ 2061 b.	CHE	Ardez	CHE
21579	104713	PI 371437	H. vulg.	SFRZ 2063 b.	CHE	Ardez	CHE
21580	104714	PI 371438	H. vulg.	SFRZ 2064 a.	CHE	Muldain	CHE
21581	104715	PI 371439	H. vulg.	SFRZ 2064 c.	CHE	Muldain	CHE
21582	104716	PI 371440	H. vulg.	SFRZ 2072 a.	CHE	Tiefencastel	CHE
21583	104717	PI 371441	H. vulg.	SFRZ 2072 b.	CHE	Tiefencastel	CHE
21584	104718	PI 371442	H. vulg.	SFRZ 2072 d.	CHE	Tiefencastel	CHE
21585	104719	PI 371443	H. vulg.	SFRZ 2072 e.	CHE	Tiefencastel	CHE
21586	104720	PI 371444	H. vulg.	SFRZ 2073 b.	CHE	Surara	CHE
21587	104721	PI 371445	H. vulg.	SFRZ 2073 d.	CHE	Surara	CHE
21588	104722	PI 371446	H. vulg.	SFRZ 2073 e.	CHE	Surara	CHE
21589	104723	PI 371447	H. vulg.	SFRZ 2074 a.	CHE	Surara	CHE
21590	104724	PI 371448	H. vulg.	SFRZ 2074 b.	CHE	Surara	CHE
21591	104725	PI 371449	H. vulg.	SFRZ 2075 b.	CHE	Brienz	CHE
21592	104726	PI 371450	H. vulg.	SFRZ 2075 c.	CHE	Brienz	CHE
21593	104727	PI 371451	H. vulg.	SFRZ 2075 d.	CHE	Brienz	CHE
21594	104728	PI 371452	H. vulg.	SFRZ 2076 c.	CHE	Brienz	CHE
21595	104729	PI 371453	H. vulg.	SFRZ 2077 a.	CHE	Brienz	CHE
21596	104730	PI 371454	H. vulg.	SFRZ 2080 b.	CHE	Alvanen	CHE

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
21597	104731	PI 371455	H. vulg.	SFRZ 2082 a.	CHE	Alvanen	CHE
21598	104732	PI 371456	H. vulg.	SFRZ 2084 a.	CHE	Filisur	CHE
21599	104733	PI 371457	H. vulg.	SFRZ 2085 b.	CHE	Latsch	CHE
21600	104734	PI 371458	H. vulg.	SFRZ 2090 b.	CHE	Schmitten	CHE
21601	104735	PI 371459	H. vulg.	SFRZ 2090 c.	CHE	Schmitten	CHE
21602	104736	PI 371460	H. vulg.	SFRZ 2094 a.	CHE	Glaris	CHE
21603	104737	PI 371461	H. vulg.	SFRZ 2097 a.	CHE	Barenburg	CHE
21604	104738	PI 371462	H. vulg.	SFRZ 2105 a.	CHE	Clugin	CHE
21605	104739	PI 371463	H. vulg.	SFRZ 2109 a.	CHE	Zillis	CHE
21606	104740	PI 371464	H. vulg.	SFRZ 2110 b.	CHE	Zillis	CHE
21607	104741	PI 371465	H. vulg.	SFRZ 2113 a.	CHE	Donath	CHE
21608	104742	PI 371466	H. vulg.	SFRZ 2116 a.	CHE	Patzen	CHE
21609	104743	PI 371467	H. vulg.	SFRZ 2116 b.	CHE	Patzen	CHE
21610	104744	PI 371468	H. vulg.	SFRZ 2116 c.	CHE	Patzen	CHE
21611	104745	PI 371469	H. vulg.	SFRZ 2117 a.	CHE	Patzen	CHE
21612	104746	PI 371470	H. vulg.	SFRZ 2117 b.	CHE	Patzen	CHE
21613	104747	PI 371471	H. vulg.	SFRZ 2117 c.	CHE	Patzen	CHE
21614	104748	PI 371472	H. vulg.	SFRZ 2117 e.	CHE	Patzen	CHE
21615	104749	PI 371473	H. vulg.	SFRZ 2118 a.	CHE	Patzen	CHE
21616	104750	PI 371474	H. vulg.	SFRZ 2118 d.	CHE	Patzen	CHE
21617	104751	PI 371475	H. vulg.	SFRZ 2119 b.	CHE	Patzen	CHE
21618	104752	PI 371476	H. vulg.	SFRZ 2119 c.	CHE	Patzen	CHE
21619	104753	PI 371477	H. vulg.	SFRZ 2119 d.	CHE	Patzen	CHE
21620	104754	PI 371478	H. vulg.	SFRZ 2120 a.	CHE	Patzen	CHE
21621	104755	PI 371479	H. vulg.	SFRZ 2120 b.	CHE	Patzen	CHE
21622	104756	PI 371480	H. vulg.	SFRZ 2121 a.	CHE	Patzen	CHE
21623	104757	PI 371481	H. vulg.	SFRZ 2121 b.	CHE	Patzen	CHE
21624	104758	PI 371482	H. vulg.	SFRZ 2122 d.	CHE	Patzen	CHE
21625	104759	PI 371183	H. vulg.	SFRZ 2123 c.	CHE	Affeier	CHE
21626	104760	PI 371484	H. vulg.	SFRZ 2123 e.	CHE	Affeier	CHE
21627	104761	PI 371485	H. vulg.	SFRZ 2123 f.	CHE	Affeier	CHE
21628	104762	PI 371486	H. vulg.	SFRZ 2127 a.	CHE	Affeier	CHE
21629	104763	PI 371487	H. vulg.	SFRZ 2127 c.	CHE	Affeier	CHE
21630	104764	PI 371488	H. vulg.	SFRZ 2133 a.	CHE	Platenga	CHE
21631	104765	PI 371489	H. vulg.	SFRZ 2133 b.	CHE	Platenga	CHE
21632	104766	PI 371490	H. vulg.	SFRZ 2134 b.	CHE	Valata	CHE
21633	104767	PI 371491	H. vulg.	SFRZ 2134 c.	CHE	Valata	CHE
21634	104768	PI 371492	H. vulg.	SFRZ 2134 d.	CHE	Valata	CHE
21635	104769	PI 371493	H. vulg.	SFRZ 2138 a.	CHE	Cavetg	CHE
21636	104770	PI 371495	H. vulg.	SFRZ 2139 b.	CHE	Luvén	CHE
21637	104771	PI 371496	H. vulg.	SFRZ 2139 c.	CHE	Luvén	CHE
21638	104772	PI 371497	H. vulg.	SFRZ 2140 b.	CHE	St. Martin	CHE
21639	104773	PI 371498	H. vulg.	SFRZ 2140 c.	CHE	St. Martin	CHE
21640	104774	PI 371499	H. vulg.	SFRZ 2143 a.	CHE	Tersnaus	CHE
21641	104775	PI 371500	H. vulg.	SFRZ 2143 c.	CHE	Tersnaus	CHE
21642	104776	PI 371501	H. vulg.	SFRZ 2155 a.	UNK	-	CHE
21643	104777	PI 371502	H. vulg.	SFRZ 2156 a.	CHE	Kapuzen	CHE
21644	104778	PI 371503	H. vulg.	SFRZ 2157 a.	UNK	-	CHE
21645	104779	PI 371504	H. vulg.	SFRZ 2157 b.	UNK	-	CHE
21646	104780	PI 371505	H. vulg.	SFRZ 2158 a.	CHE	Isaria	CHE
21647	104781	PI 371506	H. vulg.	SFRZ 2158 b.	KEN	-	CHE
21648	104782	PI 371507	H. vulg.	SFRZ 2158 c.	CHE	Herta	CHE
21649	104783	PI 371508	H. vulg.	SFRZ 2158 d.	CHE	Primus	CHE
21650	104784	PI 371509	H. vulg.	SFRZ 2158 e.	CHE	Imperial	CHE
21651	104785	PI 371510	H. vulg.	SFRZ 2158 f.	CHE	Nue de Kardoz	CHE

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
21652	104786	PI 371511	H. vulg.	SFRZ 2158 g.	CHE	Ragusa	CHE
21653	104787	PI 371512	H. vulg.	SFRZ 2158 h.	CHE	Cyprn	CHE
21654	104788	PI 371513	H. vulg.	SFRZ 2158 k.	SUN	-	CHE
21655	104789	PI 371514	H. vulg.	SFRZ 2158 l.	AFG	-	CHE
21656	104790	PI 371515	H. vulg.	SFRZ 2158 m.	UNK	-	CHE
21657	104791	PI 371629	H. vulg.	-	FRA	-	FRA
21658	104792	PI 371630	H. vulg.	-	DEU	-	FRA
21659	104793	PI 371631	H. vulg.	-	FRA	-	FRA
21660	104794	PI 371632	H. vulg.	-	FRA	-	FRA
21661	104795	PI 371633	H. vulg.	-	FRA	-	FRA
21662	104796	PI 371634	H. vulg.	-	FRA	-	FRA
21663	104797	PI 371635	H. vulg.	-	FRA	-	FRA
21664	104798	PI 371636	H. vulg.	-	FRA	-	FRA
21665	104799	PI 371637	H. vulg.	-	FRA	-	FRA
21666	104800	PI 371638	H. vulg.	-	NLD	-	FRA
21667	104801	PI 371639	H. vulg.	-	DEU	-	FRA
21668	104802	PI 371817	H. vulg.	-	UNK	-	JOR
21669	104803	PI 371818	H. vulg.	-	JOR	-	JOR
21670	104804	PI 371819	H. vulg.	-	UNK	-	JOR
21671	104805	PI 372076	H. dist.	IPI-K 734	SUN	-	SUN
21672	104806	PI 372077	H. dist.	IPI-K 6528	SUN	-	SUN
21673	104807	PI 372078	H. dist.	IPI-K 15747	SUN	Kurov	SUN
21674	104808	PI 372079	H. dist.	IPI-K 16860	SUN	Krasnodar	SUN
21675	104809	PI 372080	H. dist.	IPI-K 16886	SUN	Odessa	SUN
21676	104810	PI 372081	H. dist.	IPI-K 16929	SUN	Lithuania	SUN
21677	104811	PI 372082	H. dist.	IPI-K 17828	SUN	Georgia	SUN
21678	104812	PI 372083	H. dist.	IPI-K 17843	SUN	Omsk	SUN
21679	104813	PI 372084	H. dist.	IPI-K 18070	SUN	Estonia	SUN
21680	104814	PI 372085	H. dist.	IPI-K 18329	SUN	Byelorussia	SUN
21681	104815	PI 372086	H. dist.	IPI-K 18334	SUN	-	SUN
21682	104816	PI 372087	H. dist.	IPI-K 18396	SUN	Ukraine	SUN
21683	104817	PI 372088	H. dist.	IPI-K 18467	SUN	Odessa	SUN
21684	104818	PI 372089	H. dist.	IPI-K 19177	SUN	Uzbekistan	SUN
21685	104819	PI 372090	H. dist.	IPI-K 19190	SUN	Kirghizia	SUN
21686	104820	PI 372091	H. dist.	IPI-K 19355	SUN	-	SUN
21687	104821	PI 372092	H. dist.	IPI-K 19827	SUN	Odessa	SUN
21688	104822	PI 372093	H. dist.	IPI-K 19828	SUN	Ukraine	SUN
21689	104823	PI 372094	H. dist.	IPI-K 19928	SUN	Krasnodar	SUN
21690	104824	PI 372095	H. dist.	IPI-K 19934	SUN	Odessa	SUN
21691	104825	PI 372096	H. dist.	IPI-K 20329	SUN	Ukraine	SUN
21692	104826	PI 372097	H. dist.	IPI-K 20360	SUN	Odessa	SUN
21693	104827	PI 372098	H. vulg.	IPI-K 13248	SUN	Azerbaijan	SUN
21694	104828	PI 372099	H. vulg.	IPI-K 16924	SUN	Turkmenia	SUN
21695	104829	PI 372100	H. vulg.	IPI-K 16496	SUN	Georgia	SUN
21696	104830	PI 372101	H. vulg.	IPI-K 17845	SUN	Azerbaijan	SUN
21697	104831	PI 372102	H. vulg.	IPI-K 18379	SUN	Byelorussia	SUN
21698	104832	PI 372103	H. vulg.	IPI-K 18788	SUN	Ukraine	SUN
21699	104833	PI 372104	H. vulg.	IPI-K 19191	SUN	Georgia	SUN
21700	104834	PI 372105	H. vulg.	IPI-K 19330	SUN	Daghestan	SUN
21701	104835	PI 372106	H. vulg.	IPI-K 19636	SUN	Rostov	SUN
21702	104836	PI 372107	H. vulg.	IPI-K 19933	SUN	Moldavia	SUN
21703	104837	PI 374411	H. vulg.	ISG 1\71	YUG	Macedonia	YUG
21704	104838	PI 374412	H. vulg.	ISG 2\71	YUG	Macedonia	YUG
21705	104839	PI 374413	H. vulg.	ISG 3\71	YUG	Macedonia	YUG
21706	104840	PI 374414	H. vulg.	ISG 4\71	YUG	Serbia	YUG

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
21707	104841	PI 374415	H. vulg.	ISG 5\71	YUG	Serbia	YUG
21708	104842	PI 374416	H. vulg.	ISG 6\71	YUG	Macedonia	YUG
21709	104843	PI 374417	H. vulg.	ISG 7\71	YUG	Macedonia	YUG
21710	104844	PI 374418	H. vulg.	ISG 8\71	YUG	Macedonia	YUG
21711	104845	PI 374419	H. vulg.	ISG 9\71	YUG	Bosnia	YUG
21712	104846	PI 374420	H. vulg.	ISG 10\71	YUG	Bosnia	YUG
21713	104847	PI 374421	H. vulg.	ISG 11\71	YUG	Bosnia	YUG
21714	104848	PI 374422	H. vulg.	ISG 12\71	YUG	Bosnia	YUG
21715	104849	PI 374423	H. vulg.	ISG 13\71	YUG	Bosnia	YUG
21716	104850	PI 374424	H. vulg.	ISG 14\71	YUG	Bosnia	YUG
21717	104851	PI 374426	H. vulg.	ISG 26\71	YUG	Serbia	YUG
21718	104852	PI 374427	H. vulg.	ISG 27\71	YUG	Serbia	YUG
21719	104853	PI 374428	H. vulg.	ISG 28\71	YUG	Serbia	YUG
21720	104854	PI 374429	H. vulg.	ISG 29\71	YUG	Serbia	YUG
21721	104855	PI 374430	H. vulg.	ISG 30\71	YUG	Serbia	YUG
21722	104856	PI 374431	H. vulg.	ISG 31\71	YUG	Serbia	YUG
21723	104857	PI 374432	H. vulg.	ISG 32\71	YUG	Macedonia	YUG
21724	104858	PI 374433	H. vulg.	ISG 33\71	YUG	Serbia	YUG
21725	104859	PI 374434	H. vulg.	ISG 34\71	YUG	Kosovo	YUG
21726	104860	PI 374435	H. vulg.	ISG 35\71	YUG	Serbia	YUG
21727	104861	PI 374436	H. vulg.	ISG 36\71	YUG	Serbia	YUG
21728	104862	PI 374437	H. vulg.	ISG 37\71	YUG	Serbia	YUG
21729	104863	PI 374439	H. vulg.	ISG 39\71	YUG	Bosnia	YUG
21730	104864	PI 376448	H. vulg.	-	UNK	-	HUN
21731	104865	PI 376449	H. vulg.	-	UNK	-	HUN
21732	104866	PI 376450	H. vulg.	-	UNK	-	HUN
21733	104867	PI 376451	H. vulg.	-	UNK	-	HUN
21734	104868	PI 376452	H. vulg.	PBSE 1172	USA	California	TUR
21735	104869	PI 376453	H. vulg.	PBSE 1176	USA	California	TUR
21736	104870	PI 378210	H. vulg.	ISG 1\72	YUG	Serbia	YUG
21737	104871	PI 378211	H. vulg.	ISG 2\72	YUG	Serbia	YUG
21738	104872	PI 378212	H. vulg.	ISG 3\72	YUG	Serbia	YUG
21739	104873	PI 378213	H. vulg.	ISG 4\72	YUG	Macedonia	YUG
21740	104874	PI 378214	H. vulg.	ISG 5\72	YUG	Macedonia	YUG
21741	104875	PI 378215	H. vulg.	ISG 6\72	YUG	Macedonia	YUG
21742	104876	PI 378216	H. vulg.	ISG 7\72	YUG	Macedonia	YUG
21743	104877	PI 378217	H. vulg.	ISG 8\72	YUG	Macedonia	YUG
21744	104878	PI 378218	H. vulg.	ISG 9\72	YUG	Serbia	YUG
21745	104879	PI 378219	H. vulg.	ISG 10\72	YUG	Serbia	YUG
21746	104880	PI 378220	H. vulg.	ISG 11\72	YUG	Serbia	YUG
21747	104881	PI 378221	H. vulg.	ISG 12\72	YUG	Serbia	YUG
21748	104882	PI 378222	H. vulg.	ISG 13\72	YUG	Macedonia	YUG
21749	104883	PI 378223	H. vulg.	ISG 14\72	YUG	Macedonia	YUG
21750	104884	PI 378224	H. vulg.	ISG 15\72	YUG	Serbia	YUG
21751	104885	PI 378225	H. vulg.	ISG 16\72	YUG	Macedonia	YUG
21752	104886	PI 378226	H. vulg.	ISG 17\72	YUG	Macedonia	YUG
21753	104887	PI 378531	H. vulg.	-	DEU	-	DEU
21754	104888	PI 379558	H. dist.	-	JPN	Gunma-Ken	JPN
21755	104889	PI 382182	H. def.	GAW 3\2	ETH	Addis Ababa	ETH
21756	104890	PI 382183	H. def.	GAW 16	ETH	Addis Ababa	ETH
21757	104891	PI 382184	H. def.	GAW 17\2	ETH	Addis Ababa	ETH
21758	104892	PI 382185	H. def.	GAW 19\2	ETH	Addis Ababa	ETH
21759	104893	PI 382186	H. def.	GAW 19\3	ETH	Addis Ababa	ETH
21760	104894	PI 382187	H. def.	GAW 20\3	ETH	Addis Ababa	ETH
21761	104895	PI 382188	H. def.	GAW 28\1	ETH	Bhar Dar	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
21762	104896	PI 382189	H. def.	GAW 28\2	ETH	Bhar Dar	ETH
21763	104897	PI 382190	H. def.	GAW 28\3	ETH	Bhar Dar	ETH
21764	104898	PI 382191	H. def.	GAW 28\4	ETH	Bhar Dar	ETH
21765	104899	PI 382192	H. def.	GAW 28\5	ETH	Bhar Dar	ETH
21766	104900	PI 382193	H. def.	GAW 32\7	ETH	Gondar	ETH
21767	104901	PI 382194	H. def.	GAW 35\4	ETH	Gondar	ETH
21768	104902	PI 382195	H. def.	GAW 35\5	ETH	Gondar	ETH
21769	104903	PI 382196	H. def.	GAW 36\2	ETH	Gondar	ETH
21770	104904	PI 382197	H. def.	GAW 36\3	ETH	Gondar	ETH
21771	104905	PI 382198	H. def.	GAW 36\4	ETH	Gondar	ETH
21772	104906	PI 382199	H. def.	GAW 36\5	ETH	Gondar	ETH
21773	104907	PI 382200	H. def.	GAW 36\6	ETH	Gondar	ETH
21774	104908	PI 382201	H. def.	GAW 37\6	ETH	Gondar	ETH
21775	104909	PI 382202	H. def.	GAW 38\13	ETH	Gondar	ETH
21776	104910	PI 382203	H. def.	GAW 38\14	ETH	Gondar	ETH
21777	104911	PI 382204	H. def.	GAW 38\15	ETH	Gondar	ETH
21778	104912	PI 382205	H. def.	GAW 38\16	ETH	Gondar	ETH
21779	104913	PI 382206	H. def.	GAW 38\17	ETH	Gondar	ETH
21780	104914	PI 382207	H. def.	GAW 39\6	ETH	Gondar	ETH
21781	104915	PI 382208	H. def.	GAW 40\1	ETH	Gondar	ETH
21782	104916	PI 382209	H. def.	GAW 40\2	ETH	Gondar	ETH
21783	104917	PI 382210	H. def.	GAW 40\3	ETH	Gondar	ETH
21784	104918	PI 382211	H. def.	GAW 40\4	ETH	Gondar	ETH
21785	104919	PI 382212	H. def.	GAW 40\5	ETH	Gondar	ETH
21786	104920	PI 382214	H. def.	GAW 41\11	ETH	Gondar	ETH
21787	104921	PI 382215	H. def.	GAW 42\12	ETH	Gondar	ETH
21788	104922	PI 382216	H. def.	GAW 42\13	ETH	Gondar	ETH
21789	104923	PI 382217	H. def.	GAW 42\14	ETH	Gondar	ETH
21790	104924	PI 382218	H. def.	GAW 44\6	ETH	Gondar	ETH
21791	104925	PI 382219	H. def.	GAW 48\19	ETH	Gondar	ETH
21792	104926	PI 382220	H. def.	GAW 49\8	ETH	Gondar	ETH
21793	104927	PI 382221	H. def.	GAW 50\10	ETH	Gondar	ETH
21794	104928	PI 382222	H. def.	GAW 50\11	ETH	Gondar	ETH
21795	104929	PI 382223	H. def.	GAW 50\12	ETH	Gondar	ETH
21796	104930	PI 382224	H. def.	GAW 50\15	ETH	Gondar	ETH
21797	104931	PI 382225	H. def.	GAW 51\1	ETH	Axum	ETH
21798	104932	PI 382226	H. def.	GAW 51\2	ETH	Axum	ETH
21799	104933	PI 382227	H. def.	GAW 51\3	ETH	Axum	ETH
21800	104934	PI 382228	H. def.	GAW 51\4	ETH	Axum	ETH
21801	104935	PI 382229	H. def.	GAW 51\5	ETH	Axum	ETH
21802	104936	PI 382230	H. def.	GAW 52\2	ETH	Axum	ETH
21803	104937	PI 382231	H. def.	GAW 52\3	ETH	Axum	ETH
21804	104938	PI 382232	H. def.	GAW 52\4	ETH	Axum	ETH
21805	104939	PI 382233	H. def.	GAW 54\1	ETH	Axum	ETH
21806	104940	PI 382234	H. def.	GAW 54\2	ETH	Axum	ETH
21807	104941	PI 382235	H. def.	GAW 54\3	ETH	Axum	ETH
21808	104942	PI 382236	H. def.	GAW 55\2	ETH	Axum	ETH
21809	104943	PI 382237	H. def.	GAW 55\3	ETH	Axum	ETH
21810	104944	PI 382238	H. def.	GAW 56\1	ETH	Axum	ETH
21811	104945	PI 382239	H. def.	GAW 56\2	ETH	Axum	ETH
21812	104946	PI 382240	H. def.	GAW 57\1	ETH	Axum	ETH
21813	104947	PI 382241	H. def.	GAW 57\2	ETH	Axum	ETH
21814	104948	PI 382242	H. def.	GAW 57\3	ETH	Axum	ETH
21815	104949	PI 382243	H. def.	GAW 57\4	ETH	Axum	ETH
21816	104950	PI 382244	H. def.	GAW 57\5	ETH	Axum	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
21817	104951	PI 382245	H. def.	GAW 57\6	ETH	Axum	ETH
21818	104952	PI 382246	H. def.	GAW 58\1	ETH	Axum	ETH
21819	104953	PI 382247	H. def.	GAW 58\2	ETH	Axum	ETH
21820	104954	PI 382248	H. def.	GAW 59\3	ETH	Adowa	ETH
21821	104955	PI 382249	H. def.	GAW 59\4	ETH	Adowa	ETH
21822	104956	PI 382250	H. def.	GAW 59\5	ETH	Adowa	ETH
21823	104957	PI 382251	H. def.	GAW 60\6	ETH	Adowa	ETH
21824	104958	PI 382252	H. def.	GAW 61\1	ETH	Axum	ETH
21825	104959	PI 382253	H. def.	GAW 61\2	ETH	Axum	ETH
21826	104960	PI 382254	H. def.	GAW 61\3	ETH	Axum	ETH
21827	104961	PI 382255	H. def.	GAW 62\1	ETH	Adowa	ETH
21828	104962	PI 382256	H. def.	GAW 62\2	ETH	Adowa	ETH
21829	104963	PI 382257	H. def.	GAW 62\3	ETH	Adowa	ETH
21830	104964	PI 382258	H. def.	GAW 62\7	ETH	Adowa	ETH
21831	104965	PI 382259	H. def.	GAW 63\1	ETH	Adowa	ETH
21832	104966	PI 382260	H. def.	GAW 63\2	ETH	Adowa	ETH
21833	104967	PI 382261	H. def.	GAW 63\3	ETH	Adowa	ETH
21834	104968	PI 382262	H. def.	GAW 63\6	ETH	Adowa	ETH
21835	104969	PI 382263	H. def.	GAW 63\7	ETH	Adowa	ETH
21836	104970	PI 382264	H. def.	GAW 64\1	ETH	Adowa	ETH
21837	104971	PI 382265	H. def.	GAW 64\2	ETH	Adowa	ETH
21838	104972	PI 382266	H. def.	GAW 64\3	ETH	Adowa	ETH
21839	104973	PI 382267	H. def.	GAW 64\4	ETH	Adowa	ETH
21840	104974	PI 382268	H. def.	GAW 65\1	ETH	Intcho	ETH
21841	104975	PI 382269	H. def.	GAW 65\3	ETH	Intcho	ETH
21842	104976	PI 382270	H. def.	GAW 65\4	ETH	Intcho	ETH
21843	104977	PI 382271	H. def.	GAW 65\6	ETH	Intcho	ETH
21844	104978	PI 382272	H. def.	GAW 65\7	ETH	Intcho	ETH
21845	104979	PI 382273	H. def.	GAW 66\1	ETH	Intcho	ETH
21846	104980	PI 382274	H. def.	GAW 66\2	ETH	Intcho	ETH
21847	104981	PI 382275	H. def.	GAW 66\3	ETH	Intcho	ETH
21848	104982	PI 382276	H. def.	GAW 67\3	ETH	Intcho	ETH
21849	104983	PI 382277	H. def.	GAW 67\4	ETH	Intcho	ETH
21850	104984	PI 382278	H. def.	GAW 67\5	ETH	Intcho	ETH
21851	104985	PI 382279	H. def.	GAW 67\6	ETH	Intcho	ETH
21852	104986	PI 382280	H. def.	GAW 67\7	ETH	Intcho	ETH
21853	104987	PI 382281	H. def.	GAW 67\8	ETH	Intcho	ETH
21854	104988	PI 382282	H. def.	GAW 68\1	ETH	Intcho	ETH
21855	104989	PI 382283	H. def.	GAW 68\3	ETH	Intcho	ETH
21856	104990	PI 382284	H. def.	GAW 68\4	ETH	Intcho	ETH
21857	104991	PI 382285	H. def.	GAW 68\5	ETH	Intcho	ETH
21858	104992	PI 382286	H. def.	GAW 69\6	ETH	Intcho	ETH
21859	104993	PI 382287	H. def.	GAW 69\7	ETH	Intcho	ETH
21860	104994	PI 382288	H. def.	GAW 70\8	ETH	Intcho	ETH
21861	104995	PI 382289	H. def.	GAW 72\3	ETH	Intcho	ETH
21862	104996	PI 382290	H. def.	GAW 72\4	ETH	Intcho	ETH
21863	104997	PI 382291	H. def.	GAW 72\5	ETH	Intcho	ETH
21864	104998	PI 382292	H. def.	GAW 72\6	ETH	Intcho	ETH
21865	104999	PI 382293	H. def.	GAW 72\11	ETH	Intcho	ETH
21866	105000	PI 382294	H. def.	GAW 76\1	ETH	Adigrat	ETH
21867	105001	PI 382295	H. def.	GAW 76\2	ETH	Adigrat	ETH
21868	105002	PI 382296	H. def.	GAW 76\3	ETH	Adigrat	ETH
21869	105003	PI 382297	H. def.	GAW 76\4	ETH	Adigrat	ETH
21870	105004	PI 382298	H. def.	GAW 76\5	ETH	Adigrat	ETH
21871	105005	PI 382299	H. def.	GAW 76\6	ETH	Adigrat	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
21872	105006	PI 382300	H. def.	GAW 76\7	ETH	Adigrat	ETH
21873	105007	PI 382301	H. def.	GAW 76\9	ETH	Adigrat	ETH
21874	105008	PI 382302	H. def.	GAW 77\1	ETH	Adigrat	ETH
21875	105009	PI 382303	H. def.	GAW 77\2	ETH	Adigrat	ETH
21876	105010	PI 382304	H. def.	GAW 77\3	ETH	Adigrat	ETH
21877	105011	PI 382305	H. def.	GAW 77\4	ETH	Adigrat	ETH
21878	105012	PI 382306	H. def.	GAW 77\5	ETH	Adigrat	ETH
21879	105013	PI 382307	H. def.	GAW 78\1	ETH	Adigrat	ETH
21880	105014	PI 382308	H. def.	GAW 78\2	ETH	Adigrat	ETH
21881	105015	PI 382309	H. def.	GAW 78\3	ETH	Adigrat	ETH
21882	105016	PI 382310	H. def.	GAW 78\4	ETH	Adigrat	ETH
21883	105017	PI 382311	H. def.	GAW 79\1	ETH	Adigrat	ETH
21884	105018	PI 382312	H. def.	GAW 79\2	ETH	Adigrat	ETH
21885	105019	PI 382313	H. def.	GAW 79\3	ETH	Adigrat	ETH
21886	105020	PI 382314	H. def.	GAW 79\4	ETH	Adigrat	ETH
21887	105021	PI 382315	H. def.	GAW 80\1	ETH	Mekele	ETH
21888	105022	PI 382316	H. def.	GAW 80\2	ETH	Mekele	ETH
21889	105023	PI 382317	H. def.	GAW 80\3	ETH	Mekele	ETH
21890	105024	PI 382318	H. def.	GAW 80\4	ETH	Mekele	ETH
21891	105025	PI 382319	H. def.	GAW 80\5	ETH	Mekele	ETH
21892	105026	PI 382320	H. def.	GAW 80\6	ETH	Mekele	ETH
21893	105027	PI 382321	H. def.	GAW 80\7	ETH	Mekele	ETH
21894	105028	PI 382322	H. def.	GAW 80\8	ETH	Mekele	ETH
21895	105029	PI 382323	H. def.	GAW 80\9	ETH	Mekele	ETH
21896	105030	PI 382324	H. def.	GAW 80\10	ETH	Mekele	ETH
21897	105031	PI 382325	H. def.	GAW 81\6	ETH	Mekele	ETH
21898	105032	PI 382326	H. def.	GAW 81\7	ETH	Mekele	ETH
21899	105033	PI 382327	H. def.	GAW 81\8	ETH	Mekele	ETH
21900	105034	PI 382328	H. def.	GAW 81\9	ETH	Mekele	ETH
21901	105035	PI 382329	H. def.	GAW 81\10	ETH	Mekele	ETH
21902	105036	PI 382330	H. def.	GAW 81\11	ETH	Mekele	ETH
21903	105037	PI 382331	H. def.	GAW 82\1	ETH	Mekele	ETH
21904	105038	PI 382332	H. def.	GAW 82\2	ETH	Mekele	ETH
21905	105039	PI 382333	H. def.	GAW 82\3	ETH	Mekele	ETH
21906	105040	PI 382334	H. def.	GAW 82\4	ETH	Mekele	ETH
21907	105041	PI 382335	H. def.	GAW 82\5	ETH	Mekele	ETH
21908	105042	PI 382336	H. def.	GAW 82\6	ETH	Mekele	ETH
21909	105043	PI 382338	H. def.	GAW 82\8	ETH	Mekele	ETH
21910	105044	PI 382339	H. def.	GAW 82\9	ETH	Mekele	ETH
21911	105045	PI 382340	H. def.	GAW 85\10	ETH	Mekele	ETH
21912	105046	PI 382341	H. def.	GAW 85\12	ETH	Mekele	ETH
21913	105047	PI 382342	H. def.	GAW 86\1	ETH	Mekele	ETH
21914	105048	PI 382343	H. def.	GAW 86\2	ETH	Mekele	ETH
21915	105049	PI 382344	H. def.	GAW 86\3	ETH	Mekele	ETH
21916	105050	PI 382345	H. def.	GAW 87\7	ETH	Mekele	ETH
21917	105051	PI 382346	H. def.	GAW 87\8	ETH	Mekele	ETH
21918	105052	PI 382347	H. def.	GAW 87\9	ETH	Mekele	ETH
21919	105053	PI 382348	H. def.	GAW 87\10	ETH	Mekele	ETH
21920	105054	PI 382349	H. def.	GAW 87\11	ETH	Mekele	ETH
21921	105055	PI 382350	H. def.	GAW 87\12	ETH	Mekele	ETH
21922	105056	PI 382351	H. def.	GAW 87\13	ETH	Mekele	ETH
21923	105057	PI 382352	H. def.	GAW 87\14	ETH	Mekele	ETH
21924	105058	PI 382353	H. def.	GAW 88\5	ETH	Mekele	ETH
21925	105059	PI 382354	H. def.	GAW 89\11	ETH	Mekele	ETH
21926	105060	PI 382355	H. def.	GAW 89\12	ETH	Mekele	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
21927	105061	PI 382356	H. def.	GAW 89\13	ETH	Mekele	ETH
21928	105062	PI 382357	H. def.	GAW 89\14	ETH	Mekele	ETH
21929	105063	PI 382358	H. def.	GAW 90\4	ETH	Mekele	ETH
21930	105064	PI 382359	H. def.	GAW 90\5	ETH	Mekele	ETH
21931	105065	PI 382360	H. def.	GAW 90\6	ETH	Mekele	ETH
21932	105066	PI 382361	H. def.	GAW 94\3	ETH	Addis Ababa	ETH
21933	105067	PI 382362	H. def.	GAW 94\4	ETH	Addis Ababa	ETH
21934	105068	PI 382363	H. def.	GAW 95\4	ETH	Addis Ababa	ETH
21935	105069	PI 382364	H. def.	GAW 95\5	ETH	Addis Ababa	ETH
21936	105070	PI 382365	H. def.	GAW 95\6	ETH	Addis Ababa	ETH
21937	105071	PI 382366	H. def.	GAW 97\4	ETH	Addis Ababa	ETH
21938	105072	PI 382367	H. def.	GAW 97\6	ETH	Addis Ababa	ETH
21939	105073	PI 382368	H. def.	GAW 97\9	ETH	Addis Ababa	ETH
21940	105074	PI 382369	H. def.	GAW 98\2	ETH	Addis Ababa	ETH
21941	105075	PI 382370	H. def.	GAW 98\3	ETH	Addis Ababa	ETH
21942	105076	PI 382371	H. def.	GAW 99\9	ETH	Jimma	ETH
21943	105077	PI 382372	H. def.	GAW 102\7	ETH	Jimma	ETH
21944	105078	PI 382373	H. def.	GAW 104\4	ETH	Addis Ababa	ETH
21945	105079	PI 382374	H. def.	GAW 104\5	ETH	Addis Ababa	ETH
21946	105080	PI 382375	H. def.	GAW 104\7	ETH	Addis Ababa	ETH
21947	105081	PI 382376	H. def.	GAW 105\1	ETH	Ambo	ETH
21948	105082	PI 382377	H. def.	GAW 105\3	ETH	Ambo	ETH
21949	105083	PI 382378	H. def.	GAW 106\5	ETH	Ambo	ETH
21950	105084	PI 382380	H. def.	GAW 106\7	ETH	Ambo	ETH
21951	105085	PI 382381	H. def.	GAW 107\6	ETH	Ambo	ETH
21952	105086	PI 382382	H. def.	GAW 107\7	ETH	Ambo	ETH
21953	105087	PI 382383	H. def.	GAW 108\6	ETH	Ambo	ETH
21954	105088	PI 382384	H. def.	GAW 108\7	ETH	Ambo	ETH
21955	105089	PI 382385	H. def.	GAW 109\3	ETH	Ambo	ETH
21956	105090	PI 382386	H. def.	GAW 110\2	ETH	Ambo	ETH
21957	105091	PI 382387	H. def.	GAW 110\3	ETH	Ambo	ETH
21958	105092	PI 382388	H. def.	GAW 110\4	ETH	Ambo	ETH
21959	105093	PI 382389	H. def.	GAW 110\5	ETH	Ambo	ETH
21960	105094	PI 382390	H. def.	GAW 110\6	ETH	Ambo	ETH
21961	105095	PI 382391	H. def.	GAW 110\7	ETH	Ambo	ETH
21962	105096	PI 382392	H. def.	GAW 110\8	ETH	Ambo	ETH
21963	105097	PI 382393	H. def.	GAW 112\10	ETH	Ambo	ETH
21964	105098	PI 382394	H. def.	GAW 112\11	ETH	Ambo	ETH
21965	105099	PI 382395	H. def.	GAW 114\5	ETH	Ambo	ETH
21966	105100	PI 382396	H. def.	GAW 114\8	ETH	Ambo	ETH
21967	105101	PI 382397	H. def.	GAW 115\5	ETH	Ambo	ETH
21968	105102	PI 382398	H. def.	GAW 115\6	ETH	Ambo	ETH
21969	105103	PI 382399	H. def.	GAW 116\6	ETH	Ambo	ETH
21970	105104	PI 382400	H. def.	GAW 117\8	ETH	Ambo	ETH
21971	105105	PI 382401	H. def.	GAW 118\7	ETH	Ambo	ETH
21972	105106	PI 382402	H. def.	GAW 120\2	ETH	Ambo	ETH
21973	105107	PI 382403	H. def.	GAW 122\6	ETH	Ambo	ETH
21974	105108	PI 382404	H. def.	GAW 123\8	ETH	Ambo	ETH
21975	105109	PI 382405	H. def.	GAW 123\9	ETH	Ambo	ETH
21976	105110	PI 382406	H. def.	GAW 123\10	ETH	Ambo	ETH
21977	105111	PI 382407	H. def.	GAW 123\11	ETH	Ambo	ETH
21978	105112	PI 382408	H. def.	GAW 124\2	ETH	Ambo	ETH
21979	105113	PI 382409	H. def.	GAW 124\3	ETH	Ambo	ETH
21980	105114	PI 382410	H. def.	GAW 124\4	ETH	Ambo	ETH
21981	105115	PI 382411	H. def.	GAW 125\5	ETH	Fincha	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
21982	105116	PI 382412	H. def.	GAW 125\7	ETH	Fincha	ETH
21983	105117	PI 382413	H. def.	GAW 127\3	ETH	Fincha	ETH
21984	105118	PI 382414	H. def.	GAW 127\4	ETH	Fincha	ETH
21985	105119	PI 382415	H. def.	GAW 127\5	ETH	Fincha	ETH
21986	105120	PI 382416	H. def.	GAW 127\6	ETH	Fincha	ETH
21987	105121	PI 382417	H. def.	GAW 129\6	ETH	Ambo	ETH
21988	105122	PI 382418	H. def.	GAW 133\1	ETH	Addis Ababa	ETH
21989	105123	PI 382420	H. def.	GAW 134\2	ETH	Addis Ababa	ETH
21990	105124	PI 382421	H. def.	GAW 134\3	ETH	Addis Ababa	ETH
21991	105125	PI 382422	H. def.	GAW 134\4	ETH	Addis Ababa	ETH
21992	105126	PI 382423	H. def.	GAW 135\2	ETH	Addis Ababa	ETH
21993	105127	PI 382424	H. def.	GAW 135\3	ETH	Addis Ababa	ETH
21994	105128	PI 382425	H. def.	GAW 135\4	ETH	Addis Ababa	ETH
21995	105129	PI 382426	H. def.	GAW 135\5	ETH	Addis Ababa	ETH
21996	105130	PI 382427	H. def.	GAW 135\6	ETH	Addis Ababa	ETH
21997	105131	PI 382428	H. def.	GAW 135\7	ETH	Addis Ababa	ETH
21998	105132	PI 382429	H. def.	GAW 136\1	ETH	Addis Ababa	ETH
21999	105133	PI 382430	H. def.	GAW 136\2	ETH	Addis Ababa	ETH
22000	105134	PI 382431	H. def.	GAW 136\3	ETH	Addis Ababa	ETH
22001	105135	PI 382432	H. def.	GAW 137\1	ETH	Addis Ababa	ETH
22002	105136	PI 382433	H. def.	GAW 137\2	ETH	Addis Ababa	ETH
22003	105137	PI 382434	H. def.	GAW 137\3	ETH	Addis Ababa	ETH
22004	105138	PI 382435	H. def.	GAW 138\1	ETH	Addis Ababa	ETH
22005	105139	PI 382436	H. def.	GAW 138\2	ETH	Addis Ababa	ETH
22006	105140	PI 382437	H. def.	GAW 138\3	ETH	Addis Ababa	ETH
22007	105141	PI 382438	H. def.	GAW 139\1	ETH	Addis Ababa	ETH
22008	105142	PI 382439	H. def.	GAW 139\2	ETH	Addis Ababa	ETH
22009	105143	PI 382440	H. def.	GAW 139\3	ETH	Addis Ababa	ETH
22010	105144	PI 382441	H. def.	GAW 140\2	ETH	Addis Ababa	ETH
22011	105145	PI 382442	H. def.	GAW 140\4	ETH	Addis Ababa	ETH
22012	105146	PI 382443	H. def.	GAW 140\5	ETH	Addis Ababa	ETH
22013	105147	PI 382444	H. def.	GAW 140\6	ETH	Addis Ababa	ETH
22014	105148	PI 382445	H. def.	GAW 140\7	ETH	Addis Ababa	ETH
22015	105149	PI 382446	H. def.	GAW 140\8	ETH	Addis Ababa	ETH
22016	105150	PI 382447	H. def.	GAW 141\5	ETH	Addis Ababa	ETH
22017	105151	PI 382448	H. def.	GAW 142\5	ETH	Addis Ababa	ETH
22018	105152	PI 382449	H. def.	GAW 142\6	ETH	Addis Ababa	ETH
22019	105153	PI 382450	H. def.	GAW 142\7	ETH	Addis Ababa	ETH
22020	105154	PI 382451	H. def.	GAW 143\3	ETH	Addis Ababa	ETH
22021	105155	PI 382452	H. def.	GAW 143\4	ETH	Addis Ababa	ETH
22022	105156	PI 382453	H. def.	GAW 143\5	ETH	Addis Ababa	ETH
22023	105157	PI 382454	H. def.	GAW 143\6	ETH	Addis Ababa	ETH
22024	105158	PI 382455	H. def.	GAW 144\11	ETH	Addis Ababa	ETH
22025	105159	PI 382456	H. def.	GAW 144\12	ETH	Addis Ababa	ETH
22026	105160	PI 382457	H. def.	GAW 146\9	ETH	Addis Ababa	ETH
22027	105161	PI 382458	H. dist.	GAW 12\4	ETH	Addis Ababa	ETH
22028	105162	PI 382460	H. dist.	GAW 15\6	ETH	Addis Ababa	ETH
22029	105163	PI 382461	H. dist.	GAW 55\4	ETH	Axum	ETH
22030	105164	PI 382462	H. dist.	GAW 55\5	ETH	Axum	ETH
22031	105165	PI 382463	H. dist.	GAW 55\6	ETH	Axum	ETH
22032	105166	PI 382464	H. dist.	GAW 55\7	ETH	Axum	ETH
22033	105167	PI 382465	H. dist.	GAW 55\8	ETH	Axum	ETH
22034	105168	PI 382466	H. dist.	GAW 57\7	ETH	Axum	ETH
22035	105169	PI 382467	H. dist.	GAW 59\1	ETH	Asowa	ETH
22036	105170	PI 382468	H. dist.	GAW 59\2	ETH	Asowa	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
22037	105171	PI 382469	H. dist.	GAW 60\2	ETH	Asowa	ETH
22038	105172	PI 382470	H. dist.	GAW 60\3	ETH	Asowa	ETH
22039	105173	PI 382471	H. dist.	GAW 60\4	ETH	Asowa	ETH
22040	105174	PI 382472	H. dist.	GAW 60\5	ETH	Asowa	ETH
22041	105175	PI 382473	H. dist.	GAW 60\7	ETH	Asowa	ETH
22042	105176	PI 382474	H. dist.	GAW 62\4	ETH	Asowa	ETH
22043	105177	PI 382475	H. dist.	GAW 62\5	ETH	Asowa	ETH
22044	105178	PI 382476	H. dist.	GAW 62\6	ETH	Asowa	ETH
22045	105179	PI 382477	H. dist.	GAW 63\4	ETH	Asowa	ETH
22046	105180	PI 382478	H. dist.	GAW 63\5	ETH	Asowa	ETH
22047	105181	PI 382479	H. dist.	GAW 65\5	ETH	Intcho	ETH
22048	105182	PI 382480	H. dist.	GAW 66\4	ETH	Intcho	ETH
22049	105183	PI 382481	H. dist.	GAW 66\5	ETH	Intcho	ETH
22050	105184	PI 382482	H. dist.	GAW 66\6	ETH	Intcho	ETH
22051	105185	PI 382483	H. dist.	GAW 66\7	ETH	Intcho	ETH
22052	105186	PI 382484	H. dist.	GAW 66\8	ETH	Intcho	ETH
22053	105187	PI 382485	H. dist.	GAW 66\9	ETH	Intcho	ETH
22054	105188	PI 382486	H. dist.	GAW 66\10	ETH	Intcho	ETH
22055	105189	PI 382487	H. dist.	GAW 66\11	ETH	Intcho	ETH
22056	105190	PI 382488	H. dist.	GAW 67\9	ETH	Intcho	ETH
22057	105191	PI 382489	H. dist.	GAW 67\10	ETH	Intcho	ETH
22058	105192	PI 382490	H. dist.	GAW 68\2	ETH	Intcho	ETH
22059	105193	PI 382491	H. dist.	GAW 71\1	ETH	Intcho	ETH
22060	105194	PI 382492	H. dist.	GAW 71\2	ETH	Intcho	ETH
22061	105195	PI 382493	H. dist.	GAW 71\3	ETH	Intcho	ETH
22062	105196	PI 382494	H. dist.	GAW 71\4	ETH	Intcho	ETH
22063	105197	PI 382495	H. dist.	GAW 71\5	ETH	Intcho	ETH
22064	105198	PI 382496	H. dist.	GAW 71\6	ETH	Intcho	ETH
22065	105199	PI 382497	H. dist.	GAW 71\7	ETH	Intcho	ETH
22066	105200	PI 382498	H. dist.	GAW 71\8	ETH	Intcho	ETH
22067	105201	PI 382500	H. dist.	GAW 71\10	ETH	Intcho	ETH
22068	105202	PI 382501	H. dist.	GAW 71\11	ETH	Intcho	ETH
22069	105203	PI 382502	H. dist.	GAW 71\12	ETH	Intcho	ETH
22070	105204	PI 382503	H. dist.	GAW 71\13	ETH	Intcho	ETH
22071	105205	PI 382504	H. dist.	GAW 71\14	ETH	Intcho	ETH
22072	105206	PI 382505	H. dist.	GAW 71\15	ETH	Intcho	ETH
22073	105207	PI 382506	H. dist.	GAW 71\16	ETH	Intcho	ETH
22074	105208	PI 382507	H. dist.	GAW 72\13	ETH	Intcho	ETH
22075	105209	PI 382508	H. dist.	GAW 72\14	ETH	Intcho	ETH
22076	105210	PI 382509	H. dist.	GAW 76\8	ETH	Adigrat	ETH
22077	105211	PI 382510	H. dist.	GAW 81\5	ETH	Mekele	ETH
22078	105212	PI 382511	H. dist.	GAW 97\1	ETH	Addis Ababa	ETH
22079	105213	PI 382512	H. dist.	GAW 97\2	ETH	Addis Ababa	ETH
22080	105214	PI 382513	H. dist.	GAW 97\3	ETH	Addis Ababa	ETH
22081	105215	PI 382514	H. dist.	GAW 99\6	ETH	Jimma	ETH
22082	105216	PI 382515	H. dist.	GAW 99\7	ETH	Jimma	ETH
22083	105217	PI 382516	H. dist.	GAW 99\10	ETH	Jimma	ETH
22084	105218	PI 382517	H. dist.	GAW 100\1	ETH	Jimma	ETH
22085	105219	PI 382518	H. dist.	GAW 100\2	ETH	Jimma	ETH
22086	105220	PI 382519	H. dist.	GAW 100\4	ETH	Jimma	ETH
22087	105221	PI 382520	H. dist.	GAW 100\5	ETH	Jimma	ETH
22088	105222	PI 382521	H. dist.	GAW 100\6	ETH	Jimma	ETH
22089	105223	PI 382522	H. dist.	GAW 100\7	ETH	Jimma	ETH
22090	105224	PI 382523	H. dist.	GAW 100\8	ETH	Jimma	ETH
22091	105225	PI 382524	H. dist.	GAW 100\10	ETH	Jimma	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
22092	105226	PI 382525	H. dist.	GAW 100\11	ETH	Jimma	ETH
22093	105227	PI 382526	H. dist.	GAW 100\12	ETH	Jimma	ETH
22094	105228	PI 382527	H. dist.	GAW 100\13	ETH	Jimma	ETH
22095	105229	PI 382528	H. dist.	GAW 100\14	ETH	Jimma	ETH
22096	105230	PI 382529	H. dist.	GAW 100\15	ETH	Jimma	ETH
22097	105231	PI 382530	H. dist.	GAW 100\16	ETH	Jimma	ETH
22098	105232	PI 382531	H. dist.	GAW 100\17	ETH	Jimma	ETH
22099	105233	PI 382532	H. dist.	GAW 101\1	ETH	Jimma	ETH
22100	105234	PI 382533	H. dist.	GAW 101\2	ETH	Jimma	ETH
22101	105235	PI 382534	H. dist.	GAW 101\3	ETH	Jimma	ETH
22102	105236	PI 382535	H. dist.	GAW 101\4	ETH	Jimma	ETH
22103	105237	PI 382536	H. dist.	GAW 101\5	ETH	Jimma	ETH
22104	105238	PI 382537	H. dist.	GAW 101\6	ETH	Jimma	ETH
22105	105239	PI 382538	H. dist.	GAW 101\7	ETH	Jimma	ETH
22106	105240	PI 382540	H. dist.	GAW 101\9	ETH	Jimma	ETH
22107	105241	PI 382541	H. dist.	GAW 101\10	ETH	Jimma	ETH
22108	105242	PI 382542	H. dist.	GAW 101\11	ETH	Jimma	ETH
22109	105243	PI 382543	H. dist.	GAW 101\12	ETH	Jimma	ETH
22110	105244	PI 382544	H. dist.	GAW 101\13	ETH	Jimma	ETH
22111	105245	PI 382545	H. dist.	GAW 101\14	ETH	Jimma	ETH
22112	105246	PI 382546	H. dist.	GAW 101\15	ETH	Jimma	ETH
22113	105247	PI 382547	H. dist.	GAW 101\16	ETH	Jimma	ETH
22114	105248	PI 382548	H. dist.	GAW 101\17	ETH	Jimma	ETH
22115	105249	PI 382549	H. dist.	GAW 101\18	ETH	Jimma	ETH
22116	105250	PI 382550	H. dist.	GAW 101\19	ETH	Jimma	ETH
22117	105251	PI 382551	H. dist.	GAW 101\20	ETH	Jimma	ETH
22118	105252	PI 382552	H. dist.	GAW 101\21	ETH	Jimma	ETH
22119	105253	PI 382553	H. dist.	GAW 101\22	ETH	Jimma	ETH
22120	105254	PI 382554	H. dist.	GAW 101\23	ETH	Jimma	ETH
22121	105255	PI 382555	H. dist.	GAW 101\24	ETH	Jimma	ETH
22122	105256	PI 382556	H. dist.	GAW 101\25	ETH	Jimma	ETH
22123	105257	PI 382557	H. dist.	GAW 101\26	ETH	Jimma	ETH
22124	105258	PI 382558	H. dist.	GAW 101\27	ETH	Jimma	ETH
22125	105259	PI 382559	H. dist.	GAW 101\28	ETH	Jimma	ETH
22126	105260	PI 382560	H. dist.	GAW 101\29	ETH	Jimma	ETH
22127	105261	PI 382561	H. dist.	GAW 101\30	ETH	Jimma	ETH
22128	105262	PI 382562	H. dist.	GAW 101\31	ETH	Jimma	ETH
22129	105263	PI 382563	H. dist.	GAW 101\32	ETH	Jimma	ETH
22130	105264	PI 382564	H. dist.	GAW 101\33	ETH	Jimma	ETH
22131	105265	PI 382565	H. dist.	GAW 101\34	ETH	Jimma	ETH
22132	105266	PI 382566	H. dist.	GAW 101\35	ETH	Jimma	ETH
22133	105267	PI 382567	H. dist.	GAW 101\36	ETH	Jimma	ETH
22134	105268	PI 382568	H. dist.	GAW 101\37	ETH	Jimma	ETH
22135	105269	PI 382569	H. dist.	GAW 101\38	ETH	Jimma	ETH
22136	105270	PI 382570	H. dist.	GAW 101\39	ETH	Jimma	ETH
22137	105271	PI 382571	H. dist.	GAW 102\1	ETH	Jimma	ETH
22138	105272	PI 382572	H. dist.	GAW 102\2	ETH	Jimma	ETH
22139	105273	PI 382573	H. dist.	GAW 102\3	ETH	Jimma	ETH
22140	105274	PI 382574	H. dist.	GAW 102\6	ETH	Jimma	ETH
22141	105275	PI 382575	H. dist.	GAW 103\1	ETH	Addis Ababa	ETH
22142	105276	PI 382576	H. dist.	GAW 103\2	ETH	Addis Ababa	ETH
22143	105277	PI 382577	H. dist.	GAW 103\3	ETH	Addis Ababa	ETH
22144	105278	PI 382578	H. dist.	GAW 103\4	ETH	Addis Ababa	ETH
22145	105279	PI 382579	H. dist.	GAW 103\5	ETH	Addis Ababa	ETH
22146	105280	PI 382580	H. dist.	GAW 103\6	ETH	Addis Ababa	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
22147	105281	PI 382581	H. dist.	GAW 104\1	ETH	Addis Ababa	ETH
22148	105282	PI 382582	H. dist.	GAW 104\2	ETH	Addis Ababa	ETH
22149	105283	PI 382583	H. dist.	GAW 104\3	ETH	Addis Ababa	ETH
22150	105284	PI 382584	H. dist.	GAW 104\6	ETH	Addis Ababa	ETH
22151	105285	PI 382585	H. dist.	GAW 105\2	ETH	Ambo	ETH
22152	105286	PI 382586	H. dist.	GAW 106\4	ETH	Ambo	ETH
22153	105287	PI 382587	H. dist.	GAW 107\2	ETH	Ambo	ETH
22154	105288	PI 382588	H. dist.	GAW 107\3	ETH	Ambo	ETH
22155	105289	PI 382589	H. dist.	GAW 107\4	ETH	Ambo	ETH
22156	105290	PI 382590	H. dist.	GAW 107\5	ETH	Ambo	ETH
22157	105291	PI 382591	H. dist.	GAW 108\3	ETH	Ambo	ETH
22158	105292	PI 382592	H. dist.	GAW 108\4	ETH	Ambo	ETH
22159	105293	PI 382593	H. dist.	GAW 108\5	ETH	Ambo	ETH
22160	105294	PI 382594	H. dist.	GAW 108\8	ETH	Ambo	ETH
22161	105295	PI 382595	H. dist.	GAW 109\3	ETH	Ambo	ETH
22162	105296	PI 382596	H. dist.	GAW 109\4	ETH	Ambo	ETH
22163	105297	PI 382597	H. dist.	GAW 114\2	ETH	Ambo	ETH
22164	105298	PI 382598	H. dist.	GAW 114\3	ETH	Ambo	ETH
22165	105299	PI 382599	H. dist.	GAW 114\4	ETH	Ambo	ETH
22166	105300	PI 382600	H. dist.	GAW 114\6	ETH	Ambo	ETH
22167	105301	PI 382601	H. dist.	GAW 114\7	ETH	Ambo	ETH
22168	105302	PI 382602	H. dist.	GAW 115\4	ETH	Ambo	ETH
22169	105303	PI 382603	H. dist.	GAW 116\1	ETH	Ambo	ETH
22170	105304	PI 382604	H. dist.	GAW 116\4	ETH	Ambo	ETH
22171	105305	PI 382605	H. dist.	GAW 117\4	ETH	Ambo	ETH
22172	105306	PI 382606	H. dist.	GAW 117\9	ETH	Ambo	ETH
22173	105307	PI 382607	H. dist.	GAW 118\3	ETH	Ambo	ETH
22174	105308	PI 382608	H. dist.	GAW 118\4	ETH	Ambo	ETH
22175	105309	PI 382609	H. dist.	GAW 118\5	ETH	Ambo	ETH
22176	105310	PI 382610	H. dist.	GAW 119\6	ETH	Ambo	ETH
22177	105311	PI 382611	H. dist.	GAW 119\7	ETH	Ambo	ETH
22178	105312	PI 382612	H. dist.	GAW 119\8	ETH	Ambo	ETH
22179	105313	PI 382613	H. dist.	GAW 124\1	ETH	Ambo	ETH
22180	105314	PI 382614	H. dist.	GAW 128\4	ETH	Ambo	ETH
22182	105315	PI 382615	H. dist.	GAW 128\5	ETH	Ambo	ETH
22183	105316	PI 382616	H. dist.	GAW 128\6	ETH	Ambo	ETH
22184	105317	PI 382617	H. dist.	GAW 128\7	ETH	Ambo	ETH
22185	105318	PI 382618	H. dist.	GAW 128\8	ETH	Ambo	ETH
22186	105319	PI 382619	H. dist.	GAW 129\5	ETH	Ambo	ETH
22187	105320	PI 382620	H. dist.	GAW 152\5	ETH	Holetta	ETH
22188	105321	PI 382621	H. dist.	GAW 152\6	ETH	Holetta	ETH
22189	105322	PI 382622	H. dist.	GAW 152\7	ETH	Holetta	ETH
22190	105323	PI 382623	H. dist.	GAW 152\9	ETH	Holetta	ETH
22191	105324	PI 382624	H. dist.	GAW 152\10	ETH	-	ETH
22192	105325	PI 382625	H. dist.	GAW 152\11	ETH	-	ETH
22193	105326	PI 382626	H. dist.	GAW 153\1	ETH	Kombulcha	ETH
22194	105327	PI 382627	H. dist.	GAW 153\2	ETH	Kombulcha	ETH
22195	105328	PI 382628	H. dist.	GAW 153\3	ETH	Kombulcha	ETH
22196	105329	PI 382629	H. dist.	GAW 153\4	ETH	Kombulcha	ETH
22197	105330	PI 382630	H. dist.	GAW 153\5	ETH	Kombulcha	ETH
22198	105331	PI 382631	H. dist.	GAW 153\6	ETH	Kombulcha	ETH
22199	105332	PI 382632	H. dist.	GAW 153\7	ETH	Kombulcha	ETH
22200	105333	PI 382633	H. dist.	GAW 153\8	ETH	Kombulcha	ETH
22201	105334	PI 382634	H. dist.	GAW 153\9	ETH	Kombulcha	ETH
22202	105335	PI 382635	H. dist.	GAW 153\10	ETH	Kombulcha	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
22203	105336	PI 382636	H. dist.	GAW 153\11	ETH	Kombulcha	ETH
22204	105337	PI 382637	H. dist.	GAW 153\12	ETH	Kombulcha	ETH
22205	105338	PI 382638	H. dist.	GAW 6	ETH	Addis Ababa	ETH
22206	105339	PI 382639	H. dist.	GAW 40	ETH	Gondar	ETH
22207	105340	PI 382640	H. irreg.	GAW 26\1	ETH	Addis Ababa	ETH
22208	105341	PI 382641	H. irreg.	GAW 26\2	ETH	Addis Ababa	ETH
22209	105342	PI 382642	H. irreg.	GAW 27\3	ETH	Addis Ababa	ETH
22210	105343	PI 382643	H. irreg.	GAW 69\5	ETH	Intcho	ETH
22211	105344	PI 382644	H. irreg.	GAW 97\7	ETH	Addis Ababa	ETH
22212	105345	PI 382645	H. irreg.	GAW 97\8	ETH	Addis Ababa	ETH
22213	105346	PI 382646	H. irreg.	GAW 99\8	ETH	Jimma	ETH
22214	105347	PI 382647	H. irreg.	GAW 99\1	ETH	Jimma	ETH
22215	105348	PI 382648	H. irreg.	GAW 99\12	ETH	Jimma	ETH
22216	105349	PI 382649	H. irreg.	GAW 99\13	ETH	Jimma	ETH
22217	105350	PI 382650	H. irreg.	GAW 100\3	ETH	Jimma	ETH
22218	105351	PI 382651	H. irreg.	GAW 100\9	ETH	Jimma	ETH
22219	105352	PI 382652	H. irreg.	GAW 102\4	ETH	Jimma	ETH
22220	105353	PI 382653	H. irreg.	GAW 102\5	ETH	Jimma	ETH
22221	105354	PI 382654	H. irreg.	GAW 108\2	ETH	Ambo	ETH
22222	105355	PI 382655	H. irreg.	GAW 116\3	ETH	Ambo	ETH
22223	105356	PI 382656	H. irreg.	GAW 117\5	ETH	Ambo	ETH
22224	105357	PI 382657	H. irreg.	GAW 117\10	ETH	Ambo	ETH
22225	105358	PI 382658	H. irreg.	GAW 118\2	ETH	Ambo	ETH
22226	105359	PI 382659	H. irreg.	GAW 118\6	ETH	Ambo	ETH
22227	105360	PI 382660	H. irreg.	GAW 124\5	ETH	Ambo	ETH
22228	105361	PI 382661	H. irreg.	GAW 124\6	ETH	Ambo	ETH
22229	105362	PI 382662	H. irreg.	GAW 128\9	ETH	Ambo	ETH
22230	105363	PI 382663	H. irreg.	GAW 129\4	ETH	Ambo	ETH
22231	105364	PI 382664	H. irreg.	GAW 131\7	ETH	Ambo	ETH
22231	105365	PI 382665	H. irreg.	GAW 132\2	ETH	Ambo	ETH
22232	105366	PI 382666	H. vulg.	GAW 1\1	ETH	Addis Ababa	ETH
22233	105367	PI 382667	H. vulg.	GAW 1\2	ETH	Addis Ababa	ETH
22234	105368	PI 382668	H. vulg.	GAW 1\3	ETH	Addis Ababa	ETH
22235	105369	PI 382669	H. vulg.	GAW 2\1	ETH	Addis Ababa	ETH
22236	105370	PI 382670	H. vulg.	GAW 2\2	ETH	Addis Ababa	ETH
22237	105371	PI 382671	H. vulg.	GAW 3\1	ETH	Addis Ababa	ETH
22238	105372	PI 382672	H. vulg.	GAW 3\3	ETH	Addis Ababa	ETH
22239	105373	PI 382673	H. vulg.	GAW 4\1	ETH	Addis Ababa	ETH
22240	105374	PI 382674	H. vulg.	GAW 4\2	ETH	Addis Ababa	ETH
22241	105375	PI 382675	H. vulg.	GAW 4\3	ETH	Addis Ababa	ETH
22242	105376	PI 382676	H. vulg.	GAW 4\4	ETH	Addis Ababa	ETH
22243	105377	PI 382677	H. vulg.	GAW 5\1	ETH	Addis Ababa	ETH
22244	105378	PI 382678	H. vulg.	GAW 5\2	ETH	Addis Ababa	ETH
22245	105379	PI 382679	H. vulg.	GAW 5\3	ETH	Addis Ababa	ETH
22246	105380	PI 382680	H. vulg.	GAW 6\1	ETH	Addis Ababa	ETH
22247	105381	PI 382681	H. vulg.	GAW 6\2	ETH	Addis Ababa	ETH
22248	105382	PI 382682	H. vulg.	GAW 7\1	ETH	Addis Ababa	ETH
22249	105383	PI 382683	H. vulg.	GAW 7\2	ETH	Addis Ababa	ETH
22250	105384	PI 382684	H. vulg.	GAW 7\3	ETH	Addis Ababa	ETH
22251	105385	PI 382685	H. vulg.	GAW 8\1	ETH	Addis Ababa	ETH
22252	105386	PI 382686	H. vulg.	GAW 8\2	ETH	Addis Ababa	ETH
22253	105387	PI 382687	H. vulg.	GAW 9\1	ETH	Addis Ababa	ETH
22254	105388	PI 382688	H. vulg.	GAW 9\2	ETH	Addis Ababa	ETH
22255	105389	PI 382689	H. vulg.	GAW 9\3	ETH	Addis Ababa	ETH
22256	105390	PI 382690	H. vulg.	GAW 9\4	ETH	Addis Ababa	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
22257	105391	PI 382691	H. vulg.	GAW 10\1	ETH	Addis Ababa	ETH
22258	105392	PI 382692	H. vulg.	GAW 10\2	ETH	Addis Ababa	ETH
22259	105393	PI 382693	H. vulg.	GAW 10\3	ETH	Addis Ababa	ETH
22260	105394	PI 382694	H. vulg.	GAW 11\1	ETH	Addis Ababa	ETH
22261	105395	PI 382695	H. vulg.	GAW 11\2	ETH	Addis Ababa	ETH
22262	105396	PI 382696	H. vulg.	GAW 12\1	ETH	Addis Ababa	ETH
22263	105397	PI 382697	H. vulg.	GAW 12\2	ETH	Addis Ababa	ETH
22264	105398	PI 382698	H. vulg.	GAW 12\3	ETH	Addis Ababa	ETH
22265	105399	PI 382699	H. vulg.	GAW 12\5	ETH	Addis Ababa	ETH
22266	105400	PI 382700	H. vulg.	GAW 13\1	ETH	Addis Ababa	ETH
22267	105401	PI 382701	H. vulg.	GAW 13\2	ETH	Addis Ababa	ETH
22268	105402	PI 382702	H. vulg.	GAW 13\3	ETH	Addis Ababa	ETH
22269	105403	PI 382703	H. vulg.	GAW 14\1	ETH	Addis Ababa	ETH
22270	105404	PI 382704	H. vulg.	GAW 14\2	ETH	Addis Ababa	ETH
22271	105405	PI 382705	H. vulg.	GAW 14\3	ETH	Addis Ababa	ETH
22272	105406	PI 382706	H. vulg.	GAW 15\1	ETH	Addis Ababa	ETH
22273	105407	PI 382707	H. vulg.	GAW 15\2	ETH	Addis Ababa	ETH
22274	105408	PI 382708	H. vulg.	GAW 15\3	ETH	Addis Ababa	ETH
22275	105409	PI 382709	H. vulg.	GAW 15\4	ETH	Addis Ababa	ETH
22276	105410	PI 382710	H. vulg.	GAW 17\1	ETH	Addis Ababa	ETH
22277	105411	PI 382711	H. vulg.	GAW 18\1	ETH	Addis Ababa	ETH
22278	105412	PI 382712	H. vulg.	GAW 18\2	ETH	Addis Ababa	ETH
22279	105413	PI 382713	H. vulg.	GAW 18\3	ETH	Addis Ababa	ETH
22280	105414	PI 382714	H. vulg.	GAW 18\4	ETH	Addis Ababa	ETH
22281	105415	PI 382715	H. vulg.	GAW 19\1	ETH	Addis Ababa	ETH
22282	105416	PI 382716	H. vulg.	GAW 20\1	ETH	Addis Ababa	ETH
22283	105417	PI 382717	H. vulg.	GAW 20\2	ETH	Addis Ababa	ETH
22284	105418	PI 382718	H. vulg.	GAW 24\1	ETH	Addis Ababa	ETH
22285	105419	PI 382719	H. vulg.	GAW 24\2	ETH	Addis Ababa	ETH
22286	105420	PI 382720	H. vulg.	GAW 24\3	ETH	Addis Ababa	ETH
22287	105421	PI 382721	H. vulg.	GAW 24\4	ETH	Addis Ababa	ETH
22288	105422	PI 382722	H. vulg.	GAW 25\1	ETH	Addis Ababa	ETH
22289	105423	PI 382723	H. vulg.	GAW 25\2	ETH	Addis Ababa	ETH
22290	105424	PI 382724	H. vulg.	GAW 26\3	ETH	Addis Ababa	ETH
22291	105425	PI 382725	H. vulg.	GAW 27\1	ETH	Addis Ababa	ETH
22292	105426	PI 382726	H. vulg.	GAW 27\2	ETH	Addis Ababa	ETH
22293	105427	PI 382727	H. vulg.	GAW 28\6	ETH	Bhar Dar	ETH
22294	105428	PI 382728	H. vulg.	GAW 28\7	ETH	Bhar Dar	ETH
22295	105429	PI 382729	H. vulg.	GAW 28\8	ETH	Bhar Dar	ETH
22296	105430	PI 382730	H. vulg.	GAW 30\1	ETH	Gondar	ETH
22297	105431	PI 382731	H. vulg.	GAW 30\2	ETH	Gondar	ETH
22298	105432	PI 382732	H. vulg.	GAW 30\3	ETH	Gondar	ETH
22299	105433	PI 382733	H. vulg.	GAW 30\4	ETH	Gondar	ETH
22300	105434	PI 382734	H. vulg.	GAW 30\5	ETH	Gondar	ETH
22301	105435	PI 382735	H. vulg.	GAW 31\1	ETH	Gondar	ETH
22302	105436	PI 382736	H. vulg.	GAW 31\2	ETH	Gondar	ETH
22303	105437	PI 382737	H. vulg.	GAW 31\3	ETH	Gondar	ETH
22304	105438	PI 382738	H. vulg.	GAW 31\4	ETH	Gondar	ETH
22305	105439	PI 382739	H. vulg.	GAW 31\5	ETH	Gondar	ETH
22306	105440	PI 382740	H. vulg.	GAW 32\1	ETH	Gondar	ETH
22307	105441	PI 382741	H. vulg.	GAW 32\2	ETH	Gondar	ETH
22308	105442	PI 382742	H. vulg.	GAW 32\3	ETH	Gondar	ETH
22309	105443	PI 382743	H. vulg.	GAW 32\4	ETH	Gondar	ETH
22310	105444	PI 382744	H. vulg.	GAW 32\5	ETH	Gondar	ETH
22311	105445	PI 382745	H. vulg.	GAW 32\6	ETH	Gondar	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
22312	105446	PI 382746	H. vulg.	GAW 33\1	ETH	Gondar	ETH
22313	105447	PI 382747	H. vulg.	GAW 33\2	ETH	Gondar	ETH
22314	105448	PI 382748	H. vulg.	GAW 33\3	ETH	Gondar	ETH
22315	105449	PI 382749	H. vulg.	GAW 33\4	ETH	Gondar	ETH
22316	105450	PI 382750	H. vulg.	GAW 33\5	ETH	Gondar	ETH
22317	105451	PI 382751	H. vulg.	GAW 33\6	ETH	Gondar	ETH
22318	105452	PI 382752	H. vulg.	GAW 33\7	ETH	Gondar	ETH
22319	105453	PI 382753	H. vulg.	GAW 34\1	ETH	Gondar	ETH
22320	105454	PI 382754	H. vulg.	GAW 34\2	ETH	Gondar	ETH
22321	105455	PI 382755	H. vulg.	GAW 34\3	ETH	Gondar	ETH
22322	105456	PI 382756	H. vulg.	GAW 34\4	ETH	Gondar	ETH
22323	105457	PI 382757	H. vulg.	GAW 34\5	ETH	Gondar	ETH
22324	105458	PI 382758	H. vulg.	GAW 34\6	ETH	Gondar	ETH
22325	105459	PI 382759	H. vulg.	GAW 35\1	ETH	Gondar	ETH
22326	105460	PI 382760	H. vulg.	GAW 35\2	ETH	Gondar	ETH
22327	105461	PI 382761	H. vulg.	GAW 35\3	ETH	Gondar	ETH
22328	105462	PI 382762	H. vulg.	GAW 35\6	ETH	Gondar	ETH
22329	105463	PI 382763	H. vulg.	GAW 35\7	ETH	Gondar	ETH
22330	105464	PI 382764	H. vulg.	GAW 35\8	ETH	Gondar	ETH
22331	105465	PI 382765	H. vulg.	GAW 36\1	ETH	Gondar	ETH
22332	105466	PI 382766	H. vulg.	GAW 37\1	ETH	Gondar	ETH
22333	105467	PI 382767	H. vulg.	GAW 37\2	ETH	Gondar	ETH
22334	105468	PI 382768	H. vulg.	GAW 37\3	ETH	Gondar	ETH
22335	105469	PI 382779	H. vulg.	GAW 37\4	ETH	Gondar	ETH
22336	105470	PI 382770	H. vulg.	GAW 37\5	ETH	Gondar	ETH
22337	105471	PI 382771	H. vulg.	GAW 38\1	ETH	Gondar	ETH
22338	105472	PI 382772	H. vulg.	GAW 38\2	ETH	Gondar	ETH
22339	105473	PI 382773	H. vulg.	GAW 38\3	ETH	Gondar	ETH
22340	105474	PI 382774	H. vulg.	GAW 38\4	ETH	Gondar	ETH
22341	105475	PI 382775	H. vulg.	GAW 38\5	ETH	Gondar	ETH
22342	105476	PI 382776	H. vulg.	GAW 38\6	ETH	Gondar	ETH
22343	105477	PI 382777	H. vulg.	GAW 38\7	ETH	Gondar	ETH
22344	105478	PI 382778	H. vulg.	GAW 38\8	ETH	Gondar	ETH
22345	105479	PI 382779	H. vulg.	GAW 38\9	ETH	Gondar	ETH
22346	105480	PI 382780	H. vulg.	GAW 38\10	ETH	Gondar	ETH
22347	105481	PI 382781	H. vulg.	GAW 38\11	ETH	Gondar	ETH
22348	105482	PI 382782	H. vulg.	GAW 38\12	ETH	Gondar	ETH
22349	105483	PI 382783	H. vulg.	GAW 39\1	ETH	Gondar	ETH
22350	105484	PI 382784	H. vulg.	GAW 39\2	ETH	Gondar	ETH
22351	105485	PI 382785	H. vulg.	GAW 39\3	ETH	Gondar	ETH
22352	105486	PI 382786	H. vulg.	GAW 39\4	ETH	Gondar	ETH
22353	105487	PI 382787	H. vulg.	GAW 39\5	ETH	Gondar	ETH
22354	105488	PI 382788	H. vulg.	GAW 41\1	ETH	Gondar	ETH
22355	105489	PI 382789	H. vulg.	GAW 41\2	ETH	Gondar	ETH
22356	105490	PI 382790	H. vulg.	GAW 41\3	ETH	Gondar	ETH
22357	105491	PI 382791	H. vulg.	GAW 41\4	ETH	Gondar	ETH
22358	105492	PI 382792	H. vulg.	GAW 41\5	ETH	Gondar	ETH
22359	105493	PI 382793	H. vulg.	GAW 41\6	ETH	Gondar	ETH
22360	105494	PI 382794	H. vulg.	GAW 41\7	ETH	Gondar	ETH
22361	105495	PI 382795	H. vulg.	GAW 41\8	ETH	Gondar	ETH
22362	105496	PI 382796	H. vulg.	GAW 41\9	ETH	Gondar	ETH
22363	105497	PI 382797	H. vulg.	GAW 41\10	ETH	Gondar	ETH
22364	105498	PI 382798	H. vulg.	GAW 42\1	ETH	Gondar	ETH
22365	105499	PI 382799	H. vulg.	GAW 42\2	ETH	Gondar	ETH
22366	105500	PI 382800	H. vulg.	GAW 42\3	ETH	Gondar	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
22367	105501	PI 382801	H. vulg.	GAW 42\4	ETH	Gondar	ETH
22368	105502	PI 382802	H. vulg.	GAW 42\5	ETH	Gondar	ETH
22369	105503	PI 382803	H. vulg.	GAW 42\6	ETH	Gondar	ETH
22370	105504	PI 382804	H. vulg.	GAW 42\7	ETH	Gondar	ETH
22371	105505	PI 382805	H. vulg.	GAW 42\8	ETH	Gondar	ETH
22372	105506	PI 382806	H. vulg.	GAW 42\9	ETH	Gondar	ETH
22373	105507	PI 382807	H. vulg.	GAW 42\10	ETH	Gondar	ETH
22374	105508	PI 382808	H. vulg.	GAW 42\11	ETH	Gondar	ETH
22375	105509	PI 382809	H. vulg.	GAW 43\1	ETH	Gondar	ETH
22376	105510	PI 382810	H. vulg.	GAW 43\2	ETH	Gondar	ETH
22377	105511	PI 382811	H. vulg.	GAW 43\3	ETH	Gondar	ETH
22378	105512	PI 382812	H. vulg.	GAW 43\4	ETH	Gondar	ETH
22379	105513	PI 382813	H. vulg.	GAW 43\5	ETH	Gondar	ETH
22380	105514	PI 382814	H. vulg.	GAW 43\6	ETH	Gondar	ETH
22381	105515	PI 382815	H. vulg.	GAW 43\7	ETH	Gondar	ETH
22382	105516	PI 382816	H. vulg.	GAW 43\8	ETH	Gondar	ETH
22383	105517	PI 382817	H. vulg.	GAW 44\1	ETH	Gondar	ETH
22384	105518	PI 382818	H. vulg.	GAW 44\2	ETH	Gondar	ETH
22385	105519	PI 382819	H. vulg.	GAW 44\3	ETH	Gondar	ETH
22386	105520	PI 382820	H. vulg.	GAW 44\4	ETH	Gondar	ETH
22387	105521	PI 382821	H. vulg.	GAW 44\5	ETH	Gondar	ETH
22388	105522	PI 382822	H. vulg.	GAW 45\1	ETH	Gondar	ETH
22389	105523	PI 382823	H. vulg.	GAW 45\2	ETH	Gondar	ETH
22390	105524	PI 382824	H. vulg.	GAW 45\3	ETH	Gondar	ETH
22391	105525	PI 382825	H. vulg.	GAW 45\4	ETH	Gondar	ETH
22392	105526	PI 382826	H. vulg.	GAW 45\5	ETH	Gondar	ETH
22393	105527	PI 382827	H. vulg.	GAW 45\6	ETH	Gondar	ETH
22394	105528	PI 382828	H. vulg.	GAW 46\1	ETH	Gondar	ETH
22395	105529	PI 382829	H. vulg.	GAW 46\2	ETH	Gondar	ETH
22396	105530	PI 382830	H. vulg.	GAW 46\3	ETH	Gondar	ETH
22397	105531	PI 382831	H. vulg.	GAW 46\4	ETH	Gondar	ETH
22398	105532	PI 382832	H. vulg.	GAW 46\5	ETH	Gondar	ETH
22399	105533	PI 382833	H. vulg.	GAW 46\6	ETH	Gondar	ETH
22400	105534	PI 382834	H. vulg.	GAW 46\7	ETH	Gondar	ETH
22404	105535	PI 382835	H. vulg.	GAW 46\8	ETH	Gondar	ETH
22402	105536	PI 382836	H. vulg.	GAW 46\9	ETH	Gondar	ETH
22403	105537	PI 382837	H. vulg.	GAW 46\10	ETH	Gondar	ETH
22404	105538	PI 382838	H. vulg.	GAW 46\11	ETH	Gondar	ETH
22405	105539	PI 382839	H. vulg.	GAW 47\1	ETH	Gondar	ETH
22406	105540	PI 382840	H. vulg.	GAW 47\2	ETH	Gondar	ETH
22407	105541	PI 382841	H. vulg.	GAW 47\3	ETH	Gondar	ETH
22408	105542	PI 382842	H. vulg.	GAW 47\4	ETH	Gondar	ETH
22409	105543	PI 382843	H. vulg.	GAW 47\5	ETH	Gondar	ETH
22410	105544	PI 382844	H. vulg.	GAW 47\6	ETH	Gondar	ETH
22411	105545	PI 382845	H. vulg.	GAW 47\7	ETH	Gondar	ETH
22412	105546	PI 382846	H. vulg.	GAW 47\8	ETH	Gondar	ETH
22413	105547	PI 382847	H. vulg.	GAW 47\9	ETH	Gondar	ETH
22414	105548	PI 382848	H. vulg.	GAW 47\10	ETH	Gondar	ETH
22415	105549	PI 382849	H. vulg.	GAW 48\1	ETH	Gondar	ETH
22416	105550	PI 382850	H. vulg.	GAW 48\2	ETH	Gondar	ETH
22417	105551	PI 382851	H. vulg.	GAW 48\3	ETH	Gondar	ETH
22418	105552	PI 382852	H. vulg.	GAW 48\4	ETH	Gondar	ETH
22419	105553	PI 382853	H. vulg.	GAW 48\5	ETH	Gondar	ETH
22420	105554	PI 382854	H. vulg.	GAW 48\6	ETH	Gondar	ETH
22421	105555	PI 382855	H. vulg.	GAW 48\7	ETH	Gondar	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
22422	105556	PI 382856	H. vulg.	GAW 48\8	ETH	Gondar	ETH
22423	105557	PI 382857	H. vulg.	GAW 48\9	ETH	Gondar	ETH
22424	105558	PI 382858	H. vulg.	GAW 48\10	ETH	Gondar	ETH
22425	105559	PI 382859	H. vulg.	GAW 48\11	ETH	Gondar	ETH
22426	105560	PI 382860	H. vulg.	GAW 48\12	ETH	Gondar	ETH
22427	105561	PI 382861	H. vulg.	GAW 48\13	ETH	Gondar	ETH
22428	105562	PI 382862	H. vulg.	GAW 48\14	ETH	Gondar	ETH
22429	105563	PI 382863	H. vulg.	GAW 48\15	ETH	Gondar	ETH
22430	105564	PI 382864	H. vulg.	GAW 48\16	ETH	Gondar	ETH
22431	105565	PI 382865	H. vulg.	GAW 48\17	ETH	Gondar	ETH
22432	105566	PI 382866	H. vulg.	GAW 48\18	ETH	Gondar	ETH
22433	105567	PI 382867	H. vulg.	GAW 49\1	ETH	Gondar	ETH
22434	105568	PI 382868	H. vulg.	GAW 49\2	ETH	Gondar	ETH
22435	105569	PI 382869	H. vulg.	GAW 49\3	ETH	Gondar	ETH
22436	105570	PI 382870	H. vulg.	GAW 49\4	ETH	Gondar	ETH
22437	105571	PI 382871	H. vulg.	GAW 49\5	ETH	Gondar	ETH
22438	105572	PI 382872	H. vulg.	GAW 49\6	ETH	Gondar	ETH
22439	105573	PI 382873	H. vulg.	GAW 49\7	ETH	Gondar	ETH
22440	105574	PI 382874	H. vulg.	GAW 50\1	ETH	Gondar	ETH
22441	105575	PI 382875	H. vulg.	GAW 50\2	ETH	Gondar	ETH
22442	105576	PI 382876	H. vulg.	GAW 50\3	ETH	Gondar	ETH
22443	105577	PI 382877	H. vulg.	GAW 50\4	ETH	Gondar	ETH
22444	105578	PI 382878	H. vulg.	GAW 50\5	ETH	Gondar	ETH
22445	105579	PI 382879	H. vulg.	GAW 50\6	ETH	Gondar	ETH
22446	105580	PI 382880	H. vulg.	GAW 50\7	ETH	Gondar	ETH
22447	105581	PI 382881	H. vulg.	GAW 50\8	ETH	Gondar	ETH
22448	105582	PI 382882	H. vulg.	GAW 50\9	ETH	Gondar	ETH
22449	105583	PI 382883	H. vulg.	GAW 50\13	ETH	Gondar	ETH
22450	105584	PI 382884	H. vulg.	GAW 50\14	ETH	Gondar	ETH
22451	105585	PI 382885	H. vulg.	GAW 52\1	ETH	Axum	ETH
22452	105586	PI 382886	H. vulg.	GAW 53\1	ETH	Axum	ETH
22453	105587	PI 382887	H. vulg.	GAW 53\2	ETH	Axum	ETH
22454	105588	PI 382888	H. vulg.	GAW 53\3	ETH	Axum	ETH
22455	105589	PI 382889	H. vulg.	GAW 53\4	ETH	Axum	ETH
22456	105590	PI 382890	H. vulg.	GAW 53\5	ETH	Axum	ETH
22457	105591	PI 382891	H. vulg.	GAW 55\1	ETH	Axum	ETH
22458	105592	PI 382892	H. vulg.	GAW 60\1	ETH	Adowa	ETH
22459	105593	PI 382893	H. vulg.	GAW 67\1	ETH	Intcho	ETH
22460	105594	PI 382894	H. vulg.	GAW 67\2	ETH	Intcho	ETH
22461	105595	PI 382895	H. vulg.	GAW 69\1	ETH	Intcho	ETH
22462	105596	PI 382896	H. vulg.	GAW 69\2	ETH	Intcho	ETH
22463	105597	PI 382897	H. vulg.	GAW 69\3	ETH	Intcho	ETH
22464	105598	PI 382898	H. vulg.	GAW 69\4	ETH	Intcho	ETH
22465	105599	PI 382899	H. vulg.	GAW 69\8	ETH	Intcho	ETH
22466	105600	PI 382900	H. vulg.	GAW 70\1	ETH	Intcho	ETH
22467	105601	PI 382901	H. vulg.	GAW 70\2	ETH	Intcho	ETH
22468	105602	PI 382902	H. vulg.	GAW 70\3	ETH	Intcho	ETH
22469	105603	PI 382903	H. vulg.	GAW 70\4	ETH	Intcho	ETH
22470	105604	PI 382904	H. vulg.	GAW 70\5	ETH	Intcho	ETH
22471	105605	PI 382905	H. vulg.	GAW 70\6	ETH	Intcho	ETH
22472	105606	PI 382906	H. vulg.	GAW 70\7	ETH	Intcho	ETH
22473	105607	PI 382907	H. vulg.	GAW 70\9	ETH	Intcho	ETH
22474	105608	PI 382908	H. vulg.	GAW 72\1	ETH	Intcho	ETH
22475	105609	PI 382909	H. vulg.	GAW 72\2	ETH	Intcho	ETH
22476	105610	PI 382910	H. vulg.	GAW 72\7	ETH	Intcho	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
22477	105611	PI 382911	H. vulg.	GAW 72\8	ETH	Intcho	ETH
22478	105612	PI 382912	H. vulg.	GAW 72\9	ETH	Intcho	ETH
22479	105613	PI 382913	H. vulg.	GAW 72\10	ETH	Intcho	ETH
22480	105614	PI 382914	H. vulg.	GAW 72\12	ETH	Intcho	ETH
22481	105615	PI 382915	H. vulg.	GAW 73\1	ETH	Intcho	ETH
22482	105616	PI 382916	H. vulg.	GAW 73\2	ETH	Intcho	ETH
22483	105617	PI 382917	H. vulg.	GAW 73\3	ETH	Intcho	ETH
22484	105618	PI 382918	H. vulg.	GAW 73\4	ETH	Intcho	ETH
22485	105619	PI 382919	H. vulg.	GAW 73\5	ETH	Intcho	ETH
22486	105620	PI 382920	H. vulg.	GAW 73\6	ETH	Intcho	ETH
22487	105621	PI 382921	H. vulg.	GAW 73\7	ETH	Intcho	ETH
22488	105622	PI 382922	H. vulg.	GAW 73\8	ETH	Intcho	ETH
22489	105623	PI 382923	H. vulg.	GAW 74\1	ETH	Adigrat	ETH
22490	105624	PI 382924	H. vulg.	GAW 74\2	ETH	Adigrat	ETH
22491	105625	PI 382925	H. vulg.	GAW 74\3	ETH	Adigrat	ETH
22492	105626	PI 382926	H. vulg.	GAW 74\4	ETH	Adigrat	ETH
22493	105627	PI 382927	H. vulg.	GAW 74\5	ETH	Adigrat	ETH
22494	105628	PI 382928	H. vulg.	GAW 74\6	ETH	Adigrat	ETH
22495	105629	PI 382929	H. vulg.	GAW 74\7	ETH	Adigrat	ETH
22496	105630	PI 382930	H. vulg.	GAW 75\1	ETH	Adigrat	ETH
22497	105631	PI 382931	H. vulg.	GAW 75\2	ETH	Adigrat	ETH
22498	105632	PI 382932	H. vulg.	GAW 75\3	ETH	Adigrat	ETH
22499	105633	PI 382933	H. vulg.	GAW 75\4	ETH	Adigrat	ETH
22500	105634	PI 382934	H. vulg.	GAW 75\5	ETH	Adigrat	ETH
22501	105635	PI 382935	H. vulg.	GAW 75\6	ETH	Adigrat	ETH
22502	105636	PI 382936	H. vulg.	GAW 81\1	ETH	Mekele	ETH
22503	105637	PI 382937	H. vulg.	GAW 81\2	ETH	Mekele	ETH
22504	105638	PI 382938	H. vulg.	GAW 81\3	ETH	Mekele	ETH
22505	105639	PI 382939	H. vulg.	GAW 81\4	ETH	Mekele	ETH
22506	105640	PI 382940	H. vulg.	GAW 83\1	ETH	Mekele	ETH
22507	105641	PI 382941	H. vulg.	GAW 83\2	ETH	Mekele	ETH
22508	105642	PI 382942	H. vulg.	GAW 83\3	ETH	Mekele	ETH
22509	105643	PI 382943	H. vulg.	GAW 83\4	ETH	Mekele	ETH
22510	105644	PI 382944	H. vulg.	GAW 83\5	ETH	Mekele	ETH
22511	105645	PI 382945	H. vulg.	GAW 83\6	ETH	Mekele	ETH
22512	105646	PI 382946	H. vulg.	GAW 83\7	ETH	Mekele	ETH
22513	105647	PI 382947	H. vulg.	GAW 83\8	ETH	Mekele	ETH
22514	105648	PI 382948	H. vulg.	GAW 84\1	ETH	Mekele	ETH
22515	105649	PI 382949	H. vulg.	GAW 84\2	ETH	Mekele	ETH
22516	105650	PI 382950	H. vulg.	GAW 84\3	ETH	Mekele	ETH
22517	105651	PI 382951	H. vulg.	GAW 84\4	ETH	Mekele	ETH
22518	105652	PI 382952	H. vulg.	GAW 84\5	ETH	Mekele	ETH
22519	105653	PI 382953	H. vulg.	GAW 84\6	ETH	Mekele	ETH
22520	105654	PI 382954	H. vulg.	GAW 84\7	ETH	Mekele	ETH
22521	105655	PI 382955	H. vulg.	GAW 84\8	ETH	Mekele	ETH
22522	105656	PI 382956	H. vulg.	GAW 84\9	ETH	Mekele	ETH
22523	105657	PI 382957	H. vulg.	GAW 84\10	ETH	Mekele	ETH
22524	105658	PI 382958	H. vulg.	GAW 84\11	ETH	Mekele	ETH
22525	105659	PI 382959	H. vulg.	GAW 84\12	ETH	Mekele	ETH
22526	105660	PI 382960	H. vulg.	GAW 84\13	ETH	Mekele	ETH
22527	105661	PI 382961	H. vulg.	GAW 84A\1	ETH	Mekele	ETH
22528	105662	PI 382962	H. vulg.	GAW 84A\2	ETH	Mekele	ETH
22529	105663	PI 382963	H. vulg.	GAW 84A\3	ETH	Mekele	ETH
22530	105664	PI 382964	H. vulg.	GAW 84A\4	ETH	Mekele	ETH
22531	105665	PI 382965	H. vulg.	GAW 84A\5	ETH	Mekele	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
22532	105666	PI 382966	H. vulg.	GAW 84A\6	ETH	Mekele	ETH
22533	105667	PI 382967	H. vulg.	GAW 84A\7	ETH	Mekele	ETH
22534	105668	PI 382968	H. vulg.	GAW 84A\8	ETH	Mekele	ETH
22535	105669	PI 382969	H. vulg.	GAW 84A\9	ETH	Mekele	ETH
22536	105670	PI 382970	H. vulg.	GAW 84A\10	ETH	Mekele	ETH
22537	105671	PI 382971	H. vulg.	GAW 84A\11	ETH	Mekele	ETH
22538	105672	PI 382972	H. vulg.	GAW 85\1	ETH	Mekele	ETH
22539	105673	PI 382973	H. vulg.	GAW 85\2	ETH	Mekele	ETH
22540	105674	PI 382974	H. vulg.	GAW 85\3	ETH	Mekele	ETH
22541	105675	PI 382975	H. vulg.	GAW 85\4	ETH	Mekele	ETH
22542	105676	PI 382976	H. vulg.	GAW 85\5	ETH	Mekele	ETH
22543	105677	PI 382977	H. vulg.	GAW 85\6	ETH	Mekele	ETH
22544	105678	PI 382978	H. vulg.	GAW 85\7	ETH	Mekele	ETH
22545	105679	PI 382979	H. vulg.	GAW 85\8	ETH	Mekele	ETH
22546	105680	PI 382980	H. vulg.	GAW 85\9	ETH	Mekele	ETH
22547	105681	PI 382981	H. vulg.	GAW 85\11	ETH	Mekele	ETH
22548	105682	PI 382982	H. vulg.	GAW 87\1	ETH	Mekele	ETH
22549	105683	PI 382983	H. vulg.	GAW 87\2	ETH	Mekele	ETH
22550	105684	PI 382984	H. vulg.	GAW 87\3	ETH	Mekele	ETH
22551	105685	PI 382985	H. vulg.	GAW 87\4	ETH	Mekele	ETH
22552	105686	PI 382986	H. vulg.	GAW 87\5	ETH	Mekele	ETH
22553	105687	PI 382987	H. vulg.	GAW 87\6	ETH	Mekele	ETH
22554	105688	PI 382988	H. vulg.	GAW 88\1	ETH	Mekele	ETH
22555	105689	PI 382989	H. vulg.	GAW 88\2	ETH	Mekele	ETH
22556	105690	PI 382990	H. vulg.	GAW 88\3	ETH	Mekele	ETH
22557	105691	PI 382991	H. vulg.	GAW 88\4	ETH	Mekele	ETH
22558	105692	PI 382992	H. vulg.	GAW 88\6	ETH	Mekele	ETH
22559	105693	PI 382993	H. vulg.	GAW 89\1	ETH	Mekele	ETH
22560	105694	PI 382994	H. vulg.	GAW 89\2	ETH	Mekele	ETH
22561	105695	PI 382995	H. vulg.	GAW 89\3	ETH	Mekele	ETH
22562	105696	PI 382996	H. vulg.	GAW 89\4	ETH	Mekele	ETH
22563	105697	PI 382997	H. vulg.	GAW 89\5	ETH	Mekele	ETH
22564	105698	PI 382998	H. vulg.	GAW 89\6	ETH	Mekele	ETH
22565	105699	PI 382999	H. vulg.	GAW 89\7	ETH	Mekele	ETH
22566	105700	PI 383000	H. vulg.	GAW 89\8	ETH	Mekele	ETH
22567	105701	PI 383001	H. vulg.	GAW 89\9	ETH	Mekele	ETH
22568	105702	PI 383002	H. vulg.	GAW 89\10	ETH	Mekele	ETH
22569	105703	PI 383003	H. vulg.	GAW 90\1	ETH	Mekele	ETH
22570	105704	PI 383004	H. vulg.	GAW 90\2	ETH	Mekele	ETH
22571	105705	PI 383005	H. vulg.	GAW 90\3	ETH	Mekele	ETH
22572	105706	PI 383006	H. vulg.	GAW 91	ETH	Kombolcha	ETH
22573	105707	PI 383007	H. vulg.	GAW 92\1	ETH	Kombolcha	ETH
22574	105708	PI 383008	H. vulg.	GAW 92\2	ETH	Kombolcha	ETH
22575	105709	PI 383009	H. vulg.	GAW 92\3	ETH	Kombolcha	ETH
22576	105710	PI 383010	H. vulg.	GAW 92\4	ETH	Kombolcha	ETH
22577	105711	PI 383011	H. vulg.	GAW 92\5	ETH	Kombolcha	ETH
22578	105712	PI 383012	H. vulg.	GAW 92\6	ETH	Kombolcha	ETH
22579	105713	PI 383013	H. vulg.	GAW 92\7	ETH	Kombolcha	ETH
22580	105714	PI 383014	H. vulg.	GAW 92\8	ETH	Kombolcha	ETH
22581	105715	PI 383015	H. vulg.	GAW 92\9	ETH	Kombolcha	ETH
22582	105716	PI 383016	H. vulg.	GAW 93\1	ETH	Kombolcha	ETH
22583	105717	PI 383017	H. vulg.	GAW 93\2	ETH	Kombolcha	ETH
22584	105718	PI 383018	H. vulg.	GAW 93\3	ETH	Kombolcha	ETH
22585	105719	PI 383019	H. vulg.	GAW 94\1	ETH	Addis Ababa	ETH
22586	105720	PI 383020	H. vulg.	GAW 94\2	ETH	Addis Ababa	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
22587	105721	PI 383021	H. vulg.	GAW 95\1	ETH	Addis Ababa	ETH
22588	105722	PI 383022	H. vulg.	GAW 95\2	ETH	Addis Ababa	ETH
22589	105723	PI 383023	H. vulg.	GAW 95\3	ETH	Addis Ababa	ETH
22590	105724	PI 383024	H. vulg.	GAW 96\1	ETH	Addis Ababa	ETH
22591	105725	PI 383025	H. vulg.	GAW 96\2	ETH	Addis Ababa	ETH
22592	105726	PI 383026	H. vulg.	GAW 96\3	ETH	Addis Ababa	ETH
22593	105727	PI 383027	H. vulg.	GAW 98\1	ETH	Addis Ababa	ETH
22594	105728	PI 383028	H. vulg.	GAW 99\1	ETH	Jimma	ETH
22595	105729	PI 383029	H. vulg.	GAW 99\2	ETH	Jimma	ETH
22596	105730	PI 383030	H. vulg.	GAW 99\3	ETH	Jimma	ETH
22597	105731	PI 383031	H. vulg.	GAW 99\4	ETH	Jimma	ETH
22598	105732	PI 383032	H. vulg.	GAW 99\5	ETH	Jimma	ETH
22599	105733	PI 383033	H. vulg.	GAW 104\8	ETH	Addis Ababa	ETH
22600	105734	PI 383034	H. vulg.	GAW 106\1	ETH	Ambo	ETH
22601	105735	PI 383035	H. vulg.	GAW 106\2	ETH	Ambo	ETH
22602	105736	PI 383036	H. vulg.	GAW 106\3	ETH	Ambo	ETH
22603	105737	PI 383037	H. vulg.	GAW 107\1	ETH	Ambo	ETH
22604	105738	PI 383038	H. vulg.	GAW 108\1	ETH	Ambo	ETH
22605	105739	PI 383039	H. vulg.	GAW 109\1	ETH	Ambo	ETH
22606	105740	PI 383040	H. vulg.	GAW 109\2	ETH	Ambo	ETH
22607	105741	PI 383041	H. vulg.	GAW 110\1	ETH	Ambo	ETH
22608	105742	PI 383042	H. vulg.	GAW 111\1	ETH	Ambo	ETH
22609	105743	PI 383043	H. vulg.	GAW 111\2	ETH	Ambo	ETH
22610	105744	PI 383045	H. vulg.	GAW 111\4	ETH	Ambo	ETH
22611	105745	PI 383046	H. vulg.	GAW 111\5	ETH	Ambo	ETH
22612	105746	PI 383047	H. vulg.	GAW 111\6	ETH	Ambo	ETH
22613	105747	PI 383048	H. vulg.	GAW 112\1	ETH	Ambo	ETH
22614	105748	PI 383049	H. vulg.	GAW 112\2	ETH	Ambo	ETH
22615	105749	PI 383050	H. vulg.	GAW 112\3	ETH	Ambo	ETH
22616	105750	PI 383051	H. vulg.	GAW 112\4	ETH	Ambo	ETH
22617	105751	PI 383052	H. vulg.	GAW 112\5	ETH	Ambo	ETH
22618	105752	PI 383053	H. vulg.	GAW 112\6	ETH	Ambo	ETH
22619	105753	PI 383054	H. vulg.	GAW 112\7	ETH	Ambo	ETH
22620	105754	PI 383055	H. vulg.	GAW 112\8	ETH	Ambo	ETH
22621	105755	PI 383056	H. vulg.	GAW 112\9	ETH	Ambo	ETH
22622	105756	PI 383057	H. vulg.	GAW 113\1	ETH	Ambo	ETH
22623	105757	PI 383058	H. vulg.	GAW 113\2	ETH	Ambo	ETH
22624	105758	PI 383059	H. vulg.	GAW 113\3	ETH	Ambo	ETH
22625	105759	PI 383060	H. vulg.	GAW 113\4	ETH	Ambo	ETH
22626	105760	PI 383061	H. vulg.	GAW 113\5	ETH	Ambo	ETH
22627	105761	PI 383062	H. vulg.	GAW 113\6	ETH	Ambo	ETH
22628	105762	PI 383063	H. vulg.	GAW 113\7	ETH	Ambo	ETH
22629	105763	PI 383064	H. vulg.	GAW 114\1	ETH	Ambo	ETH
22630	105764	PI 383065	H. vulg.	GAW 115\1	ETH	Ambo	ETH
22631	105765	PI 383066	H. vulg.	GAW 115\2	ETH	Ambo	ETH
22632	105766	PI 383067	H. vulg.	GAW 115\3	ETH	Ambo	ETH
22633	105767	PI 383068	H. vulg.	GAW 116\2	ETH	Ambo	ETH
22634	105768	PI 383069	H. vulg.	GAW 116\5	ETH	Ambo	ETH
22635	105769	PI 383070	H. vulg.	GAW 117\1	ETH	Ambo	ETH
22636	105770	PI 383071	H. vulg.	GAW 117\2	ETH	Ambo	ETH
22637	105771	PI 383072	H. vulg.	GAW 117\3	ETH	Ambo	ETH
22638	105772	PI 383073	H. vulg.	GAW 117\6	ETH	Ambo	ETH
22639	105773	PI 383074	H. vulg.	GAW 118\1	ETH	Ambo	ETH
22640	105774	PI 383075	H. vulg.	GAW 118\8	ETH	Ambo	ETH
22641	105775	PI 383076	H. vulg.	GAW 118\9	ETH	Ambo	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
22642	105776	PI 383077	H. vulg.	GAW 119\1	ETH	Ambo	ETH
22643	105777	PI 383078	H. vulg.	GAW 119\2	ETH	Ambo	ETH
22644	105778	PI 383079	H. vulg.	GAW 119\3	ETH	Ambo	ETH
22645	105779	PI 383080	H. vulg.	GAW 119\4	ETH	Ambo	ETH
22646	105780	PI 383081	H. vulg.	GAW 119\5	ETH	Ambo	ETH
22647	105781	PI 383082	H. vulg.	GAW 119\9	ETH	Ambo	ETH
22648	105782	PI 383083	H. vulg.	GAW 119\10	ETH	Ambo	ETH
22649	105783	PI 383084	H. vulg.	GAW 120\1	ETH	Ambo	ETH
22650	105784	PI 383085	H. vulg.	GAW 121\1	ETH	Ambo	ETH
22651	105785	PI 383086	H. vulg.	GAW 121\2	ETH	Ambo	ETH
22652	105786	PI 383087	H. vulg.	GAW 121\3	ETH	Ambo	ETH
22653	105787	PI 383089	H. vulg.	GAW 122\1	ETH	Ambo	ETH
22654	105788	PI 383090	H. vulg.	GAW 122\2	ETH	Ambo	ETH
22655	105789	PI 383091	H. vulg.	GAW 122\3	ETH	Ambo	ETH
22656	105790	PI 383092	H. vulg.	GAW 122\4	ETH	Ambo	ETH
22657	105791	PI 383093	H. vulg.	GAW 122\5	ETH	Ambo	ETH
22658	105792	PI 383094	H. vulg.	GAW 123\1	ETH	Ambo	ETH
22659	105793	PI 383095	H. vulg.	GAW 123\2	ETH	Ambo	ETH
22660	105794	PI 383096	H. vulg.	GAW 123\3	ETH	Ambo	ETH
22661	105795	PI 383097	H. vulg.	GAW 123\4	ETH	Ambo	ETH
22662	105796	PI 383098	H. vulg.	GAW 123\5	ETH	Ambo	ETH
22663	105797	PI 383099	H. vulg.	GAW 123\6	ETH	Ambo	ETH
22664	105798	PI 383100	H. vulg.	GAW 123\7	ETH	Ambo	ETH
22665	105799	PI 383101	H. vulg.	GAW 125\1	ETH	Fincha	ETH
22666	105800	PI 383102	H. vulg.	GAW 125\2	ETH	Fincha	ETH
22667	105801	PI 383103	H. vulg.	GAW 125\3	ETH	Fincha	ETH
22668	105802	PI 383104	H. vulg.	GAW 125\4	ETH	Fincha	ETH
22669	105803	PI 383105	H. vulg.	GAW 125\6	ETH	Fincha	ETH
22670	105804	PI 383106	H. vulg.	GAW 126\1	ETH	Fincha	ETH
22671	105805	PI 383107	H. vulg.	GAW 126\2	ETH	Fincha	ETH
22672	105806	PI 383108	H. vulg.	GAW 126\3	ETH	Fincha	ETH
22673	105807	PI 383109	H. vulg.	GAW 126\4	ETH	Fincha	ETH
22674	105808	PI 383110	H. vulg.	GAW 126\5	ETH	Fincha	ETH
22675	105809	PI 383111	H. vulg.	GAW 128\1	ETH	Ambo	ETH
22676	105810	PI 383112	H. vulg.	GAW 128\2	ETH	Ambo	ETH
22677	105811	PI 383113	H. vulg.	GAW 128\3	ETH	Ambo	ETH
22678	105812	PI 383114	H. vulg.	GAW 128\10	ETH	Ambo	ETH
22679	105813	PI 383115	H. vulg.	GAW 128\11	ETH	Ambo	ETH
22680	105814	PI 383116	H. vulg.	GAW 129\1	ETH	Ambo	ETH
22681	105815	PI 383117	H. vulg.	GAW 129\2	ETH	Ambo	ETH
22682	105816	PI 383118	H. vulg.	GAW 129\3	ETH	Ambo	ETH
22683	105817	PI 383119	H. vulg.	GAW 130\1	ETH	Ambo	ETH
22684	105818	PI 383120	H. vulg.	GAW 130\2	ETH	Ambo	ETH
22685	105819	PI 383121	H. vulg.	GAW 130\4	ETH	Ambo	ETH
22686	105820	PI 383122	H. vulg.	GAW 130\5	ETH	Ambo	ETH
22687	105821	PI 383123	H. vulg.	GAW 130\6	ETH	Ambo	ETH
22688	105822	PI 383124	H. vulg.	GAW 131\1	ETH	Ambo	ETH
22689	105823	PI 383125	H. vulg.	GAW 131\2	ETH	Ambo	ETH
22690	105824	PI 383126	H. vulg.	GAW 131\3	ETH	Ambo	ETH
22691	105825	PI 383127	H. vulg.	GAW 131\4	ETH	Ambo	ETH
22692	105826	PI 383129	H. vulg.	GAW 131\6	ETH	Ambo	ETH
22693	105827	PI 383130	H. vulg.	GAW 134\1	ETH	Addis Ababa	ETH
22694	105828	PI 383131	H. vulg.	GAW 134\5	ETH	Addis Ababa	ETH
22695	105829	PI 383132	H. vulg.	GAW 135\1	ETH	Addis Ababa	ETH
22696	105830	PI 383133	H. vulg.	GAW 140\1	ETH	Addis Ababa	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
22697	105831	PI 383134	H. vulg.	GAW 140\3	ETH	Addis Ababa	ETH
22698	105832	PI 383135	H. vulg.	GAW 141\1	ETH	Addis Ababa	ETH
22699	105833	PI 383136	H. vulg.	GAW 141\2	ETH	Addis Ababa	ETH
22700	105834	PI 383137	H. vulg.	GAW 141\3	ETH	Addis Ababa	ETH
22701	105835	PI 383138	H. vulg.	GAW 141\4	ETH	Addis Ababa	ETH
22702	105836	PI 383139	H. vulg.	GAW 141\6	ETH	Addis Ababa	ETH
22703	105837	PI 383140	H. vulg.	GAW 142\1	ETH	Addis Ababa	ETH
22704	105838	PI 383141	H. vulg.	GAW 142\2	ETH	Addis Ababa	ETH
22705	105839	PI 383142	H. vulg.	GAW 142\3	ETH	Addis Ababa	ETH
22706	105840	PI 383143	H. vulg.	GAW 142\4	ETH	Addis Ababa	ETH
22707	105841	PI 383144	H. vulg.	GAW 143\1	ETH	Addis Ababa	ETH
22708	105842	PI 383145	H. vulg.	GAW 143\2	ETH	Addis Ababa	ETH
22709	105843	PI 383146	H. vulg.	GAW 144\1	ETH	Addis Ababa	ETH
22710	105844	PI 383147	H. vulg.	GAW 144\2	ETH	Addis Ababa	ETH
22711	105845	PI 383148	H. vulg.	GAW 144\3	ETH	Addis Ababa	ETH
22712	105846	PI 383149	H. vulg.	GAW 144\4	ETH	Addis Ababa	ETH
22713	105847	PI 383150	H. vulg.	GAW 144\5	ETH	Addis Ababa	ETH
22714	105848	PI 383151	H. vulg.	GAW 144\6	ETH	Addis Ababa	ETH
22715	105849	PI 383152	H. vulg.	GAW 144\7	ETH	Addis Ababa	ETH
22716	105850	PI 383153	H. vulg.	GAW 144\8	ETH	Addis Ababa	ETH
22717	105851	PI 383154	H. vulg.	GAW 144\9	ETH	Addis Ababa	ETH
22718	105852	PI 383155	H. vulg.	GAW 144\10	ETH	Addis Ababa	ETH
22719	105853	PI 383156	H. vulg.	GAW 145\1	ETH	Addis Ababa	ETH
22720	105854	PI 383157	H. vulg.	GAW 145\2	ETH	Addis Ababa	ETH
22721	105855	PI 383158	H. vulg.	GAW 145\3	ETH	Addis Ababa	ETH
22722	105856	PI 383159	H. vulg.	GAW 145\4	ETH	Addis Ababa	ETH
22723	105857	PI 383160	H. vulg.	GAW 145\5	ETH	Addis Ababa	ETH
22724	105858	PI 383161	H. vulg.	GAW 145\6	ETH	Addis Ababa	ETH
22725	105859	PI 383162	H. vulg.	GAW 145\7	ETH	Addis Ababa	ETH
22726	105860	PI 383163	H. vulg.	GAW 145\8	ETH	Addis Ababa	ETH
22727	105861	PI 383164	H. vulg.	GAW 145\9	ETH	Addis Ababa	ETH
22728	105862	PI 383165	H. vulg.	GAW 145\10	ETH	Addis Ababa	ETH
22729	105863	PI 383166	H. vulg.	GAW 145\11	ETH	Addis Ababa	ETH
22730	105864	PI 383167	H. vulg.	GAW 146\1	ETH	Addis Ababa	ETH
22731	105865	PI 383169	H. vulg.	GAW 146\3	ETH	Addis Ababa	ETH
22732	105866	PI 383170	H. vulg.	GAW 146\4	ETH	Addis Ababa	ETH
22733	105867	PI 383171	H. vulg.	GAW 146\5	ETH	Addis Ababa	ETH
22734	105868	PI 383172	H. vulg.	GAW 146\6	ETH	Addis Ababa	ETH
22735	105869	PI 383173	H. vulg.	GAW 146\7	ETH	Addis Ababa	ETH
22736	105870	PI 383174	H. vulg.	GAW 146\8	ETH	Addis Ababa	ETH
22737	105871	PI 383175	H. vulg.	GAW 147\1	ETH	Addis Ababa	ETH
22738	105872	PI 383176	H. vulg.	GAW 147\2	ETH	Addis Ababa	ETH
22739	105873	PI 383177	H. vulg.	GAW 147\3	ETH	Addis Ababa	ETH
22740	105874	PI 383178	H. vulg.	GAW 147\4	ETH	Addis Ababa	ETH
22741	105875	PI 383179	H. vulg.	GAW 148\1	ETH	Addis Ababa	ETH
22742	105876	PI 383180	H. vulg.	GAW 148\2	ETH	Addis Ababa	ETH
22743	105877	PI 383181	H. vulg.	GAW 148\3	ETH	Addis Ababa	ETH
22744	105878	PI 383182	H. vulg.	GAW 148\4	ETH	Addis Ababa	ETH
22745	105879	PI 383183	H. vulg.	GAW 148\5	ETH	Addis Ababa	ETH
22746	105880	PI 383184	H. vulg.	GAW 149\2	ETH	Addis Ababa	ETH
22747	105881	PI 383185	H. vulg.	GAW 149\3	ETH	Addis Ababa	ETH
22748	105882	PI 383186	H. vulg.	GAW 149\4	ETH	Addis Ababa	ETH
22749	105883	PI 383187	H. vulg.	GAW 149\5	ETH	Addis Ababa	ETH
22750	105884	PI 383188	H. vulg.	GAW 150\1	ETH	Addis Ababa	ETH
22751	105885	PI 383189	H. vulg.	GAW 150\2	ETH	Addis Ababa	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
22752	105886	PI 383190	H. vulg.	GAW 150\3	ETH	Addis Ababa	ETH
22753	105887	PI 383191	H. vulg.	GAW 150\4	ETH	Addis Ababa	ETH
22754	105888	PI 383192	H. vulg.	GAW 150\5	ETH	Addis Ababa	ETH
22755	105889	PI 383193	H. vulg.	GAW 150\6	ETH	Addis Ababa	ETH
22756	105890	PI 383194	H. vulg.	GAW 151\1	ETH	Addis Ababa	ETH
22757	105891	PI 383195	H. vulg.	GAW 151\2	ETH	Addis Ababa	ETH
22758	105892	PI 383196	H. vulg.	GAW 151\3	ETH	Addis Ababa	ETH
22759	105893	PI 383197	H. vulg.	GAW 151\4	ETH	Addis Ababa	ETH
22760	105894	PI 383198	H. vulg.	GAW 151\5	ETH	Addis Ababa	ETH
22761	105895	PI 383199	H. vulg.	GAW 151\6	ETH	Addis Ababa	ETH
22762	105896	PI 383200	H. vulg.	GAW 151\7	ETH	Addis Ababa	ETH
22763	105897	PI 383201	H. vulg.	GAW 151\8	ETH	Addis Ababa	ETH
22764	105898	PI 383202	H. vulg.	GAW 151\9	ETH	Addis Ababa	ETH
22765	105899	PI 383203	H. vulg.	GAW 151\10	ETH	Addis Ababa	ETH
22766	105900	PI 383204	H. vulg.	GAW 151\11	ETH	Addis Ababa	ETH
22767	105901	PI 383205	H. vulg.	GAW 152\1	ETH	Holetta	ETH
22768	105902	PI 383206	H. vulg.	GAW 152\2	ETH	Holetta	ETH
22769	105903	PI 383207	H. vulg.	GAW 152\3	ETH	Holetta	ETH
22770	105904	PI 383209	H. vulg.	GAW 152\8	ETH	Holetta	ETH
22771	105905	PI 383854	H. vulg.	DL 69	IND	-	IND
22772	105906	PI 383861	H. vulg.	Hor 500	UNK	-	DDR
22773	105907	PI 383862	H. vulg.	Hor 925	UNK	-	DDR
22774	105908	PI 383863	H. vulg.	Hor 1132	UNK	-	DDR
22775	105909	PI 383926	H. dist.	GSLK 040017	JPN	-	JPN
22776	105910	PI 383927	H. dist.	TOCHIGI	JPN	-	JPN
22777	105911	PI 383928	H. dist.	GSLK 47LVT4	JPN	-	JPN
22778	105912	PI 383929	H. dist.	GSLK 040049	JPN	-	JPN
22779	105913	PI 383930	H. dist.	GSLK 050001	JPN	-	JPN
22780	105914	PI 383931	H. dist.	TOCHIGI	JPN	-	JPN
22781	105915	PI 383933	H. dist.	GSLK 040068	JPN	-	JPN
22782	105916	PI 383934	H. dist.	GSLK 040075	JPN	-	JPN
22783	105917	PI 383935	H. dist.	GSLK 040077	JPN	-	JPN
22784	105918	PI 383936	H. dist.	GSLK 47LVT1	JPN	-	JPN
22785	105919	PI 383937	H. dist.	GSLK 47LVT3	JPN	-	JPN
22786	105920	PI 383940	H. vulg.	GSLK 050041	JPN	-	JPN
22787	105921	PI 383941	H. vulg.	GSLK 060095	JPN	-	JPN
22788	105922	PI 383942	H. vulg.	GSLK 020062	JPN	-	JPN
22789	105923	PI 383943	H. vulg.	GSLK 020129	JPN	-	JPN
22790	105924	PI 383944	H. vulg.	GSLK 040090	JPN	-	JPN
22791	105925	PI 383945	H. vulg.	GSLK 040063	JPN	-	JPN
22792	105926	PI 383946	H. vulg.	GSLK 080055	JPN	-	JPN
22793	105927	PI 383947	H. vulg.	GSLK 040148	JPN	-	JPN
22794	105928	PI 383948	H. vulg.	GSLK 090059	JPN	-	JPN
22795	105929	PI 383949	H. vulg.	GSLK 470VN5	JPN	-	JPN
22796	105930	PI 383950	H. vulg.	GSLK 080095	JPN	-	JPN
22797	105931	PI 383951	H. vulg.	GSLK 050022	JPN	-	JPN
22798	105932	PI 383952	H. vulg.	GSLK 020056	JPN	-	JPN
22799	105933	PI 383953	H. vulg.	GSLK 070037	JPN	-	JPN
22800	105934	PI 383954	H. vulg.	GSLK 090066	JPN	-	JPN
22801	105935	PI 383955	H. vulg.	GSLK 47LV55	JPN	-	JPN
22802	105936	PI 383956	H. vulg.	GSLK 030084	JPN	-	JPN
22803	105937	PI 383957	H. vulg.	GSLK 470VN6	JPN	-	JPN
22804	105938	PI 383958	H. vulg.	GSLK 090054	JPN	-	JPN
22805	105939	PI 383959	H. vulg.	GSLK 040001	JPN	-	JPN
22806	105940	PI 383960	H. vulg.	GSLK 090020	JPN	-	JPN

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
22807	105941	PI 383961	H. vulg.	GSLK 090019	JPN	-	JPN
22808	105942	PI 383962	H. vulg.	GSLK 040052	JPN	-	JPN
22809	105943	PI 383963	H. vulg.	GSLK 090040	JPN	-	JPN
22810	105944	PI 383965	H. vulg.	GSLK 090024	JPN	-	JPN
22811	105945	PI 383966	H. vulg.	GSLK 050023	JPN	-	JPN
22812	105946	PI 383967	H. vulg.	SHIKOKU	JPN	-	JPN
22813	105947	PI 383968	H. vulg.	GSLK 040028	JPN	-	JPN
22814	105948	PI 383969	H. vulg.	GSLK 020022	JPN	-	JPN
22815	105949	PI 383971	H. vulg.	GSLK 040150	JPN	-	JPN
22816	105950	PI 383972	H. vulg.	GSLK 090008	JPN	-	JPN
22817	105951	PI 383973	H. vulg.	GSLK 040003	JPN	-	JPN
22818	105952	PI 383974	H. vulg.	GSLK 080057	JPN	-	JPN
22819	105953	PI 383975	H. vulg.	GSLK 060025	JPN	-	JPN
22820	105954	PI 383976	H. vulg.	GSLK 060039	JPN	-	JPN
22821	105955	PI 383977	H. vulg.	GSLK 040147	JPN	-	JPN
22822	105956	PI 383978	H. vulg.	SHIKOKU	JPN	-	JPN
22823	105957	PI 383979	H. vulg.	GSLK 090060	JPN	-	JPN
22824	105958	PI 383980	H. vulg.	GSLK 080056	JPN	-	JPN
22825	105959	PI 383981	H. vulg.	GSLK 040048	JPN	-	JPN
22826	105960	PI 383982	H. vulg.	SHIKOKU	JPN	-	JPN
22827	105961	PI 383983	H. vulg.	GSLK 040064	JPN	-	JPN
22828	105962	PI 383984	H. vulg.	GSLK 050014	JPN	-	JPN
22829	105963	PI 383985	H. vulg.	GSLK 030085	JPN	-	JPN
22830	105964	PI 384454	H. vulg.	-	SUN	Krasnodar	SUN
22831	105965	PI 384455	H. vulg.	-	SUN	Krasnodar	SUN
22832	105966	PI 384456	H. vulg.	-	SUN	Krasnodar	SUN
22833	105967	PI 384457	H. vulg.	-	SUN	Krasnodar	SUN
22834	105968	PI 384458	H. vulg.	-	SUN	Krasnodar	SUN
22835	105969	PI 384459	H. vulg.	-	SUN	Krasnodar	SUN
22836	105970	PI 384460	H. vulg.	-	SUN	Krasnodar	SUN
22837	105971	PI 384461	H. vulg.	-	SUN	Krasnodar	SUN
22838	105972	PI 384462	H. vulg.	-	SUN	Krasnodar	SUN
22839	105973	PI 384463	H. vulg.	-	SUN	Krasnodar	SUN
22840	105974	PI 384464	H. vulg.	-	SUN	Krasnodar	SUN
22841	105975	PI 384985	H. dist.	-	DNK	-	DNK
22842	105976	PI 384986	H. dist.	-	DNK	-	DNK
22843	105977	PI 384987	H. dist.	-	DNK	-	DNK
22844	105978	PI 384988	H. dist.	-	DNK	-	DNK
22845	105979	PI 386009	H. vulg.	-	UNK	-	JPN
22846	105980	PI 386351	H. def.	IAR\B 29	ETH	Shoa	ETH
22847	105981	PI 386352	H. def.	IAR\B 40	ETH	Begemdir	ETH
22848	105982	PI 386353	H. def.	IAR\B 44	ETH	Begemdir	ETH
22849	105983	PI 386354	H. def.	IAR\B 45	ETH	Begemdir	ETH
22850	105984	PI 386355	H. def.	IAR\B 53\1	ETH	Begemdir	ETH
22851	105985	PI 386356	H. def.	IAR\B 53\2	ETH	Begemdir	ETH
22852	105986	PI 386357	H. def.	IAR\B 53\3	ETH	Begemdir	ETH
22853	105987	PI 386358	H. def.	IAR\B 53\4	ETH	Begemdir	ETH
22854	105988	PI 386359	H. def.	IAR\B 54	ETH	Begemdir	ETH
22855	105989	PI 386360	H. def.	IAR\B 55	ETH	Begemdir	ETH
22856	105990	PI 386361	H. def.	IAR\B 58	ETH	Tigre	ETH
22857	105991	PI 386362	H. def.	IAR\B 59	ETH	-	ETH
22858	105992	PI 386363	H. def.	IAR\B 60	ETH	Tigre	ETH
22859	105993	PI 386364	H. def.	IAR\B 61	ETH	Tigre	ETH
22860	105994	PI 386365	H. def.	IAR\B 62\1	ETH	Tigre	ETH
22861	105995	PI 386366	H. def.	IAR\B 62\2	ETH	Tigre	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
22862	105996	PI 386367	H. def.	IAR\B 63\1	ETH	Tigre	ETH
22863	105997	PI 386368	H. def.	IAR\B 63\2	ETH	Tigre	ETH
22864	105998	PI 386369	H. def.	IAR\B 73	ETH	Tigre	ETH
22865	105999	PI 386370	H. def.	IAR\B 88	ETH	Shoa	ETH
22866	106000	PI 386371	H. def.	IAR\B 89	ETH	Shoa	ETH
22867	106001	PI 386372	H. def.	IAR\B 90	ETH	Shoa	ETH
22868	106002	PI 386373	H. def.	IAR\B 91\1	ETH	Shoa	ETH
22869	106003	PI 386374	H. def.	IAR\B 91\2	ETH	Shoa	ETH
22870	106004	PI 386375	H. def.	IAR\B 91\3	ETH	Shoa	ETH
22871	106005	PI 386376	H. def.	IAR\B 115\2	ETH	Shoa	ETH
22872	106006	PI 386377	H. def.	IAR\B 115\3	ETH	Shoa	ETH
22873	106007	PI 386378	H. def.	IAR\B 124\3	ETH	Keffa	ETH
22874	106008	PI 386379	H. def.	IAR\B 125\2	ETH	Keffa	ETH
22875	106009	PI 386380	H. def.	IAR\B 129\2	ETH	Keffa	ETH
22876	106010	PI 386381	H. def.	IAR\B 130	ETH	Keffa	ETH
22877	106011	PI 386382	H. def.	IAR\B 131\1	ETH	Wollega	ETH
22878	106012	PI 386383	H. def.	IAR\B 131\2	ETH	Wollega	ETH
22879	106013	PI 386384	H. def.	IAR\B 132	ETH	Wollega	ETH
22880	106014	PI 386385	H. def.	IAR\B 133	ETH	Wollega	ETH
22881	106015	PI 386386	H. def.	IAR\B 134	ETH	Wollega	ETH
22882	106016	PI 386387	H. def.	IAR\B 135\1	ETH	Shoa	ETH
22883	106017	PI 386388	H. def.	IAR\B 135\2	ETH	Shoa	ETH
22884	106018	PI 386389	H. def.	IAR\B 135\3	ETH	Shoa	ETH
22885	106019	PI 386390	H. def.	IAR\B 136\1	ETH	Shoa	ETH
22886	106020	PI 386391	H. def.	IAR\B 136\2	ETH	Shoa	ETH
22887	106021	PI 386392	H. def.	IAR\B 136\3	ETH	Shoa	ETH
22888	106022	PI 386393	H. def.	IAR\B 141	ETH	Arussi	ETH
22889	106023	PI 386394	H. def.	IAR\B 147\1	ETH	Arussi	ETH
22890	106024	PI 386395	H. def.	IAR\B 204\2	ETH	Arussi	ETH
22891	106025	PI 386396	H. def.	IAR\B 206\1	ETH	Arussi	ETH
22892	106026	PI 386397	H. def.	IAR\B 214\1	ETH	Arussi	ETH
22893	106027	PI 386398	H. def.	IAR\B 214\2	ETH	Arussi	ETH
22894	106028	PI 386399	H. def.	IAR\B 220	ETH	Arussi	ETH
22895	106029	PI 386400	H. def.	IAR\B 244\1	ETH	Begemdir	ETH
22896	106030	PI 386401	H. def.	IAR\B 246\1	ETH	Begemdir	ETH
22897	106031	PI 386402	H. def.	IAR\B 247	ETH	Begemdir	ETH
22898	106032	PI 386403	H. def.	IAR\B 248\1	ETH	Begemdir	ETH
22899	106033	PI 386404	H. def.	IAR\B 248\2	ETH	Begemdir	ETH
22900	106034	PI 386405	H. def.	IAR\B 251	ETH	Eritera	ETH
22901	106035	PI 386406	H. def.	IAR\B 252	ETH	Eritera	ETH
22902	106036	PI 386407	H. def.	IAR\B 253	ETH	Eritera	ETH
22903	106037	PI 386408	H. def.	IAR\B 254	ETH	Gojam	ETH
22904	106038	PI 386409	H. def.	IAR\B 259	ETH	Gojam	ETH
22905	106039	PI 386410	H. def.	IAR\B 261	ETH	Hararge	ETH
22906	106040	PI 386411	H. def.	IAR\B 265	ETH	Hararge	ETH
22907	106041	PI 386412	H. def.	IAR\B 266	ETH	Hararge	ETH
22908	106042	PI 386413	H. def.	IAR\B 267	ETH	Hararge	ETH
22909	106043	PI 386414	H. def.	IAR\B 268	ETH	Hararge	ETH
22910	106044	PI 386415	H. def.	IAR\B 272	ETH	Illubabor	ETH
22911	106045	PI 386416	H. def.	IAR\B 273	ETH	Illubabor	ETH
22912	106046	PI 386417	H. def.	IAR\B 274\1	ETH	Illubabor	ETH
22913	106047	PI 386418	H. def.	IAR\B 274\2	ETH	Illubabor	ETH
22914	106048	PI 386419	H. def.	IAR\B 275	ETH	Illubabor	ETH
22915	106049	PI 386420	H. def.	IAR\B 277	ETH	Keffa	ETH
22916	106050	PI 386421	H. def.	IAR\B 278\3	ETH	Keffa	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
22917	106051	PI 386422	H. def.	IAR\B 284\1	ETH	Keffa	ETH
22918	106052	PI 386423	H. def.	IAR\B 286\3	ETH	Keffa	ETH
22919	106053	PI 386424	H. def.	IAR\B 286\4	ETH	Keffa	ETH
22920	106054	PI 386425	H. def.	IAR\B 288\2	ETH	Keffa	ETH
22921	106055	PI 386426	H. def.	IAR\B 294\1	ETH	Keffa	ETH
22922	106056	PI 386427	H. def.	IAR\B 294\2	ETH	Keffa	ETH
22923	106057	PI 386428	H. def.	IAR\B 295\2	ETH	Keffa	ETH
22924	106058	PI 386429	H. def.	IAR\B 298	ETH	Keffa	ETH
22925	106059	PI 386430	H. def.	IAR\B 319	ETH	Shoa	ETH
22926	106060	PI 386431	H. def.	IAR\B 323	ETH	Shoa	ETH
22927	106061	PI 386432	H. def.	IAR\B 325\2	ETH	Shoa	ETH
22928	106062	PI 386433	H. def.	IAR\B 334\1	ETH	Shoa	ETH
22929	106063	PI 386434	H. def.	IAR\B 335\1	ETH	Shoa	ETH
22930	106064	PI 386435	H. def.	IAR\B 341\1	ETH	Shoa	ETH
22931	106065	PI 386436	H. def.	IAR\B 341\2	ETH	Shoa	ETH
22932	106066	PI 386437	H. def.	IAR\B 342\3	ETH	Shoa	ETH
22933	106067	PI 386438	H. def.	IAR\B 349\2	ETH	Shoa	ETH
22934	106068	PI 386439	H. def.	IAR\B 358\1	ETH	Shoa	ETH
22935	106069	PI 386440	H. def.	IAR\B 360\3	ETH	Shoa	ETH
22936	106070	PI 386441	H. def.	IAR\B 362	ETH	Shoa	ETH
22937	106071	PI 386442	H. def.	IAR\B 371	ETH	Shoa	ETH
22938	106072	PI 386443	H. def.	IAR\B 380	ETH	Shoa	ETH
22939	106073	PI 386444	H. def.	IAR\B 383	ETH	Shoa	ETH
22940	106074	PI 386445	H. def.	IAR\B 385	ETH	-	ETH
22941	106075	PI 386446	H. def.	IAR\B 386	ETH	Shoa	ETH
22942	106076	PI 386447	H. def.	IAR\B 387\2	ETH	-	ETH
22943	106077	PI 386448	H. def.	IAR\B 393\2	ETH	Shoa	ETH
22944	106078	PI 386449	H. def.	IAR\B 393\3	ETH	Shoa	ETH
22945	106079	PI 386450	H. def.	IAR\B 395\3	ETH	Shoa	ETH
22946	106080	PI 386451	H. def.	IAR\B 396\1	ETH	-	ETH
22947	106081	PI 386452	H. def.	IAR\B 396\2	ETH	-	ETH
22948	106082	PI 386453	H. def.	IAR\B 398\2	ETH	Shoa	ETH
22949	106083	PI 386454	H. def.	IAR\B 399	ETH	Shoa	ETH
22950	106084	PI 386455	H. def.	IAR\B 407\2	ETH	Shoa	ETH
22951	106085	PI 386456	H. def.	IAR\B 410\2	ETH	Shoa	ETH
22952	106086	PI 386457	H. def.	IAR\B 411\1	ETH	Shoa	ETH
22953	106087	PI 386459	H. def.	IAR\B 429\1	ETH	Sidamo	ETH
22954	106088	PI 386460	H. def.	IAR\B 430\1	ETH	Sidamo	ETH
22955	106089	PI 386461	H. def.	IAR\B 430\2	ETH	Sidamo	ETH
22956	106090	PI 386462	H. def.	IAR\B 434	ETH	Tigre	ETH
22957	106091	PI 386463	H. def.	IAR\B 441	ETH	Tigre	ETH
22958	106092	PI 386464	H. def.	IAR\B 442	ETH	Tigre	ETH
22959	106093	PI 386465	H. def.	IAR\B 433\1	ETH	Tigre	ETH
22960	106094	PI 386466	H. def.	IAR\B 443\2	ETH	Tigre	ETH
22961	106095	PI 386467	H. def.	IAR\B 444\1	ETH	Tigre	ETH
22962	106096	PI 386468	H. def.	IAR\B 444\2	ETH	Tigre	ETH
22963	106097	PI 386469	H. def.	IAR\B 445\1	ETH	Tigre	ETH
22964	106098	PI 386470	H. def.	IAR\B 445\2	ETH	Tigre	ETH
22965	106099	PI 386471	H. def.	IAR\B 446	ETH	Tigre	ETH
22966	106100	PI 386472	H. def.	IAR\B 447	ETH	Tigre	ETH
22967	106101	PI 386473	H. def.	IAR\B 448	ETH	Tigre	ETH
22968	106102	PI 386474	H. def.	IAR\B 451	ETH	Tigre	ETH
22969	106103	PI 386475	H. def.	IAR\B 452	ETH	Tigre	ETH
22970	106104	PI 386476	H. def.	IAR\B 453	ETH	Tigre	ETH
22971	106105	PI 386477	H. def.	IAR\B 454	ETH	Tigre	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
22972	106106	PI 386478	H. def.	IAR\B 455	ETH	Tigre	ETH
22973	106107	PI 386479	H. def.	IAR\B 456	ETH	Wollo	ETH
22974	106108	PI 386480	H. def.	IAR\B 457\1	ETH	Wollo	ETH
22975	106109	PI 386481	H. def.	IAR\B 458\1	ETH	Wollo	ETH
22976	106110	PI 386482	H. def.	IAR\B 458\2	ETH	Wollo	ETH
22977	106111	PI 386483	H. def.	IAR\B 459	ETH	Wollo	ETH
22978	106112	PI 386484	H. def.	IAR\B 460\1	ETH	Wollo	ETH
22979	106113	PI 386485	H. def.	IAR\B 460\2	ETH	Wollo	ETH
22980	106114	PI 386486	H. def.	IAR\B 461	ETH	Wollo	ETH
22981	106115	PI 386487	H. def.	IAR\B 462	ETH	Wollo	ETH
22982	106116	PI 386488	H. def.	IAR\B 463\4	ETH	Begemdir	ETH
22983	106117	PI 386489	H. def.	IAR\B 464	ETH	Begemdir	ETH
22984	106118	PI 386490	H. def.	IAR\B 468	ETH	Begemdir	ETH
22985	106119	PI 386491	H. def.	IAR\B 469	ETH	Begemdir	ETH
22986	106120	PI 386492	H. def.	IAR\B 470	ETH	Begemdir	ETH
22987	106121	PI 386493	H. def.	IAR\B 480	ETH	Shoa	ETH
22988	106122	PI 386494	H. def.	IAR\B 481	ETH	Shoa	ETH
22989	106123	PI 386495	H. def.	IAR\B 483	ETH	Shoa	ETH
22990	106124	PI 386496	H. def.	IAR\B 490\2	ETH	Shoa	ETH
22991	106125	PI 386497	H. def.	IAR\B 493	ETH	Tigre	ETH
22992	106126	PI 386499	H. def.	IAR\B 502\2	ETH	Tigre	ETH
22993	106127	PI 386500	H. def.	IAR\B 505\2	ETH	Tigre	ETH
22994	106128	PI 386502	H. def.	IAR\B 509	ETH	-	ETH
22995	106129	PI 386504	H. def.	IAR\B 512	ETH	Shoa	ETH
22996	106130	PI 386505	H. def.	IAR\B 513	ETH	Gojam	ETH
22997	106131	PI 386506	H. def.	IAR\B 524\3	ETH	Shoa	ETH
22998	106132	PI 386507	H. def.	IAR\B 526	ETH	Gojam	ETH
22999	106133	PI 386508	H. def.	IAR\B 527\1	ETH	Shoa	ETH
23000	106134	PI 386509	H. dist.	IAR\B 28\2	ETH	-	ETH
23001	106135	PI 386510	H. dist.	IAR\B 65\1	ETH	-	ETH
23002	106136	PI 386512	H. dist.	IAR\B 67	ETH	Tigre	ETH
23003	106137	PI 386513	H. dist.	IAR\B 112\1	ETH	Sidamo	ETH
23004	106138	PI 386514	H. dist.	IAR\B 148\3	ETH	Arussi	ETH
23005	106139	PI 386515	H. dist.	IAR\B 183\2	ETH	Arussi	ETH
23006	106140	PI 386517	H. dist.	IAR\B 305\1	ETH	Keffa	ETH
23007	106141	PI 386518	H. dist.	IAR\B 305\2	ETH	Keffa	ETH
23008	106142	PI 386519	H. dist.	IAR\B 312\3	ETH	-	ETH
23009	106143	PI 386521	H. dist.	IAR\B 414\3	ETH	Shoa	ETH
23010	106144	PI 386522	H. dist.	IAR\B 429\2	ETH	Sidamo	ETH
23011	106145	PI 386524	H. dist.	IAR\B 431	ETH	Sidamo	ETH
23012	106146	PI 386528	H. irreg.	IAR\B 1\1	ETH	Shoa	ETH
23013	106147	PI 386529	H. irreg.	IAR\B 1\2	ETH	Shoa	ETH
23014	106148	PI 386534	H. irreg.	IAR\B 5	ETH	Shoa	ETH
23015	106149	PI 386535	H. irreg.	IAR\B 6	ETH	Hararge	ETH
23016	106150	PI 386536	H. irreg.	IAR\B 7\1	ETH	Hararge	ETH
23017	106151	PI 386540	H. irreg.	IAR\B 10	ETH	Hararge	ETH
23018	106152	PI 386543	H. irreg.	IAR\B 13	ETH	Hararge	ETH
23019	106153	PI 386544	H. irreg.	IAR\B 14	ETH	Hararge	ETH
23020	106154	PI 386545	H. irreg.	IAR\B 15	ETH	Hararge	ETH
23021	106155	PI 386547	H. irreg.	IAR\B 17	ETH	Hararge	ETH
23022	106156	PI 386548	H. irreg.	IAR\B 18	ETH	Hararge	ETH
23023	106157	PI 386550	H. irreg.	IAR\B 20\1	ETH	Shoa	ETH
23024	106158	PI 386551	H. irreg.	IAR\B 20\3	ETH	Shoa	ETH
23025	106159	PI 386555	H. irreg.	IAR\B 24	ETH	Tabia	ETH
23026	106160	PI 386556	H. irreg.	IAR\B 26	ETH	Gojam	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
23027	106161	PI 386557	H. irreg.	IAR\B 28\1	ETH	-	ETH
23028	106162	PI 386560	H. irreg.	IAR\B 38\2	ETH	Begemdir	ETH
23029	106163	PI 386561	H. irreg.	IAR\B 39	ETH	Begemdir	ETH
23030	106164	PI 386562	H. irreg.	IAR\B 41	ETH	Begemdir	ETH
23031	106165	PI 386563	H. irreg.	IAR\B 42	ETH	Begemdir	ETH
23032	106166	PI 386564	H. irreg.	IAR\B 43	ETH	Begemdir	ETH
23033	106167	PI 386565	H. irreg.	IAR\B 50	ETH	Begemdir	ETH
23034	106168	PI 386567	H. irreg.	IAR\B 52	ETH	Begemdir	ETH
23035	106169	PI 386568	H. irreg.	IAR\B 64\2	ETH	Tigre	ETH
23036	106170	PI 386569	H. irreg.	IAR\B 65\2	ETH	-	ETH
23037	106171	PI 386570	H. irreg.	IAR\B 66	ETH	-	ETH
23038	106172	PI 386571	H. irreg.	IAR\B 83	ETH	Beriu	ETH
23039	106173	PI 386572	H. irreg.	IAR\B 84\2	ETH	Kombo-Ayer	ETH
23040	106174	PI 386573	H. irreg.	IAR\B 84\3	ETH	Kombo-Ayer	ETH
23041	106175	PI 386575	H. irreg.	IAR\B 94\2	ETH	Shoa	ETH
23042	106176	PI 386576	H. irreg.	IAR\B 95	ETH	Begemdir	ETH
23043	106177	PI 386577	H. irreg.	IAR\B 96	ETH	Begemdir	ETH
23044	106178	PI 386578	H. irreg.	IAR\B 98\1	ETH	Gomu Gofa	ETH
23045	106179	PI 386579	H. irreg.	IAR\B 98\2	ETH	Gomu Gofa	ETH
23046	106180	PI 386580	H. irreg.	IAR\B 99\1	ETH	Gomu Gofa	ETH
23047	106181	PI 386581	H. irreg.	IAR\B 99\2	ETH	Gomu Gofa	ETH
23048	106182	PI 386582	H. irreg.	IAR\B 105	ETH	Sidamo	ETH
23049	106183	PI 386583	H. irreg.	IAR\B 106	ETH	Sidamo	ETH
23050	106184	PI 386584	H. irreg.	IAR\B 107	ETH	Sidamo	ETH
23051	106185	PI 386585	H. irreg.	IAR\B 108	ETH	Sidamo	ETH
23052	106186	PI 386586	H. irreg.	IAR\B 109	ETH	Sidamo	ETH
23053	106187	PI 386587	H. irreg.	IAR\B 124\2	ETH	Keffa	ETH
23054	106188	PI 386588	H. irreg.	IAR\B 125\1	ETH	Keffa	ETH
23055	106189	PI 386589	H. irreg.	IAR\B 126\1	ETH	Keffa	ETH
23056	106190	PI 386591	H. irreg.	IAR\B 127\1	ETH	Keffa	ETH
23057	106191	PI 386592	H. irreg.	IAR\B 127\2	ETH	Keffa	ETH
23058	106192	PI 386593	H. irreg.	IAR\B 128	ETH	Keffa	ETH
23059	106193	PI 386594	H. irreg.	IAR\B 129\1	ETH	Keffa	ETH
23060	106194	PI 386595	H. irreg.	IAR\B 137	ETH	Shoa	ETH
23061	106195	PI 386596	H. irreg.	IAR\B 138\1	ETH	Arussi	ETH
23062	106196	PI 386597	H. irreg.	IAR\B 138\2	ETH	Arussi	ETH
23063	106197	PI 386599	H. irreg.	IAR\B 150	ETH	Arussi	ETH
23064	106198	PI 386601	H. irreg.	IAR\B 155\2	ETH	Arussi	ETH
23065	106199	PI 386602	H. irreg.	IAR\B 155\3	ETH	Arussi	ETH
23066	106200	PI 386604	H. irreg.	IAR\B 156	ETH	Arussi	ETH
23067	106201	PI 386605	H. irreg.	IAR\B 157	ETH	Arussi	ETH
23068	106202	PI 386607	H. irreg.	IAR\B 160\1	ETH	Arussi	ETH
23069	106203	PI 386608	H. irreg.	IAR\B 160\2	ETH	Arussi	ETH
23070	106204	PI 386609	H. irreg.	IAR\B 161\1	ETH	Arussi	ETH
23071	106205	PI 386610	H. irreg.	IAR\B 165	ETH	Arussi	ETH
23072	106206	PI 386611	H. irreg.	IAR\B 168\1	ETH	Arussi	ETH
23073	106207	PI 386612	H. irreg.	IAR\B 168\2	ETH	Arussi	ETH
23074	106208	PI 386613	H. irreg.	IAR\B 169	ETH	Arussi	ETH
23075	106209	PI 386614	H. irreg.	IAR\B 180	ETH	Arussi	ETH
23076	106210	PI 386615	H. irreg.	IAR\B 181	ETH	Arussi	ETH
23077	106211	PI 386616	H. irreg.	IAR\B 183\1	ETH	Arussi	ETH
23078	106212	PI 386618	H. irreg.	IAR\B 186\3	ETH	Arussi	ETH
23079	106213	PI 386619	H. irreg.	IAR\B 187\1	ETH	Arussi	ETH
23080	106214	PI 386620	H. irreg.	IAR\B 188	ETH	Arussi	ETH
23081	106215	PI 386621	H. irreg.	IAR\B 193\1	ETH	Arussi	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
23082	106216	PI 386622	H. irreg.	IAR\B 193\2	ETH	Arussi	ETH
23083	106217	PI 386623	H. irreg.	IAR\B 196	ETH	Arussi	ETH
23084	106218	PI 386624	H. irreg.	IAR\B 197	ETH	Arussi	ETH
23085	106219	PI 386625	H. irreg.	IAR\B 198\2	ETH	Arussi	ETH
23086	106220	PI 386626	H. irreg.	IAR\B 199\1	ETH	Arussi	ETH
23087	106221	PI 386628	H. irreg.	IAR\B 205\3	ETH	Arussi	ETH
23088	106222	PI 386629	H. irreg.	IAR\B 205\4	ETH	Arussi	ETH
23089	106223	PI 386630	H. irreg.	IAR\B 206\2	ETH	Arussi	ETH
23090	106224	PI 386631	H. irreg.	IAR\B 207\1	ETH	Arussi	ETH
23091	106225	PI 386632	H. irreg.	IAR\B 211\2	ETH	Arussi	ETH
23092	106226	PI 386633	H. irreg.	IAR\B 212\2	ETH	Arussi	ETH
23093	106227	PI 386634	H. irreg.	IAR\B 215\2	ETH	Arussi	ETH
23094	106228	PI 386635	H. irreg.	IAR\B 221	ETH	-	ETH
23095	106229	PI 386639	H. irreg.	IAR\B 229\2	ETH	-	ETH
23096	106230	PI 386640	H. irreg.	IAR\B 230	ETH	Begemdir	ETH
23097	106231	PI 386641	H. irreg.	IAR\B 231	ETH	Begemdir	ETH
23098	106232	PI 386642	H. irreg.	IAR\B 232\1	ETH	Begemdir	ETH
23099	106233	PI 386643	H. irreg.	IAR\B 232\2	ETH	Begemdir	ETH
23100	106234	PI 386644	H. irreg.	IAR\B 233	ETH	Begemdir	ETH
23101	106235	PI 386645	H. irreg.	IAR\B 234	ETH	Begemdir	ETH
23102	106236	PI 386646	H. irreg.	IAR\B 235	ETH	Begemdir	ETH
23103	106237	PI 386649	H. irreg.	IAR\B 238\2	ETH	Begemdir	ETH
23104	106238	PI 386651	H. irreg.	IAR\B 239\2	ETH	Begemdir	ETH
23105	106239	PI 386652	H. irreg.	IAR\B 242\2	ETH	Begemdir	ETH
23106	106240	PI 386653	H. irreg.	IAR\B 243	ETH	Begemdir	ETH
23107	106241	PI 386654	H. irreg.	IAR\B 245	ETH	Begemdir	ETH
23108	106242	PI 386655	H. irreg.	IAR\B 246\2	ETH	Begemdir	ETH
23109	106243	PI 386656	H. irreg.	IAR\B 246\4	ETH	Begemdir	ETH
23110	106244	PI 386657	H. irreg.	IAR\B 255	ETH	Gojam	ETH
23111	106245	PI 386660	H. irreg.	IAR\B 257\2	ETH	Gojam	ETH
23112	106246	PI 386662	H. irreg.	IAR\B 258	ETH	Gojam	ETH
23113	106247	PI 386663	H. irreg.	IAR\B 260	ETH	Gojam	ETH
23114	106248	PI 386664	H. irreg.	IAR\B 269	ETH	Hararge	ETH
23115	106249	PI 386665	H. irreg.	IAR\B 270	ETH	Illubabor	ETH
23116	106250	PI 386666	H. irreg.	IAR\B 271	ETH	Illubabor	ETH
23117	106251	PI 386667	H. irreg.	IAR\B 280\3	ETH	Keffa	ETH
23118	106252	PI 386668	H. irreg.	IAR\B 281\1	ETH	Keffa	ETH
23119	106253	PI 386669	H. irreg.	IAR\B 281\2	ETH	Keffa	ETH
23120	106254	PI 386671	H. irreg.	IAR\B 282\2	ETH	Keffa	ETH
23121	106255	PI 386673	H. irreg.	IAR\B 289\2	ETH	Keffa	ETH
23122	106256	PI 386674	H. irreg.	IAR\B 289\4	ETH	Keffa	ETH
23123	106257	PI 386675	H. irreg.	-	ETH	-	ETH
23124	106258	PI 386676	H. irreg.	IAR\B 291\2	ETH	Keffa	ETH
23125	106259	PI 386678	H. irreg.	IAR\B 295\3	ETH	Keffa	ETH
23126	106260	PI 386679	H. irreg.	IAR\B 297\3	ETH	Keffa	ETH
23127	106261	PI 386681	H. irreg.	IAR\B 299\2	ETH	Keffa	ETH
23128	106262	PI 386682	H. irreg.	IAR\B 299\3	ETH	Keffa	ETH
23129	106263	PI 386684	H. irreg.	IAR\B 300\2	ETH	Keffa	ETH
23130	106264	PI 386685	H. irreg.	IAR\B 304\4	ETH	Keffa	ETH
23131	106265	PI 386687	H. irreg.	IAR\B 307\1	ETH	Shoa	ETH
23132	106266	PI 386688	H. irreg.	IAR\B 310\1	ETH	Shoa	ETH
23133	106267	PI 386689	H. irreg.	IAR\B 310\2	ETH	Shoa	ETH
23134	106268	PI 386690	H. irreg.	IAR\B 313\3	ETH	Shoa	ETH
23135	106269	PI 386692	H. irreg.	IAR\B 317\1	ETH	Shoa	ETH
23136	106270	PI 386693	H. irreg.	IAR\B 317\2	ETH	Shoa	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
23137	106271	PI 386695	H. irreg.	IAR\B 318\2	ETH	Shoa	ETH
23138	106272	PI 386696	H. irreg.	IAR\B 320\2	ETH	Shoa	ETH
23139	106273	PI 386697	H. irreg.	IAR\B 320\3	ETH	Shoa	ETH
23140	106274	PI 386698	H. irreg.	IAR\B 322\1	ETH	Shoa	ETH
23141	106275	PI 386699	H. irreg.	IAR\B 322\2	ETH	Shoa	ETH
23142	106276	PI 386700	H. irreg.	IAR\B 325\3	ETH	Shoa	ETH
23143	106277	PI 386701	H. irreg.	IAR\B 328\1	ETH	Shoa	ETH
23144	106278	PI 386702	H. irreg.	IAR\B 328\2	ETH	Shoa	ETH
23145	106279	PI 386703	H. irreg.	IAR\B 334\2	ETH	Shoa	ETH
23146	106280	PI 386704	H. irreg.	IAR\B 337\1	ETH	Shoa	ETH
23147	106281	PI 386705	H. irreg.	IAR\B 337\2	ETH	Shoa	ETH
23148	106282	PI 386707	H. irreg.	IAR\B 345\1	ETH	Shoa	ETH
23149	106283	PI 386709	H. irreg.	IAR\B 351\1	ETH	Shoa	ETH
23150	106284	PI 386710	H. irreg.	IAR\B 353\1	ETH	Shoa	ETH
23151	106285	PI 386711	H. irreg.	IAR\B 353\2	ETH	Shoa	ETH
23152	106286	PI 386712	H. irreg.	IAR\B 353\3	ETH	Shoa	ETH
23153	106287	PI 386713	H. irreg.	IAR\B 353\4	ETH	Shoa	ETH
23154	106288	PI 386714	H. irreg.	IAR\B 354\1	ETH	Shoa	ETH
23155	106289	PI 386715	H. irreg.	IAR\B 354\2	ETH	Shoa	ETH
23156	106290	PI 386716	H. irreg.	IAR\B 355	ETH	-	ETH
23157	106291	PI 386717	H. irreg.	IAR\B 356\1	ETH	Shoa	ETH
23158	106292	PI 386719	H. irreg.	IAR\B 357\2	ETH	Shoa	ETH
23159	106293	PI 386721	H. irreg.	IAR\B 359\2	ETH	Shoa	ETH
23160	106294	PI 386722	H. irreg.	IAR\B 361\1	ETH	-	ETH
23161	106295	PI 386724	H. irreg.	IAR\B 361\3	ETH	-	ETH
23162	106296	PI 386725	H. irreg.	IAR\B 363\2	ETH	Shoa	ETH
23163	106297	PI 386727	H. irreg.	IAR\B 364\2	ETH	-	ETH
23164	106298	PI 386728	H. irreg.	IAR\B 364\3	ETH	-	ETH
23165	106299	PI 386729	H. irreg.	IAR\B 365\1	ETH	-	ETH
23166	106300	PI 386730	H. irreg.	IAR\B 365\2	ETH	-	ETH
23167	106301	PI 386731	H. irreg.	IAR\B 366\1	ETH	-	ETH
23168	106302	PI 386736	H. irreg.	IAR\B 372\2	ETH	Shoa	ETH
23169	106303	PI 386738	H. irreg.	IAR\B 375\2	ETH	Shoa	ETH
23170	106304	PI 386739	H. irreg.	IAR\B 375\3	ETH	Shoa	ETH
23171	106305	PI 386740	H. irreg.	IAR\B 376	ETH	Shoa	ETH
23172	106306	PI 386741	H. irreg.	IAR\B 377	ETH	Shoa	ETH
23173	106307	PI 386742	H. irreg.	IAR\B 378\1	ETH	Shoa	ETH
23174	106308	PI 386743	H. irreg.	IAR\B 378\2	ETH	Shoa	ETH
23175	106309	PI 386744	H. irreg.	IAR\B 381	ETH	Shoa	ETH
23176	106310	PI 386745	H. irreg.	IAR\B 384\2	ETH	Shoa	ETH
23177	106311	PI 386746	H. irreg.	IAR\B 389\2	ETH	-	ETH
23178	106312	PI 386747	H. irreg.	IAR\B 389\3	ETH	-	ETH
23179	106313	PI 386748	H. irreg.	IAR\B 390\1	ETH	Shoa	ETH
23180	106314	PI 386749	H. irreg.	IAR\B 390\2	ETH	Shoa	ETH
23182	106315	PI 386750	H. irreg.	IAR\B 390\3	ETH	Shoa	ETH
23183	106316	PI 386751	H. irreg.	IAR\B 391\1	ETH	Shoa	ETH
23184	106317	PI 386752	H. irreg.	IAR\B 391\2	ETH	Shoa	ETH
23185	106318	PI 386754	H. irreg.	IAR\B 393\1	ETH	Shoa	ETH
23186	106319	PI 386755	H. irreg.	IAR\B 394\1	ETH	-	ETH
23187	106320	PI 386756	H. irreg.	IAR\B 394\2	ETH	-	ETH
23188	106321	PI 386757	H. irreg.	IAR\B 395\2	ETH	Shoa	ETH
23189	106322	PI 386758	H. irreg.	IAR\B 398\1	ETH	Shoa	ETH
23190	106323	PI 386759	H. irreg.	IAR\B 400	ETH	-	ETH
23191	106324	PI 386760	H. irreg.	IAR\B 401\1	ETH	-	ETH
23192	106325	PI 386761	H. irreg.	IAR\B 401\2	ETH	-	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
23193	106326	PI 386762	H. irreg.	IAR\B 402	ETH	-	ETH
23194	106327	PI 386763	H. irreg.	IAR\B 403	ETH	Shoa	ETH
23195	106328	PI 386764	H. irreg.	IAR\B 404	ETH	-	ETH
23196	106329	PI 386765	H. irreg.	IAR\B 405\1	ETH	-	ETH
23197	106330	PI 386766	H. irreg.	IAR\B 405\2	ETH	-	ETH
23198	106331	PI 386767	H. irreg.	IAR\B 405\3	ETH	-	ETH
23199	106332	PI 386768	H. irreg.	IAR\B 406\1	ETH	Shoa	ETH
23200	106333	PI 386769	H. irreg.	IAR\B 406\2	ETH	Shoa	ETH
23201	106334	PI 386770	H. irreg.	IAR\B 406\3	ETH	Shoa	ETH
23202	106335	PI 386771	H. irreg.	IAR\B 407\1	ETH	Shoa	ETH
23203	106336	PI 386772	H. irreg.	IAR\B 407\3	ETH	Shoa	ETH
23204	106337	PI 386773	H. irreg.	IAR\B 407\4	ETH	Shoa	ETH
23205	106338	PI 386775	H. irreg.	IAR\B 408\2	ETH	Shoa	ETH
23206	106339	PI 386776	H. irreg.	IAR\B 408\3	ETH	Shoa	ETH
23207	106340	PI 386779	H. irreg.	IAR\B 411\3	ETH	Shoa	ETH
23208	106341	PI 386780	H. irreg.	IAR\B 412\3	ETH	Shoa	ETH
23209	106342	PI 386781	H. irreg.	IAR\B 413	ETH	Shoa	ETH
23210	106343	PI 386782	H. irreg.	IAR\B 415\1	ETH	Shoa	ETH
23211	106344	PI 386783	H. irreg.	IAR\B 417\1	ETH	Shoa	ETH
23212	106345	PI 386784	H. irreg.	IAR\B 417\2	ETH	Shoa	ETH
23213	106346	PI 386786	H. irreg.	IAR\B 419\2	ETH	Shoa	ETH
23214	106347	PI 386787	H. irreg.	IAR\B 420\1	ETH	Shoa	ETH
23215	106348	PI 386788	H. irreg.	IAR\B 420\2	ETH	Shoa	ETH
23216	106349	PI 386789	H. irreg.	IAR\B 421	ETH	Shoa	ETH
23217	106350	PI 386790	H. irreg.	IAR\B 422	ETH	Shoa	ETH
23218	106351	PI 386791	H. irreg.	IAR\B 424	ETH	Shoa	ETH
23219	106352	PI 386793	H. irreg.	IAR\B 436	ETH	Tigre	ETH
23220	106353	PI 386795	H. irreg.	IAR\B 465	ETH	Begemdir	ETH
23221	106354	PI 386796	H. irreg.	IAR\B 466\3	ETH	Begemdir	ETH
23222	106355	PI 386797	H. irreg.	IAR\B 467\1	ETH	Begemdir	ETH
23223	106356	PI 386799	H. irreg.	IAR\B 472\1	ETH	Begemdir	ETH
23224	106357	PI 386800	H. irreg.	IAR\B 472\2	ETH	Begemdir	ETH
23225	106358	PI 386801	H. irreg.	IAR\B 472\3	ETH	Begemdir	ETH
23226	106359	PI 386802	H. irreg.	IAR\B 474	ETH	Shoa	ETH
23227	106360	PI 386803	H. irreg.	IAR\B 475	ETH	Shoa	ETH
23228	106361	PI 386804	H. irreg.	IAR\B 476	ETH	Gojam	ETH
23229	106362	PI 386806	H. irreg.	IAR\B 477\2	ETH	Gojam	ETH
23230	106363	PI 386807	H. irreg.	IAR\B 478	ETH	Shoa	ETH
23231	106364	PI 386808	H. irreg.	IAR\B 479	ETH	Shoa	ETH
23231	106365	PI 386809	H. irreg.	IAR\B 486\1	ETH	Shoa	ETH
23232	106366	PI 386810	H. irreg.	IAR\B 486\2	ETH	Shoa	ETH
23233	106367	PI 386811	H. irreg.	IAR\B 495	ETH	Tigre	ETH
23234	106368	PI 386812	H. irreg.	IAR\B 496	ETH	Tigre	ETH
23235	106369	PI 386813	H. irreg.	IAR\B 503\1	ETH	Tigre	ETH
23236	106370	PI 386814	H. irreg.	IAR\B 503\2	ETH	Tigre	ETH
23237	106371	PI 386815	H. irreg.	IAR\B 504\3	ETH	Tigre	ETH
23238	106372	PI 386816	H. irreg.	IAR\B 505\3	ETH	Tigre	ETH
23239	106373	PI 386817	H. irreg.	IAR\B 506\2	ETH	Tigre	ETH
23240	106374	PI 386818	H. irreg.	IAR\B 507	ETH	Tigre	ETH
23241	106375	PI 386820	H. irreg.	IAR\B 511\2	ETH	Shoa	ETH
23242	106376	PI 386822	H. irreg.	IAR\B 516\2	ETH	Shoa	ETH
23243	106377	PI 386823	H. irreg.	IAR\B 517\1	ETH	Shoa	ETH
23244	106378	PI 386824	H. irreg.	IAR\B 518\1	ETH	Shoa	ETH
23245	106379	PI 386825	H. irreg.	IAR\B 518\3	ETH	Shoa	ETH
23246	106380	PI 386826	H. irreg.	IAR\B 520	ETH	Gojam	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
23247	106381	PI 386827	H. irreg.	IAR\B 521\1	ETH	Shoa	ETH
23248	106382	PI 386828	H. irreg.	IAR\B 525\3	ETH	Wollega	ETH
23249	106383	PI 386830	H. vulg.	IAR\B 25	ETH	Gojam	ETH
23250	106384	PI 386831	H. vulg.	IAR\B 27	ETH	Gojam	ETH
23251	106385	PI 386832	H. vulg.	IAR\B 30	ETH	-	ETH
23252	106386	PI 386835	H. vulg.	IAR\B 33	ETH	Gojam	ETH
23253	106387	PI 386836	H. vulg.	IAR\B 34	ETH	Gojam	ETH
23254	106388	PI 386837	H. vulg.	IAR\B 35	ETH	-	ETH
23255	106389	PI 386838	H. vulg.	IAR\B 38\1	ETH	Begemdir	ETH
23256	106390	PI 386839	H. vulg.	IAR\B 46	ETH	Begemdir	ETH
23257	106391	PI 386840	H. vulg.	IAR\B 47	ETH	Begemdir	ETH
23258	106392	PI 386841	H. vulg.	IAR\B 48	ETH	Begemdir	ETH
23259	106393	PI 386843	H. vulg.	IAR\B 56	ETH	Begemdir	ETH
23260	106394	PI 386844	H. vulg.	IAR\B 57	ETH	Eritrea	ETH
23261	106395	PI 386846	H. vulg.	IAR\B 68	ETH	Tigre	ETH
23262	106396	PI 386848	H. vulg.	IAR\B 69\2	ETH	Tigre	ETH
23263	106397	PI 386849	H. vulg.	IAR\B 70	ETH	Tigre	ETH
23264	106398	PI 386850	H. vulg.	IAR\B 71	ETH	Tigre	ETH
23265	106399	PI 386851	H. vulg.	IAR\B 72	ETH	Tigre	ETH
23266	106400	PI 386852	H. vulg.	IAR\B 74\1	ETH	Tigre	ETH
23267	106401	PI 386855	H. vulg.	IAR\B 76	ETH	Tigre	ETH
23268	106402	PI 386856	H. vulg.	IAR\B 77	ETH	Tigre	ETH
23269	106403	PI 386857	H. vulg.	IAR\B 78	ETH	Wollo	ETH
23270	106404	PI 386858	H. vulg.	IAR\B 79	ETH	Wollo	ETH
23271	106405	PI 386859	H. vulg.	IAR\B 80	ETH	Gojam	ETH
23272	106406	PI 386860	H. vulg.	IAR\B 81	ETH	Gojam	ETH
23273	106407	PI 386861	H. vulg.	IAR\B 82	ETH	Gojam	ETH
23274	106408	PI 386862	H. vulg.	IAR\B 84\1	ETH	Kombo-Ayer	ETH
23275	106409	PI 386863	H. vulg.	IAR\B 85	ETH	Kombo-Ayer	ETH
23276	106410	PI 386864	H. vulg.	IAR\B 86	ETH	Shoa	ETH
23277	106411	PI 386865	H. vulg.	IAR\B 88	ETH	Shoa	ETH
23278	106412	PI 386866	H. vulg.	IAR\B 92	ETH	Shoa	ETH
23279	106413	PI 386867	H. vulg.	IAR\B 93\1	ETH	Shoa	ETH
23280	106414	PI 386868	H. vulg.	IAR\B 93\2	ETH	Shoa	ETH
23281	106415	PI 386874	H. vulg.	IAR\B 101\2	ETH	Gomu Gofa	ETH
23282	106416	PI 386875	H. vulg.	IAR\B 102	ETH	Gomu Gofa	ETH
23283	106417	PI 386876	H. vulg.	IAR\B 103\1	ETH	Sidamo	ETH
23284	106418	PI 386877	H. vulg.	IAR\B 103\2	ETH	Sidamo	ETH
23285	106419	PI 386879	H. vulg.	IAR\B 104\2	ETH	Sidamo	ETH
23286	106420	PI 386880	H. vulg.	IAR\B 104\3	ETH	Sidamo	ETH
23287	106421	PI 386882	H. vulg.	IAR\B 111	ETH	Sidamo	ETH
23288	106422	PI 386883	H. vulg.	IAR\B 112\2	ETH	Sidamo	ETH
23289	106423	PI 386884	H. vulg.	IAR\B 113	ETH	Sidamo	ETH
23290	106424	PI 386885	H. vulg.	IAR\B 114\1	ETH	Sidamo	ETH
23291	106425	PI 386886	H. vulg.	IAR\B 114\2	ETH	Sidamo	ETH
23292	106426	PI 386887	H. vulg.	IAR\B 115\1	ETH	Shoa	ETH
23293	106427	PI 386888	H. vulg.	IAR\B 115\4	ETH	Shoa	ETH
23294	106428	PI 386889	H. vulg.	IAR\B 116	ETH	Arussi	ETH
23295	106429	PI 386890	H. vulg.	IAR\B 117	ETH	Arussi	ETH
23296	106430	PI 386891	H. vulg.	IAR\B 118	ETH	Arussi	ETH
23297	106431	PI 386894	H. vulg.	IAR\B 121\1	ETH	-	ETH
23298	106432	PI 386896	H. vulg.	IAR\B 122	ETH	Arussi	ETH
23299	106433	PI 386897	H. vulg.	IAR\B 123	ETH	Sidamo	ETH
23300	106434	PI 386898	H. vulg.	IAR\B 124\1	ETH	Keffa	ETH
23301	106435	PI 386900	H. vulg.	IAR\B 139\2	ETH	Arussi	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
23302	106436	PI 386903	H. vulg.	IAR\B 143\2	ETH	Arussi	ETH
23303	106437	PI 386905	H. vulg.	IAR\B 144	ETH	Arussi	ETH
23304	106438	PI 386906	H. vulg.	IAR\B 145	ETH	Arussi	ETH
23305	106439	PI 386907	H. vulg.	IAR\B 146	ETH	Arussi	ETH
23306	106440	PI 386908	H. vulg.	IAR\B 147\2	ETH	Arussi	ETH
23307	106441	PI 386909	H. vulg.	IAR\B 147\3	ETH	Arussi	ETH
23308	106442	PI 386910	H. vulg.	IAR\B 148\1	ETH	Arussi	ETH
23309	106443	PI 386911	H. vulg.	IAR\B 148\2	ETH	Arussi	ETH
23310	106444	PI 386912	H. vulg.	IAR\B 149	ETH	Arussi	ETH
23311	106445	PI 386913	H. vulg.	IAR\B 151	ETH	Arussi	ETH
23312	106446	PI 386914	H. vulg.	IAR\B 152\1	ETH	Arussi	ETH
23313	106447	PI 386915	H. vulg.	IAR\B 153\1	ETH	Arussi	ETH
23314	106448	PI 386916	H. vulg.	IAR\B 153\2	ETH	Arussi	ETH
23315	106449	PI 386917	H. vulg.	IAR\B 154	ETH	Arussi	ETH
23316	106450	PI 386918	H. vulg.	IAR\B 155\1	ETH	Arussi	ETH
23317	106451	PI 386919	H. vulg.	IAR\B 158\1	ETH	Arussi	ETH
23318	106452	PI 386920	H. vulg.	IAR\B 159	ETH	Arussi	ETH
23319	106453	PI 386921	H. vulg.	IAR\B 160\3	ETH	Arussi	ETH
23320	106454	PI 386922	H. vulg.	IAR\B 161\2	ETH	Arussi	ETH
23321	106455	PI 386923	H. vulg.	IAR\B 161\3	ETH	Arussi	ETH
23322	106456	PI 386924	H. vulg.	IAR\B 162\1	ETH	Arussi	ETH
23323	106457	PI 386925	H. vulg.	IAR\B 162\2	ETH	Arussi	ETH
23324	106458	PI 386926	H. vulg.	IAR\B 163\1	ETH	Arussi	ETH
23325	106459	PI 386928	H. vulg.	IAR\B 164	ETH	Arussi	ETH
23326	106460	PI 386929	H. vulg.	IAR\B 166	ETH	Arussi	ETH
23327	106461	PI 386931	H. vulg.	IAR\B 170\1	ETH	Arussi	ETH
23328	106462	PI 386932	H. vulg.	IAR\B 170\2	ETH	Arussi	ETH
23329	106463	PI 386933	H. vulg.	IAR\B 170\3	ETH	Arussi	ETH
23330	106464	PI 386934	H. vulg.	IAR\B 171\1	ETH	Arussi	ETH
23331	106465	PI 386936	H. vulg.	IAR\B 172	ETH	Arussi	ETH
23332	106466	PI 386937	H. vulg.	IAR\B 173	ETH	Arussi	ETH
23333	106467	PI 386938	H. vulg.	IAR\B 174\1	ETH	-	ETH
23334	106468	PI 386939	H. vulg.	IAR\B 174\2	ETH	-	ETH
23335	106469	PI 386940	H. vulg.	IAR\B 175\1	ETH	Arussi	ETH
23336	106470	PI 386941	H. vulg.	IAR\B 175\2	ETH	Arussi	ETH
23337	106471	PI 386942	H. vulg.	IAR\B 176\1	ETH	Arussi	ETH
23338	106472	PI 386943	H. vulg.	IAR\B 176\2	ETH	Arussi	ETH
23339	106473	PI 386944	H. vulg.	IAR\B 177\1	ETH	Arussi	ETH
23340	106474	PI 386945	H. vulg.	IAR\B 177\2	ETH	Arussi	ETH
23341	106475	PI 386946	H. vulg.	IAR\B 178	ETH	Arussi	ETH
23342	106476	PI 386947	H. vulg.	IAR\B 179	ETH	Arussi	ETH
23343	106477	PI 386949	H. vulg.	IAR\B 182\2	ETH	Arussi	ETH
23344	106478	PI 386950	H. vulg.	IAR\B 182\3	ETH	Arussi	ETH
23345	106479	PI 386951	H. vulg.	IAR\B 184\2	ETH	Arussi	ETH
23346	106480	PI 386952	H. vulg.	IAR\B 185\1	ETH	Arussi	ETH
23347	106481	PI 386953	H. vulg.	IAR\B 185\2	ETH	Arussi	ETH
23348	106482	PI 386954	H. vulg.	IAR\B 186\1	ETH	Arussi	ETH
23349	106483	PI 386956	H. vulg.	IAR\B 187\2	ETH	Arussi	ETH
23350	106484	PI 386957	H. vulg.	IAR\B 187\3	ETH	Arussi	ETH
23351	106485	PI 386958	H. vulg.	IAR\B 189\1	ETH	Arussi	ETH
23352	106486	PI 386959	H. vulg.	IAR\B 189\2	ETH	Arussi	ETH
23353	106487	PI 386960	H. vulg.	IAR\B 190	ETH	Arussi	ETH
23354	106488	PI 386961	H. vulg.	IAR\B 191	ETH	Arussi	ETH
23355	106489	PI 386962	H. vulg.	IAR\B 192	ETH	Arussi	ETH
23356	106490	PI 386963	H. vulg.	IAR\B 194\1	ETH	Arussi	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
23357	106491	PI 386964	H. vulg.	IAR\B 194\2	ETH	Arussi	ETH
23358	106492	PI 386965	H. vulg.	IAR\B 195\1	ETH	Arussi	ETH
23359	106493	PI 386966	H. vulg.	IAR\B 195\2	ETH	Arussi	ETH
23360	106494	PI 386967	H. vulg.	IAR\B 198\1	ETH	Arussi	ETH
23361	106495	PI 386968	H. vulg.	IAR\B 199\2	ETH	Arussi	ETH
23362	106496	PI 386969	H. vulg.	IAR\B 199\3	ETH	Arussi	ETH
23363	106497	PI 386970	H. vulg.	IAR\B 200	ETH	Arussi	ETH
23364	106498	PI 386971	H. vulg.	IAR\B 201	ETH	Arussi	ETH
23365	106499	PI 386972	H. vulg.	IAR\B 202	ETH	Arussi	ETH
23366	106500	PI 386973	H. vulg.	IAR\B 203\2	ETH	Arussi	ETH
23367	106501	PI 386974	H. vulg.	IAR\B 203\3	ETH	Arussi	ETH
23368	106502	PI 386975	H. vulg.	IAR\B 204\1	ETH	Arussi	ETH
23369	106503	PI 386976	H. vulg.	IAR\B 204\3	ETH	Arussi	ETH
23370	106504	PI 386977	H. vulg.	IAR\B 205\1	ETH	Arussi	ETH
23371	106505	PI 386978	H. vulg.	IAR\B 205\2	ETH	Arussi	ETH
23372	106506	PI 386979	H. vulg.	IAR\B 206\3	ETH	Arussi	ETH
23373	106507	PI 386980	H. vulg.	IAR\B 206\4	ETH	Arussi	ETH
23374	106508	PI 386981	H. vulg.	IAR\B 207\2	ETH	Arussi	ETH
23375	106509	PI 386982	H. vulg.	IAR\B 207\3	ETH	Arussi	ETH
23376	106510	PI 386983	H. vulg.	IAR\B 208	ETH	Arussi	ETH
23377	106511	PI 386984	H. vulg.	IAR\B 209\1	ETH	Arussi	ETH
23378	106512	PI 386985	H. vulg.	IAR\B 209\2	ETH	Arussi	ETH
23379	106513	PI 386986	H. vulg.	IAR\B 210	ETH	Arussi	ETH
23380	106514	PI 386987	H. vulg.	IAR\B 211\1	ETH	Arussi	ETH
23381	106515	PI 386988	H. vulg.	IAR\B 211\3	ETH	Arussi	ETH
23382	106516	PI 386990	H. vulg.	IAR\B 212\3	ETH	Arussi	ETH
23383	106517	PI 386991	H. vulg.	IAR\B 212\4	ETH	Arussi	ETH
23384	106518	PI 386992	H. vulg.	IAR\B 213	ETH	Arussi	ETH
23385	106519	PI 386993	H. vulg.	IAR\B 214\3	ETH	Arussi	ETH
23386	106520	PI 386994	H. vulg.	IAR\B 215\1	ETH	Arussi	ETH
23387	106521	PI 386995	H. vulg.	IAR\B 215\3	ETH	Arussi	ETH
23388	106522	PI 386996	H. vulg.	IAR\B 215\4	ETH	Arussi	ETH
23389	106523	PI 386997	H. vulg.	IAR\B 216\1	ETH	Arussi	ETH
23390	106524	PI 386998	H. vulg.	IAR\B 216\2	ETH	Arussi	ETH
23391	106525	PI 386999	H. vulg.	IAR\B 216\3	ETH	Arussi	ETH
23392	106526	PI 387000	H. vulg.	IAR\B 217	ETH	Arussi	ETH
23393	106527	PI 387001	H. vulg.	IAR\B 218	ETH	Arussi	ETH
23394	106528	PI 387003	H. vulg.	IAR\B 223	ETH	-	ETH
23395	106529	PI 387005	H. vulg.	IAR\B 226	ETH	-	ETH
23396	106530	PI 387008	H. vulg.	IAR\B 238\1	ETH	Begemdir	ETH
23397	106531	PI 387009	H. vulg.	IAR\B 238\3	ETH	Begemdir	ETH
23398	106532	PI 387010	H. vulg.	IAR\B 239\3	ETH	Begemdir	ETH
23399	106533	PI 387012	H. vulg.	IAR\B 240\2	ETH	Begemdir	ETH
23400	106534	PI 387014	H. vulg.	IAR\B 241	ETH	Begemdir	ETH
23404	106535	PI 387017	H. vulg.	IAR\B 246\3	ETH	Begemdir	ETH
23402	106536	PI 387019	H. vulg.	IAR\B 249\2	ETH	Begemdir	ETH
23403	106537	PI 387020	H. vulg.	IAR\B 250	ETH	Begemdir	ETH
23404	106538	PI 387022	H. vulg.	IAR\B 263	ETH	Hararge	ETH
23405	106539	PI 387023	H. vulg.	IAR\B 264	ETH	Hararge	ETH
23406	106540	PI 387024	H. vulg.	IAR\B 276	ETH	-	ETH
23407	106541	PI 387025	H. vulg.	IAR\B 278\1	ETH	Keffa	ETH
23408	106542	PI 387026	H. vulg.	IAR\B 278\2	ETH	Keffa	ETH
23409	106543	PI 387027	H. vulg.	IAR\B 278\4	ETH	Keffa	ETH
23410	106544	PI 387030	H. vulg.	IAR\B 279\2	ETH	Keffa	ETH
23411	106545	PI 387031	H. vulg.	IAR\B 279\3	ETH	Keffa	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
23412	106546	PI 387032	H. vulg.	IAR\B 279\4	ETH	Keffa	ETH
23413	106547	PI 387034	H. vulg.	IAR\B 280\2	ETH	Keffa	ETH
23414	106548	PI 387035	H. vulg.	IAR\B 283\1	ETH	Keffa	ETH
23415	106549	PI 387036	H. vulg.	IAR\B 283\2	ETH	Keffa	ETH
23416	106550	PI 387038	H. vulg.	IAR\B 284\2	ETH	Keffa	ETH
23417	106551	PI 387042	H. vulg.	IAR\B 286\2	ETH	Keffa	ETH
23418	106552	PI 387043	H. vulg.	IAR\B 287\2	ETH	Keffa	ETH
23419	106553	PI 387044	H. vulg.	IAR\B 287\3	ETH	Keffa	ETH
23420	106554	PI 387045	H. vulg.	IAR\B 288\1	ETH	Keffa	ETH
23421	106555	PI 387046	H. vulg.	IAR\B 289\1	ETH	Keffa	ETH
23422	106556	PI 387047	H. vulg.	IAR\B 289\3	ETH	Keffa	ETH
23423	106557	PI 387053	H. vulg.	IAR\B 294\3	ETH	Keffa	ETH
23424	106558	PI 387054	H. vulg.	IAR\B 296\1	ETH	Keffa	ETH
23425	106559	PI 387061	H. vulg.	IAR\B 302\1	ETH	Keffa	ETH
23426	106560	PI 387063	H. vulg.	IAR\B 302\3	ETH	Keffa	ETH
23427	106561	PI 387066	H. vulg.	IAR\B 303\2	ETH	Keffa	ETH
23428	106562	PI 387069	H. vulg.	IAR\B 304\3	ETH	Keffa	ETH
23429	106563	PI 387070	H. vulg.	IAR\B 306\1	ETH	Keffa	ETH
23430	106564	PI 387072	H. vulg.	IAR\B 307\3	ETH	Shoa	ETH
23431	106565	PI 387073	H. vulg.	IAR\B 308\1	ETH	Shoa	ETH
23432	106566	PI 387074	H. vulg.	IAR\B 308\2	ETH	Shoa	ETH
23433	106567	PI 387075	H. vulg.	IAR\B 309	ETH	-	ETH
23434	106568	PI 387076	H. vulg.	IAR\B 311\1	ETH	Shoa	ETH
23435	106569	PI 387077	H. vulg.	IAR\B 311\2	ETH	Shoa	ETH
23436	106570	PI 387078	H. vulg.	IAR\B 312\1	ETH	-	ETH
23437	106571	PI 387079	H. vulg.	IAR\B 312\2	ETH	-	ETH
23438	106572	PI 387080	H. vulg.	IAR\B 313\1	ETH	Shoa	ETH
23439	106573	PI 387081	H. vulg.	IAR\B 313\2	ETH	Shoa	ETH
23440	106574	PI 387084	H. vulg.	IAR\B 315	ETH	Shoa	ETH
23441	106575	PI 387086	H. vulg.	IAR\B 316\2	ETH	Shoa	ETH
23442	106576	PI 387087	H. vulg.	IAR\B 320\1	ETH	Shoa	ETH
23443	106577	PI 387088	H. vulg.	IAR\B 321\1	ETH	Shoa	ETH
23444	106578	PI 387089	H. vulg.	IAR\B 321\2	ETH	Shoa	ETH
23445	106579	PI 387090	H. vulg.	IAR\B 322\3	ETH	Shoa	ETH
23446	106580	PI 387091	H. vulg.	IAR\B 324	ETH	Shoa	ETH
23447	106581	PI 387092	H. vulg.	IAR\B 325\1	ETH	Shoa	ETH
23448	106582	PI 387093	H. vulg.	IAR\B 326\1	ETH	Shoa	ETH
23449	106583	PI 387094	H. vulg.	IAR\B 326\2	ETH	Shoa	ETH
23450	106584	PI 387096	H. vulg.	IAR\B 326\4	ETH	Shoa	ETH
23451	106585	PI 387097	H. vulg.	IAR\B 327	ETH	Shoa	ETH
23452	106586	PI 387098	H. vulg.	IAR\B 328\3	ETH	Shoa	ETH
23453	106587	PI 387099	H. vulg.	IAR\B 329	ETH	Shoa	ETH
23454	106588	PI 387100	H. vulg.	IAR\B 330	ETH	Shoa	ETH
23455	106589	PI 387101	H. vulg.	IAR\B 331\1	ETH	Shoa	ETH
23456	106590	PI 387102	H. vulg.	IAR\B 331\2	ETH	Shoa	ETH
23457	106591	PI 387111	H. vulg.	IAR\B 338\2	ETH	Shoa	ETH
23458	106592	PI 387112	H. vulg.	IAR\B 338\3	ETH	Shoa	ETH
23459	106593	PI 387113	H. vulg.	IAR\B 339\1	ETH	Shoa	ETH
23460	106594	PI 387114	H. vulg.	IAR\B 339\2	ETH	Shoa	ETH
23461	106595	PI 387115	H. vulg.	IAR\B 340\1	ETH	Shoa	ETH
23462	106596	PI 387117	H. vulg.	IAR\B 341\3	ETH	Shoa	ETH
23463	106597	PI 387118	H. vulg.	IAR\B 342\1	ETH	Shoa	ETH
23464	106598	PI 387119	H. vulg.	IAR\B 342\2	ETH	Shoa	ETH
23465	106599	PI 387120	H. vulg.	IAR\B 343\1	ETH	Shoa	ETH
23466	106600	PI 387122	H. vulg.	IAR\B 343\3	ETH	Shoa	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
23467	106601	PI 387123	H. vulg.	IAR\B 344	ETH	Shoa	ETH
23468	106602	PI 387124	H. vulg.	IAR\B 345\2	ETH	Shoa	ETH
23469	106603	PI 387125	H. vulg.	IAR\B 346\1	ETH	Shoa	ETH
23470	106604	PI 387127	H. vulg.	IAR\B 347\1	ETH	Shoa	ETH
23471	106605	PI 387128	H. vulg.	IAR\B 347\2	ETH	Shoa	ETH
23472	106606	PI 387129	H. vulg.	IAR\B 348\1	ETH	Shoa	ETH
23473	106607	PI 387130	H. vulg.	IAR\B 348\2	ETH	Shoa	ETH
23474	106608	PI 387132	H. vulg.	IAR\B 350\2	ETH	-	ETH
23475	106609	PI 387133	H. vulg.	IAR\B 351\2	ETH	Shoa	ETH
23476	106610	PI 387134	H. vulg.	IAR\B 351\3	ETH	Shoa	ETH
23477	106611	PI 387135	H. vulg.	IAR\B 352	ETH	Shoa	ETH
23478	106612	PI 387137	H. vulg.	IAR\B 358\2	ETH	Shoa	ETH
23479	106613	PI 387139	H. vulg.	IAR\B 359\1	ETH	Shoa	ETH
23480	106614	PI 387140	H. vulg.	IAR\B 360\1	ETH	Shoa	ETH
23481	106615	PI 387141	H. vulg.	IAR\B 360\2	ETH	Shoa	ETH
23482	106616	PI 387142	H. vulg.	IAR\B 363\1	ETH	Shoa	ETH
23483	106617	PI 387143	H. vulg.	IAR\B 367\1	ETH	Shoa	ETH
23484	106618	PI 387144	H. vulg.	IAR\B 367\2	ETH	Shoa	ETH
23485	106619	PI 387145	H. vulg.	IAR\B 367\3	ETH	Shoa	ETH
23486	106620	PI 387147	H. vulg.	IAR\B 368\1	ETH	Shoa	ETH
23487	106621	PI 387149	H. vulg.	IAR\B 368\3	ETH	Shoa	ETH
23488	106622	PI 387152	H. vulg.	IAR\B 373\2	ETH	-	ETH
23489	106623	PI 387153	H. vulg.	IAR\B 375\1	ETH	Shoa	ETH
23490	106624	PI 387154	H. vulg.	IAR\B 378\3	ETH	Shoa	ETH
23491	106625	PI 387156	H. vulg.	IAR\B 382\1	ETH	-	ETH
23492	106626	PI 387157	H. vulg.	IAR\B 382\2	ETH	-	ETH
23493	106627	PI 387158	H. vulg.	IAR\B 382\3	ETH	-	ETH
23494	106628	PI 387159	H. vulg.	IAR\B 384\1	ETH	Shoa	ETH
23495	106629	PI 387162	H. vulg.	IAR\B 392\1	ETH	Shoa	ETH
23496	106630	PI 387163	H. vulg.	IAR\B 392\2	ETH	Shoa	ETH
23497	106631	PI 387164	H. vulg.	IAR\B 395\1	ETH	Shoa	ETH
23498	106632	PI 387165	H. vulg.	IAR\B 397\1	ETH	Shoa	ETH
23499	106633	PI 387168	H. vulg.	IAR\B 409\1	ETH	-	ETH
23500	106634	PI 387169	H. vulg.	IAR\B 409\2	ETH	-	ETH
23501	106635	PI 387171	H. vulg.	IAR\B 412\2	ETH	Shoa	ETH
23502	106636	PI 387173	H. vulg.	IAR\B 414\2	ETH	Shoa	ETH
23503	106637	PI 387174	H. vulg.	IAR\B 415\2	ETH	Shoa	ETH
23504	106638	PI 387176	H. vulg.	IAR\B 416	ETH	Shoa	ETH
23505	106639	PI 387178	H. vulg.	IAR\B 418	ETH	Shoa	ETH
23506	106640	PI 387179	H. vulg.	IAR\B 423	ETH	-	ETH
23507	106641	PI 387180	H. vulg.	IAR\B 425\1	ETH	Shoa	ETH
23508	106642	PI 387181	H. vulg.	IAR\B 425\2	ETH	Shoa	ETH
23509	106643	PI 387183	H. vulg.	IAR\B 425\3	ETH	Shoa	ETH
23510	106644	PI 387184	H. vulg.	IAR\B 427	ETH	Sidamo	ETH
23511	106645	PI 387185	H. vulg.	IAR\B 428\1	ETH	Sidamo	ETH
23512	106646	PI 387187	H. vulg.	IAR\B 432\1	ETH	Sidamo	ETH
23513	106647	PI 387188	H. vulg.	IAR\B 432\2	ETH	Sidamo	ETH
23514	106648	PI 387189	H. vulg.	IAR\B 433	ETH	Sidamo	ETH
23515	106649	PI 387192	H. vulg.	IAR\B 439	ETH	Tigre	ETH
23516	106650	PI 387193	H. vulg.	IAR\B 440	ETH	Tigre	ETH
23517	106651	PI 387195	H. vulg.	IAR\B 450	ETH	Tigre	ETH
23518	106652	PI 387196	H. vulg.	IAR\B 463\1	ETH	Begemdir	ETH
23519	106653	PI 387197	H. vulg.	IAR\B 463\2	ETH	Begemdir	ETH
23520	106654	PI 387198	H. vulg.	IAR\B 463\3	ETH	Begemdir	ETH
23521	106655	PI 387199	H. vulg.	IAR\B 466\1	ETH	Begemdir	ETH

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
23522	106656	PI 387200	H. vulg.	IAR\B 466\2	ETH	Begemdir	ETH
23523	106657	PI 387201	H. vulg.	IAR\B 467\2	ETH	Begemdir	ETH
23524	106658	PI 387202	H. vulg.	IAR\B 473	ETH	Eritrea	ETH
23525	106659	PI 387203	H. vulg.	IAR\B 482	ETH	Shoa	ETH
23526	106660	PI 387204	H. vulg.	IAR\B 484	ETH	Shoa	ETH
23527	106661	PI 387205	H. vulg.	IAR\B 485	ETH	Shoa	ETH
23528	106662	PI 387207	H. vulg.	IAR\B 488	ETH	Shoa	ETH
23529	106663	PI 387208	H. vulg.	IAR\B 489	ETH	Shoa	ETH
23530	106664	PI 387209	H. vulg.	IAR\B 490\1	ETH	Shoa	ETH
23531	106665	PI 387210	H. vulg.	IAR\B 491	ETH	Tigre	ETH
23532	106666	PI 387211	H. vulg.	IAR\B 492\1	ETH	Tigre	ETH
23533	106667	PI 387212	H. vulg.	IAR\B 492\2	ETH	Tigre	ETH
23534	106668	PI 387213	H. vulg.	IAR\B 497	ETH	Tigre	ETH
23535	106669	PI 387214	H. vulg.	IAR\B 498	ETH	Tigre	ETH
23536	106670	PI 387215	H. vulg.	IAR\B 499\1	ETH	Tigre	ETH
23537	106671	PI 387216	H. vulg.	IAR\B 499\2	ETH	Tigre	ETH
23538	106672	PI 387217	H. vulg.	IAR\B 500\1	ETH	Tigre	ETH
23539	106673	PI 387218	H. vulg.	IAR\B 500\2	ETH	Tigre	ETH
23540	106674	PI 387219	H. vulg.	IAR\B 501	ETH	Tigre	ETH
23541	106675	PI 387220	H. vulg.	IAR\B 502\1	ETH	Tigre	ETH
23542	106676	PI 387221	H. vulg.	IAR\B 502\3	ETH	Tigre	ETH
23543	106677	PI 387222	H. vulg.	IAR\B 503\3	ETH	Tigre	ETH
23544	106678	PI 387223	H. vulg.	IAR\B 504\1	ETH	Tigre	ETH
23545	106679	PI 387224	H. vulg.	IAR\B 504\2	ETH	Tigre	ETH
23546	106680	PI 387225	H. vulg.	IAR\B 505\1	ETH	Tigre	ETH
23547	106681	PI 387226	H. vulg.	IAR\B 506\1	ETH	Tigre	ETH
23548	106682	PI 387228	H. vulg.	IAR\B 508	ETH	Tigre	ETH
23549	106683	PI 387229	H. vulg.	IAR\B 511\3	ETH	Shoa	ETH
23550	106684	PI 387232	H. vulg.	IAR\B 514\3	ETH	Hararge	ETH
23551	106685	PI 387233	H. vulg.	IAR\B 515\1	ETH	Shoa	ETH
23552	106686	PI 387234	H. vulg.	IAR\B 515\2	ETH	Shoa	ETH
23553	106687	PI 387236	H. vulg.	IAR\B 517\2	ETH	Shoa	ETH
23554	106688	PI 387237	H. vulg.	IAR\B 518\2	ETH	Shoa	ETH
23555	106689	PI 387238	H. vulg.	IAR\B 519	ETH	Shoa	ETH
23556	106690	PI 387239	H. vulg.	IAR\B 521\2	ETH	Shoa	ETH
23557	106691	PI 387340	H. vulg.	IAR\B 521\3	ETH	Shoa	ETH
23558	106692	PI 387241	H. vulg.	IAR\B 522	ETH	Shoa	ETH
23559	106693	PI 387242	H. vulg.	IAR\B 523	ETH	Shoa	ETH
23560	106694	PI 387243	H. vulg.	IAR\B 524\1	ETH	Shoa	ETH
23561	106695	PI 387244	H. vulg.	IAR\B 542\2	ETH	Shoa	ETH
23562	106696	PI 387245	H. vulg.	IAR\B 525\1	ETH	Wollega	ETH
23563	106697	PI 387250	H. vulg.	IAR\B 528\4	ETH	Shoa	ETH
23564	106698	PI 387875	H. dist.	-	CHN	Shanghai	CHN
23565	106699	PI 388636	H. vulg.	-	SUN	-	SUN
23566	106700	PI 388637	H. vulg.	-	SUN	-	SUN
23567	106701	PI 388638	H. vulg.	-	SUN	-	SUN
23568	106702	PI 388639	H. vulg.	-	SUN	-	SUN
23569	106703	PI 388640	H. vulg.	-	SUN	-	SUN
23570	106704	PI 388641	H. vulg.	-	SUN	-	SUN
23571	106705	PI 388642	H. vulg.	-	SUN	-	SUN
23572	106706	PI 388643	H. vulg.	-	SUN	-	SUN
23573	106707	PI 388644	H. vulg.	-	SUN	-	SUN
23574	106708	PI 388645	H. vulg.	-	SUN	-	SUN
23575	106709	PI 389136	H. vulg.	-	UNK	-	DEU
23576	106710	PI 390281	H. vulg.	VI 1	YUG	Macedonia	YUG

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
23577	106711	PI 390282	H. vulg.	VI 2	YUG	Macedonia	YUG
23578	106712	PI 390284	H. vulg.	VI 4	YUG	Macedonia	YUG
23579	106713	PI 390285	H. vulg.	VI 5	YUG	Macedonia	YUG
23580	106714	PI 390286	H. vulg.	VI 6	YUG	Macedonia	YUG
23581	106715	PI 390287	H. vulg.	VI 7	YUG	Macedonia	YUG
23582	106716	PI 390288	H. vulg.	VI 8	YUG	Macedonia	YUG
23583	106717	PI 390289	H. vulg.	VI 9	YUG	Macedonia	YUG
23584	106718	PI 390290	H. vulg.	VI 10	YUG	Macedonia	YUG
23585	106719	PI 390291	H. vulg.	VI 11	YUG	Macedonia	YUG
23586	106720	PI 390292	H. vulg.	VI 12	YUG	Macedonia	YUG
23587	106721	PI 390293	H. vulg.	VI 13	YUG	Macedonia	YUG
23588	106722	PI 390294	H. vulg.	VI 14	YUG	Macedonia	YUG
23589	106723	PI 390295	H. vulg.	VI 15	YUG	Macedonia	YUG
23590	106724	PI 390296	H. vulg.	VI 16	YUG	Macedonia	YUG
23591	106725	PI 390297	H. vulg.	VI 17	YUG	Macedonia	YUG
23592	106726	PI 390298	H. vulg.	VI 18	YUG	Macedonia	YUG
23593	106727	PI 390299	H. vulg.	VI 19	YUG	Macedonia	YUG
23594	106728	PI 390300	H. vulg.	VI 20	YUG	Macedonia	YUG
23595	106729	PI 390301	H. vulg.	VI 21	YUG	Macedonia	YUG
23596	106730	PI 390302	H. vulg.	VI 22	YUG	Macedonia	YUG
23597	106731	PI 390303	H. vulg.	VI 23	YUG	Macedonia	YUG
23598	106732	PI 390304	H. vulg.	VI 24	YUG	Macedonia	YUG
23599	106733	PI 390305	H. vulg.	VI 25	YUG	Macedonia	YUG
23600	106734	PI 390306	H. vulg.	VI 26	YUG	Macedonia	YUG
23601	106735	PI 390307	H. vulg.	VI 27	YUG	Macedonia	YUG
23602	106736	PI 390308	H. vulg.	VI 28	YUG	Macedonia	YUG
23603	106737	PI 390309	H. vulg.	VI 29	YUG	Macedonia	YUG
23604	106738	PI 390310	H. vulg.	VI 30	YUG	Macedonia	YUG
23605	106739	PI 390311	H. vulg.	VI 31	YUG	Macedonia	YUG
23606	106740	PI 390312	H. vulg.	VI 32	YUG	Macedonia	YUG
23607	106741	PI 390313	H. vulg.	VI 33	YUG	Macedonia	YUG
23608	106742	PI 390314	H. vulg.	VI 34	YUG	Macedonia	YUG
23609	106743	PI 390315	H. vulg.	VI 35	YUG	Macedonia	YUG
23610	106744	PI 390316	H. vulg.	VI 36	YUG	Macedonia	YUG
23611	106745	PI 390317	H. vulg.	VI 37	YUG	Macedonia	YUG
23612	106746	PI 390318	H. vulg.	VI 38	YUG	Macedonia	YUG
23613	106747	PI 390319	H. vulg.	VI 39	YUG	Macedonia	YUG
23614	106748	PI 390320	H. vulg.	VI 40	YUG	Macedonia	YUG
23615	106749	PI 390321	H. vulg.	VI 41	YUG	Macedonia	YUG
23616	106750	PI 390322	H. vulg.	VI 42	YUG	Macedonia	YUG
23617	106751	PI 390323	H. vulg.	VI 43	YUG	Macedonia	YUG
23618	106752	PI 390324	H. vulg.	VI 44	YUG	Macedonia	YUG
23619	106753	PI 390325	H. vulg.	VI 45	YUG	Macedonia	YUG
23620	106754	PI 390326	H. vulg.	VI 46	YUG	Macedonia	YUG
23621	106755	PI 390327	H. vulg.	VI 47	YUG	Macedonia	YUG
23622	106756	PI 390328	H. vulg.	VI 48	YUG	Macedonia	YUG
23623	106757	PI 390468	H. vulg.	WC 1367	ECU	Loja	ECU
23624	106758	PI 390631	H. vulg.	WC 1083	PER	Chiclayo	PER
23625	106759	PI 390632	H. vulg.	WC 1144	PER	Cuzco	PER
23626	106760	PI 390633	H. vulg.	WC 1145	PER	Cuzco	PER
23627	106761	PI 390634	H. vulg.	WC 1146	PER	Cuzco	PER
23628	106762	PI 390635	H. vulg.	WC 1229	PER	Huanuco	PER
23629	106763	PI 390636	H. vulg.	WC 1326	PER	Chiclayo	PER
23630	106764	PI 390925	H. dist.	-	CHN	Shanghai	CHN
23631	106765	PI 390926	H. vulg.	-	CHN	Shanghai	CHN

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
23632	106766	PI 390927	H. vulg.	CAS 757	CHN	Shanghai	CHN
23633	106767	PI 391421	H. spp.	-	ETH	Hosana	ETH
23634	106768	PI 392046	H. dist.	-	DEU	-	DEU
23635	106769	PI 392047	H. dist.	-	DEU	-	DEU
23636	106770	PI 392048	H. vulg.	-	DEU	-	DEU
23637	106771	PI 392049	H. vulg.	-	DEU	-	DEU
23638	106772	PI 392050	H. vulg.	-	DEU	-	DEU
23639	106773	PI 392051	H. vulg.	-	DEU	-	DEU
23640	106774	PI 392052	H. vulg.	-	DEU	-	DEU
23641	106775	PI 392053	H. vulg.	-	DEU	-	DEU
23642	106776	PI 392054	H. vulg.	-	DEU	-	DEU
23643	106777	PI 392055	H. vulg.	-	DEU	-	DEU
23644	106778	PI 392056	H. vulg.	-	DEU	-	DEU
23645	106779	PI 392057	H. vulg.	-	DEU	-	DEU
23646	106780	PI 392058	H. vulg.	-	DEU	-	DEU
23647	106781	PI 392059	H. vulg.	-	DEU	-	DEU
23648	106782	PI 392060	H. vulg.	-	DEU	-	DEU
23649	106783	PI 392061	H. vulg.	-	DEU	-	DEU
23650	106784	PI 392062	H. vulg.	-	DEU	-	DEU
23651	106785	PI 392063	H. vulg.	-	DEU	-	DEU
23652	106786	PI 392250	H. vulg.	-	IND	-	IND
23653	106787	PI 392251	H. vulg.	-	IND	-	IND
23654	106788	PI 392405	H. vulg.	DPSCP 60\17-58	ZAF	-	ZAF
23655	106789	PI 392406	H. vulg.	DPSCP 62\13-8	ZAF	-	ZAF
23656	106790	PI 392407	H. vulg.	DPSCP 60\12-49	ZAF	-	ZAF
23657	106791	PI 392409	H. vulg.	DPSCP 60\14-23	ZAF	-	ZAF
23658	106792	PI 392410	H. vulg.	DPSCP 60\21-35	ZAF	-	ZAF
23659	106793	PI 392411	H. vulg.	DPSCP 60\14-1-3-5	ZAF	-	ZAF
23660	106794	PI 392412	H. vulg.	DPSCP 60\19-51	ZAF	-	ZAF
23661	106795	PI 392413	H. vulg.	DPSCP 62\13-176	ZAF	-	ZAF
23662	106796	PI 392414	H. vulg.	DPSCP 62\13-220	ZAF	-	ZAF
23663	106797	PI 392415	H. vulg.	DPSCP 60\A-1-22	ZAF	-	ZAF
23664	106798	PI 392416	H. vulg.	DPSCP 62\13-85	ZAF	-	ZAF
23665	106799	PI 392417	H. vulg.	DPSCP 60\12-27-2	ZAF	-	ZAF
23666	106800	PI 392418	H. vulg.	DPSCP 62\13-173	ZAF	-	ZAF
23667	106801	PI 392419	H. vulg.	DPSCP 60\17-78	ZAF	-	ZAF
23668	106802	PI 392420	H. vulg.	DPSCP 60\14-166	ZAF	-	ZAF
23669	106803	PI 392421	H. vulg.	DPSCP 60\A-3-2	ZAF	-	ZAF
23670	106804	PI 392422	H. vulg.	DPSCP 65\56-86	ZAF	-	ZAF
23671	106805	PI 392423	H. vulg.	DPSCP 65\56-20	ZAF	-	ZAF
23672	106806	PI 392424	H. vulg.	DPSCP 65\55-21	ZAF	-	ZAF
23673	106807	PI 392425	H. vulg.	DPSCP 65\25-5	ZAF	-	ZAF
23674	106808	PI 392426	H. vulg.	DPSCP 62\13-213	ZAF	-	ZAF
23675	106809	PI 392427	H. vulg.	DPSCP 62\13-164	ZAF	-	ZAF
23676	106810	PI 392428	H. vulg.	DPSCP 62\13-113	ZAF	-	ZAF
23677	106811	PI 392429	H. vulg.	DPSCP 60\20-23	ZAF	-	ZAF
23678	106812	PI 392430	H. vulg.	DPSCP 62\13-78	ZAF	-	ZAF
23679	106813	PI 392431	H. vulg.	DPSCP 62\19-2-18	ZAF	-	ZAF
23680	106814	PI 392432	H. vulg.	DPSCP 60\17-2-16	ZAF	-	ZAF
23681	106815	PI 392433	H. vulg.	DPSCP 58\27-54	ZAF	-	ZAF
23682	106816	PI 392434	H. vulg.	DPSCP 60\1-2	ZAF	-	ZAF
23683	106817	PI 392435	H. vulg.	DPSCP 60\1-3	ZAF	-	ZAF
23684	106818	PI 392436	H. vulg.	DPSCP 65\36-4	ZAF	-	ZAF
23685	106819	PI 392437	H. vulg.	DPSCP 65\4-8	ZAF	-	ZAF
23686	106820	PI 392438	H. vulg.	DPSCP 65\56-23	ZAF	-	ZAF

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
23687	106821	PI 392439	H. vulg.	DPSCP 65\55-9	ZAF	-	ZAF
23688	106822	PI 392440	H. vulg.	DPSCP 65\31-16	ZAF	-	ZAF
23689	106823	PI 392441	H. vulg.	DPSCP 65\30-9	ZAF	-	ZAF
23690	106824	PI 392442	H. vulg.	DPSCP 65\56-61	ZAF	-	ZAF
23691	106825	PI 392443	H. vulg.	DPSCP 65\41-14	ZAF	-	ZAF
23692	106826	PI 392444	H. vulg.	DPSCP 65\41-2	ZAF	-	ZAF
23693	106827	PI 392445	H. vulg.	DPSCP 65\31-101	ZAF	-	ZAF
23694	106828	PI 392446	H. vulg.	DPSCP 65\43-9	ZAF	-	ZAF
23695	106829	PI 392447	H. vulg.	DPSCP 60\19-49	ZAF	-	ZAF
23696	106830	PI 392448	H. vulg.	DPSCP 65\41-7	ZAF	-	ZAF
23697	106831	PI 392449	H. vulg.	DPSCP 65\7-6	ZAF	-	ZAF
23698	106832	PI 392450	H. vulg.	DPSCP 65\55-40	ZAF	-	ZAF
23699	106833	PI 392451	H. vulg.	DPSCP 65\31-37	ZAF	-	ZAF
23700	106834	PI 392452	H. vulg.	DPSCP 65\31-25	ZAF	-	ZAF
23701	106835	PI 392453	H. vulg.	DPSCP 65\4-1	ZAF	-	ZAF
23702	106836	PI 392454	H. vulg.	DPSCP 65\31-100	ZAF	-	ZAF
23703	106837	PI 392455	H. vulg.	DPSCP 65\56-80	ZAF	-	ZAF
23704	106838	PI 392456	H. vulg.	DPSCP 65\4-3	ZAF	-	ZAF
23705	106839	PI 392457	H. vulg.	DPSCP 60\1-13-1	ZAF	-	ZAF
23706	106840	PI 392458	H. vulg.	DPSCP 60\1-19	ZAF	-	ZAF
23707	106841	PI 392459	H. vulg.	DPSCP 62\2-43A-1	ZAF	-	ZAF
23708	106842	PI 392460	H. vulg.	DPSCP 60\3-90	ZAF	-	ZAF
23709	106843	PI 392461	H. vulg.	DPSCP 60\22-4	ZAF	-	ZAF
23710	106844	PI 392462	H. vulg.	DPSCP 60\3-9	ZAF	-	ZAF
23711	106845	PI 392463	H. vulg.	DPSCP 60\22-22	ZAF	-	ZAF
23712	106846	PI 392464	H. vulg.	DPSCP 62\13-6	ZAF	-	ZAF
23713	106847	PI 392465	H. vulg.	DPSCP 60\17-1-12	ZAF	-	ZAF
23714	106848	PI 392466	H. vulg.	DPSCP 60\19-1-9	ZAF	-	ZAF
23715	106849	PI 392467	H. vulg.	DPSCP 58\27-65	ZAF	-	ZAF
23716	106850	PI 392468	H. vulg.	DPSCP 65\55-23	ZAF	-	ZAF
23717	106851	PI 392469	H. vulg.	DPSCP 65\5-4	ZAF	-	ZAF
23718	106852	PI 392470	H. vulg.	DPSCP 65\38-61	ZAF	-	ZAF
23719	106853	PI 392471	H. vulg.	DPSCP 65\52-2	ZAF	-	ZAF
23720	106854	PI 392472	H. vulg.	DPSCP 65\55-19	ZAF	-	ZAF
23721	106855	PI 392473	H. vulg.	DPSCP 65\36-145	ZAF	-	ZAF
23722	106856	PI 392474	H. vulg.	DPSCP 65\31-110	ZAF	-	ZAF
23723	106857	PI 392475	H. vulg.	DPSCP 65\55-17	ZAF	-	ZAF
23724	106858	PI 392476	H. vulg.	DPSCP 60\12-1-5	ZAF	-	ZAF
23725	106859	PI 392477	H. vulg.	DPSCP 60\19-1-15	ZAF	-	ZAF
23726	106860	PI 392478	H. vulg.	DPSCP 60\13-1	ZAF	-	ZAF
23727	106861	PI 392479	H. vulg.	DPSCP 62\13\48	ZAF	-	ZAF
23728	106862	PI 392480	H. vulg.	DPSCP 62\13-206	ZAF	-	ZAF
23729	106863	PI 392481	H. vulg.	DPSCP 62\13-96	ZAF	-	ZAF
23730	106864	PI 392482	H. vulg.	DPSCP 60\19-1-1-2	ZAF	-	ZAF
23731	106865	PI 392483	H. vulg.	DPSCP 65\4-6	ZAF	-	ZAF
23732	106866	PI 392484	H. vulg.	DPSCP 65\55-3	ZAF	-	ZAF
23733	106867	PI 392485	H. vulg.	DPSCP 65\31-27	ZAF	-	ZAF
23734	106868	PI 392486	H. vulg.	DPSCP 65\31-67	ZAF	-	ZAF
23735	106869	PI 392487	H. vulg.	DPSCP 65\56-36	ZAF	-	ZAF
23736	106870	PI 392488	H. vulg.	DPSCP 65\43-4	ZAF	-	ZAF
23737	106871	PI 392489	H. vulg.	DPSCP 60\19-30A	ZAF	-	ZAF
23738	106872	PI 392490	H. vulg.	DPSCP 62\13-77	ZAF	-	ZAF
23739	106873	PI 392491	H. vulg.	DPSCP 60\A-3-11	ZAF	-	ZAF
23740	106874	PI 392492	H. vulg.	DPSCP 62\13-86	ZAF	-	ZAF
23741	106875	PI 392493	H. vulg.	DPSCP 62\2-14-1	ZAF	-	ZAF

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
23742	106876	PI 392494	H. vulg.	DPSCP 60\3-68	ZAF	-	ZAF
23743	106877	PI 392495	H. vulg.	DPSCP 60\21-59A	ZAF	-	ZAF
23744	106878	PI 392496	H. vulg.	DPSCP 60\21-89	ZAF	-	ZAF
23745	106879	PI 392497	H. vulg.	DPSCP 65\31-39	ZAF	-	ZAF
23746	106880	PI 392498	H. vulg.	DPSCP 65\56-2	ZAF	-	ZAF
23747	106881	PI 392499	H. vulg.	DPSCP 65\56-21	ZAF	-	ZAF
23748	106882	PI 392500	H. vulg.	DPSCP 65\31-97	ZAF	-	ZAF
23749	106883	PI 392501	H. vulg.	DPSCP 65\31-36	ZAF	-	ZAF
23750	106884	PI 392502	H. vulg.	DPSCP 65\52-1	ZAF	-	ZAF
23751	106885	PI 392503	H. vulg.	DPSCP 65\43-1	ZAF	-	ZAF
23752	106886	PI 392504	H. vulg.	DPSCP 65\36-5	ZAF	-	ZAF
23753	106887	PI 392505	H. vulg.	DPSCP 65\36-38	ZAF	-	ZAF
23754	106888	PI 392506	H. vulg.	DPSCP 65\43-6	ZAF	-	ZAF
23755	106889	PI 392507	H. vulg.	DPSCP 65\43-5	ZAF	-	ZAF
23756	106890	PI 392508	H. vulg.	DPSCP 65\32-8	ZAF	-	ZAF
23757	106891	PI 392509	H. vulg.	DPSCP 65\31-88	ZAF	-	ZAF
23758	106892	PI 392510	H. vulg.	DPSCP 60\19-27	ZAF	-	ZAF
23759	106893	PI 392511	H. vulg.	DPSCP 60\19-21A	ZAF	-	ZAF
23760	106894	PI 392512	H. vulg.	DPSCP 60\3-88A	ZAF	-	ZAF
23761	106895	PI 392513	H. vulg.	DPSCP 60\3-89	ZAF	-	ZAF
23762	106896	PI 392514	H. vulg.	DPSCP 60\21-63	ZAF	-	ZAF
23763	106897	PI 392515	H. vulg.	DPSCP 60\21-71A	ZAF	-	ZAF
23764	106898	PI 392516	H. vulg.	DPSCP 60\1-13-1	ZAF	-	ZAF
23765	106899	PI 392517	H. vulg.	DPSCP 62\13-107	ZAF	-	ZAF
23766	106900	PI 392518	H. vulg.	DPSCP 62\13-88	ZAF	-	ZAF
23767	106901	PI 392519	H. vulg.	DPSCP 62\13-41	ZAF	-	ZAF
23768	106902	PI 392520	H. vulg.	DPSCP 60\19-59	ZAF	-	ZAF
23769	106903	PI 392521	H. vulg.	DPSCP 62\13-32	ZAF	-	ZAF
23770	106904	PI 392522	H. vulg.	DPSCP 60\19-58	ZAF	-	ZAF
23771	106905	PI 392523	H. vulg.	DPSCP 60\19-58	ZAF	-	ZAF
23772	106906	PI 392524	H. vulg.	DPSCP 62\19-2-15	ZAF	-	ZAF
23773	106907	PI 392525	H. vulg.	DPSCP 65\36-62	ZAF	-	ZAF
23774	106908	PI 392526	H. vulg.	DPSCP 65\46-2	ZAF	-	ZAF
23775	106909	PI 392527	H. vulg.	DPSCP 65\36-129	ZAF	-	ZAF
23776	106910	PI 392528	H. vulg.	DPSCP 65\36-52	ZAF	-	ZAF
23777	106911	PI 392529	H. vulg.	DPSCP 65\31-19	ZAF	-	ZAF
23778	106912	PI 392530	H. vulg.	DPSCP 65\38-28	ZAF	-	ZAF
23779	106913	PI 393637	H. vulg.	-	MAR	-	MAR
23780	106914	PI 393638	H. vulg.	-	UNK	-	MAR
23781	106915	PI 393995	H. vulg.	-	FIN	-	FIN
23782	106916	PI 399481	H. dist.	-	AUT	-	DEU
23783	106917	PI 399482	H. dist.	-	NLD	-	DEU
23784	106918	PI 399483	H. dist.	-	DEU	-	DEU
23785	106919	PI 399484	H. dist.	-	DEU	-	DEU
23786	106920	PI 399485	H. dist.	-	DEU	-	DEU
23787	106921	PI 399486	H. dist.	-	DEU	-	DEU
23788	106922	PI 399487	H. dist.	-	DEU	-	DEU
23789	106923	PI 399489	H. dist.	-	DEU	-	DEU
23790	106924	PI 399490	H. dist.	-	DEU	-	DEU
23791	106925	PI 399491	H. dist.	-	DEU	-	DEU
23792	106926	PI 399492	H. dist.	-	DEU	-	DEU
23793	106927	PI 399493	H. dist.	-	DEU	-	DEU
23794	106928	PI 399494	H. dist.	-	SWE	-	DEU
23795	106929	PI 399495	H. dist.	-	DEU	-	DEU
23796	106930	PI 399496	H. dist.	-	DEU	-	DEU

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
23797	106931	PI 399498	H. dist.	-	DEU	-	DEU
23798	106932	PI 399499	H. dist.	-	DEU	-	DEU
23799	106933	PI 399500	H. dist.	-	DEU	-	DEU
23800	106934	PI 399501	H. dist.	-	DEU	-	DEU
23801	106935	PI 399502	H. dist.	-	DEU	-	DEU
23802	106936	PI 399503	H. dist.	-	DEU	-	DEU
23803	106937	PI 399504	H. dist.	-	DEU	-	DEU
23804	106938	PI 399505	H. dist.	-	DEU	-	DEU
23805	106939	PI 399506	H. dist.	-	DEU	-	DEU
23806	106940	PI 399507	H. dist.	-	DEU	-	DEU
23807	106941	PI 399508	H. dist.	-	DEU	-	DEU
23808	106942	PI 401889	H. vulg.	MCU 3411	COL	-	COL
23809	106943	PI 401890	H. vulg.	MCU 3412	COL	-	COL
23810	106944	PI 401891	H. vulg.	MCU 3413	COL	-	COL
23811	106945	PI 401892	H. vulg.	MCU 3414	COL	-	COL
23812	106946	PI 401893	H. vulg.	MCU 3415	COL	-	COL
23813	106947	PI 401894	H. vulg.	MCU 3416	COL	-	COL
23814	106948	PI 401895	H. vulg.	MCU 3417	COL	-	COL
23815	106949	PI 401896	H. vulg.	MCU 3418	COL	-	COL
23816	106950	PI 401897	H. vulg.	MCU 3419	COL	-	COL
23817	106951	PI 401898	H. vulg.	MCU 3420	COL	-	COL
23818	106952	PI 401899	H. vulg.	MCU 3421	COL	-	COL
23819	106953	PI 401900	H. vulg.	MCU 3422	COL	-	COL
23820	106954	PI 401901	H. vulg.	MCU 3423	COL	-	COL
23821	106955	PI 401902	H. vulg.	MCU 3424	COL	-	COL
23822	106956	PI 401903	H. vulg.	MCU 3425	COL	-	COL
23823	106957	PI 401904	H. vulg.	MCU 3426	COL	-	COL
23824	106958	PI 401905	H. vulg.	MCU 3427	COL	-	COL
23825	106959	PI 401906	H. vulg.	MCU 3428	UNK	-	COL
23826	106960	PI 401907	H. vulg.	MCU 3429	UNK	-	COL
23827	106961	PI 401908	H. vulg.	MCU 3430	COL	-	COL
23828	106962	PI 401909	H. vulg.	MCU 3431	COL	-	COL
23829	106963	PI 401910	H. vulg.	MCU 3432	COL	-	COL
23830	106964	PI 401911	H. vulg.	MCU 3433	COL	-	COL
23831	106965	PI 401912	H. vulg.	MCU 3434	COL	-	COL
23832	106966	PI 401913	H. vulg.	MCU 3435	COL	-	COL
23833	106967	PI 401914	H. vulg.	MCU 3436	COL	-	COL
23834	106968	PI 401915	H. vulg.	MCU 3437	COL	-	COL
23835	106969	PI 401916	H. vulg.	MCU 3438	COL	-	COL
23836	106970	PI 401917	H. vulg.	MCU 3439	COL	-	COL
23837	106971	PI 401918	H. vulg.	MCU 3440	COL	-	COL
23838	106972	PI 401919	H. vulg.	MCU 3441	COL	-	COL
23839	106973	PI 401920	H. vulg.	MCU 3442	COL	-	COL
23840	106974	PI 401921	H. vulg.	MCU 3443	COL	-	COL
23841	106975	PI 401922	H. vulg.	MCU 3444	COL	-	COL
23842	106976	PI 401923	H. vulg.	MCU 3445	COL	-	COL
23843	106977	PI 401924	H. vulg.	MCU 3446	COL	-	COL
23844	106978	PI 401925	H. vulg.	MCU 3447	COL	-	COL
23845	106979	PI 401926	H. vulg.	MCU 3448	COL	-	COL
23846	106980	PI 401927	H. vulg.	MCU 3449	COL	-	COL
23847	106981	PI 401928	H. vulg.	MCU 3450	COL	-	COL
23848	106982	PI 401929	H. vulg.	MCU 3451	COL	-	COL
23849	106983	PI 401930	H. vulg.	MCU 3452	COL	-	COL
23850	106984	PI 401931	H. vulg.	MCU 3453	COL	-	COL
23851	106985	PI 401932	H. vulg.	MCU 3454	COL	-	COL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
23852	106986	PI 401933	H. vulg.	MCU 3455	COL	-	COL
23853	106987	PI 401934	H. vulg.	MCU 3456	COL	-	COL
23854	106988	PI 401935	H. vulg.	MCU 3457	COL	-	COL
23855	106989	PI 401936	H. vulg.	MCU 3458	COL	-	COL
23856	106990	PI 401937	H. vulg.	MCU 3459	COL	-	COL
23857	106991	PI 401938	H. vulg.	MCU 3460	COL	-	COL
23858	106992	PI 401939	H. vulg.	MCU 3461	COL	-	COL
23859	106993	PI 401940	H. vulg.	MCU 3462	COL	-	COL
23860	106994	PI 401941	H. vulg.	MCU 3463	COL	-	COL
23861	106995	PI 401942	H. vulg.	MCU 3464	COL	-	COL
23862	106996	PI 401943	H. vulg.	MCU 3465	COL	-	COL
23863	106997	PI 401944	H. vulg.	MCU 3466	COL	-	COL
23864	106998	PI 401945	H. vulg.	MCU 3467	COL	-	COL
23865	106999	PI 401946	H. vulg.	MCU 3468	COL	-	COL
23866	107000	PI 401947	H. vulg.	MCU 3469	COL	-	COL
23867	107001	PI 401948	H. vulg.	MCU 3470	COL	-	COL
23868	107002	PI 401949	H. vulg.	MCU 3471	COL	-	COL
23869	107003	PI 401950	H. vulg.	MCU 3472	COL	-	COL
23870	107004	PI 401951	H. vulg.	MCU 3473	COL	-	COL
23871	107005	PI 401952	H. vulg.	MCU 3474	COL	-	COL
23872	107006	PI 401953	H. vulg.	MCU 3475	COL	-	COL
23873	107007	PI 401954	H. vulg.	MCU 3476	COL	-	COL
23874	107008	PI 401955	H. vulg.	MCU 3477	COL	-	COL
23875	107009	PI 401956	H. vulg.	MCU 3478	COL	-	COL
23876	107010	PI 401957	H. vulg.	MCU 3479	COL	-	COL
23877	107011	PI 401958	H. vulg.	MCU 3480	COL	-	COL
23878	107012	PI 401959	H. vulg.	MCU 3481	COL	-	COL
23879	107013	PI 401960	H. vulg.	MCU 3482	COL	-	COL
23880	107014	PI 401961	H. vulg.	MCU 3483	COL	-	COL
23881	107015	PI 401962	H. vulg.	MCU 3484	COL	-	COL
23882	107016	PI 401963	H. vulg.	MCU 3485	COL	-	COL
23883	107017	PI 401964	H. vulg.	MCU 3486	COL	-	COL
23884	107018	PI 401965	H. vulg.	MCU 3487	COL	-	COL
23885	107019	PI 401966	H. vulg.	MCU 3488	COL	-	COL
23886	107020	PI 401967	H. vulg.	MCU 3489	COL	-	COL
23887	107021	PI 401968	H. vulg.	MCU 3490	COL	-	COL
23888	107022	PI 401969	H. vulg.	MCU 3491	COL	-	COL
23889	107023	PI 401970	H. vulg.	MCU 3492	COL	-	COL
23890	107024	PI 401971	H. vulg.	MCU 3493	COL	-	COL
23891	107025	PI 401972	H. vulg.	MCU 3494	COL	-	COL
23892	107026	PI 401973	H. vulg.	MCU 3495	COL	-	COL
23893	107027	PI 401974	H. vulg.	MCU 3496	COL	-	COL
23894	107028	PI 401975	H. vulg.	MCU 3497	COL	-	COL
23895	107029	PI 401976	H. vulg.	MCU 3498	COL	-	COL
23896	107030	PI 401977	H. vulg.	MCU 3499	COL	-	COL
23897	107031	PI 401978	H. vulg.	MCU 3500	COL	-	COL
23898	107032	PI 401979	H. vulg.	MCU 3501	COL	-	COL
23899	107033	PI 401980	H. vulg.	MCU 3502	COL	-	COL
23900	107034	PI 401981	H. vulg.	MCU 3503	COL	-	COL
23901	107035	PI 401982	H. vulg.	MCU 3504	COL	-	COL
23902	107036	PI 401983	H. vulg.	MCU 3505	COL	-	COL
23903	107037	PI 401985	H. vulg.	MCU 3507	COL	-	COL
23904	107038	PI 401986	H. vulg.	MCU 3508	COL	-	COL
23905	107039	PI 401987	H. vulg.	MCU 3509	COL	-	COL
23906	107040	PI 401988	H. vulg.	MCU 3510	COL	-	COL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
23907	107041	PI 401989	H. vulg.	MCU 3511	COL	-	COL
23908	107042	PI 401990	H. vulg.	MCU 3512	COL	-	COL
23909	107043	PI 401991	H. vulg.	MCU 3513	COL	-	COL
23910	107044	PI 401992	H. vulg.	MCU 3514	COL	-	COL
23911	107045	PI 401993	H. vulg.	MCU 3515	COL	-	COL
23912	107046	PI 401994	H. vulg.	MCU 3516	COL	-	COL
23913	107047	PI 401995	H. vulg.	MCU 3517	COL	-	COL
23914	107048	PI 401996	H. vulg.	MCU 3518	COL	-	COL
23915	107049	PI 401997	H. vulg.	MCU 3519	COL	-	COL
23916	107050	PI 401998	H. vulg.	MCU 3520	COL	-	COL
23917	107051	PI 401999	H. vulg.	MCU 3521	COL	-	COL
23918	107052	PI 402000	H. vulg.	MCU 3522	COL	-	COL
23919	107053	PI 402001	H. vulg.	MCU 3523	COL	-	COL
23920	107054	PI 402002	H. vulg.	MCU 3524	COL	-	COL
23921	107055	PI 402003	H. vulg.	MCU 3525	COL	-	COL
23922	107056	PI 402004	H. vulg.	MCU 3526	COL	-	COL
23923	107057	PI 402005	H. vulg.	MCU 3527	COL	-	COL
23924	107058	PI 402006	H. vulg.	MCU 3528	COL	-	COL
23925	107059	PI 402007	H. vulg.	MCU 3529	COL	-	COL
23926	107060	PI 402008	H. vulg.	MCU 3530	COL	-	COL
23927	107061	PI 402009	H. vulg.	MCU 3531	COL	-	COL
23928	107062	PI 402010	H. vulg.	MCU 3532	COL	-	COL
23929	107063	PI 402011	H. vulg.	MCU 3533	COL	-	COL
23930	107064	PI 402012	H. vulg.	MCU 3534	COL	-	COL
23931	107065	PI 402013	H. vulg.	MCU 3535	COL	-	COL
23932	107066	PI 402014	H. vulg.	MCU 3536	COL	-	COL
23933	107067	PI 402015	H. vulg.	MCU 3537	COL	-	COL
23934	107068	PI 402016	H. vulg.	MCU 3538	COL	-	COL
23935	107069	PI 402017	H. vulg.	MCU 3539	COL	-	COL
23936	107070	PI 402018	H. vulg.	MCU 3540	COL	-	COL
23937	107071	PI 402019	H. vulg.	MCU 3541	COL	-	COL
23938	107072	PI 402020	H. vulg.	MCU 3542	COL	-	COL
23939	107073	PI 402021	H. vulg.	MCU 3543	COL	-	COL
23940	107074	PI 402022	H. vulg.	MCU 3544	COL	-	COL
23941	107075	PI 402023	H. vulg.	MCU 3545	COL	-	COL
23942	107076	PI 402024	H. vulg.	MCU 3546	COL	-	COL
23943	107077	PI 402025	H. vulg.	MCU 3547	COL	-	COL
23944	107078	PI 402026	H. vulg.	MCU 3548	COL	-	COL
23945	107079	PI 402027	H. vulg.	MCU 3549	COL	-	COL
23946	107080	PI 402028	H. vulg.	MCU 3550	COL	-	COL
23947	107081	PI 402029	H. vulg.	MCU 3551	COL	-	COL
23948	107082	PI 402030	H. vulg.	MCU 3552	COL	-	COL
23949	107083	PI 402031	H. vulg.	MCU 3553	COL	-	COL
23950	107084	PI 402032	H. vulg.	MCU 3554	COL	-	COL
23951	107085	PI 402033	H. vulg.	MCU 3555	COL	-	COL
23952	107086	PI 402034	H. vulg.	MCU 3556	COL	-	COL
23953	107087	PI 402035	H. vulg.	MCU 3557	COL	-	COL
23954	107088	PI 402036	H. vulg.	MCU 3558	COL	-	COL
23955	107089	PI 402037	H. vulg.	MCU 3559	COL	-	COL
23956	107090	PI 402038	H. vulg.	MCU 3560	COL	-	COL
23957	107091	PI 402039	H. vulg.	MCU 3561	COL	-	COL
23958	107092	PI 402040	H. vulg.	MCU 3562	COL	-	COL
23959	107093	PI 402041	H. vulg.	MCU 3563	COL	-	COL
23960	107094	PI 402042	H. vulg.	MCU 3564	COL	-	COL
23961	107095	PI 402043	H. vulg.	MCU 3565	COL	-	COL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
23962	107096	PI 402044	H. vulg.	MCU 3566	COL	-	COL
23963	107097	PI 402045	H. vulg.	MCU 3567	COL	-	COL
23964	107098	PI 402046	H. vulg.	MCU 3568	COL	-	COL
23965	107099	PI 402047	H. vulg.	MCU 3569	COL	-	COL
23966	107100	PI 402048	H. vulg.	MCU 3570	COL	-	COL
23967	107101	PI 402049	H. vulg.	MCU 3571	COL	-	COL
23968	107102	PI 402050	H. vulg.	MCU 3572	COL	-	COL
23969	107103	PI 402051	H. vulg.	MCU 3573	COL	-	COL
23970	107104	PI 402052	H. vulg.	MCU 3574	COL	-	COL
23971	107105	PI 402053	H. vulg.	MCU 3575	COL	-	COL
23972	107106	PI 402054	H. vulg.	MCU 3576	COL	-	COL
23973	107107	PI 402055	H. vulg.	MCU 3577	COL	-	COL
23974	107108	PI 402056	H. vulg.	MCU 3578	COL	-	COL
23975	107109	PI 402057	H. vulg.	MCU 3579	COL	-	COL
23976	107110	PI 402058	H. vulg.	MCU 3580	COL	-	COL
23977	107111	PI 402059	H. vulg.	MCU 3581	COL	-	COL
23978	107112	PI 402060	H. vulg.	MCU 3582	COL	-	COL
23979	107113	PI 402061	H. vulg.	MCU 3583	COL	-	COL
23980	107114	PI 402062	H. vulg.	MCU 3584	COL	-	COL
23981	107115	PI 402064	H. vulg.	MCU 3586	COL	-	COL
23982	107116	PI 402065	H. vulg.	MCU 3587	COL	-	COL
23983	107117	PI 402066	H. vulg.	MCU 3588	COL	-	COL
23984	107118	PI 402067	H. vulg.	MCU 3589	COL	-	COL
23985	107119	PI 402068	H. vulg.	MCU 3590	COL	-	COL
23986	107120	PI 402069	H. vulg.	MCU 3591	COL	-	COL
23987	107121	PI 402070	H. vulg.	MCU 3592	COL	-	COL
23988	107122	PI 402071	H. vulg.	MCU 3593	COL	-	COL
23989	107123	PI 402072	H. vulg.	MCU 3594	COL	-	COL
23990	107124	PI 402073	H. vulg.	MCU 3595	COL	-	COL
23991	107125	PI 402074	H. vulg.	MCU 3596	COL	-	COL
23992	107126	PI 402075	H. vulg.	MCU 3597	COL	-	COL
23993	107127	PI 402076	H. vulg.	MCU 3598	COL	-	COL
23994	107128	PI 402077	H. vulg.	MCU 3599	COL	-	COL
23995	107129	PI 402078	H. vulg.	MCU 3600	COL	-	COL
23996	107130	PI 402079	H. vulg.	MCU 3601	COL	-	COL
23997	107131	PI 402080	H. vulg.	MCU 3602	COL	-	COL
23998	107132	PI 402082	H. vulg.	MCU 3604	COL	-	COL
23999	107133	PI 402083	H. vulg.	MCU 3605	COL	-	COL
24000	107134	PI 402084	H. vulg.	MCU 3606	COL	-	COL
24001	107135	PI 402086	H. vulg.	MCU 3608	COL	-	COL
24002	107136	PI 402087	H. vulg.	MCU 3609	COL	-	COL
24003	107137	PI 402088	H. vulg.	MCU 3610	COL	-	COL
24004	107138	PI 402089	H. vulg.	MCU 3611	COL	-	COL
24005	107139	PI 402090	H. vulg.	MCU 3612	COL	-	COL
24006	107140	PI 402091	H. vulg.	MCU 3613	COL	-	COL
24007	107141	PI 402092	H. vulg.	MCU 3614	COL	-	COL
24008	107142	PI 402093	H. vulg.	MCU 3615	COL	-	COL
24009	107143	PI 402094	H. vulg.	MCU 3616	COL	-	COL
24010	107144	PI 402095	H. vulg.	MCU 3617	COL	-	COL
24011	107145	PI 402096	H. vulg.	MCU 3618	COL	-	COL
24012	107146	PI 402097	H. vulg.	MCU 3620	COL	-	COL
24013	107147	PI 402099	H. vulg.	MCU 3621	COL	-	COL
24014	107148	PI 402100	H. vulg.	MCU 3622	COL	-	COL
24015	107149	PI 402101	H. vulg.	MCU 3623	COL	-	COL
24016	107150	PI 402102	H. vulg.	MCU 3624	COL	-	COL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
24017	107151	PI 402103	H. vulg.	MCU 3625	COL	-	COL
24018	107152	PI 402104	H. vulg.	MCU 3626	COL	-	COL
24019	107153	PI 402105	H. vulg.	MCU 3627	COL	-	COL
24020	107154	PI 402106	H. vulg.	MCU 3628	COL	-	COL
24021	107155	PI 402108	H. vulg.	MCU 3630	COL	-	COL
24022	107156	PI 402109	H. vulg.	MCU 3631	COL	-	COL
24023	107157	PI 402110	H. vulg.	MCU 3632	COL	-	COL
24024	107158	PI 402111	H. vulg.	MCU 3633	COL	-	COL
24025	107159	PI 402112	H. vulg.	MCU 3634	COL	-	COL
24026	107160	PI 402113	H. vulg.	MCU 3635	COL	-	COL
24027	107161	PI 402114	H. vulg.	MCU 3636	COL	-	COL
24028	107162	PI 402115	H. vulg.	MCU 3637	COL	-	COL
24029	107163	PI 402116	H. vulg.	MCU 3638	COL	-	COL
24030	107164	PI 402117	H. vulg.	MCU 3639	COL	-	COL
24031	107165	PI 402118	H. vulg.	MCU 3640	COL	-	COL
24032	107166	PI 402119	H. vulg.	MCU 3641	COL	-	COL
24033	107167	PI 402120	H. vulg.	MCU 3642	COL	-	COL
24034	107168	PI 402121	H. vulg.	MCU 3643	COL	-	COL
24035	107169	PI 402122	H. vulg.	MCU 3644	COL	-	COL
24036	107170	PI 402123	H. vulg.	MCU 3645	COL	-	COL
24037	107171	PI 402125	H. vulg.	MCU 3647	COL	-	COL
24038	107172	PI 402127	H. vulg.	MCU 3649	COL	-	COL
24039	107173	PI 402128	H. vulg.	MCU 3650	COL	-	COL
24040	107174	PI 402129	H. vulg.	MCU 3651	COL	-	COL
24041	107175	PI 402130	H. vulg.	MCU 3652	COL	-	COL
24042	107176	PI 402131	H. vulg.	MCU 3653	COL	-	COL
24043	107177	PI 402132	H. vulg.	MCU 3654	COL	-	COL
24044	107178	PI 402133	H. vulg.	MCU 3655	COL	-	COL
24045	107179	PI 402134	H. vulg.	MCU 3656	COL	-	COL
24046	107180	PI 402135	H. vulg.	MCU 3657	COL	-	COL
24047	107181	PI 402136	H. vulg.	MCU 3658	COL	-	COL
24048	107182	PI 402137	H. vulg.	MCU 3659	COL	-	COL
24049	107183	PI 402138	H. vulg.	MCU 3660	COL	-	COL
24050	107184	PI 402139	H. vulg.	MCU 3661	COL	-	COL
24051	107185	PI 402140	H. vulg.	MCU 3662	COL	-	COL
24052	107186	PI 402141	H. vulg.	MCU 3663	COL	-	COL
24053	107187	PI 402142	H. vulg.	MCU 3664	COL	-	COL
24054	107188	PI 402143	H. vulg.	MCU 3665	COL	-	COL
24055	107189	PI 402144	H. vulg.	MCU 3666	COL	-	COL
24056	107190	PI 402146	H. vulg.	MCU 3668	COL	-	COL
24057	107191	PI 402147	H. vulg.	MCU 3669	COL	-	COL
24058	107192	PI 402148	H. vulg.	MCU 3670	COL	-	COL
24059	107193	PI 402149	H. vulg.	MCU 3671	COL	-	COL
24060	107194	PI 402150	H. vulg.	MCU 3672	COL	-	COL
24061	107195	PI 402151	H. vulg.	MCU 3673	COL	-	COL
24062	107196	PI 402152	H. vulg.	MCU 3674	COL	-	COL
24063	107197	PI 402153	H. vulg.	MCU 3675	COL	-	COL
24064	107198	PI 402154	H. vulg.	MCU 3676	COL	-	COL
24065	107199	PI 402155	H. vulg.	MCU 3677	COL	-	COL
24066	107200	PI 402156	H. vulg.	MCU 3678	COL	-	COL
24067	107201	PI 402157	H. vulg.	MCU 3679	COL	-	COL
24068	107202	PI 402158	H. vulg.	MCU 3680	COL	-	COL
24069	107203	PI 402159	H. vulg.	MCU 3681	COL	-	COL
24070	107204	PI 402160	H. vulg.	MCU 3682	COL	-	COL
24071	107205	PI 402161	H. vulg.	MCU 3683	COL	-	COL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
24072	107206	PI 402162	H. vulg.	MCU 3684	COL	-	COL
24073	107207	PI 402163	H. vulg.	MCU 3685	COL	-	COL
24074	107208	PI 402166	H. vulg.	MCU 3688	COL	-	COL
24075	107209	PI 402167	H. vulg.	MCU 3689	COL	-	COL
24076	107210	PI 402168	H. vulg.	MCU 3690	COL	-	COL
24077	107211	PI 402169	H. vulg.	MCU 3691	COL	-	COL
24078	107212	PI 402170	H. vulg.	MCU 3692	COL	-	COL
24079	107213	PI 402171	H. vulg.	MCU 3693	COL	-	COL
24080	107214	PI 402172	H. vulg.	MCU 3694	COL	-	COL
24081	107215	PI 402173	H. vulg.	MCU 3695	COL	-	COL
24082	107216	PI 402174	H. vulg.	MCU 3696	COL	-	COL
24083	107217	PI 402175	H. vulg.	MCU 3697	COL	-	COL
24084	107218	PI 402176	H. vulg.	MCU 3698	COL	-	COL
24085	107219	PI 402177	H. vulg.	MCU 3699	COL	-	COL
24086	107220	PI 402178	H. vulg.	MCU 3700	COL	-	COL
24087	107221	PI 402179	H. vulg.	MCU 3701	COL	-	COL
24088	107222	PI 402180	H. vulg.	MCU 3702	COL	-	COL
24089	107223	PI 402181	H. vulg.	MCU 3703	COL	-	COL
24090	107224	PI 402182	H. vulg.	MCU 3704	COL	-	COL
24091	107225	PI 402183	H. vulg.	MCU 3705	COL	-	COL
24092	107226	PI 402184	H. vulg.	MCU 3706	COL	-	COL
24093	107227	PI 402185	H. vulg.	MCU 3707	COL	-	COL
24094	107228	PI 402186	H. vulg.	MCU 3708	COL	-	COL
24095	107229	PI 402187	H. vulg.	MCU 3709	COL	-	COL
24096	107230	PI 402188	H. vulg.	MCU 3710	COL	-	COL
24097	107231	PI 402189	H. vulg.	MCU 3711	COL	-	COL
24098	107232	PI 402190	H. vulg.	MCU 3712	COL	-	COL
24099	107233	PI 402191	H. vulg.	MCU 3713	COL	-	COL
24100	107234	PI 402192	H. vulg.	MCU 3714	COL	-	COL
24101	107235	PI 402193	H. vulg.	MCU 3715	COL	-	COL
24102	107236	PI 402194	H. vulg.	MCU 3716	COL	-	COL
24103	107237	PI 402195	H. vulg.	MCU 3717	COL	-	COL
24104	107238	PI 402196	H. vulg.	MCU 3718	COL	-	COL
24105	107239	PI 402197	H. vulg.	MCU 3719	COL	-	COL
24106	107240	PI 402198	H. vulg.	MCU 3720	COL	-	COL
24107	107241	PI 402199	H. vulg.	MCU 3721	COL	-	COL
24108	107242	PI 402200	H. vulg.	MCU 3722	COL	-	COL
24109	107243	PI 402201	H. vulg.	MCU 3723	COL	-	COL
24110	107244	PI 402202	H. vulg.	MCU 3724	COL	-	COL
24111	107245	PI 402203	H. vulg.	MCU 3725	COL	-	COL
24112	107246	PI 402204	H. vulg.	MCU 3726	COL	-	COL
24113	107247	PI 402205	H. vulg.	MCU 3727	COL	-	COL
24114	107248	PI 402206	H. vulg.	MCU 3728	COL	-	COL
24115	107249	PI 402207	H. vulg.	MCU 3729	COL	-	COL
24116	107250	PI 402208	H. vulg.	MCU 3730	COL	-	COL
24117	107251	PI 402209	H. vulg.	MCU 3731	COL	-	COL
24118	107252	PI 402210	H. vulg.	MCU 3732	COL	-	COL
24119	107253	PI 402211	H. vulg.	MCU 3733	COL	-	COL
24120	107254	PI 402212	H. vulg.	MCU 3734	COL	-	COL
24121	107255	PI 402213	H. vulg.	MCU 3735	COL	-	COL
24122	107256	PI 402214	H. vulg.	MCU 3736	COL	-	COL
24123	107257	PI 402215	H. vulg.	MCU 3737	COL	-	COL
24124	107258	PI 402216	H. vulg.	MCU 3738	COL	-	COL
24125	107259	PI 402217	H. vulg.	MCU 3739	COL	-	COL
24126	107260	PI 402218	H. vulg.	MCU 3740	COL	-	COL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
24127	107261	PI 402219	H. vulg.	MCU 3741	COL	-	COL
24128	107262	PI 402220	H. vulg.	MCU 3742	COL	-	COL
24129	107263	PI 402221	H. vulg.	MCU 3743	COL	-	COL
24130	107264	PI 402223	H. vulg.	MCU 3745	COL	-	COL
24131	107265	PI 402224	H. vulg.	MCU 3746	COL	-	COL
24132	107266	PI 402225	H. vulg.	MCU 3747	COL	-	COL
24133	107267	PI 402226	H. vulg.	MCU 3748	COL	-	COL
24134	107268	PI 402227	H. vulg.	MCU 3749	COL	-	COL
24135	107269	PI 402228	H. vulg.	MCU 3750	COL	-	COL
24136	107270	PI 402229	H. vulg.	MCU 3751	COL	-	COL
24137	107271	PI 402230	H. vulg.	MCU 3752	COL	-	COL
24138	107272	PI 402231	H. vulg.	MCU 3753	COL	-	COL
24139	107273	PI 402232	H. vulg.	MCU 3754	COL	-	COL
24140	107274	PI 402233	H. vulg.	MCU 3755	COL	-	COL
24141	107275	PI 402234	H. vulg.	MCU 3756	COL	-	COL
24142	107276	PI 402235	H. vulg.	MCU 3757	COL	-	COL
24143	107277	PI 402236	H. vulg.	MCU 3758	COL	-	COL
24144	107278	PI 402237	H. vulg.	MCU 3759	COL	-	COL
24145	107279	PI 402238	H. vulg.	MCU 3760	COL	-	COL
24146	107280	PI 402239	H. vulg.	MCU 3761	COL	-	COL
24147	107281	PI 402341	H. vulg.	MCU 3763	COL	-	COL
24148	107282	PI 402342	H. vulg.	MCU 3764	COL	-	COL
24149	107283	PI 402243	H. vulg.	MCU 3765	COL	-	COL
24150	107284	PI 402244	H. vulg.	MCU 3766	COL	-	COL
24151	107285	PI 402245	H. vulg.	MCU 3767	COL	-	COL
24152	107286	PI 402246	H. vulg.	MCU 3768	COL	-	COL
24153	107287	PI 402247	H. vulg.	MCU 3769	COL	-	COL
24154	107288	PI 402248	H. vulg.	MCU 3770	COL	-	COL
24155	107289	PI 402249	H. vulg.	MCU 3771	COL	-	COL
24156	107290	PI 402251	H. vulg.	MCU 3773	COL	-	COL
24157	107291	PI 402252	H. vulg.	MCU 3774	COL	-	COL
24158	107292	PI 402253	H. vulg.	MCU 3775	COL	-	COL
24159	107293	PI 402254	H. vulg.	MCU 3776	COL	-	COL
24160	107294	PI 402255	H. vulg.	MCU 3777	COL	-	COL
24161	107295	PI 402256	H. vulg.	MCU 3778	COL	-	COL
24162	107296	PI 402257	H. vulg.	MCU 3779	COL	-	COL
24163	107297	PI 402258	H. vulg.	MCU 3780	COL	-	COL
24164	107298	PI 402259	H. vulg.	MCU 3781	COL	-	COL
24165	107299	PI 402260	H. vulg.	MCU 3782	COL	-	COL
24166	107300	PI 402261	H. vulg.	MCU 3783	COL	-	COL
24167	107301	PI 402262	H. vulg.	MCU 3784	COL	-	COL
24168	107302	PI 402263	H. vulg.	MCU 3785	COL	-	COL
24169	107303	PI 402264	H. vulg.	MCU 3786	COL	-	COL
24170	107304	PI 402265	H. vulg.	MCU 3787	COL	-	COL
24171	107305	PI 402266	H. vulg.	MCU 3788	COL	-	COL
24172	107306	PI 402267	H. vulg.	MCU 3789	COL	-	COL
24173	107307	PI 402268	H. vulg.	MCU 3790	COL	-	COL
24174	107308	PI 402269	H. vulg.	MCU 3791	COL	-	COL
24175	107309	PI 402270	H. vulg.	MCU 3792	COL	-	COL
24176	107310	PI 402271	H. vulg.	MCU 3793	COL	-	COL
24177	107311	PI 402272	H. vulg.	MCU 3794	COL	-	COL
24178	107312	PI 402273	H. vulg.	MCU 3795	COL	-	COL
24179	107313	PI 402274	H. vulg.	MCU 3796	COL	-	COL
24180	107314	PI 402275	H. vulg.	MCU 3797	COL	-	COL
24182	107315	PI 402276	H. vulg.	MCU 3798	COL	-	COL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
24183	107316	PI 402277	H. vulg.	MCU 3799	COL	-	COL
24184	107317	PI 402278	H. vulg.	MCU 3800	COL	-	COL
24185	107318	PI 402279	H. vulg.	MCU 3801	COL	-	COL
24186	107319	PI 402280	H. vulg.	MCU 3802	COL	-	COL
24187	107320	PI 402281	H. vulg.	MCU 3803	COL	-	COL
24188	107321	PI 402282	H. vulg.	MCU 3804	COL	-	COL
24189	107322	PI 402283	H. vulg.	MCU 3805	COL	-	COL
24190	107323	PI 402285	H. vulg.	MCU 3807	COL	-	COL
24191	107324	PI 402286	H. vulg.	MCU 3808	COL	-	COL
24192	107325	PI 402287	H. vulg.	MCU 3809	COL	-	COL
24193	107326	PI 402288	H. vulg.	MCU 3810	COL	-	COL
24194	107327	PI 402289	H. vulg.	MCU 3811	COL	-	COL
24195	107328	PI 402290	H. vulg.	MCU 3812	COL	-	COL
24196	107329	PI 402291	H. vulg.	MCU 3813	COL	-	COL
24197	107330	PI 402292	H. vulg.	MCU 3814	COL	-	COL
24198	107331	PI 402293	H. vulg.	MCU 3815	COL	-	COL
24199	107332	PI 402294	H. vulg.	MCU 3816	COL	-	COL
24200	107333	PI 402295	H. vulg.	MCU 3817	COL	-	COL
24201	107334	PI 402296	H. vulg.	MCU 3818	COL	-	COL
24202	107335	PI 402297	H. vulg.	MCU 3819	COL	-	COL
24203	107336	PI 402298	H. vulg.	MCU 3820	COL	-	COL
24204	107337	PI 402299	H. vulg.	MCU 3821	COL	-	COL
24205	107338	PI 402300	H. vulg.	MCU 3822	COL	-	COL
24206	107339	PI 402301	H. vulg.	MCU 3823	COL	-	COL
24207	107340	PI 402302	H. vulg.	MCU 3824	COL	-	COL
24208	107341	PI 402303	H. vulg.	MCU 3825	COL	-	COL
24209	107342	PI 402304	H. vulg.	MCU 3826	COL	-	COL
24210	107343	PI 402305	H. vulg.	MCU 3827	COL	-	COL
24211	107344	PI 402306	H. vulg.	MCU 3828	COL	-	COL
24212	107345	PI 402307	H. vulg.	MCU 3829	COL	-	COL
24213	107346	PI 402308	H. vulg.	MCU 3830	COL	-	COL
24214	107347	PI 402309	H. vulg.	MCU 3831	COL	-	COL
24215	107348	PI 402310	H. vulg.	MCU 3832	COL	-	COL
24216	107349	PI 402311	H. vulg.	MCU 3833	COL	-	COL
24217	107350	PI 402312	H. vulg.	MCU 3834	COL	-	COL
24218	107351	PI 402313	H. vulg.	MCU 3835	COL	-	COL
24219	107352	PI 402314	H. vulg.	MCU 3836	COL	-	COL
24220	107353	PI 402315	H. vulg.	MCU 3837	COL	-	COL
24221	107354	PI 402316	H. vulg.	MCU 3838	COL	-	COL
24222	107355	PI 402317	H. vulg.	MCU 3839	COL	-	COL
24223	107356	PI 402319	H. vulg.	MCU 3841	COL	-	COL
24224	107357	PI 402320	H. vulg.	MCU 3842	COL	-	COL
24225	107358	PI 402321	H. vulg.	MCU 3843	COL	-	COL
24226	107359	PI 402322	H. vulg.	MCU 3844	COL	-	COL
24227	107360	PI 402323	H. vulg.	MCU 3845	COL	-	COL
24228	107361	PI 402324	H. vulg.	MCU 3846	COL	-	COL
24229	107362	PI 402325	H. vulg.	MCU 3847	COL	-	COL
24230	107363	PI 402326	H. vulg.	MCU 3848	COL	-	COL
24231	107364	PI 402327	H. vulg.	MCU 3849	COL	-	COL
24231	107365	PI 402328	H. vulg.	MCU 3850	COL	-	COL
24232	107366	PI 402329	H. vulg.	MCU 3851	COL	-	COL
24233	107367	PI 402330	H. vulg.	MCU 3852	COL	-	COL
24234	107368	PI 402331	H. vulg.	MCU 3853	COL	-	COL
24235	107369	PI 402332	H. vulg.	MCU 3854	COL	-	COL
24236	107370	PI 402334	H. vulg.	MCU 3856	COL	-	COL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
24237	107371	PI 402335	H. vulg.	MCU 3857	COL	-	COL
24238	107372	PI 402336	H. vulg.	MCU 3858	COL	-	COL
24239	107373	PI 402337	H. vulg.	MCU 3859	COL	-	COL
24240	107374	PI 402338	H. vulg.	MCU 3860	COL	-	COL
24241	107375	PI 402339	H. vulg.	MCU 3961	COL	-	COL
24242	107376	PI 402340	H. vulg.	MCU 3862	COL	-	COL
24243	107377	PI 402341	H. vulg.	MCU 3863	COL	-	COL
24244	107378	PI 402342	H. vulg.	MCU 3964	COL	-	COL
24245	107379	PI 402343	H. vulg.	MCU 3865	COL	-	COL
24246	107380	PI 402346	H. vulg.	MCU 3868	COL	-	COL
24247	107381	PI 402347	H. vulg.	MCU 3869	COL	-	COL
24248	107382	PI 402348	H. vulg.	MCU 3870	COL	-	COL
24249	107383	PI 402350	H. vulg.	MCU 3872	COL	-	COL
24250	107384	PI 402351	H. vulg.	MCU 3873	COL	-	COL
24251	107385	PI 402352	H. vulg.	MCU 3874	COL	-	COL
24252	107386	PI 402353	H. vulg.	MCU 3875	COL	-	COL
24253	107387	PI 402354	H. vulg.	MCU 3876	COL	-	COL
24254	107388	PI 402355	H. vulg.	MCU 3877	COL	-	COL
24255	107389	PI 402356	H. vulg.	MCU 3878	COL	-	COL
24256	107390	PI 402357	H. vulg.	MCU 3879	COL	-	COL
24257	107391	PI 402358	H. vulg.	MCU 3880	COL	-	COL
24258	107392	PI 402360	H. vulg.	MCU 3882	COL	-	COL
24259	107393	PI 402361	H. vulg.	MCU 3883	COL	-	COL
24260	107394	PI 402362	H. vulg.	MCU 3884	COL	-	COL
24261	107395	PI 402363	H. vulg.	MCU 3885	COL	-	COL
24262	107396	PI 402364	H. vulg.	MCU 3886	COL	-	COL
24263	107397	PI 402365	H. vulg.	MCU 3887	COL	-	COL
24264	107398	PI 402366	H. vulg.	MCU 3888	COL	-	COL
24265	107399	PI 402367	H. vulg.	MCU 3889	COL	-	COL
24266	107400	PI 402368	H. vulg.	MCU 3890	COL	-	COL
24267	107401	PI 402369	H. vulg.	MCU 3891	COL	-	COL
24268	107402	PI 402370	H. vulg.	MCU 3892	COL	-	COL
24269	107403	PI 402371	H. vulg.	MCU 3893	COL	-	COL
24270	107404	PI 402372	H. vulg.	MCU 3894	COL	-	COL
24271	107405	PI 402373	H. vulg.	MCU 3895	COL	-	COL
24272	107406	PI 402374	H. vulg.	MCU 3896	COL	-	COL
24273	107407	PI 402375	H. vulg.	MCU 3897	COL	-	COL
24274	107408	PI 402376	H. vulg.	MCU 3898	COL	-	COL
24275	107409	PI 402377	H. vulg.	MCU 3899	COL	-	COL
24276	107410	PI 402378	H. vulg.	MCU 3900	COL	-	COL
24277	107411	PI 402379	H. vulg.	MCU 3901	COL	-	COL
24278	107412	PI 402380	H. vulg.	MCU 3902	COL	-	COL
24279	107413	PI 402381	H. vulg.	MCU 3903	COL	-	COL
24280	107414	PI 402383	H. vulg.	MCU 3905	COL	-	COL
24281	107415	PI 402384	H. vulg.	MCU 3906	COL	-	COL
24282	107416	PI 402386	H. vulg.	MCU 3908	COL	-	COL
24283	107417	PI 402387	H. vulg.	MCU 3909	COL	-	COL
24284	107418	PI 402388	H. vulg.	MCU 3910	COL	-	COL
24285	107419	PI 402389	H. vulg.	MCU 3911	COL	-	COL
24286	107420	PI 402390	H. vulg.	MCU 3912	COL	-	COL
24287	107421	PI 402391	H. vulg.	MCU 3913	COL	-	COL
24288	107422	PI 402392	H. vulg.	MCU 3914	COL	-	COL
24289	107423	PI 402393	H. vulg.	MCU 3915	COL	-	COL
24290	107424	PI 402394	H. vulg.	MCU 3916	COL	-	COL
24291	107425	PI 402395	H. vulg.	MCU 3917	COL	-	COL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
24292	107426	PI 402396	H. vulg.	MCU 3918	COL	-	COL
24293	107427	PI 402397	H. vulg.	MCU 3919	COL	-	COL
24294	107428	PI 402398	H. vulg.	MCU 3920	COL	-	COL
24295	107429	PI 402399	H. vulg.	MCU 3921	COL	-	COL
24296	107430	PI 402400	H. vulg.	MCU 3922	COL	-	COL
24297	107431	PI 402401	H. vulg.	MCU 3923	COL	-	COL
24298	107432	PI 402402	H. vulg.	MCU 3924	COL	-	COL
24299	107433	PI 402403	H. vulg.	MCU 3925	COL	-	COL
24300	107434	PI 402404	H. vulg.	MCU 3926	COL	-	COL
24301	107435	PI 402405	H. vulg.	MCU 3927	COL	-	COL
24302	107436	PI 402406	H. vulg.	MCU 3928	COL	-	COL
24303	107437	PI 402407	H. vulg.	MCU 3929	COL	-	COL
24304	107438	PI 402408	H. vulg.	MCU 3930	COL	-	COL
24305	107439	PI 402409	H. vulg.	MCU 3931	COL	-	COL
24306	107440	PI 402410	H. vulg.	MCU 3932	COL	-	COL
24307	107441	PI 402411	H. vulg.	MCU 3933	COL	-	COL
24308	107442	PI 402412	H. vulg.	MCU 3934	COL	-	COL
24309	107443	PI 402413	H. vulg.	MCU 3935	COL	-	COL
24310	107444	PI 402414	H. vulg.	MCU 3936	COL	-	COL
24311	107445	PI 402415	H. vulg.	MCU 3937	COL	-	COL
24312	107446	PI 402416	H. vulg.	MCU 3938	COL	-	COL
24313	107447	PI 402417	H. vulg.	MCU 3939	COL	-	COL
24314	107448	PI 402418	H. vulg.	MCU 3940	COL	-	COL
24315	107449	PI 402419	H. vulg.	MCU 3941	COL	-	COL
24316	107450	PI 402420	H. vulg.	MCU 3942	COL	-	COL
24317	107451	PI 402421	H. vulg.	MCU 3943	COL	-	COL
24318	107452	PI 402422	H. vulg.	MCU 3944	COL	-	COL
24319	107453	PI 402423	H. vulg.	MCU 3945	COL	-	COL
24320	107454	PI 402424	H. vulg.	MCU 3946	COL	-	COL
24321	107455	PI 402425	H. vulg.	MCU 3947	COL	-	COL
24322	107456	PI 402426	H. vulg.	MCU 3948	COL	-	COL
24323	107457	PI 402427	H. vulg.	MCU 3949	COL	-	COL
24324	107458	PI 402428	H. vulg.	MCU 3950	COL	-	COL
24325	107459	PI 402429	H. vulg.	MCU 3951	COL	-	COL
24326	107460	PI 402430	H. vulg.	MCU 3952	COL	-	COL
24327	107461	PI 402431	H. vulg.	MCU 3953	COL	-	COL
24328	107462	PI 402432	H. vulg.	MCU 3954	COL	-	COL
24329	107463	PI 402433	H. vulg.	MCU 3955	COL	-	COL
24330	107464	PI 402434	H. vulg.	MCU 3956	COL	-	COL
24331	107465	PI 402435	H. vulg.	MCU 3957	COL	-	COL
24332	107466	PI 402436	H. vulg.	MCU 3958	COL	-	COL
24333	107467	PI 402437	H. vulg.	MCU 3959	COL	-	COL
24334	107468	PI 402438	H. vulg.	MCU 3960	COL	-	COL
24335	107469	PI 402439	H. vulg.	MCU 3961	COL	-	COL
24336	107470	PI 402440	H. vulg.	MCU 3962	COL	-	COL
24337	107471	PI 402441	H. vulg.	MCU 3963	COL	-	COL
24338	107472	PI 402442	H. vulg.	MCU 3964	COL	-	COL
24339	107473	PI 402443	H. vulg.	MCU 3965	COL	-	COL
24340	107474	PI 402444	H. vulg.	MCU 3966	COL	-	COL
24341	107475	PI 402447	H. vulg.	MCU 3969	COL	-	COL
24342	107476	PI 402448	H. vulg.	MCU 3970	COL	-	COL
24343	107477	PI 402449	H. vulg.	MCU 3971	COL	-	COL
24344	107478	PI 402450	H. vulg.	MCU 3972	COL	-	COL
24345	107479	PI 402451	H. vulg.	MCU 3973	COL	-	COL
24346	107480	PI 402452	H. vulg.	MCU 3974	COL	-	COL

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
24347	107481	PI 402453	H. vulg.	MCU 3975	COL	-	COL
24348	107482	PI 402454	H. vulg.	MCU 3976	COL	-	COL
24349	107483	PI 402455	H. vulg.	MCU 3977	COL	-	COL
24350	107484	PI 402456	H. vulg.	MCU 3978	COL	-	COL
24351	107485	PI 402457	H. vulg.	MCU 3979	COL	-	COL
24352	107486	PI 402458	H. vulg.	MCU 3980	COL	-	COL
24353	107487	PI 402459	H. vulg.	MCU 3981	COL	-	COL
24354	107488	PI 402460	H. vulg.	MCU 3982	COL	-	COL
24355	107489	PI 402461	H. vulg.	MCU 3983	COL	-	COL
24356	107490	PI 402463	H. vulg.	MCU 3985	COL	-	COL
24357	107491	PI 402468	H. vulg.	MCU 3990	COL	-	COL
24358	107492	PI 402469	H. vulg.	MCU 3991	COL	-	COL
24359	107493	PI 402470	H. vulg.	MCU 3992	COL	-	COL
24360	107494	PI 402471	H. vulg.	MCU 3993	COL	-	COL
24361	107495	PI 402472	H. vulg.	MCU 3994	COL	-	COL
24362	107496	PI 402473	H. vulg.	MCU 3995	COL	-	COL
24363	107497	PI 402474	H. vulg.	MCU 3996	COL	-	COL
24364	107498	PI 402475	H. vulg.	MCU 3997	COL	-	COL
24365	107499	PI 402476	H. vulg.	MCU 3998	COL	-	COL
24366	107500	PI 402477	H. vulg.	MCU 3999	COL	-	COL
24367	107501	PI 402478	H. vulg.	MCU 4000	COL	-	COL
24368	107502	PI 402479	H. vulg.	MCU 4001	COL	-	COL
24369	107503	PI 402481	H. vulg.	MCU 4003	COL	-	COL
24370	107504	PI 402482	H. vulg.	MCU 4004	COL	-	COL
24371	107505	PI 402483	H. vulg.	MCU 4005	COL	-	COL
24372	107506	PI 402484	H. vulg.	MCU 4006	COL	-	COL
24373	107507	PI 402485	H. vulg.	MCU 4007	COL	-	COL
24374	107508	PI 402486	H. vulg.	MCU 4008	COL	-	COL
24375	107509	PI 402487	H. vulg.	MCU 4009	COL	-	COL
24376	107510	PI 402488	H. vulg.	MCU 4010	COL	-	COL
24377	107511	PI 403973	H. vulg.	NB-A1	NPL	-	NPL
24378	107512	PI 403975	H. vulg.	NB-A3	NPL	-	NPL
24379	107513	PI 403976	H. vulg.	NB-A4	NPL	-	NPL
24380	107514	PI 403977	H. vulg.	NB-A5	NPL	-	NPL
24381	107515	PI 403979	H. vulg.	NB-A7	NPL	-	NPL
24382	107516	PI 403980	H. vulg.	NB 1003\3	NPL	-	NPL
24383	107517	PI 403981	H. vulg.	NB 1003\37	NPL	-	NPL
24384	107518	PI 403982	H. vulg.	NB 1003\11	NPL	-	NPL
24385	107519	PI 403983	H. vulg.	NB 1003\47	NPL	-	NPL
24386	107520	PI 403984	H. vulg.	NB 1003\53	NPL	-	NPL
24387	107521	PI 403985	H. vulg.	NB 1003\59	NPL	-	NPL
24388	107522	PI 403986	H. vulg.	NB 1003\64	NPL	-	NPL
24389	107523	PI 403987	H. vulg.	NB 1003\68	NPL	-	NPL
24390	107524	PI 403988	H. vulg.	NB 1003\86	NPL	-	NPL
24391	107525	PI 403989	H. vulg.	NB 1003\88	NPL	-	NPL
24392	107526	PI 403990	H. vulg.	NB 1003\89	NPL	-	NPL
24393	107527	PI 403991	H. vulg.	NB 1003\91	NPL	-	NPL
24394	107528	PI 403992	H. vulg.	NB 1003\108	NPL	-	NPL
24395	107529	PI 403993	H. vulg.	NB 1003\109	NPL	-	NPL
24396	107530	PI 404097	H. vulg.	-	IND	Himachal Poade	IND
24397	107531	PI 404202	H. vulg.	IPI-K 19829	SUN	Krasnodar	SUN
24398	107532	PI 404203	H. vulg.	IPI-K 19928	SUN	Krasnodar	SUN
24399	107533	PI 404204	H. vulg.	IPI-K 20329	SUN	Ukraine	SUN
24400	107534	PI 404205	H. vulg.	IPI-K 20919	SUN	Byelorussia	SUN
24404	107535	PI 404597	H. vulg.	-	UNK	-	DEU

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
24402	107536	PI 405741	H. vulg.	IV\49			
24403	107537	PI 405742	H. vulg.	IV\50	YUG	Macedonia	YUG
24404	107538	PI 405743	H. vulg.	IV\51	YUG	Macedonia	YUG
24405	107539	PI 405744	H. vulg.	IV\52	YUG	Macedonia	YUG
24406	107540	PI 405745	H. vulg.	IV\53	YUG	Macedonia	YUG
24407	107541	PI 405746	H. vulg.	IV\54			
24408	107542	PI 405747	H. vulg.	IV\55	YUG	Macedonia	YUG
24409	107543	PI 405748	H. vulg.	IV\56	YUG	Macedonia	YUG
24410	107544	PI 405749	H. vulg.	IV\57	YUG	Macedonia	YUG
24411	107545	PI 405750	H. vulg.	IV\58	YUG	Macedonia	YUG
24412	107546	PI 405751	H. vulg.	IV\59			
24413	107547	PI 405752	H. vulg.	IV\60	YUG	Macedonia	YUG
24414	107548	PI 405753	H. vulg.	IV\61	YUG	Macedonia	YUG
24415	107549	PI 405754	H. vulg.	IV\62	YUG	Macedonia	YUG
24416	107550	PI 405755	H. vulg.	IV\63	YUG	Macedonia	YUG
24417	107551	PI 405756	H. vulg.	IV\64			
24418	107552	PI 405757	H. vulg.	IV\65	YUG	Macedonia	YUG
24419	107553	PI 405758	H. vulg.	IV\66	YUG	Macedonia	YUG
24420	107554	PI 405759	H. vulg.	IV\67	YUG	Macedonia	YUG
24421	107555	PI 405760	H. vulg.	IV\68	YUG	Macedonia	YUG
24422	107556	PI 405761	H. vulg.	IV\69			
24423	107557	PI 405762	H. vulg.	IV\70	YUG	Macedonia	YUG
24424	107558	PI 405763	H. vulg.	IV\71	YUG	Macedonia	YUG
24425	107559	PI 405764	H. vulg.	IV\72	YUG	Macedonia	YUG
24426	107560	PI 405765	H. vulg.	IV\73	YUG	Macedonia	YUG
24427	107561	PI 405766	H. vulg.	IV\74			
24428	107562	PI 405767	H. vulg.	IV\75	YUG	Macedonia	YUG
24429	107563	PI 405768	H. vulg.	IV\76	YUG	Macedonia	YUG
24430	107564	PI 405769	H. vulg.	IV\77	YUG	Macedonia	YUG
24431	107565	PI 405770	H. vulg.	IV\78	YUG	Macedonia	YUG
24432	107566	PI 405771	H. vulg.	IV\79			
24433	107567	PI 405772	H. vulg.	IV\80	YUG	Macedonia	YUG
24434	107568	PI 405773	H. vulg.	IV\81	YUG	Macedonia	YUG
24435	107569	PI 405774	H. vulg.	IV\82	YUG	Macedonia	YUG
24436	107570	PI 405775	H. vulg.	IV\83	YUG	Macedonia	YUG
24437	107571	PI 405776	H. vulg.	IV\84			
24438	107572	PI 405777	H. vulg.	IV\85	YUG	Macedonia	YUG
24439	107573	PI 405778	H. vulg.	IV\86	YUG	Macedonia	YUG
24440	107574	PI 405779	H. vulg.	IV\87	YUG	Macedonia	YUG
24441	107575	PI 405780	H. vulg.	IV\88	YUG	Macedonia	YUG
24442	107576	PI 405781	H. vulg.	IV\89			
24443	107577	PI 405782	H. vulg.	IV\90	YUG	Macedonia	YUG
24444	107578	PI 405783	H. vulg.	IV\91	YUG	Macedonia	YUG
24445	107579	PI 405784	H. vulg.	IV\92	YUG	Macedonia	YUG
24446	107580	PI 405785	H. vulg.	IV\93	YUG	Macedonia	YUG
24447	107581	PI 405786	H. vulg.	IV\94			
24448	107582	PI 405787	H. vulg.	IV\95	YUG	Macedonia	YUG
24449	107583	PI 405788	H. vulg.	IV\96	YUG	Macedonia	YUG
24450	107584	PI 405789	H. vulg.	IV\97	YUG	Macedonia	YUG
24451	107585	PI 405790	H. vulg.	IV\98	YUG	Macedonia	YUG
24452	107586	PI 405791	H. vulg.	IV\99			
24453	107587	PI 405792	H. vulg.	IV\100	YUG	Macedonia	YUG
24454	107588	PI 405793	H. vulg.	IV\101	YUG	Macedonia	YUG
24455	107589	PI 405794	H. vulg.	IV\102	YUG	Macedonia	YUG
24456	107590	PI 405795	H. vulg.	IV\103	YUG	Macedonia	YUG

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
24457	107591	PI 405796	H. vulg.	IV\104	YUG	Macedonia	YUG
24458	107592	PI 405797	H. vulg.	IV\105	YUG	Macedonia	YUG
24459	107593	PI 405798	H. vulg.	IV\106	YUG	Macedonia	YUG
24460	107594	PI 405799	H. vulg.	IV\107	YUG	Macedonia	YUG
24461	107595	PI 405800	H. vulg.	IV\108	YUG	Macedonia	YUG
24462	107596	PI 405801	H. vulg.	IV\109	YUG	Macedonia	YUG
24463	107597	PI 405802	H. vulg.	IV\110	YUG	Macedonia	YUG
24464	107598	PI 405803	H. vulg.	IV\111	YUG	Macedonia	YUG
24465	107599	PI 405804	H. vulg.	IV\112	YUG	Macedonia	YUG
24466	107600	PI 405805	H. vulg.	IV\113	YUG	Macedonia	YUG
24467	107601	PI 405806	H. vulg.	IV\114	YUG	Macedonia	YUG
24468	107602	PI 405807	H. vulg.	IV\115	YUG	Macedonia	YUG
24469	107603	PI 405808	H. vulg.	IV\116	YUG	Macedonia	YUG
24470	107604	PI 405809	H. vulg.	IV\117	YUG	Macedonia	YUG
24471	107605	PI 405810	H. vulg.	IV\118	YUG	Cesralica	YUG
24472	107606	PI 406256	H. vulg.	-	NLD	-	DEU
24473	107607	PI 406258	H. vulg.	-	UNK	-	DEU
24474	107608	PI 406259	H. vulg.	-	UNK	-	DEU
24475	107609	PI 406260	H. vulg.	-	UNK	-	DEU
24476	107610	PI 406262	H. vulg.	-	UNK	-	DEU
24477	107611	PI 406264	H. vulg.	-	GBR	-	DEU
24478	107612	PI 406265	H. vulg.	-	UNK	-	DEU
24479	107613	PI 406472	H. vulg.	-	UNK	-	FRA
24480	107614	PI 409097	H. vulg.	-	POL	-	POL
24481	107615	PI 409098	H. vulg.	-	POL	-	POL
24482	107616	PI 410419	H. dist.	IPI-VIR 18467	SUN	Ukraine	SUN
24483	107617	PI 410420	H. dist.	IPI-VIR 21790	SUN	Ukraine	SUN
24484	107618	PI 410422	H. vulg.	IPI-VIR 11839	SUN	Ukraine	SUN
24485	107619	PI 410423	H. vulg.	IPI-VIR 20444	SUN	Azerbaijan	SUN
24486	107620	PI 410424	H. vulg.	IPI-VIR 22364	SUN	Ukraine	SUN
24487	107621	PI 410437	H. vulg.	-	LBY	Tripoli	LBY
24488	107622	PI 410444	H. vulg.	N6	PAK	Vilg. 6	PAK
24489	107623	PI 410445	H. vulg.	UBL-C13A	PAK	Vilg. 13	PAK
24490	107624	PI 410448	H. vulg.	UBL-N15	PAK	Vilg. 15	PAK
24491	107625	PI 410449	H. vulg.	UBL-N16	PAK	Vilg. 16	PAK
24492	107626	PI 410450	H. vulg.	UBL-N17	PAK	Vilg. 17	PAK
24493	107627	PI 410451	H. vulg.	UBL-C18A	PAK	Vilg. 18	PAK
24494	107628	PI 410452	H. vulg.	UBL-N18B	PAK	Vilg. 18	PAK
24495	107629	PI 410453	H. vulg.	UBL-N22	PAK	Vilg. 22	PAK
24496	107630	PI 410454	H. vulg.	UBL-N23A	PAK	Vilg. 23	PAK
24497	107631	PI 410455	H. vulg.	UBL-N23B	PAK	Vilg. 23	PAK
24498	107632	PI 410456	H. vulg.	UBL-N24	PAK	Vilg. 24	PAK
24499	107633	PI 410457	H. vulg.	UBL-N25	PAK	Vilg. 25	PAK
24500	107634	PI 410458	H. vulg.	UBL-N26	PAK	Vilg. 26	PAK
24501	107635	PI 410559	H. vulg.	UBL-N27	PAK	Vilg. 27	PAK
24502	107636	PI 410560	H. vulg.	UBL-N28	PAK	Vilg. 28	PAK
24503	107637	PI 410561	H. vulg.	UBL-N29	PAK	Vilg. 29	PAK
24504	107638	PI 410562	H. vulg.	UBL-N30	PAK	Vilg. 30	PAK
24505	107639	PI 410563	H. vulg.	UBL-C31A	PAK	Vilg. 31	PAK
24506	107640	PI 410564	H. vulg.	UBL-N31B	PAK	Vilg. 31	PAK
24507	107641	PI 410565	H. vulg.	UBL-N32A	PAK	Vilg. 32	PAK
24508	107642	PI 410566	H. vulg.	UBL-N32B	PAK	Vilg. 32	PAK
24509	107643	PI 410567	H. vulg.	UBL-N33	PAK	Vilg. 33	PAK
24510	107644	PI 410568	H. vulg.	UBL-N34	PAK	Vilg. 34	PAK
24511	107645	PI 410569	H. vulg.	UBL-N35	PAK	Vilg. 35	PAK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
24512	107646	PI 410570	H. vulg.	UBL-N36	PAK	Vilg. 36	PAK
24513	107647	PI 410572	H. vulg.	UBL-C38A	PAK	Vilg. 38	PAK
24514	107648	PI 410573	H. vulg.	UBL-N38B	PAK	Vilg. 38	PAK
24515	107649	PI 410574	H. vulg.	UBL-C39	PAK	Vilg. 39	PAK
24516	107650	PI 410575	H. vulg.	UBL-N40	PAK	Vilg. 40	PAK
24517	107651	PI 410576	H. vulg.	UBL-N41	PAK	Vilg. 41	PAK
24518	107652	PI 410577	H. vulg.	UBL-N42	PAK	Vilg. 42	PAK
24519	107653	PI 410578	H. vulg.	UBL-N45	PAK	Vilg. 45	PAK
24520	107654	PI 410579	H. vulg.	UBL-N46	PAK	Vilg. 46	PAK
24521	107655	PI 410580	H. vulg.	UBL-N47	PAK	Vilg. 47	PAK
24522	107656	PI 410581	H. vulg.	UBL-N48	PAK	Vilg. 48	PAK
24523	107657	PI 410582	H. vulg.	UBL-N49	PAK	Vilg. 49	PAK
24524	107658	PI 410583	H. vulg.	UBL-N50	PAK	Vilg. 50	PAK
24525	107659	PI 410584	H. vulg.	UBL-N51	PAK	Vilg. 51	PAK
24526	107660	PI 410585	H. vulg.	UBL-N52	PAK	Vilg. 52	PAK
24527	107661	PI 410586	H. vulg.	UBL-N53	PAK	Vilg. 53	PAK
24528	107662	PI 410587	H. vulg.	UBL-N55	PAK	Vilg. 55	PAK
24529	107663	PI 410588	H. vulg.	UBL-N56	PAK	Vilg. 56	PAK
24530	107664	PI 410589	H. vulg.	UBL-N59	PAK	Vilg. 59	PAK
24531	107665	PI 410590	H. vulg.	UBL-N60	PAK	Vilg. 60	PAK
24532	107666	PI 410591	H. vulg.	UBL-N62	PAK	Vilg. 62	PAK
24533	107667	PI 410592	H. vulg.	UBL-N63	PAK	Vilg. 63	PAK
24534	107668	PI 410593	H. vulg.	UBL-N64	PAK	Vilg. 64	PAK
24535	107669	PI 410494	H. vulg.	UBL-N66	PAK	Vilg. 66	PAK
24536	107670	PI 410495	H. vulg.	UBL-N67	PAK	Vilg. 67	PAK
24537	107671	PI 410496	H. vulg.	UBL-N68	PAK	Vilg. 68	PAK
24538	107672	PI 410497	H. vulg.	UBL-N69	PAK	Vilg. 69	PAK
24539	107673	PI 410498	H. vulg.	UBL-N70	PAK	Vilg. 70	PAK
24540	107674	PI 410499	H. vulg.	UBL-C71A	PAK	Vilg. 71	PAK
24541	107675	PI 410500	H. vulg.	UBL-N71B	PAK	Vilg. 71	PAK
24542	107676	PI 410501	H. vulg.	UBL-C72A	PAK	Vilg. 72	PAK
24543	107677	PI 410502	H. vulg.	UBL-N72B	PAK	Vilg. 72	PAK
24544	107678	PI 410503	H. vulg.	UBL-N73	PAK	Vilg. 73	PAK
24545	107679	PI 410504	H. vulg.	UBL-C74A	PAK	Vilg. 74	PAK
24546	107680	PI 410505	H. vulg.	UBL-N74B	PAK	Vilg. 74	PAK
24547	107681	PI 410506	H. vulg.	UBL-C75A	PAK	Vilg. 75	PAK
24548	107682	PI 410508	H. vulg.	UBL-C76A	PAK	Vilg. 76	PAK
24549	107683	PI 410509	H. vulg.	UBL-N76B	PAK	Vilg. 76	PAK
24550	107684	PI 410510	H. vulg.	UBL-N77	PAK	Vilg. 77	PAK
24551	107685	PI 410511	H. vulg.	UBL-N78	PAK	Vilg. 78	PAK
24552	107686	PI 410512	H. vulg.	UBL-N79	PAK	Vilg. 79	PAK
24553	107687	PI 410513	H. vulg.	UBL-N80	PAK	Vilg. 80	PAK
24554	107688	PI 410514	H. vulg.	UBL-N81	PAK	Vilg. 81	PAK
24555	107689	PI 410515	H. vulg.	UBL-N82	PAK	Vilg. 82	PAK
24556	107690	PI 410516	H. vulg.	UBL-N84	PAK	Vilg. 84	PAK
24557	107691	PI 410517	H. vulg.	UBL-N85	PAK	Vilg. 85	PAK
24558	107692	PI 410518	H. vulg.	UBL-N86	PAK	Vilg. 86	PAK
24559	107693	PI 410519	H. vulg.	UBL-N87	PAK	Vilg. 87	PAK
24560	107694	PI 410520	H. vulg.	UBL-N89	PAK	Vilg. 89	PAK
24561	107695	PI 410521	H. vulg.	UBL-C90A	PAK	Vilg. 90	PAK
24562	107696	PI 410522	H. vulg.	UBL-N90B	PAK	Vilg. 90	PAK
24563	107697	PI 410523	H. vulg.	UBL-C91	PAK	Vilg. 91	PAK
24564	107698	PI 410524	H. vulg.	UBL-C92	PAK	Vilg. 92	PAK
24565	107699	PI 410525	H. vulg.	UBL-C93	PAK	Vilg. 93	PAK
24566	107700	PI 410526	H. vulg.	UBL-C94	PAK	Vilg. 94	PAK

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
24567	107701	PI 410527	H. vulg.	UBL-C95	PAK	Vilg. 95	PAK
24568	107702	PI 410528	H. vulg.	UBL-C96	PAK	Vilg. 96	PAK
24569	107703	PI 410529	H. vulg.	UBL-C97	PAK	Vilg. 97	PAK
24570	107704	PI 410530	H. vulg.	UBL-C98	PAK	Vilg. 98	PAK
24571	107705	PI 410531	H. vulg.	UBL-C99	PAK	Vilg. 99	PAK
24572	107706	PI 410532	H. vulg.	UBL-C100	PAK	Vilg. 100	PAK
24573	107707	PI 410533	H. vulg.	UBL-C101	PAK	Vilg. 101	PAK
24574	107708	PI 410852	H. vulg.	PBTT 2263	GBR	-	GBR
24575	107709	PI 410853	H. vulg.	PBTT 2269	UNK	-	GBR
24576	107710	PI 410854	H. vulg.	PBTT 2273	GBR	-	GBR
24577	107711	PI 410855	H. vulg.	PBTT 1762	FRA	-	GBR
24578	107712	PI 410856	H. vulg.	PBTT 2264	GBR	-	GBR
24579	107713	PI 410857	H. vulg.	PBTT 5732	FRA	-	GBR
24580	107714	PI 410858	H. vulg.	PBTT 47	FRA	-	GBR
24581	107715	PI 410859	H. vulg.	PBTT 2428	FRA	-	GBR
24582	107716	PI 410860	H. vulg.	PBTT 1658	UNK	-	GBR
24583	107717	PI 410861	H. vulg.	PBTT 1857	DEU	-	GBR
24584	107718	PI 410862	H. vulg.	PBTT 2267	GBR	-	GBR
24585	107719	PI 410863	H. vulg.	PBTT 2465	DNK	-	GBR
24586	107720	PI 410864	H. vulg.	PBTT 1737	GBR	-	GBR
24587	107721	PI 410865	H. vulg.	PBTT 2240	UNK	-	GBR
24588	107722	PI 410866	H. vulg.	PBTT 1659	SWE	-	GBR
24589	107723	PI 411130	H. vulg.	-	JPN	-	JPN
24590	107724	PI 411140	H. vulg.	-	DNK	-	DEU
24591	107725	PI 412936	H. vulg.	-	UNK	-	ZAF
24592	107726	PI 412937	H. vulg.	DPSCP 60\19-30A	UNK	-	ZAF
24593	107727	PI 412938	H. vulg.	DPSCP 62\13-86	UNK	-	ZAF
24594	107728	PI 412939	H. vulg.	DPSCP 62\13-176	UNK	-	ZAF
24595	107729	PI 412940	H. vulg.	DPSCP-G.337	UNK	-	ZAF
24596	107730	PI 412941	H. vulg.	-	UNK	-	ZAF
24597	107731	PI 412942	H. vulg.	DPSCP 60\2-89	UNK	-	ZAF
24598	107732	PI 412943	H. vulg.	DPSCP 60\19-58	UNK	-	ZAF
24599	107733	PI 412944	H. vulg.	DPSCP 62\13-113	UNK	-	ZAF
24600	107734	PI 412945	H. vulg.	DPSCP 62\13-213	ZAF	Culpina	ZAF
24601	107735	PI 412946	H. vulg.	DPSCP-G342	UNK	-	ZAF
24602	107736	PI 414082	H. vulg.	-	BOL	-	BOL
24603	107737	PI 414083	H. vulg.	-	BOL	-	BOL
24604	107738	PI 414085	H. vulg.	-	BOL	-	BOL
24605	107739	PI 414088	H. dist.	AGU-B-8	TUR	-	TUR
24606	107740	PI 414089	H. dist.	AGU-B-7	TUR	-	TUR
24607	107741	PI 414090	H. dist.	CA 175\74	TUR	-	TUR
24608	107742	PI 414091	H. dist.	AGU-B-3	TUR	-	TUR
24609	107743	PI 414092	H. dist.	AGU-B-6	TUR	-	TUR
24610	107744	PI 414093	H. dist.	AGU-B-11	TUR	-	TUR
24611	107745	PI 415321	H. vulg.	IV\128	YUG	-	YUG
24612	107746	PI 415323	H. vulg.	IV\130	YUG	-	YUG
24613	107747	PI 415325	H. vulg.	IV\132	YUG	-	YUG
24614	107748	CI 00024	-	Hanna	AUT	-	AUT
24615	107749	CI 00027	-	Bohemian	AUT	-	AUT
24616	107750	CI 00030	-	Hanna	AUT	-	AUT
24617	107751	CI 00032	-	Bohemian	AUT	-	AUT
24618	107752	CI 00034	-	Hanna	AUT	-	AUT
24619	107753	CI 00090	-	Caucasian	SUN	-	SUN
24620	107754	CI 00156	-	Chevalier	UNK	-	GBR
24621	107755	CI 00159	-	Bavarian	UNK	-	DEU

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTVAR	ORI	PROVINCE	SOURCE
24622	107756	CI 00160	-	Bavarian	UNK	-	DEU
24623	107757	CI 00169	-	Prize Prolific	CAN	-	CAN
24624	107758	CI 00170	-	Mensury	CHN	-	CAN
24625	107759	CI 00175	-	French Chevalier	CAN	-	CAN
24626	107760	CI 00176	-	Nugent	CAN	-	UNK
24627	107761	CI 00177	-	Belton	CAN	-	UNK
24628	107762	CI 00182	-	Odessa	CAN	-	CAN
24629	107763	CI 00187	-	Svanhals	SWE	-	SWE
24630	107764	CI 00189	-	Kitzing	DEU	-	DEU
24631	107765	CI 00190	-	Bekli Dwarf	DZA	-	DZA
24632	107766	CI 00191	-	Black Smyrna	TUR	-	TUR
24633	107767	CI 00192	-	Hankow	UNK	-	CHN
24634	107768	CI 00194	-	Telli	UNK	-	DZA
24635	107769	CI 00195	-	White Smyrna	TUR	-	TUR
24636	107770	CI 00197	-	Hankow	UNK	-	CHN
24637	107771	CI 00198	-	Olonets	UNK	-	SUN
24638	107772	CI 00200	-	Chevalier II	SWE	-	SWE
24639	107773	CI 00202	-	Black Arabian	UNK	-	SAU
24640	107774	CI 00204	-	Bohemian	UNK	-	AUT
24641	107775	CI 00206	-	Han River	UNK	-	CHN
24642	107776	CI 00218	-	Pride of Dakota	UNK	-	USA
24643	107777	CI 00220	-	Mammoth Winter	UNK	-	SUN
24644	107778	CI 00221	-	Greece	UNK	-	GRC
24645	107779	CI 00223	-	Argentine	UNK	-	ARG
24646	107780	CI 00226	-	Hanna	AUT	-	CSK
24647	107781	CI 00241	-	Manchuria	GRL	-	CHN
24648	107782	CI 00244	-	Manchuria	UNK	-	CHN
24649	107783	CI 00245	-	Fayette	UNK	-	USA
24650	107784	CI 00253	-	Baku	UNK	-	FRA
24651	107785	CI 00254	-	Himalaya	UNK	-	FRA
24652	107786	CI 00257	-	Tenn. Winter	UNK	-	USA
24653	107787	CI 00261	-	Club Mariout	UNK	-	UAR
24654	107788	CI 00271	-	Gold Medal	DEU	-	DEU
24655	107789	CI 00276	-	Coast	UNK	-	USA
24656	107790	CI 00277	-	Scottish Pearl	UNK	-	FRA
24657	107791	CI 00278	-	Chevalier	UNK	-	FRA
24658	107792	CI 00287	-	Hanna	UNK	-	FRA
24659	107793	CI 00296	-	Lower Bavarian	UNK	-	FRA
24660	107794	CI 00297	-	Middle Barley	UNK	-	FRA
24661	107795	CI 00314	-	Poppanheim	UNK	-	FRA
24662	107796	CI 00327	-	Goldthorpe	UNK	-	CAN
24663	107797	CI 00341	-	Fan	UNK	-	CAN
24664	107798	CI 00351	-	3 Rel.	UNK	-	SUN
24665	107799	CI 00361	-	Abyssinian	ETH	-	ETH
24666	107800	CI 00362	-	Abyssinian	ETH	-	ETH
24667	107801	CI 00392	-	Moldavia	UNK	-	ROM
24668	107802	CI 00408	-	Large Grained Winter	UNK	-	DEU
24669	107803	CI 00424	-	Milan	UNK	-	ITA
24670	107804	CI 00455	-	Caveda	UNK	-	PRT
24671	107805	CI 00475	-	Nepal	UNK	-	USA
24672	107806	CI 00488	-	Winter Club	UNK	-	USA
24673	107807	CI 00497	-	-	UAR	-	UAR
24674	107808	CI 00507	-	Horsford	UNK	-	USA
24675	107809	CI 00519	-	Wis. Winter	UNK	-	USA
24676	107810	CI 00521	-	Bulgarian Winter	UNK	-	BGR

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
24677	107811	CI 00529	-	Princess	SWE	-	SWE
24678	107812	CI 00531	-	Hannchen	SWE	-	SWE
24679	107813	CI 00532	-	Primus	SWE	-	SWE
24680	107814	CI 00534	-	Alaska	UNK	-	USA
24681	107815	CI 00539	-	Terwin	UNK	-	USA
24682	107816	CI 00554	-	Texas Winter	UNK	-	USA
24683	107817	CI 00557	-	Cape	UNK	-	ZAF
24684	107818	CI 00575	-	Gatami	CHN	-	CHN
24685	107819	CI 00577	-	Kamamugi	JPN	-	JPN
24686	107820	CI 00579	-	Wakamatsu	JPN	-	JPN
24687	107821	CI 00580	-	Yanehadaka	JPN	-	JPN
24688	107822	CI 00581	-	Finland	UNK	-	FIN
24689	107823	CI 00583	-	Union Winter	UNK	-	USA
24690	107824	CI 00584	-	Standwell	CHL	-	AUS
24691	107825	CI 00585	-	Mulster	CHL	-	GBR
24692	107826	CI 00587	-	Kinver Chevalier	UNK	-	GBR
24693	107827	CI 00588	-	Golden Grain	UNK	-	GBR
24694	107828	CI 00590	-	Invincible	CHL	-	GBR
24695	107829	CI 00592	-	Winter Club	USA	-	USA
24696	107830	CI 00593	-	Nemesh	UNK	-	CHN
24697	107831	CI 00595	-	Nepal	UNK	-	USA
24698	107832	CI 00596	-	Black Hulless	UNK	-	USA
24699	107833	CI 00610	-	Horsford	UNK	-	USA
24700	107834	CI 00616	-	Famesh	UNK	-	CHN
24701	107835	CI 00620	-	Himalaya	UNK	-	USA
24702	107836	CI 00626	-	Coast	UNK	-	USA
24703	107837	CI 00643	-	Manchuria	UNK	-	AUT
24704	107838	CI 00645	-	Garton 986	UNK	-	GBR
24705	107839	CI 00646	-	Tenkow	UNK	-	USA
24706	107840	CI 00647	-	Nesbian	UNK	-	USA
24707	107841	CI 00648	-	Virginia Hooded	UNK	-	USA
24708	107842	CI 00651	-	California Prolific	UNK	-	USA
24709	107843	CI 00652	-	Poda	UNK	-	PER
24710	107844	CI 00653	-	Peru	UNK	-	PER
24711	107845	CI 00654	-	Gyanste	UNK	-	CHN
24712	107846	CI 00657	-	Chile Brewing	UNK	-	GBR
24713	107847	CI 00658	-	White Smyrna	UNK	-	TUR
24714	107848	CI 00659	-	Chile Chevalier	UNK	-	GBR
24715	107849	CI 00660	-	Yerli	UNK	-	TUR
24716	107850	CI 00662	-	Tenarab	UNK	-	USA
24717	107851	CI 00663	-	Chile Common	UNK	-	CHL
24718	107852	CI 00664	-	Szechwan	UNK	-	CHN
24719	107853	CI 00666	-	Black Hulless	UNK	-	CHN
24720	107854	CI 00667	-	Merv	CHN	-	CHN
24721	107855	CI 00668	-	Abyssinian	ETH	-	ETH
24722	107856	CI 00671	-	-	ETH	-	ETH
24723	107857	CI 00677	-	Heil Hanna No 4	UNK	-	DEU
24724	107858	CI 00678	-	Heil Hanna No 2	UNK	-	DEU
24725	107859	CI 00679	-	Franconian	UNK	-	DEU
24726	107860	CI 00680	-	Franconian	UNK	-	DEU
24727	107861	CI 00681	-	Heil Hanna No 1	UNK	-	DEU
24728	107862	CI 00682	-	Heil Hanna No 3	UNK	-	DEU
24729	107863	CI 00686	-	Shiratama	UNK	-	JPN
24730	107864	CI 00689	-	Salamanca	UNK	-	ESP
24731	107865	CI 00690	-	Coast	UNK	-	USA

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
24732	107866	CI 00691	-	Coast	UNK	-	USA
24733	107867	CI 00692	-	Zunpakei	UNK	-	JPN
24734	107868	CI 00694	-	Kama-Ore	UNK	-	JPN
24735	107869	CI 00695	-	Barbary	UNK	-	LBY
24736	107870	CI 00697	-	Oswong	UNK	-	IND
24737	107871	CI 00700	-	Leh	UNK	-	IND
24738	107872	CI 00702	-	Arlington Awnless	UNK	-	USA
24739	107873	CI 00703	-	Hanseer Hulless	UNK	-	USA
24740	107874	CI 00704	-	Popeline	UNK	-	SUN
24741	107875	CI 00705	-	Black Russian	UNK	-	SUN
24742	107876	CI 00706	-	White Russian	UNK	-	SUN
24743	107877	CI 00707	-	Peru	UNK	-	PER
24744	107878	CI 00708	-	Black Algerian	UNK	-	DZA
24745	107879	CI 00709	-	Baku	IRN	-	SUN
24746	107880	CI 00711	-	Turkestan	UNK	-	SUN
24747	107881	CI 00712	-	Turkestan	UNK	-	SUN
24748	107882	CI 00713	-	Canada Winter	UNK	-	CAN
24749	107883	CI 00714	-	Caucasian	UNK	-	SUN
24750	107884	CI 00716	-	Hooded Spring	UNK	-	USA
24751	107885	CI 00727	-	Calangatch	UNK	-	CHN
24752	107886	CI 00728	-	Andie	UNK	-	IND
24753	107887	CI 00729	-	Dinar	UNK	-	TUN
24754	107888	CI 00730	-	Kumflide	UNK	-	CHN
24755	107889	CI 00731	-	Pontius	UNK	-	CHN
24756	107890	CI 00733	-	Kharsila	UNK	-	IND
24757	107891	CI 00734	-	Haua	UNK	-	IND
24758	107892	CI 00736	-	Venus	CHN	-	CHN
24759	107893	CI 00737	-	Niver	CHN	-	CHN
24760	107894	CI 00739	-	Manchurian	UNK	-	CAN
24761	107895	CI 00740	-	Canadian Thorpe	UNK	-	CAN
24762	107896	CI 00741	-	Nu Er Ta	UNK	-	CHN
24763	107897	CI 00742	-	Rice	UNK	-	CHN
24764	107898	CI 00743	-	Khanaka	UNK	-	CHN
24765	107899	CI 00744	-	Chilga Arpa	UNK	-	CHN
24766	107900	CI 00745	-	Hulless	UNK	-	CHN
24767	107901	CI 00746	-	Kok Arpa	UNK	-	CHN
24768	107902	CI 00749	-	Bozu	UNK	-	JPN
24769	107903	CI 00752	-	Nishiki	UNK	-	JPN
24770	107904	CI 00753	-	Bodzu	UNK	-	JPN
24771	107905	CI 00754	-	Nakano Wase	UNK	-	JPN
24772	107906	CI 00835	-	Wis. Pedigree	UNK	-	USA
24773	107907	CI 00864	-	Rapur	UNK	-	PER
24774	107908	CI 00865	-	Ivory	UNK	-	CHN
24775	107909	CI 00866	-	Lihor	UNK	-	CHN
24776	107910	CI 00867	-	Soochow	UNK	-	CHN
24777	107911	CI 00868	-	Taihu	UNK	-	CHN
24778	107912	CI 00869	-	Kopeck	UNK	-	BOL
24779	107913	CI 00870	-	Ruble	UNK	-	VEN
24780	107914	CI 00875	-	Chorny	SUN	-	SUN
24781	107915	CI 00876	-	Senn Winter	UNK	-	USA
24782	107916	CI 00877	-	Horsford	UNK	-	USA
24783	107917	CI 00878	-	Blackhull	ETH	-	ETH
24784	107918	CI 00882	-	Manchuria	UNK	-	USA
24785	107919	CI 00889	-	Reed Triumph	UNK	-	USA
24786	107920	CI 00890	-	Silver King	UNK	-	USA

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
24787	107921	CI 00893	-	Prokowetz	AUT	-	AUT
24788	107922	CI 00895	-	Cusado	UNK	-	USA
24789	107923	CI 00898	-	Omar	UNK	-	USA
24790	107924	CI 00901	-	Pidor	UNK	-	USA
24791	107925	CI 00905	-	Silver King	UNK	-	USA
24792	107926	CI 00906	-	Hanna	AUT	-	USA
24793	107927	CI 00907	-	Steigum	UNK	-	USA
24794	107928	CI 00908	-	Luth	UNK	-	USA
24795	107929	CI 00910	-	White Smyrna	UNK	-	USA
24796	107930	CI 00911	-	Featherston	UNK	-	USA
24797	107931	CI 00912	-	Mahrische	UNK	-	DEU
24798	107932	CI 00914	-	Italian	UNK	-	DEU
24799	107933	CI 00915	-	Servian	UNK	-	USA
24800	107934	CI 00916	-	Odessa	UNK	-	USA
24801	107935	CI 00917	-	Prentice	GBR	-	GBR
24802	107936	CI 00918	-	Korsbyg	DNK	-	DNK
24803	107937	CI 00919	-	Lynch	UNK	-	PER
24804	107938	CI 00920	-	White Gatami	UNK	-	CHN
24805	107939	CI 00921	-	Thorpe	UNK	-	GBR
24806	107940	CI 00922	-	Belton	UNK	-	CAN
24807	107941	CI 00923	-	Lion	SUN	-	SUN
24808	107942	CI 00925	-	Australian White	UNK	-	USA
24809	107943	CI 00926	-	Horn	AUT	-	AUT
24810	107944	CI 00927	-	Odessa	UNK	-	SUN
24811	107945	CI 00928	-	Goldfoil	UNK	-	AUT
24812	107946	CI 00929	-	Summit	UNK	-	CAN
24813	107947	CI 00931	-	Steigum	UNK	-	JPN
24814	107948	CI 00932	-	Clubmariout	UNK	-	UAR
24815	107949	CI 00933	-	Bohemian	UNK	-	AUT
24816	107950	CI 00934	-	Odessa	UNK	-	SUN
24817	107951	CI 00935	-	Peruvian	UNK	-	USA
24818	107952	CI 00936	-	Trebi	TUR	-	TUR
24819	107953	CI 00937	-	Sandrel	UNK	-	CSK
24820	107954	CI 00938	-	Abyssinian	ETH	-	ETH
24821	107955	CI 00939	-	Palestine	UNK	-	USA
24822	107956	CI 00940	-	Oderbrucker	UNK	-	USA
24823	107957	CI 00943	-	Abyssinian	ETH	-	ETH
24824	107958	CI 00946	-	Abyssinian	ETH	-	ETH
24825	107959	CI 00949	-	Abyssinian	ETH	-	ETH
24826	107960	CI 00950	-	Abyssinian	ETH	-	ETH
24827	107961	CI 00951	-	Abyssinian	ETH	-	ETH
24828	107962	CI 00952	-	Holland	UNK	-	USA
24829	107963	CI 00953	-	Frankish	UNK	-	USA
24830	107964	CI 00954	-	Featherston	UNK	-	USA
24831	107965	CI 00955	-	Beldi Dwarf	UNK	-	USA
24832	107966	CI 00956	-	Manchuria	UNK	-	USA
24833	107967	CI 00957	-	Oderbrucker	UNK	-	USA
24834	107968	CI 00958	-	Golden Melon	UNK	-	JPN
24835	107969	CI 00959	-	Alpha	UNK	-	USA
24836	107970	CI 00961	-	Odessa	UNK	-	USA
24837	107971	CI 00962	-	Scholey	UNK	-	USA
24838	107972	CI 00966	-	Hanna	UNK	-	USA
24839	107973	CI 00971	-	Daniels	UNK	-	USA
24840	107974	CI 00972	-	Luth	UNK	-	USA
24841	107975	CI 00974	-	Odessa	UNK	-	USA

IG	ICB	PI/CI	SC NAME	OTH ACC NO/CULTIVAR	ORI	PROVINCE	SOURCE
24842	107976	CI 00975	-	Baker	UNK	-	USA
24843	107977	CI 00977	-	White Moravia	UNK	-	USA
24844	107978	CI 00978	-	Silesia	UNK	-	USA
24845	107979	CI 00979	-	Shest	UNK	-	SUN
24846	107980	CI 00981	-	Mandarin	UNK	-	ETH
24847	107981	CI 00982	-	Hodge	TUR	-	MEX
24848	107982	CI 00983	-	Caliph	UNK	-	SYR
24849	107983	CI 00984	-	Pasha	UNK	-	SUN
24850	107984	CI 00985	-	Claroff	UNK	-	SUN
24851	107985	CI 00986	-	Woodrow	UNK	-	SUN
24852	107986	CI 00987	-	Kolter	UNK	-	SUN
24853	107987	CI 00988	-	Shale	UNK	-	SUN
24854	107988	CI 00990	-	Champean	UNK	-	SUN
24855	107989	CI 00992	-	Kite	UNK	-	SUN
24856	107990	CI 00993	-	Eidar	UNK	-	SUN
24857	107991	CI 00994	-	Petro	UNK	-	SUN
24858	107992	CI 00995	-	Scarab	UNK	-	SUN
24859	107993	CI 00996	-	Rasput	UNK	-	SUN
24860	107994	CI 00998	-	Iris	UNK	-	SUN
24861	107995	CI 00999	-	Mignon	UNK	-	SUN
24862	107996	CI 01000	-	Nekludowi	UNK	-	SUN
24863	107997	CI 01002	-	Clancy	UNK	-	SUN
24864	107998	CI 01003	-	Erak	UNK	-	SUN
24865	107999	CI 01004	-	Picket	UNK	-	SUN
24866	108000	CI 01005	-	Czar	UNK	-	SUN

EVALUATION DATA

Abbreviations used in listing the evaluation data

GHA	Growth habit
GCL	Growth class
RNO	Kernel row number
ACO	Awn colour
ARG	Awn roughness
KCV	Kernel covering
RHL	Rachilla hair length
GCO	Glume colour
LCO	Lemma colour
KCO	Grain colour
DHE	Days to heading
DMA	Days to maturity
PLH	Plant height
SGS	Number of spikelet groups per spike
SDE	Spike density
SCO	Stem colour
H/A	Hoodedness/awnedness
KWT	1000-kernel weight
PRO	Percentage protein content
LYS/PRO	Lysine/protein ratio
TIL	Tillering
LOD	Resistance to lodging

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
16867	100001	3	1	1	1	2	2	2	3	1	4	144	197	100	22.0	2	5	4	35.9	12.5	3.60	1	3
16868	100002	3	1	1	1	2	2	1	3	1	4	142	192	105	26.6	2	5	4	36.2	12.6	3.73	1	3
16869	100003	3	1	1	1	2	2	2	3	1	4	144	193	105	22.6	2	5	4	37.8	11.6	3.88	1	3
16870	100004	3	1	1	1	2	2	1	1	1	4	148	195	105	22.4	2	5	4	41.3	11.0	3.73	1	3
16871	100005	3	1	1	1	2	2	2	1	1	1	152	195	100	25.2	2	5	4	35.9	11.7	3.76	1	3
16872	100006	3	1	1	1	2	2	1	3	1	1	156	196	105	26.2	2	5	4	41.0	12.1	3.72	1	3
16873	100007	3	1	1	1	2	2	1	3	1	1	152	197	105	27.6	2	5	4	40.1	11.5	3.74	1	3
16874	100008	3	1	1	1	2	2	1	3	1	1	156	197	100	26.6	2	5	4	40.8	12.1	3.72	1	3
16875	100009	3	1	1	1	2	2	2	3	1	1	148	192	115	24.8	2	5	4	33.8	11.1	3.87	1	3
16876	100010	3	1	1	1	2	2	2	3	1	1	144	192	110	25.2	2	5	4	34.9	11.0	3.91	1	3
16877	100011	3	1	1	1	2	2	1	3	1	4	148	193	105	27.2	2	5	4	36.7	11.4	3.77	1	3
16878	100012	3	1	1	1	2	2	1	3	1	4	148	194	115	26.0	2	5	4	31.8	11.3	3.72	1	5
16879	100013	3	1	1	3	2	2	2	3	1	4	148	193	95	28.0	2	5	4	46.0	11.9	3.70	1	3
16880	100014	3	1	1	1	2	2	1	3	1	1	148	194	95	25.4	2	5	4	33.0	12.9	3.57	1	3
16881	100015	3	1	1	1	2	2	1	3	1	1	148	194	110	26.0	2	5	4	35.7	11.3	3.81	1	5
16882	100016	3	1	1	1	2	2	2	3	1	4	148	195	95	22.0	2	5	4	40.2	11.5	3.65	1	3
16883	100017	3	1	1	1	2	2	1	3	1	4	156	195	95	28.8	2	5	4	32.4	12.5	3.68	1	3
16884	100018	3	1	1	1	2	2	1	9	1	1	148	197	100	30.6	2	5	4	36.5	11.6	3.71	1	3
16885	100019	3	1	1	1	2	2	1	3	1	4	166	197	105	25.8	2	5	4	34.9	12.6	3.57	1	3
16886	100020	3	1	1	1	2	2	1	3	1	4	156	197	100	27.0	2	5	4	33.9	12.6	3.41	1	3
16887	100021	3	1	1	1	2	2	1	3	1	4	159	197	95	25.4	2	5	4	32.6	11.9	3.53	2	3
16888	100022	3	1	1	1	2	2	1	1	1	4	153	190	100	24.0	2	5	4	35.6	12.1	3.64	1	3
16889	100023	3	1	1	1	2	2	2	3	1	4	148	190	95	26.0	2	5	4	33.6	11.4	3.68	1	3
16890	100024	3	1	1	3	2	2	1	1	1	4	148	193	100	22.4	2	5	4	33.7	11.7	3.68	1	3
16891	100025	3	1	1	1	2	2	1	3	1	4	148	194	100	22.8	2	5	4	34.9	11.4	3.51	1	3
16892	100026	3	1	1	1	1	2	2	3	1	1	148	193	100	25.0	2	5	4	33.3	11.0	3.73	1	3
16893	100027	3	1	1	1	2	2	2	1	1	1	148	192	95	21.0	2	5	4	35.0	10.6	3.77	1	3
16894	100028	3	1	1	1	2	2	1	3	1	4	151	196	90	22.0	2	5	4	41.2	10.3	3.69	1	3
16895	100029	3	1	1	1	2	2	2	3	1	4	148	196	100	27.0	2	5	4	34.7	10.3	3.88	1	3
16896	100030	3	1	1	1	2	2	2	1	1	1	148	194	110	26.6	2	5	4	35.5	11.5	3.74	1	3
16897	100031	3	1	1	1	2	2	1	1	1	4	148	194	95	25.8	2	5	4	31.7	11.2	3.75	1	5
16898	100032	3	1	1	1	2	2	1	1	1	1	148	194	100	24.4	2	5	4	31.8	12.0	3.75	2	5
16899	100033	3	1	1	1	2	2	2	1	1	4	148	194	100	25.2	2	5	4	32.8	12.5	3.52	2	3
16900	100034	3	1	1	1	2	2	1	3	1	4	148	194	120	28.2	2	5	4	29.9	11.7	3.68	2	3
16901	100035	3	1	1	1	2	2	2	3	1	1	148	194	100	24.4	2	5	4	30.6	11.6	3.62	1	5
16902	100036	3	1	1	1	2	2	2	3	1	1	144	194	110	27.4	2	5	4	35.1	11.1	3.69	2	5
16903	100037	3	1	1	1	2	2	1	3	1	4	153	200	105	25.8	2	5	4	38.5	12.7	3.46	2	3
16904	100038	3	1	1	3	2	2	1	3	1	4	151	194	90	24.4	2	5	4	33.3	13.2	3.48	1	3
16905	100039	3	1	1	1	2	2	2	1	1	1	148	193	90	23.0	2	5	4	35.5	11.2	3.84	1	5
16906	100040	3	1	1	1	2	2	1	1	1	4	148	194	95	23.6	2	5	4	25.4	10.6	3.77	2	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
16907	100041	3	1	1	1	2	2	2	1	1	1	148	194	100	26.4	2	5	4	35.8	11.7	3.68	2	5
16908	100042	3	1	1	1	2	2	1	3	1	1	148	193	95	23.2	2	5	4	34.9	11.1	3.78	1	5
16909	100043	3	1	1	1	2	2	2	1	1	4	148	193	100	25.8	2	5	4	37.6	12.3	3.74	1	5
16910	100044	3	1	1	1	2	2	2	3	1	4	148	194	95	25.8	2	5	4	39.6	11.8	3.73	1	3
16911	100045	3	1	1	1	2	2	2	3	1	1	143	190	90	23.2	2	5	4	44.3	12.0	3.58	1	5
16912	100046	3	1	1	1	2	2	2	1	1	4	148	193	95	27.4	2	5	4	31.7	11.1	3.69	1	5
16913	100047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16914	100048	3	1	1	1	2	2	1	3	1	4	144	196	95	26.4	2	5	4	36.9	11.7	3.60	1	3
16915	100049	3	1	1	3	2	2	2	3	1	4	148	194	105	25.4	2	5	4	35.4	12.0	3.50	2	5
16916	100050	3	1	1	1	2	2	2	3	1	4	148	194	100	31.0	2	5	4	34.5	11.9	3.61	1	5
16917	100051	3	1	1	1	2	2	1	3	1	4	153	198	100	28.4	2	5	4	35.2	12.7	3.31	2	3
16918	100052	3	1	1	1	2	2	1	3	1	1	148	193	100	23.4	2	5	4	34.3	12.4	3.63	1	5
16919	100053	3	1	1	1	2	2	1	1	1	4	152	191	100	23.6	2	5	4	37.0	12.2	3.77	1	3
16920	100054	3	1	1	3	2	2	2	1	1	4	148	193	90	25.0	2	5	4	38.7	12.2	3.69	1	3
16921	100055	2	1	1	1	2	2	1	3	1	4	148	194	95	26.6	2	5	4	32.9	12.5	3.52	2	3
16922	100056	3	2	1	1	1	2	2	5	1	4	124	188	100	22.4	3	5	4	38.8	10.3	4.08	1	5
16923	100057	3	1	1	1	2	2	1	3	1	4	151	194	110	25.6	2	5	4	36.6	12.3	3.49	2	5
16924	100058	3	1	1	1	2	2	1	3	1	4	148	194	100	23.2	2	5	4	34.6	11.7	3.59	1	5
16925	100059	3	1	1	1	2	2	2	3	1	1	151	194	95	25.4	2	5	4	40.1	11.7	3.67	2	3
16926	100060	3	1	1	1	2	2	2	3	1	1	148	193	90	22.2	2	5	4	34.1	11.7	3.59	1	7
16927	100061	3	1	1	1	2	2	2	1	1	1	148	193	95	25.2	2	5	4	33.5	11.4	3.68	1	3
16928	100062	3	1	1	3	2	2	1	3	1	1	148	194	100	26.6	2	5	4	40.4	10.8	3.89	1	3
16929	100063	3	1	1	1	2	2	1	1	1	1	148	196	90	29.2	2	5	4	35.6	10.2	4.22	2	5
16930	100064	-	-	-	-	-	-	-	-	-	-	163	-	-	-	-	-	-	-	-	-	1	-
16931	100065	3	1	1	1	2	2	1	3	1	4	151	197	100	22.0	2	5	4	37.1	12.6	3.41	2	5
16932	100066	3	1	1	1	2	2	1	3	1	1	144	194	100	28.4	2	5	4	34.1	11.5	3.65	1	5
16933	100067	3	1	1	1	2	2	2	3	1	1	153	194	105	22.2	2	5	4	37.8	11.5	3.56	2	3
16934	100068	3	1	1	1	2	2	2	3	1	4	148	194	110	30.0	2	5	4	35.9	11.4	3.60	1	3
16935	100069	3	1	1	1	2	2	1	3	1	1	153	194	95	26.0	2	5	4	33.1	11.0	3.64	1	3
16936	100070	3	1	1	1	2	2	1	3	1	1	153	194	100	31.2	2	5	4	33.0	10.5	3.81	1	3
16937	100071	3	1	1	1	2	2	2	1	1	2	163	194	80	26.0	2	5	4	39.3	10.7	3.92	1	3
16938	100072	3	1	1	1	2	2	2	3	1	1	152	194	90	28.4	2	5	4	35.3	11.5	3.65	1	3
16939	100073	3	1	1	1	2	2	1	3	1	1	153	194	90	25.0	2	5	4	34.6	10.4	3.65	1	3
16940	100074	3	1	1	1	2	2	1	3	1	1	163	192	95	21.6	2	5	4	36.0	11.4	3.77	1	3
16941	100075	3	1	1	3	2	2	2	3	1	4	153	194	100	26.0	2	5	4	35.6	11.1	3.60	1	3
16942	100076	3	1	1	3	2	2	2	3	1	1	152	194	105	24.4	2	5	4	40.9	10.8	3.70	1	3
16943	100077	3	1	1	1	2	2	2	3	1	1	161	195	95	27.4	2	5	4	36.1	10.5	3.81	1	3
16944	100078	3	1	1	-	2	-	2	1	1	-	163	-	-	11.0	2	5	4	35.8	10.7	4.02	1	3
16945	100079	3	1	1	1	2	2	1	3	1	1	153	190	95	25.0	2	5	4	38.3	10.6	3.77	1	3
16946	100080	3	1	1	1	2	2	2	1	1	2	153	190	100	20.6	2	5	4	44.4	11.3	3.72	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCV	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
16947	100081	3	1	1	1	2	2	2	3	1	4	152	194	105	20.4	2	5	4	37.9	11.4	3.86	2	3
16948	100082	3	1	1	1	2	2	1	3	1	1	156	189	100	25.4	2	5	4	37.2	10.6	3.87	1	3
16949	100083	3	1	1	3	2	2	2	3	1	1	148	190	100	21.8	2	5	4	35.9	10.7	3.64	1	3
16950	100084	3	1	1	3	2	2	2	3	1	2	153	190	95	20.4	2	5	4	37.3	11.7	3.67	1	3
16951	100085	3	1	1	3	2	2	2	1	1	1	148	190	110	29.6	2	5	4	40.6	10.8	3.80	1	3
16952	100086	3	1	2	3	2	2	2	3	1	4	152	197	90	28.0	2	5	4	41.7	12.7	3.62	1	3
16953	100087	3	1	1	1	2	2	1	3	1	1	153	194	100	30.0	2	5	4	34.8	11.6	3.71	1	7
16954	100088	3	2	1	1	2	2	2	1	1	1	152	184	95	25.6	2	5	4	37.3	10.6	3.96	2	7
16955	100089	2	2	1	1	2	2	2	3	1	1	144	185	105	25.4	2	5	4	32.8	10.9	3.76	1	7
16956	100090	2	2	1	1	2	2	2	3	1	1	144	185	98	24.8	2	5	4	31.6	10.7	4.11	2	7
16957	100091	2	3	1	3	2	2	2	3	1	2	134	185	85	25.0	2	5	4	32.5	10.8	3.61	1	7
16958	100092	3	1	1	1	2	2	1	3	1	4	163	201	90	19.0	2	5	4	39.2	11.0	3.73	1	3
16959	100093	3	1	1	1	2	2	1	3	1	4	163	201	80	21.4	2	5	4	44.8	11.8	3.47	1	3
16960	100094	3	1	1	1	2	2	1	3	1	1	144	194	95	27.8	2	5	4	39.8	11.8	3.64	1	3
16961	100095	3	1	1	1	2	2	1	1	1	1	151	193	95	23.6	2	5	4	30.6	10.7	3.83	1	5
16962	100096	3	1	1	1	2	2	1	1	1	4	153	191	85	32.0	2	5	4	41.5	10.5	3.90	1	5
16963	100097	3	1	1	1	2	2	2	1	1	4	152	191	95	32.0	2	5	4	36.3	11.3	3.72	2	5
16964	100098	3	1	1	1	2	2	2	1	1	4	151	193	100	24.0	2	5	4	37.4	10.9	3.67	1	3
16965	100099	3	1	1	1	2	2	1	3	1	1	148	193	95	23.8	2	5	4	40.2	11.5	3.74	1	3
16966	100100	3	1	1	1	2	2	2	1	1	4	148	190	100	26.0	2	5	4	38.1	10.5	3.71	1	3
16967	100101	3	1	1	1	2	2	1	1	1	4	153	194	100	24.6	2	5	4	38.3	12.1	3.64	1	3
16968	100102	3	1	1	1	2	2	1	1	1	1	152	194	110	23.8	2	5	4	39.4	10.9	3.94	1	3
16969	100103	3	1	1	1	2	2	1	3	1	4	152	194	100	21.8	2	5	4	37.3	10.5	3.81	1	3
16970	100104	3	1	1	3	2	2	1	1	1	1	156	194	100	22.0	2	5	4	37.1	10.8	3.80	1	3
16971	100105	3	1	1	3	2	2	1	3	1	1	152	194	95	22.4	2	5	4	42.4	9.9	3.84	1	3
16972	100106	3	3	1	1	1	2	2	1	1	2	152	187	85	30.0	3	5	4	39.6	11.7	3.68	1	5
16973	100107	3	1	1	1	2	2	1	3	1	2	137	185	90	25.4	2	5	4	42.0	11.7	3.59	1	5
16974	100108	3	1	1	1	2	2	2	1	1	1	148	193	95	23.6	2	5	4	35.4	11.1	3.69	1	7
16975	100109	3	1	1	1	2	2	1	1	1	4	148	193	100	21.6	2	5	4	39.9	11.3	3.81	1	5
16976	100110	3	1	1	1	2	2	1	9	1	2	153	188	100	23.6	2	5	4	43.1	10.7	3.74	1	7
16977	100111	3	1	1	3	2	2	2	1	1	1	141	187	80	22.0	2	5	4	40.2	12.1	3.55	1	7
16978	100112	3	1	1	1	2	2	2	1	1	2	144	194	70	28.4	2	5	4	36.5	11.9	3.78	1	5
16979	100113	3	1	1	1	2	2	2	3	1	2	152	191	70	21.6	2	5	4	44.8	11.7	3.59	1	5
16980	100114	3	1	1	1	2	2	2	1	1	4	146	194	90	20.6	2	5	4	37.1	11.6	3.71	1	3
16981	100115	3	1	1	1	2	2	1	1	1	2	148	193	85	23.8	2	5	4	42.4	12.0	3.58	1	5
16982	100116	3	1	1	1	2	2	2	1	1	2	144	193	80	24.4	2	5	4	42.5	11.0	3.82	1	7
16983	100117	2	2	1	1	2	2	2	1	1	4	144	185	100	24.8	2	5	4	36.5	12.5	3.60	1	7
16984	100118	2	2	1	1	2	2	2	3	2	4	143	186	95	22.6	2	5	4	36.4	12.3	3.74	2	5
16985	100119	2	2	1	1	2	2	1	3	1	2	144	193	95	24.0	2	5	4	39.1	13.1	3.51	1	5
16986	100120	3	2	1	1	2	-	2	3	1	1	138	-	-	24.8	2	5	4	34.4	12.6	3.73	2	-

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
16987	100121	3	1	1	1	2	2	2	5	1	4	138	187	80	24.8	2	5	4	34.1	12.3	3.65		
16988	100122	3	1	1	3	2	2	2	3	1	3	144	194	80	21.8	3	5	4	42.3	11.8	3.64	1	5
16989	100123	3	1	1	9	2	2	1	7	2	3	148	193	95	22.6	2	5	4	34.7	11.3	3.71	1	9
16990	100124	3	1	1	9	2	2	1	7	2	3	148	193	100	24.0	2	5	4	35.6	9.2	4.13	1	7
16991	100125	2	2	1	3	1	2	2	3	1	1	128	186	90	22.4	3	5	4	43.3	10.4	3.75	1	9
16992	100126	3	2	1	1	2	2	-	3	1	1	148	192	90	29.0	3	5	4	40.0	11.0	3.72	1	7
16993	100127	2	2	1	1	2	2	2	5	1	4	144	189	90	22.8	3	5	4	42.2	11.8	3.72	1	3
16994	100128	2	2	1	3	2	1	2	3	1	4	138	193	85	23.4	3	5	4	34.9	13.6	3.67	1	3
16995	100129	2	3	2	1	2	2	2	1	1	4	138	189	90	28.0	2	5	4	43.1	13.2	3.56	1	5
16996	100130	2	3	2	1	2	2	2	1	1	4	142	191	100	29.6	2	5	4	42.8	13.8	3.40	1	5
16997	100131	2	3	2	1	2	2	2	1	1	4	142	191	100	30.6	2	5	4	42.3	13.5	3.40	1	7
16998	100132	2	3	2	1	2	2	2	1	1	4	134	189	100	30.0	2	5	4	46.9	15.3	3.33	1	5
16999	100133	2	3	2	1	2	2	2	1	1	1	138	188	100	32.0	2	5	4	42.1	14.3	3.28	1	5
17000	100134	2	3	2	1	2	2	2	1	1	4	134	187	105	31.8	2	5	4	41.1	13.8	3.26	1	3
17001	100135	2	3	2	1	2	2	2	1	1	4	137	186	95	27.8	2	5	4	42.1	14.0	3.35	1	5
17002	100136	2	3	2	1	2	2	1	3	1	2	134	183	85	23.6	2	5	4	52.5	13.1	3.43	1	9
17003	100137	2	3	2	1	2	2	1	3	1	4	136	187	70	29.0	2	5	4	36.2	10.3	3.88	1	9
17004	100138	2	3	2	1	2	2	1	3	1	1	128	187	85	28.0	2	5	4	50.9	11.4	3.94	1	9
17005	100139	2	3	1	1	2	1	2	3	1	4	128	185	90	27.0	2	5	4	48.7	12.9	3.48	1	7
17006	100140	1	3	2	1	2	1	1	3	1	4	128	187	100	29.0	2	5	4	49.6	13.6	3.52	1	9
17007	100141	3	1	1	1	2	2	2	3	1	4	148	194	100	31.0	2	5	4	38.8	12.0	3.58	1	5
17008	100142	3	1	1	1	2	2	2	3	1	2	158	201	110	24.0	2	5	4	42.5	12.6	3.65	1	3
17009	100143	3	1	1	3	2	2	1	3	1	2	162	201	105	28.0	2	5	4	45.5	13.1	3.43	1	3
17010	100144	2	2	1	1	1	2	2	3	1	2	128	187	95	20.8	3	5	4	42.0	11.5	3.65	1	7
17011	100145	3	1	1	1	2	2	1	9	1	2	-	198	100	24.0	2	5	4	42.3	11.2	3.66	1	7
17012	100146	2	2	1	1	2	2	2	3	1	4	137	185	106	26.0	2	5	4	38.9	11.9	3.78	1	9
17013	100147	3	1	1	1	2	2	1	3	1	2	148	194	100	23.4	2	5	4	43.1	12.0	3.66	1	9
17014	100148	3	1	1	1	2	2	2	3	1	1	148	194	110	24.0	2	5	4	30.0	12.5	3.60	1	9
17015	100149	3	1	1	1	2	2	1	3	1	1	151	194	105	25.4	2	5	4	44.8	10.7	3.64	1	7
17016	100150	3	1	1	1	2	2	1	9	1	2	152	194	110	20.4	2	5	4	50.3	12.1	3.63	1	5
17017	100151	3	1	1	1	2	2	2	3	1	1	148	194	95	30.8	2	5	4	35.7	10.8	3.79	1	5
17018	100152	3	1	1	1	2	2	2	3	1	1	148	194	100	23.0	2	5	4	35.9	11.9	3.69	1	5
17019	100153	3	1	1	1	2	2	2	3	1	1	148	194	100	27.0	2	5	4	34.4	10.2	3.72	1	3
17020	100154	3	1	1	1	2	2	2	3	1	1	152	194	100	21.6	2	5	4	36.7	11.0	3.81	1	3
17021	100155	1	3	1	1	2	2	1	3	1	1	128	194	100	24.0	2	5	4	44.6	13.4	3.58	1	9
17022	100156	1	3	1	1	2	1	2	3	1	4	126	184	85	26.0	2	5	5	30.2	10.6	3.77	1	7
17023	100157	2	3	2	1	2	2	2	3	1	4	148	198	80	32.8	2	5	4	41.7	13.6	3.45	1	3
17024	100158	3	1	2	9	2	2	2	7	2	3	144	189	105	32.6	2	5	4	56.8	14.8	3.37	1	5
17025	100159	2	2	2	1	2	2	2	1	1	1	133	187	95	34.4	2	5	4	50.2	13.8	3.40	1	7
17026	100160	2	3	1	1	1	2	2	3	1	4	125	185	98	23.6	2	5	4	30.6	12.6	3.73	1	9

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17027	100161	2	3	1	1	2	1	1	3	2	3	128	184	90	24.2	2	5	4	46.3	14.8	3.44	1	7
17028	100162	1	3	1	1	2	1	1	3	1	2	125	185	80	25.0	2	5	4	42.7	12.2	3.60	1	9
17029	100163	1	3	1	-	-	1	1	1	1	4	122	188	70	24.8	2	5	3	28.9	11.8	3.98	1	9
17030	100164	2	3	3	1	2	2	1	3	1	4	128	184	90	31.6	2	5	4	55.4	13.0	3.61	1	5
17031	100165	2	3	1	1	2	2	1	3	1	1	128	184	100	25.8	2	5	4	31.7	11.5	3.82	1	9
17032	100166	2	3	1	1	2	1	1	3	1	4	130	184	85	25.0	2	5	4	52.7	14.5	3.44	1	9
17033	100167	2	3	1	9	2	2	1	7	2	3	126	193	70	22.4	2	5	4	36.9	11.9	3.69	1	9
17034	100168	2	3	2	1	2	2	1	3	1	1	134	188	110	31.2	2	5	4	53.7	9.6	3.95	1	9
17035	100169	2	2	2	1	2	2	1	3	1	4	137	190	110	29.0	2	5	2	56.5	10.1	3.46	1	1
17036	100170	1	3	1	1	2	1	2	9	1	4	134	195	80	28.6	3	5	4	40.3	11.8	3.47	1	7
17037	100171	1	3	1	1	2	2	1	5	1	4	125	183	60	20.0	3	5	2	30.7	14.9	3.48	1	7
17038	100172	1	3	3	3	2	2	2	3	1	4	130	185	105	38.4	1	5	4	49.2	13.2	3.71	1	5
17039	100173	1	3	1	-	-	2	1	1	1	4	128	184	90	28.8	2	5	2	50.9	15.6	3.39	1	3
17040	100174	1	3	1	3	2	2	2	1	1	4	134	188	80	17.0	2	5	4	40.4	15.4	3.44	1	5
17041	100175	2	2	2	1	2	2	2	1	1	4	134	189	100	29.0	2	5	4	61.0	14.1	3.47	1	3
17042	100176	1	3	2	9	2	2	2	7	2	3	128	187	95	24.2	2	5	4	59.4	14.9	3.42	1	7
17043	100177	1	3	1	1	2	2	2	1	1	1	137	190	60	19.5	3	5	2	20.3	13.6	3.60	2	5
17044	100178	2	3	1	1	2	2	2	1	1	1	143	190	80	27.8	3	5	4	43.5	13.3	3.53	2	7
17045	100179	-	3	1	1	2	2	1	1	1	1	143	197	55	26.2	3	5	4	27.4	14.7	3.67	1	7
17046	100180	2	2	1	3	2	2	2	3	1	4	134	189	70	22.6	1	5	4	33.1	13.4	3.58	1	9
17047	100181	2	2	1	-	-	2	2	1	1	4	143	193	65	18.5	3	5	2	18.7	13.2	3.63	2	5
17048	100182	2	3	1	-	-	2	1	3	1	4	134	187	90	24.6	1	5	1	32.2	14.0	3.42	2	9
17049	100183	2	3	1	-	-	2	2	5	1	4	128	190	70	27.4	3	5	1	30.0	19.0	3.15	1	1
17050	100184	2	3	1	-	-	1	1	3	1	4	135	195	60	32.4	3	5	1	28.4	18.6	3.11	2	1
17051	100185	2	3	1	1	2	2	1	3	1	4	125	181	95	24.0	3	5	4	31.9	13.4	3.50	1	7
17052	100186	2	3	1	1	2	2	2	1	1	4	137	194	85	16.5	3	5	2	28.5	16.6	3.37	1	5
17053	100187	2	3	2	1	-	2	2	1	1	4	134	185	110	28.4	3	5	2	47.0	15.2	3.42	1	3
17054	100188	1	3	3	1	2	2	1	3	1	4	135	195	95	29.6	1	5	4	37.3	16.5	3.45	1	7
17055	100189	2	3	1	1	2	2	1	5	1	4	132	194	60	19.0	3	5	2	37.6	10.6	3.96	1	3
17056	100190	1	3	1	1	2	2	1	1	1	4	137	192	75	21.8	3	5	4	46.2	16.3	3.43	1	5
17057	100191	2	3	2	1	2	2	2	1	1	2	144	192	100	24.0	2	5	4	46.9	12.9	3.64	1	5
17058	100192	2	3	1	1	2	1	1	1	1	1	137	186	90	20.6	3	5	4	22.8	12.9	3.64	1	5
17059	100193	2	3	2	-	-	2	2	1	1	4	134	187	110	27.8	1	5	2	54.0	14.9	3.42	1	5
17060	100194	1	3	1	1	1	2	2	1	1	4	148	193	75	24.6	2	5	4	37.1	17.0	3.29	2	1
17061	100195	2	3	2	9	2	2	1	7	2	3	132	185	95	32.0	2	5	4	36.1	14.3	3.56	1	9
17062	100196	2	3	1	1	2	2	2	3	1	4	128	192	60	26.8	2	5	4	43.1	11.6	3.70	1	5
17063	100197	1	3	1	-	-	2	1	5	1	4	134	190	45	22.2	2	5	3	21.0	14.3	3.63	2	1
17064	100198	1	3	1	3	2	2	2	5	1	4	136	190	50	27.0	3	5	4	20.9	14.8	3.58	1	1
17065	100199	1	3	1	3	2	2	1	5	1	4	135	188	46	25.4	2	5	3	16.6	14.5	3.65	1	1
17066	100200	1	3	1	3	2	2	2	5	1	4	134	191	55	26.4	3	5	4	21.5	13.7	3.64	2	1

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17067	100201	1	3	1	3	2	2	1	5	1	1	137	187	45	20.4	2	5	3	18.9	13.1	3.74	1	1
17068	100202	1	3	1	3	2	2	2	5	1	1	137	187	45	25.0	2	5	3	19.5	12.8	3.82	1	1
17069	100203	2	3	1	3	2	2	2	5	1	1	143	190	50	18.0	2	5	3	17.2	18.9	3.06	1	1
17070	100204	2	1	1	3	1	1	1	3	1	4	143	196	40	20.6	2	5	4	25.7	12.3	3.65	1	1
17071	100205	2	3	1	3	2	2	2	5	1	4	138	191	40	23.2	2	5	4	21.3	12.8	3.90	1	1
17072	100206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17073	100207	2	3	1	3	2	2	1	3	1	4	151	191	50	22.8	3	5	4	24.1	17.4	3.21	2	1
17074	100208	2	2	1	-	-	2	2	1	1	4	134	189	90	27.8	1	5	2	25.7	11.4	3.85	1	3
17075	100209	2	3	2	1	2	2	1	1	1	4	134	188	115	29.6	3	5	4	57.9	15.1	3.37	1	3
17076	100210	2	3	1	-	-	2	2	5	1	4	134	191	65	22.0	3	5	1	28.8	13.1	3.66	1	5
17077	100211	2	3	1	1	2	2	1	7	1	4	133	187	55	23.0	2	5	4	14.6	14.4	3.61	1	5
17078	100212	2	1	1	1	2	2	1	9	1	4	137	194	80	22.0	2	5	4	34.0	9.6	4.16	1	1
17079	100213	2	2	1	-	-	2	1	5	1	4	137	187	90	16.0	3	5	2	30.4	12.8	3.82	1	3
17080	100214	2	2	1	1	2	2	1	3	1	4	105	190	80	25.0	2	5	4	29.1	13.7	3.57	1	9
17081	100215	2	2	1	1	2	2	1	3	1	4	159	193	70	21.6	2	5	4	30.4	14.8	3.44	1	1
17082	100216	2	2	1	1	2	2	1	3	1	4	159	193	70	24.0	2	5	4	24.8	13.2	3.63	1	1
17083	100217	1	3	1	3	2	2	1	3	1	4	159	191	50	27.4	3	5	4	23.3	17.2	3.25	2	1
17084	100218	1	3	1	-	-	2	2	3	1	1	126	178	75	28.8	3	4	3	31.2	13.0	3.53	1	1
17085	100219	1	3	2	-	-	2	2	3	1	4	133	185	75	26.2	3	5	1	46.2	15.9	3.20	1	1
17086	100220	2	2	2	1	2	2	2	3	1	4	144	196	65	30.8	2	5	4	-	13.1	3.74	1	7
17087	100221	1	3	2	-	-	2	1	3	1	1	138	196	70	26.8	2	5	3	33.5	14.7	3.60	1	1
17088	100222	1	3	1	3	2	2	1	3	1	4	107	184	80	9.8	2	5	5	44.5	12.9	3.64	1	5
17089	100223	2	3	1	1	2	2	2	3	1	1	138	191	70	26.8	3	5	4	43.0	15.0	3.46	2	1
17090	100224	2	2	1	1	2	1	2	9	1	4	151	197	65	16.0	3	5	4	51.5	13.8	3.55	2	1
17091	100225	2	3	1	-	-	2	2	5	1	1	138	188	65	15.5	3	5	2	32.7	17.0	3.17	2	1
17092	100226	2	1	1	1	2	1	2	1	1	4	144	197	85	24.8	2	5	4	30.3	17.4	3.27	1	1
17093	100227	2	2	1	1	1	2	1	3	1	4	137	190	85	30.0	1	5	4	37.8	15.6	3.39	1	3
17094	100228	2	3	1	-	-	2	2	3	1	4	128	188	65	14.5	3	5	2	29.7	15.6	3.33	2	1
17095	100229	-	-	1	1	1	-	2	3	2	-	137	-	-	21.4	3	5	4	-	-	-	1	-
17096	100230	2	3	1	1	2	2	2	3	1	1	134	185	85	29.4	3	5	3	32.7	10.8	3.98	2	1
17097	100231	1	3	1	1	2	1	2	3	1	4	128	185	85	28.6	2	5	5	25.0	16.0	3.12	2	3
17098	100232	2	2	1	1	2	2	1	3	1	1	144	193	95	22.4	2	5	4	45.2	11.2	3.83	1	7
17099	100233	2	3	1	1	2	2	1	3	1	4	107	189	80	20.0	2	5	5	32.3	12.5	3.92	1	7
17100	100234	2	2	1	3	1	2	1	1	1	4	145	194	85	23.0	3	5	4	56.9	17.0	3.11	1	7
17101	100235	2	3	1	-	-	2	1	5	1	4	128	185	75	13.5	3	5	2	33.6	14.0	3.50	1	5
17102	100236	1	3	1	9	2	2	2	7	2	3	132	189	100	24.6	2	5	4	34.9	11.1	3.69	1	5
17103	100237	2	3	2	-	-	2	2	1	1	4	132	188	100	31.6	2	5	2	54.5	14.7	3.46	1	3
17104	100238	2	3	1	1	2	2	1	1	1	1	138	188	95	21.6	2	5	4	44.6	9.6	3.95	1	3
17105	100239	1	3	1	-	-	2	1	1	1	4	137	189	80	16.0	2	5	1	27.0	17.3	3.29	2	1
17106	100240	2	3	2	1	2	2	2	1	1	4	134	188	92	30.6	3	5	4	35.5	14.8	3.44	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KOO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17107	100241	2	3	1	3	2	2	1	1	1	4	143	197	80	22.4	2	5	4	44.8	16.1	3.16	1	1
17108	100242	2	2	2	-	-	2	2	1	1	4	133	197	95	21.8	2	5	2	48.8	-	-	1	5
17109	100243	2	1	2	-	-	2	2	1	1	1	134	190	105	30.8	2	5	2	30.0	13.8	3.62	1	7
17110	100244	2	3	1	-	-	2	1	1	1	4	132	194	70	29.4	3	5	2	42.0	15.4	3.31	1	1
17111	100245	2	3	1	1	2	2	2	1	1	1	135	189	85	27.6	2	5	4	30.3	10.3	3.78	1	3
17112	100246	2	3	2	-	-	2	1	1	1	4	130	194	87	35.4	3	5	1	39.9	14.7	3.33	2	1
17113	100247	2	3	1	-	-	2	1	1	1	4	133	190	85	31.0	2	5	1	23.2	13.6	3.52	1	3
17114	100248	2	3	1	1	1	2	2	3	1	4	127	187	105	26.8	1	5	5	38.5	13.2	3.63	1	5
17115	100249	2	2	2	-	-	2	1	1	1	2	135	190	105	33.6	2	5	3	44.6	14.3	3.49	1	1
17116	100250	1	3	1	1	2	2	1	3	1	1	128	186	105	21.6	3	5	4	46.6	11.1	3.60	1	1
17117	100251	2	3	1	1	2	2	2	5	1	4	132	189	105	14.8	3	5	2	35.2	16.0	3.37	2	1
17118	100252	2	3	2	-	-	2	1	3	1	2	128	191	100	27.2	3	5	2	53.9	16.4	3.23	2	3
17119	100253	2	3	2	-	-	2	1	3	1	2	128	187	105	34.6	3	5	2	46.8	16.0	3.25	2	1
17120	100254	2	3	2	-	-	2	1	3	1	2	128	187	110	34.4	3	4	2	53.0	16.2	3.27	2	1
17121	100255	2	3	2	-	-	2	1	3	1	4	128	188	110	35.8	3	4	2	50.7	15.8	3.22	1	3
17122	100256	2	3	3	1	2	2	2	1	1	1	138	189	125	24.4	1	5	4	46.4	13.1	3.74	2	3
17123	100257	1	3	3	1	2	2	1	9	1	4	144	189	125	28.6	1	5	4	54.4	14.5	3.44	2	3
17124	100258	2	1	2	-	-	2	1	9	1	4	144	198	82	28.4	3	4	2	36.7	17.7	3.27	2	1
17125	100259	2	2	2	1	2	2	1	1	1	4	138	190	100	26.0	2	4	4	39.0	14.0	3.35	1	1
17126	100260	2	3	3	9	2	2	2	7	2	3	132	192	120	28.0	1	5	4	48.4	17.7	3.27	2	3
17127	100261	2	3	2	-	-	2	1	3	1	2	135	191	90	25.6	3	4	2	45.0	16.9	3.31	1	1
17128	100262	1	3	1	1	2	2	2	9	1	4	138	196	80	21.4	2	5	4	40.4	18.6	3.22	1	7
17129	100263	2	2	1	1	2	2	1	1	1	4	136	194	105	24.2	1	5	4	42.8	11.4	3.59	1	7
17130	100264	2	2	1	3	2	2	1	5	1	1	137	195	105	25.4	2	5	4	34.6	13.2	3.56	1	5
17131	100265	2	2	1	3	2	2	2	9	1	2	126	189	90	22.0	2	5	4	40.8	9.6	4.27	1	3
17132	100266	2	3	1	1	1	2	1	3	1	1	128	188	82	29.2	2	5	4	37.5	11.4	3.68	1	5
17133	100267	2	3	2	1	2	2	1	3	1	1	132	189	80	24.4	2	5	4	49.2	11.5	3.56	1	3
17134	100268	2	3	2	1	2	2	1	9	1	1	122	189	80	21.6	2	5	4	48.4	11.8	3.38	2	7
17135	100269	2	3	1	1	2	2	2	9	1	4	144	197	80	29.6	2	5	4	39.3	11.7	3.41	1	3
17136	100270	1	3	1	9	2	2	1	7	2	3	135	191	115	28.0	2	5	4	46.8	12.5	3.76	1	5
17137	100271	2	3	1	1	2	2	1	3	1	4	132	188	105	21.8	2	5	4	45.9	12.9	3.72	1	5
17138	100272	2	3	1	1	2	2	1	3	1	1	127	187	102	24.6	2	5	4	39.5	11.6	3.87	1	5
17139	100273	2	3	2	1	2	1	1	5	1	2	135	188	105	28.6	2	5	4	49.4	16.7	3.17	1	3
17140	100274	1	3	2	3	2	1	1	1	1	4	132	187	90	26.8	2	5	4	53.7	15.7	3.18	1	3
17141	100275	1	3	2	9	2	1	1	7	2	3	128	189	95	27.8	2	5	4	43.1	15.3	3.39	1	5
17142	100276	2	3	3	9	2	2	1	7	2	3	127	182	80	25.6	2	4	4	51.7	14.4	3.61	1	7
17143	100277	1	3	3	7	2	2	5	2	4	4	135	187	100	22.8	2	5	4	48.3	13.8	3.55	1	5
17144	100278	1	3	1	1	2	1	1	9	1	2	128	186	90	25.0	2	5	4	32.6	12.8	3.59	1	7
17145	100279	2	3	1	1	2	2	1	1	2	4	130	185	104	24.6	1	4	4	48.5	11.9	3.69	1	3
17146	100280	1	3	1	1	2	2	1	5	1	1	127	190	90	23.6	2	5	4	33.9	12.0	3.83	1	7

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17147	100281	1	3	1	1	2	2	1	3	2	4	127	192	105	20.4	2	5	4	40.5	11.9	3.86	1	7
17148	100282	1	3	3	1	2	2	1	9	1	2	127	189	90	27.8	2	5	4	45.6	12.2	3.60	1	7
17149	100283	1	3	1	1	2	2	2	9	1	2	127	185	82	19.4	2	5	4	33.7	12.3	3.57	1	7
17150	100284	1	3	3	1	2	2	1	3	1	1	128	184	75	21.8	2	5	4	43.2	10.7	4.01	1	9
17151	100285	1	3	2	1	2	2	1	3	1	4	132	187	105	33.2	2	5	4	61.2	15.2	3.42	1	9
17152	100286	1	3	1	1	2	2	1	9	1	1	128	189	80	25.8	2	5	4	40.9	11.1	3.60	1	3
17153	100287	1	3	3	1	2	2	1	9	2	4	128	187	100	27.2	1	5	4	38.7	13.1	3.58	1	7
17154	100288	2	3	1	1	2	1	1	1	1	2	126	185	90	23.0	2	5	4	36.0	13.4	3.58	1	3
17155	100289	1	3	1	1	2	1	1	1	1	4	130	185	90	21.4	3	5	4	35.1	12.1	3.63	1	3
17156	100290	1	3	1	3	2	1	1	9	1	3	128	187	85	17.8	2	5	4	42.4	12.6	3.57	1	1
17157	100291	1	3	3	1	2	2	1	1	1	4	127	187	90	25.6	1	5	4	49.8	12.7	3.54	1	1
17158	100292	2	3	1	1	2	2	1	9	2	4	128	187	104	24.4	3	5	4	39.5	13.6	3.52	1	3
17159	100293	1	3	1	7	2	2	1	7	2	4	128	183	100	21.0	3	4	4	38.1	12.8	3.59	1	3
17160	100294	1	3	2	1	2	2	1	9	1	4	126	180	100	32.4	1	4	4	45.2	14.5	3.44	1	1
17161	100295	1	3	3	3	2	2	2	9	1	4	125	180	105	31.8	2	4	4	58.8	14.4	3.40	1	7
17162	100296	2	3	3	1	2	2	1	1	1	1	128	183	100	30.6	2	4	4	54.2	14.1	3.40	1	7
17163	100297	1	3	1	1	2	2	2	7	2	3	126	183	100	31.0	2	5	4	40.9	12.3	3.73	1	5
17164	100298	2	3	3	1	2	2	1	1	1	1	127	187	100	28.6	2	5	4	47.9	14.3	3.35	1	7
17165	100299	2	3	2	1	2	2	1	1	1	1	127	188	90	29.6	2	5	4	44.2	12.6	3.65	1	5
17166	100300	2	3	1	1	1	1	2	5	1	4	128	188	100	24.4	3	5	4	45.6	13.7	3.43	1	5
17167	100301	2	3	2	9	2	2	1	7	2	3	126	179	90	23.4	2	4	4	55.8	12.5	3.76	1	7
17168	100302	1	3	1	1	2	2	1	3	1	4	135	191	100	21.8	2	5	4	42.6	12.9	3.64	1	7
17169	100303	1	3	1	1	2	2	1	3	1	4	135	189	95	25.0	1	5	4	39.7	12.8	3.59	1	5
17170	100304	1	3	3	1	2	2	2	3	1	4	127	186	75	22.2	2	5	4	40.1	11.8	3.72	1	9
17171	100305	2	3	1	1	2	2	1	3	1	4	127	186	85	25.8	2	5	4	45.5	13.2	3.71	1	7
17172	100306	2	3	1	1	2	2	2	5	1	4	127	184	80	23.0	2	5	4	44.1	11.7	3.84	1	5
17173	100307	1	3	3	1	2	2	2	3	1	2	107	190	85	24.0	2	5	4	45.4	13.1	3.51	1	9
17174	100308	1	3	1	1	2	2	2	9	1	1	127	187	100	22.0	2	5	4	44.0	12.1	3.80	1	7
17175	100309	1	3	1	1	2	2	1	3	1	1	127	187	105	21.8	1	5	4	39.9	11.6	3.79	1	5
17176	100310	2	3	1	1	2	2	1	3	1	4	117	181	95	22.2	1	5	4	39.1	12.5	3.76	1	7
17177	100311	1	3	1	1	2	2	2	9	2	4	128	191	90	26.4	2	4	4	46.9	12.8	3.67	1	9
17178	100312	1	3	3	1	2	2	2	9	1	4	125	180	80	21.8	2	4	4	41.5	12.6	3.65	1	9
17179	100313	1	3	3	9	2	2	2	7	2	3	125	185	80	24.8	2	5	4	56.8	13.0	3.53	1	9
17180	100314	1	3	1	1	2	2	2	3	1	4	125	185	97	24.2	2	5	4	55.9	12.8	3.67	1	9
17182	100315	1	3	1	1	2	2	2	9	1	1	125	183	90	20.6	2	5	4	61.1	12.4	3.70	1	9
17183	100316	1	3	1	7	2	2	2	9	1	4	125	186	85	21.0	2	5	4	55.9	12.9	3.72	1	9
17184	100317	1	3	1	1	2	2	2	3	1	4	122	182	85	22.0	2	4	4	49.3	12.3	3.73	1	9
17185	100318	1	3	1	1	2	2	2	3	1	2	127	183	85	21.0	2	5	4	36.2	11.9	3.86	2	9
17186	100319	2	3	1	1	1	2	2	9	2	4	127	186	87	22.0	2	5	4	39.7	12.6	3.65	1	9
17187	100320	2	3	1	7	2	2	2	9	2	4	128	185	100	25.4	1	5	4	47.6	12.6	3.65	1	9

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17188	100321	1	3	1	1	2	2	2	3	1	1	128	194	100	29.0	1	5	4	39.9	12.9	3.72	1	9
17189	100322	1	3	3	9	2	2	2	7	2	3	127	191	105	29.4	1	5	4	45.0	13.2	3.71	1	9
17190	100323	2	3	3	1	2	2	1	1	1	4	128	192	95	25.0	1	5	4	53.6	13.2	3.63	1	7
17191	100324	2	3	1	3	2	2	2	3	1	1	126	185	90	24.2	1	5	4	42.7	13.2	3.71	1	9
17192	100325	2	3	1	1	2	2	2	9	1	1	126	188	105	23.0	2	5	4	56.6	12.6	3.65	1	7
17193	100326	1	3	1	3	2	2	2	3	1	4	122	185	90	24.6	2	5	4	53.5	13.1	3.58	1	7
17194	100327	1	3	3	7	2	2	2	9	2	4	122	181	90	21.8	1	5	4	35.0	13.2	3.63	1	9
17195	100328	1	3	3	1	2	2	2	3	1	4	128	184	92	24.6	1	5	4	40.5	12.6	3.57	1	9
17196	100329	1	3	3	1	2	2	2	9	1	2	126	186	99	23.0	3	5	4	44.9	12.6	3.57	1	9
17197	100330	1	3	1	3	2	2	2	3	1	4	122	181	100	28.0	3	5	4	53.7	12.7	3.70	1	9
17198	100331	1	3	3	7	2	2	2	7	2	4	127	181	95	25.6	2	4	4	40.5	13.6	3.60	1	9
17199	100332	2	3	3	1	2	2	1	9	2	4	122	180	95	24.6	2	5	4	49.8	14.1	3.40	1	9
17200	100333	1	3	1	1	2	2	2	9	2	4	122	183	100	26.4	3	4	4	49.5	14.8	3.51	1	5
17201	100334	2	3	1	1	2	2	2	3	1	1	127	186	105	27.8	2	5	4	44.2	13.2	3.78	1	5
17202	100335	1	3	1	1	2	2	2	3	1	1	127	186	105	27.0	2	5	4	45.1	12.4	3.70	1	3
17203	100336	1	3	1	1	2	2	2	5	1	1	130	187	111	23.8	2	5	4	43.5	10.1	4.15	1	3
17204	100337	2	3	1	7	2	2	2	7	2	3	127	186	105	25.4	2	5	4	43.6	12.0	3.83	1	5
17205	100338	2	2	1	1	2	2	2	9	2	4	122	185	90	25.0	2	5	4	47.5	12.0	3.75	1	9
17206	100339	2	3	1	1	2	2	2	9	1	2	127	181	100	24.6	2	4	4	60.5	14.7	3.53	1	3
17207	100340	1	3	1	1	2	2	2	3	1	4	127	182	85	21.2	2	5	4	54.6	12.8	3.59	1	7
17208	100341	1	3	1	1	2	2	2	3	1	4	122	185	108	21.8	3	5	4	52.9	12.6	3.73	1	7
17209	100342	1	3	1	1	2	2	2	5	1	4	122	181	105	21.2	3	4	4	49.4	13.4	3.65	1	5
17210	100343	1	3	1	1	2	2	2	5	1	4	122	180	100	24.0	3	4	4	56.6	13.4	3.65	1	5
17211	100344	1	3	1	1	2	2	2	5	1	4	122	183	95	17.8	3	4	4	52.3	13.5	3.62	1	3
17212	100345	1	3	1	1	2	1	1	3	1	4	126	182	75	20.4	2	5	4	25.6	12.8	3.67	1	9
17213	100346	1	3	1	1	2	2	2	9	1	4	126	185	90	22.0	2	5	4	39.4	12.4	3.70	1	7
17214	100347	2	3	1	1	2	2	2	3	1	1	127	186	85	23.4	3	5	4	45.1	13.8	3.62	1	5
17215	100348	1	3	1	1	2	2	2	3	1	4	128	181	92	26.4	3	5	4	51.2	13.8	3.55	1	5
17216	100349	1	3	1	1	2	2	2	9	2	4	132	182	100	21.0	3	5	4	48.3	13.6	3.67	1	5
17217	100350	1	3	3	1	2	2	2	9	1	2	128	181	87	19.8	2	4	4	41.6	12.8	3.59	1	5
17218	100351	1	3	1	9	2	2	2	7	2	3	135	193	100	25.4	2	5	4	48.3	13.5	3.62	1	5
17219	100352	1	3	3	1	2	2	1	9	1	4	135	194	100	23.8	1	5	4	46.4	15.0	3.46	1	7
17220	100353	2	3	1	1	2	2	1	3	1	1	132	190	100	22.4	2	5	4	41.0	13.9	3.52	1	7
17221	100354	1	3	1	1	2	2	2	9	2	4	130	185	100	29.2	2	4	4	46.1	11.8	3.81	1	7
17222	100355	2	3	1	1	2	2	1	3	1	1	130	186	90	23.4	3	5	4	47.9	12.2	3.68	1	9
17223	100356	2	3	2	1	2	2	1	9	1	4	136	186	90	26.8	2	5	4	55.0	13.7	3.57	1	3
17224	100357	1	3	1	1	2	2	2	9	2	4	132	185	95	23.0	2	4	4	39.0	12.5	3.60	1	5
17225	100358	2	3	3	1	2	2	1	9	2	4	132	187	85	20.3	1	5	4	55.0	13.1	3.66	1	7
17226	100359	2	3	3	1	2	2	1	9	1	4	132	188	90	23.8	1	5	4	53.9	12.2	3.52	1	9
17227	100360	1	3	1	9	2	2	2	7	2	3	127	188	95	20.8	2	5	4	46.1	12.8	3.59	2	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17228	100361	1	3	1	1	2	2	2	5	1	1	127	188	100	27.2	3	5	4	44.1	12.7	3.54	1	5
17229	100362	1	3	1	1	2	2	2	5	1	1	127	187	90	22.4	3	5	4	45.0	12.4	3.62	1	7
17230	100363	2	3	3	1	2	2	2	3	1	1	128	183	73	21.0	2	4	4	49.3	12.7	3.62	1	9
17231	100364	2	3	1	1	2	2	1	3	1	4	128	187	80	20.8	2	5	4	43.5	13.0	3.61	1	7
17231	100365	1	3	1	1	2	2	1	3	1	1	130	187	95	24.0	2	5	4	37.9	13.6	3.52	1	5
17232	100366	1	3	3	1	2	2	2	1	1	4	130	185	105	24.8	3	5	4	44.8	14.0	3.35	1	5
17233	100367	1	3	3	1	2	2	1	1	1	4	128	192	95	26.6	1	5	4	54.1	14.7	3.26	1	5
17234	100368	2	3	1	1	2	2	1	1	1	1	135	191	110	22.6	3	5	4	47.3	14.2	3.52	1	3
17235	100369	2	3	3	1	2	2	1	9	1	4	133	191	100	23.0	1	5	4	45.5	13.5	3.48	1	3
17236	100370	1	3	2	1	2	2	1	5	1	2	133	190	105	26.6	1	5	4	51.9	12.0	3.83	1	3
17237	100371	2	3	3	1	2	2	1	5	2	4	135	188	105	24.4	1	5	4	46.2	14.9	3.48	1	5
17238	100372	2	2	1	1	2	2	1	3	1	4	135	189	95	24.8	2	5	4	46.6	16.9	3.25	1	5
17239	100373	1	3	3	1	2	2	1	9	1	4	135	194	100	25.4	1	5	4	41.4	16.2	2.77	1	5
17240	100374	1	3	1	1	2	2	1	9	1	1	127	192	85	26.2	2	5	4	43.1	12.4	3.54	1	5
17241	100375	2	3	3	1	2	2	1	3	1	1	132	192	100	28.6	2	5	4	42.6	13.4	3.58	1	5
17242	100376	1	3	3	1	2	2	1	7	2	3	128	190	105	27.6	2	5	4	51.1	13.8	3.55	1	7
17243	100377	1	3	3	7	2	2	1	9	2	4	138	189	105	20.8	1	5	4	47.1	15.9	3.33	2	5
17244	100378	1	3	3	1	2	2	1	3	1	1	138	192	95	22.2	2	5	4	44.7	16.1	3.29	1	5
17245	100379	1	3	3	9	2	2	1	7	2	3	135	191	95	20.2	2	5	4	35.8	15.8	3.35	1	5
17246	100380	1	3	3	1	2	2	2	9	1	2	122	183	90	22.0	2	4	4	40.6	10.9	4.03	1	7
17247	100381	1	3	1	1	2	2	1	3	1	1	132	187	105	26.0	2	5	4	44.7	12.4	3.54	1	3
17248	100382	1	3	3	1	2	2	1	3	1	4	138	194	90	21.6	2	5	4	38.8	14.8	3.44	1	9
17249	100383	1	3	3	1	2	2	1	3	1	1	139	193	95	25.8	1	5	4	42.7	13.9	3.45	1	5
17250	100384	1	3	1	1	2	2	1	3	1	2	128	191	100	22.8	2	5	4	40.9	12.8	3.67	1	5
17251	100385	1	3	1	1	2	2	1	9	1	1	128	191	90	19.8	2	5	4	44.6	12.8	3.51	1	9
17252	100386	1	3	3	1	2	2	1	3	1	4	128	192	95	24.0	2	5	4	44.2	15.6	3.33	1	7
17253	100387	2	3	3	1	2	2	1	9	1	4	135	186	100	25.4	1	5	4	47.4	12.8	3.67	1	3
17254	100388	1	3	1	1	2	2	1	3	1	1	135	191	100	25.0	2	5	4	43.9	12.9	3.56	1	3
17255	100389	1	3	1	1	2	2	1	3	1	1	135	193	100	22.8	2	5	4	43.1	13.9	3.45	1	3
17256	100390	1	3	1	1	2	2	1	7	2	2	128	193	105	23.2	2	5	4	39.5	13.3	3.68	1	3
17257	100391	1	3	1	1	2	2	1	9	2	4	130	193	100	23.4	2	5	4	39.9	13.5	3.40	1	3
17258	100392	1	3	3	1	2	2	1	9	1	1	132	193	90	25.0	2	5	4	42.0	13.8	3.62	1	7
17259	100393	1	3	1	1	2	2	1	9	1	1	135	193	85	20.6	2	5	4	42.1	11.7	3.76	2	7
17260	100394	1	3	1	1	2	2	1	9	1	2	136	197	90	22.0	2	5	4	48.7	15.3	3.33	1	7
17261	100395	1	3	1	1	2	2	1	7	2	4	138	198	90	20.4	2	5	4	41.2	13.4	3.43	1	7
17262	100396	1	3	3	1	2	2	1	9	1	4	127	192	90	21.8	2	5	4	54.2	13.3	3.53	1	5
17263	100397	1	3	3	1	2	2	1	1	1	4	122	185	70	25.4	2	5	4	42.9	11.4	3.85	1	7
17264	100398	1	3	3	1	2	2	2	9	1	4	126	185	80	26.8	2	5	4	48.5	14.2	3.45	1	7
17265	100399	1	3	3	1	2	2	2	7	2	4	126	185	70	31.0	2	5	4	49.6	13.8	3.55	1	5
17266	100400	1	3	3	1	2	2	2	3	1	4	122	189	75	24.0	2	5	4	55.0	14.4	3.33	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17267	100401	1	3	1	1	2	2	2	9	2	4	127	188	95	23.8	3	4	4	50.3	13.1	3.58	2	9
17268	100402	1	3	1	1	2	2	1	3	1	4	127	187	100	24.2	3	5	4	42.9	12.1	3.71	1	7
17269	100403	2	3	1	1	2	2	1	7	2	2	125	187	90	22.8	2	5	4	40.7	13.2	3.56	1	3
17270	100404	2	3	1	1	2	2	1	3	1	1	130	190	100	21.0	2	5	4	44.2	14.8	3.44	1	9
17271	100405	1	3	3	1	2	2	1	1	1	4	132	190	97	28.0	2	5	4	51.7	13.0	3.61	1	7
17272	100406	1	3	2	1	2	2	1	3	1	2	135	190	100	27.2	2	5	4	54.6	13.7	3.57	1	5
17273	100407	1	3	1	9	2	2	1	7	2	3	132	188	111	26.4	2	5	4	44.7	14.0	3.50	1	3
17274	100408	1	3	3	1	2	2	2	1	1	4	127	181	90	21.6	2	5	4	48.3	13.5	3.48	1	9
17275	100409	1	3	1	1	2	2	1	1	1	2	127	187	100	24.2	2	5	4	44.2	11.5	3.65	1	5
17276	100410	1	3	3	1	2	2	1	9	1	4	128	190	105	25.0	1	5	4	46.6	14.6	3.35	1	5
17277	100411	1	3	3	1	2	2	1	3	1	1	127	190	110	22.0	2	5	4	47.8	14.0	3.35	1	5
17278	100412	1	3	1	1	2	2	1	3	1	1	127	188	85	21.4	2	5	4	38.9	14.7	3.19	1	5
17279	100413	1	3	1	1	2	2	1	9	2	4	126	186	115	26.4	2	4	4	48.0	13.5	3.48	2	3
17280	100414	1	3	3	1	2	2	1	7	2	4	126	186	109	23.2	2	4	4	47.3	14.2	3.45	2	7
17281	100415	2	3	1	1	2	2	1	9	2	3	127	196	105	20.0	1	5	4	46.5	14.1	3.54	1	5
17282	100416	2	3	3	1	2	2	1	1	2	2	128	192	95	22.8	1	5	4	42.2	12.4	3.62	1	5
17283	100417	1	3	3	1	2	2	1	1	1	1	128	185	100	31.8	2	5	4	55.7	14.8	3.44	1	3
17284	100418	2	3	1	1	2	2	1	3	1	1	128	188	90	24.8	3	5	4	43.1	11.8	3.55	2	5
17285	100419	1	3	1	9	2	2	1	7	1	3	126	187	85	22.4	3	5	4	46.8	12.4	3.62	1	1
17286	100420	2	3	1	1	2	2	1	3	1	1	126	189	100	22.0	2	5	4	45.8	12.6	3.65	1	1
17287	100421	2	1	1	3	2	2	1	9	1	1	126	191	100	22.8	2	5	4	44.3	12.7	3.62	1	5
17288	100422	2	3	1	1	2	2	2	9	1	4	126	187	102	22.0	2	5	4	46.1	13.1	3.58	1	7
17289	100423	2	3	2	1	2	1	2	1	1	2	132	192	92	26.4	2	5	4	47.9	14.3	3.42	1	5
17290	100424	2	3	2	1	2	1	1	1	2	3	128	192	80	24.2	1	5	4	39.7	16.4	3.23	1	5
17291	100425	3	3	1	1	2	2	1	3	1	1	128	194	85	27.6	2	5	4	37.0	13.2	3.10	1	1
17292	100426	2	1	1	3	2	2	1	9	1	2	138	194	80	27.8	2	5	4	32.7	11.6	3.53	1	3
17293	100427	2	3	1	1	2	2	1	3	1	2	127	185	90	25.8	2	5	4	37.7	10.9	3.57	1	3
17294	100428	2	3	2	1	2	2	2	3	1	4	150	197	80	36.0	2	5	4	45.5	14.2	3.09	1	1
17295	100429	2	3	2	1	2	2	2	3	1	4	142	194	75	23.0	2	5	4	49.4	13.2	3.33	1	1
17296	100430	2	3	2	1	2	2	1	3	1	4	135	194	85	29.6	2	5	4	40.8	12.7	3.62	1	1
17297	100431	2	3	1	1	2	2	1	3	1	1	126	194	75	23.4	2	5	4	38.9	12.9	3.56	2	1
17298	100432	3	2	2	1	2	2	1	3	1	4	137	194	85	28.4	2	5	4	40.7	11.5	3.65	2	1
17299	100433	2	1	2	1	2	2	1	3	1	2	153	197	85	29.6	2	5	4	56.3	14.0	3.50	1	1
17300	100434	2	2	2	1	2	2	1	3	1	1	150	194	85	32.0	2	5	4	50.6	13.7	3.57	1	1
17301	100435	2	2	2	1	2	2	2	5	1	4	138	197	85	32.8	2	5	4	50.1	12.4	3.54	2	3
17302	100436	2	3	2	1	2	2	2	3	1	1	137	194	90	29.8	2	5	4	54.6	13.9	3.45	1	1
17303	100437	2	3	2	1	2	1	2	3	1	4	135	193	75	30.0	2	5	4	36.1	12.6	3.41	1	1
17304	100438	1	3	2	1	2	2	1	3	1	1	128	194	80	29.6	2	5	4	48.1	12.7	3.70	2	3
17305	100439	2	3	1	3	2	1	2	1	1	4	135	185	65	28.6	3	5	4	25.6	10.0	3.60	2	3
17306	100440	3	3	2	1	2	2	1	3	1	4	135	194	95	34.0	2	5	4	41.9	10.9	3.48	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17307	100441	2	1	1	1	2	2	1	3	1	1	158	197	95	28.0	2	5	4	33.2	13.3	3.53	1	3
17308	100442	2	3	1	1	2	2	2	3	1	1	137	194	90	32.4	2	5	4	24.8	13.8	3.55	1	5
17309	100443	2	3	1	1	2	2	1	3	1	1	135	184	90	29.2	2	5	4	16.0	13.9	3.59	1	9
17310	100444	2	3	2	1	2	2	2	3	1	4	137	192	90	26.6	2	5	4	37.0	11.6	3.53	1	5
17311	100445	2	2	2	1	2	2	1	1	1	1	132	187	95	27.6	2	5	4	39.8	14.8	3.31	1	5
17312	100446	3	3	1	1	2	2	1	1	1	1	128	187	85	23.0	2	5	4	36.0	15.0	3.33	2	5
17313	100447	3	1	1	1	2	2	1	1	1	4	163	199	115	25.2	2	5	4	38.0	12.9	3.33	1	5
17314	100448	3	1	1	1	2	2	1	3	1	1	158	197	100	26.6	2	5	4	36.1	10.6	3.67	1	3
17315	100449	3	1	1	1	2	2	1	3	1	1	156	196	100	25.8	2	5	4	34.9	11.5	3.73	1	3
17316	100450	3	1	1	1	2	2	1	3	1	1	153	197	110	28.8	2	5	4	32.9	13.1	3.58	1	7
17317	100451	3	1	1	1	2	2	1	1	1	4	164	197	105	23.2	2	5	4	33.4	12.5	3.60	1	7
17318	100452	1	1	1	1	2	2	2	3	1	1	148	195	105	29.8	2	5	4	35.8	12.9	3.56	1	3
17319	100453	3	3	1	7	2	2	1	7	2	3	126	189	100	24.0	2	5	4	39.6	12.6	3.65	1	3
17320	100454	3	1	1	1	2	2	1	1	1	1	148	195	110	21.0	2	5	4	32.7	10.6	3.86	1	3
17321	100455	3	1	1	1	2	2	1	1	1	1	151	195	100	53.0	2	5	4	36.7	11.4	3.68	1	3
17322	100456	3	1	1	1	2	2	1	3	1	1	148	195	100	22.4	2	5	4	36.2	11.2	3.57	1	3
17323	100457	2	1	1	1	2	2	1	3	1	4	153	195	95	24.6	2	5	4	38.9	12.1	3.63	1	3
17324	100458	2	3	1	1	2	2	2	3	1	4	126	187	85	18.0	2	5	4	41.9	11.8	3.55	2	7
17325	100459	2	3	2	1	2	2	1	3	1	1	137	193	105	34.0	2	5	4	42.8	14.1	3.40	1	9
17326	100460	3	3	2	1	2	2	1	3	1	1	139	189	115	30.0	2	5	4	50.3	13.8	3.40	1	1
17327	100461	3	1	1	1	2	2	1	9	1	4	164	198	90	26.8	2	5	4	35.6	12.0	3.58	1	3
17328	100462	3	1	1	1	2	2	1	9	1	2	158	198	100	25.8	2	5	4	37.9	12.8	3.51	1	3
17329	100463	3	1	1	1	2	2	1	3	1	1	153	195	90	23.6	2	5	4	35.3	13.2	3.63	1	3
17330	100464	3	1	1	1	2	2	1	1	1	4	153	194	110	23.0	2	5	4	35.1	11.9	3.61	1	3
17331	100465	3	1	1	1	2	2	1	3	1	4	148	195	105	25.8	2	5	4	38.6	12.5	3.52	1	3
17332	100466	3	1	1	1	2	2	1	9	1	4	156	197	110	27.0	2	5	4	37.8	12.6	3.73	1	3
17333	100467	2	1	1	1	2	2	1	3	1	1	156	196	105	22.4	2	5	4	34.3	12.1	3.63	1	3
17334	100468	2	3	2	1	2	2	1	3	1	4	128	183	100	22.0	3	5	4	52.8	13.3	3.23	1	3
17335	100469	2	2	2	1	2	2	2	3	1	1	139	193	95	33.0	2	5	4	56.7	13.3	3.53	1	3
17336	100470	2	3	2	1	2	2	1	3	1	1	135	180	105	31.4	2	4	4	55.1	14.1	3.33	1	5
17337	100471	2	3	2	1	2	2	2	3	1	1	135	189	85	35.6	2	5	4	42.7	11.8	3.55	1	1
17338	100472	2	2	2	1	2	2	2	3	1	4	133	187	85	29.8	2	5	4	46.8	12.1	3.63	1	1
17339	100473	3	3	2	1	2	2	2	3	1	4	130	190	85	27.4	2	5	4	48.5	11.9	3.94	1	9
17340	100474	3	1	1	1	2	2	1	9	1	2	148	195	95	25.0	2	5	4	41.2	11.2	3.66	1	3
17341	100475	3	1	1	1	2	2	1	3	1	1	164	199	105	23.8	2	5	4	32.5	12.1	4.46	1	3
17342	100476	3	1	1	1	2	2	1	3	1	1	153	196	90	21.4	2	5	4	37.5	10.6	3.67	1	3
17343	100477	2	3	1	1	2	2	1	3	1	4	144	192	100	22.0	2	5	4	42.7	10.4	3.65	1	3
17344	100478	2	3	1	1	2	2	2	5	1	4	128	190	70	21.6	2	5	4	37.3	11.6	3.53	1	3
17345	100479	2	3	1	1	2	2	2	3	1	4	128	186	90	28.0	1	5	4	49.1	11.4	3.50	1	5
17346	100480	1	3	1	1	2	2	2	5	1	1	127	187	90	19.8	2	5	4	43.8	12.1	3.47	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17347	100481	3	3	1	3	2	2	2	3	1	4	127	185	85	24.0	2	5	4	35.8	8.5	4.58	1	7
17348	100482	1	1	1	3	2	2	1	3	1	4	158	198	108	25.6	2	5	4	42.2	12.4	3.30	2	5
17349	100483	3	2	1	1	2	2	1	-	1	4	156	201	105	26.0	2	5	4	27.6	12.5	3.52	2	5
17350	100484	3	1	1	1	2	2	2	9	1	2	158	199	92	25.6	2	5	4	33.1	12.0	3.58	2	5
17351	100485	3	1	1	1	2	2	1	9	1	4	158	199	105	22.8	2	5	4	42.2	12.1	3.55	2	3
17352	100486	3	1	1	1	2	2	1	5	1	1	148	197	102	23.4	2	5	4	38.6	11.6	3.62	1	7
17353	100487	3	1	1	1	2	2	1	9	1	4	164	198	110	20.2	2	5	4	35.2	11.7	3.58	1	5
17354	100488	2	1	1	1	2	2	1	9	1	4	164	198	105	25.2	2	5	4	32.2	13.6	3.52	1	5
17355	100489	3	1	1	1	2	2	1	9	1	4	164	198	115	24.0	2	5	4	30.0	13.6	3.38	1	5
17356	100490	3	1	1	1	2	2	1	9	1	4	166	198	115	22.8	2	5	4	33.3	11.9	3.61	1	5
17357	100491	3	1	1	1	2	2	1	9	1	4	165	198	110	24.6	2	5	4	36.1	13.2	3.40	1	5
17358	100492	3	1	1	1	2	2	1	3	1	4	148	193	100	25.8	2	5	4	37.9	12.5	3.52	1	7
17359	100493	3	1	1	3	2	2	1	3	1	1	153	196	90	25.4	2	5	4	38.7	12.7	3.54	1	7
17360	100494	3	1	1	1	2	2	1	9	1	4	167	200	94	21.0	2	5	4	42.0	12.2	3.60	1	3
17361	100495	3	1	1	1	2	2	1	9	1	2	167	197	100	25.0	2	5	4	36.8	13.9	3.45	1	5
17362	100496	2	2	1	1	2	2	1	3	1	1	148	194	100	26.0	2	5	4	29.0	14.0	3.64	1	7
17363	100497	2	1	1	1	2	2	1	9	1	4	165	198	105	24.0	2	5	4	34.2	13.1	3.51	1	7
17364	100498	3	1	1	1	2	2	1	9	1	2	166	197	105	22.4	2	5	4	38.2	11.7	3.50	1	5
17365	100499	3	1	2	1	2	2	2	1	1	2	153	192	105	31.4	2	5	4	60.7	13.8	3.40	1	7
17366	100500	3	1	1	1	2	2	1	3	1	2	153	196	90	21.0	2	5	4	48.1	12.0	3.58	1	5
17367	100501	3	1	2	1	2	2	2	9	1	2	148	195	100	26.4	2	5	4	59.5	14.1	3.33	1	5
17368	100502	3	1	1	1	2	2	1	9	1	4	163	197	110	29.4	2	5	4	42.3	12.0	3.50	1	3
17369	100503	3	1	1	1	2	2	1	1	1	4	148	193	110	24.0	2	5	4	39.4	11.6	3.62	2	1
17370	100504	3	1	1	1	2	2	1	9	1	4	164	198	105	22.2	2	5	4	41.3	12.3	3.57	1	3
17371	100505	3	1	1	1	2	2	1	5	1	2	152	196	100	25.4	2	5	4	49.0	11.6	3.62	1	1
17372	100506	3	1	1	1	2	2	1	3	1	4	148	194	90	23.8	2	5	4	36.3	12.2	3.52	1	3
17373	100507	2	1	1	1	2	2	1	3	1	1	136	194	100	21.0	2	5	4	44.9	13.7	3.35	1	3
17374	100508	2	3	1	3	2	2	1	1	1	1	153	188	75	15.0	2	5	4	41.1	12.6	3.57	1	9
17375	100509	2	3	2	1	2	2	2	1	1	1	136	189	105	24.6	2	5	4	41.4	15.1	3.50	1	7
17376	100510	2	3	2	1	2	2	2	1	1	1	136	189	110	29.2	3	5	4	39.0	12.0	3.66	1	3
17377	100511	3	1	2	1	2	2	1	9	1	1	138	198	100	29.0	2	5	4	39.2	11.9	3.61	1	3
17378	100512	3	1	1	1	2	2	1	9	1	4	153	198	105	23.8	2	5	4	42.7	11.6	3.62	1	1
17379	100513	-	1	1	1	2	2	1	3	1	4	148	194	110	25.0	2	5	4	-	15.3	3.72	1	1
17380	100514	3	1	1	1	2	2	1	1	1	1	158	194	107	25.4	2	5	4	34.1	12.2	3.52	1	1
17381	100515	2	1	1	1	2	2	1	5	1	1	145	194	102	24.2	2	5	4	38.9	13.9	3.45	1	3
17382	100516	2	1	1	1	2	2	1	9	1	4	153	197	100	23.8	2	5	4	36.5	14.0	3.42	1	1
17383	100517	2	1	1	1	2	2	1	9	1	4	153	197	98	24.6	2	5	4	38.9	14.5	3.24	1	3
17384	100518	2	3	2	1	2	2	2	3	1	1	142	182	100	25.0	2	4	4	35.6	13.1	3.43	1	1
17385	100519	2	3	2	1	2	2	2	3	1	4	148	189	103	35.8	3	5	4	45.3	13.9	3.38	1	3
17386	100520	2	3	2	1	2	2	1	3	1	4	145	181	107	31.4	2	4	4	43.0	13.7	3.43	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17387	100521	2	3	2	1	2	2	1	3	1	1	151	192	81	30.8	2	5	4	41.5	12.7	3.46	1	5
17388	100522	3	2	2	1	2	2	2	3	1	1	156	189	85	24.6	2	5	4	29.3	12.9	3.56	1	3
17389	100523	2	3	2	1	2	2	2	3	1	4	130	188	90	24.8	2	5	4	45.9	12.9	3.48	1	5
17390	100524	2	1	1	1	2	2	1	9	1	1	151	194	105	13.0	2	5	4	40.4	13.5	3.48	1	3
17391	100525	2	1	1	1	2	2	1	3	1	4	151	198	100	13.8	2	5	4	41.1	13.9	3.52	1	7
17392	100526	2	1	1	1	2	2	1	3	1	1	137	196	85	26.8	2	5	4	36.4	13.1	3.43	1	5
17393	100527	2	3	1	1	2	2	1	3	1	1	135	189	100	25.0	2	5	4	37.5	12.6	3.49	1	5
17394	100528	3	3	1	1	2	2	2	3	1	4	138	189	85	21.4	2	5	4	33.4	14.7	3.53	1	7
17395	100529	3	2	1	1	2	2	1	1	1	4	138	192	100	23.8	2	5	4	36.2	10.4	3.65	1	5
17396	100530	3	2	1	1	2	2	1	3	1	1	151	193	90	18.6	2	5	4	39.8	9.3	4.19	1	7
17397	100531	2	3	2	1	2	2	2	1	1	1	136	191	85	32.4	2	5	4	30.4	13.7	3.28	1	7
17398	100532	3	2	1	1	2	2	1	1	1	4	137	193	85	18.2	2	5	4	34.5	10.5	3.61	1	5
17399	100533	3	1	1	1	2	2	1	3	1	1	137	193	95	23.8	2	5	4	33.3	10.9	3.76	1	5
17400	100534	3	1	1	1	2	2	1	3	1	4	164	198	95	23.0	2	5	4	28.8	13.2	3.56	2	7
17404	100535	3	1	1	1	2	2	1	9	1	4	162	198	95	24.0	2	5	4	34.1	13.1	3.51	1	3
17402	100536	3	1	1	1	2	2	1	9	1	4	152	194	102	23.8	2	5	4	31.3	13.4	3.35	1	3
17403	100537	3	1	1	1	2	2	1	9	1	4	161	198	90	25.4	2	5	4	31.0	12.6	3.57	1	3
17404	100538	2	3	2	1	2	2	2	3	1	1	139	187	80	29.8	2	5	4	38.5	12.4	3.30	1	3
17405	100539	2	3	2	1	2	2	1	3	1	1	135	193	80	27.8	2	5	4	42.4	11.6	3.53	1	9
17406	100540	1	3	2	1	2	2	1	3	1	4	136	188	75	31.2	2	5	4	34.9	11.4	3.50	1	7
17407	100541	2	3	2	1	2	2	1	3	1	1	144	194	90	28.6	2	5	4	44.6	12.0	3.58	1	3
17408	100542	2	3	2	1	2	2	2	3	1	1	135	190	90	26.6	2	5	4	40.0	12.2	3.52	1	1
17409	100543	1	3	2	1	2	2	2	3	1	4	130	189	75	23.6	2	5	4	41.2	11.9	3.78	1	9
17410	100544	1	3	2	1	1	2	2	3	1	4	135	188	80	29.4	2	5	4	39.6	13.0	3.38	1	7
17411	100545	2	3	2	1	2	2	1	3	1	4	153	194	75	22.2	1	5	4	39.5	14.2	3.38	1	5
17412	100546	2	3	2	1	1	2	2	3	1	4	138	194	100	22.2	2	5	4	41.5	12.8	3.28	1	7
17413	100547	1	3	2	1	1	2	1	3	1	4	136	193	75	19.2	2	5	4	41.2	11.5	3.73	1	7
17414	100548	1	3	2	1	2	2	1	3	1	1	135	193	85	23.6	2	5	4	44.1	12.1	3.71	1	5
17415	100549	2	3	2	1	2	2	2	3	1	4	137	192	85	23.0	2	5	4	39.8	14.0	3.50	1	5
17416	100550	2	3	2	1	1	2	1	3	1	4	132	190	100	28.6	1	5	4	45.5	13.4	3.43	1	5
17417	100551	2	3	2	1	2	2	1	3	1	4	139	193	115	28.6	2	5	4	50.2	15.2	3.09	1	9
17418	100552	2	2	2	1	2	2	2	3	1	4	148	194	75	28.4	2	5	4	43.5	14.3	3.35	1	3
17419	100553	2	2	2	1	1	2	2	3	1	4	142	194	95	32.4	2	5	4	40.8	11.4	3.50	1	3
17420	100554	1	3	2	1	2	2	1	3	1	4	138	189	90	30.4	1	5	4	42.0	15.5	3.29	1	3
17421	100555	1	3	2	1	2	2	2	3	1	4	136	189	80	31.0	1	5	4	46.6	15.0	3.33	1	7
17422	100556	2	3	2	1	2	2	2	3	1	1	138	191	85	19.6	2	5	4	47.6	14.1	3.33	1	7
17423	100557	1	3	2	1	2	2	1	3	1	1	138	193	75	18.0	2	5	4	42.6	13.2	3.48	1	9
17424	100558	2	3	2	1	2	2	2	3	1	4	142	193	95	22.4	2	5	4	43.1	12.6	3.57	1	3
17425	100559	2	3	2	1	2	2	2	3	1	4	139	194	110	24.0	2	5	4	44.0	14.8	3.58	1	5
17426	100560	2	3	2	1	2	2	2	3	1	1	137	192	110	24.0	1	5	4	45.1	15.9	3.33	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17427	100561	1	3	2	1	2	2	2	3	1	4	135	186	110	32.0	2	5	4	46.6	14.3	3.35	1	1
17428	100562	1	3	2	1	2	2	2	3	1	4	137	192	95	26.4	2	5	4	42.6	13.7	3.43	1	3
17429	100563	1	3	2	1	2	2	2	3	1	4	148	194	90	28.6	1	5	4	41.6	15.1	3.37	1	5
17430	100564	1	3	2	1	2	2	2	3	1	4	135	189	105	27.2	1	5	4	43.2	13.7	3.43	1	5
17431	100565	1	3	2	1	2	2	1	3	1	4	142	189	95	26.8	1	5	4	39.7	14.9	3.35	1	3
17432	100566	1	3	2	1	2	2	1	3	1	1	135	189	90	30.0	1	5	4	42.4	13.1	3.43	1	5
17433	100567	1	3	2	1	2	2	2	3	1	1	128	188	85	27.4	2	5	4	49.1	15.0	3.33	1	7
17434	100568	2	3	2	1	2	2	2	3	1	1	136	185	90	28.0	2	5	4	44.1	15.8	2.97	1	5
17435	100569	1	3	2	1	2	2	2	3	1	1	136	185	95	31.0	2	5	4	45.4	13.4	3.35	1	9
17436	100570	2	3	2	3	2	2	2	3	1	1	139	189	105	32.4	2	5	4	46.0	12.8	3.43	1	5
17437	100571	2	3	2	1	2	2	2	3	1	4	136	188	90	31.0	2	5	4	40.2	15.9	3.20	1	5
17438	100572	2	3	2	1	1	2	2	3	1	1	134	188	85	18.6	2	5	4	40.7	13.3	3.45	1	9
17439	100573	2	3	2	1	2	2	2	3	1	1	134	188	75	17.8	2	5	4	41.5	11.9	3.44	1	7
17440	100574	1	3	2	1	2	2	2	3	1	4	130	190	85	21.2	2	5	4	42.8	13.2	3.48	1	5
17441	100575	2	3	2	1	2	2	2	3	1	4	135	191	85	28.8	2	5	4	42.7	12.9	3.48	1	1
17442	100576	2	3	2	1	2	2	2	3	1	4	137	187	70	27.4	2	5	4	39.6	11.7	3.58	1	9
17443	100577	2	3	2	1	2	2	2	3	1	1	142	194	90	27.6	2	5	4	38.1	12.4	3.46	2	7
17444	100578	2	3	2	1	2	2	2	3	1	4	148	194	90	24.8	2	5	4	42.5	14.0	3.42	1	5
17445	100579	1	3	2	1	2	2	2	3	1	4	137	191	85	31.8	2	5	4	37.9	13.1	3.43	1	3
17446	100580	2	3	2	1	2	2	1	3	1	1	137	194	90	30.0	2	5	4	43.9	13.4	3.50	1	5
17447	100581	2	3	2	1	2	2	2	3	1	4	137	193	95	25.0	2	5	4	44.0	13.0	3.46	1	5
17448	100582	2	3	2	1	2	2	2	3	1	4	136	192	95	28.4	2	5	4	44.3	12.6	3.57	2	5
17449	100583	2	3	2	1	2	2	2	3	1	4	137	192	80	24.0	2	5	4	45.1	13.7	3.50	1	3
17450	100584	2	3	2	1	2	2	1	3	1	4	139	192	95	26.4	2	5	4	48.9	13.6	3.30	1	3
17451	100585	2	3	2	1	2	2	1	3	1	1	142	194	95	26.8	2	5	4	44.9	13.4	3.35	1	5
17452	100586	2	1	1	1	2	2	1	1	1	1	142	194	95	24.2	2	5	4	44.2	13.0	3.38	1	5
17453	100587	3	1	1	1	2	2	1	3	1	4	139	186	100	22.2	1	5	4	32.3	11.7	3.41	2	7
17454	100588	3	1	1	1	1	2	1	3	1	1	142	187	100	25.4	2	5	4	30.6	11.5	3.65	1	1
17455	100589	3	1	1	1	2	2	1	1	1	4	148	193	85	22.8	2	5	4	34.5	10.9	4.03	2	1
17456	100590	3	1	1	1	2	2	1	3	1	4	139	189	90	27.0	2	5	4	35.2	11.5	3.56	1	1
17457	100591	3	1	1	1	2	2	1	3	1	1	144	189	85	27.0	2	5	4	33.7	10.7	3.64	2	1
17458	100592	3	1	1	1	2	2	2	3	1	4	142	189	90	26.4	2	5	4	33.1	11.7	3.58	1	1
17459	100593	3	1	1	1	2	2	2	3	1	4	138	192	120	24.6	2	5	4	36.7	11.3	3.62	1	1
17460	100594	3	1	1	1	2	2	2	3	1	1	148	194	115	23.2	2	5	4	35.5	10.9	3.66	1	1
17461	100595	3	1	1	1	2	2	1	3	1	1	148	194	95	15.8	2	5	4	35.2	11.0	3.81	1	1
17462	100596	3	1	1	1	1	2	1	3	1	1	139	193	90	25.2	2	5	4	33.0	11.5	3.73	2	1
17463	100597	3	1	1	1	1	2	1	3	1	1	148	194	95	23.6	2	5	4	38.2	10.7	3.73	1	1
17464	100598	3	1	1	1	2	2	1	1	1	4	164	201	95	26.0	2	5	4	35.7	11.0	3.63	1	1
17465	100599	3	1	1	1	2	2	1	3	1	4	151	196	100	24.2	2	5	4	32.5	10.0	3.80	1	1
17466	100600	2	3	2	1	2	2	1	1	1	4	137	197	100	27.0	2	5	4	39.7	11.7	3.33	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17467	100601	2	2	2	1	2	2	1	3	1	1	139	196	95	26.4	2	5	4	40.2	10.9	3.57	1	1
17468	100602	2	3	2	1	2	2	1	3	1	1	139	194	90	26.2	2	5	4	39.7	10.0	3.60	1	3
17469	100603	2	3	2	1	2	2	1	3	1	4	142	194	105	28.6	2	5	4	39.9	11.4	3.42	1	3
17470	100604	2	3	2	1	2	2	2	3	1	4	139	192	100	34.0	2	5	4	43.2	12.4	3.30	1	1
17471	100605	2	3	2	1	2	2	2	3	1	1	138	190	90	27.2	2	5	4	43.0	11.2	3.48	1	3
17472	100606	2	3	2	1	2	2	2	3	1	4	130	185	95	23.8	2	5	4	47.3	13.0	3.46	1	5
17473	100607	2	3	2	1	2	2	2	3	1	1	135	187	100	29.4	2	5	4	50.7	13.3	3.53	1	1
17474	100608	2	3	2	1	2	2	1	3	1	1	138	188	100	35.2	2	5	4	47.8	11.3	3.62	1	3
17475	100609	2	3	2	1	2	2	2	3	1	4	136	189	95	31.4	2	5	4	44.8	10.3	3.59	1	1
17476	100610	2	3	2	1	2	2	1	3	1	4	135	194	80	30.0	2	5	4	44.4	10.6	3.77	1	1
17477	100611	3	1	1	1	2	2	2	3	1	4	156	197	100	27.8	2	5	4	42.8	11.5	3.56	1	3
17478	100612	3	1	1	1	2	2	2	3	1	4	159	196	87	28.0	2	5	4	39.9	11.2	3.66	1	1
17479	100613	2	3	2	1	2	2	1	3	1	4	135	190	80	32.6	2	5	4	43.8	12.3	3.57	1	1
17480	100614	3	1	1	1	2	2	2	1	1	2	153	197	105	19.0	2	5	4	43.7	11.2	3.48	1	3
17481	100615	1	3	2	1	2	2	1	3	1	4	135	192	85	27.6	2	5	4	44.2	12.5	3.36	1	1
17482	100616	1	3	2	1	2	2	2	3	1	1	135	195	75	29.0	2	5	4	40.9	11.2	3.57	1	3
17483	100617	2	2	1	1	2	2	1	1	1	4	137	191	105	23.6	2	5	4	46.9	8.9	4.04	1	3
17484	100618	2	3	1	1	2	2	1	1	1	1	128	186	90	22.0	2	5	4	34.9	10.2	3.52	1	3
17485	100619	2	3	2	1	2	2	2	3	1	4	138	189	90	32.0	2	5	4	43.9	11.4	3.50	1	1
17486	100620	1	3	2	1	2	2	2	1	1	4	139	197	75	34.6	2	5	4	44.9	11.0	3.63	1	3
17487	100621	2	3	2	1	2	2	2	1	1	4	142	197	75	34.2	2	5	4	45.0	11.7	3.50	1	3
17488	100622	1	3	2	1	2	2	2	1	1	4	153	197	70	25.8	2	5	4	36.8	14.4	3.33	1	3
17489	100623	1	3	2	1	2	2	2	1	1	4	142	197	75	31.8	2	5	4	37.1	13.1	3.58	1	3
17490	100624	1	3	2	1	2	2	2	3	1	4	136	189	105	27.0	1	5	4	44.2	12.2	3.36	1	3
17491	100625	1	3	2	1	2	2	1	3	1	1	136	188	90	24.6	2	5	4	43.0	13.1	3.35	1	3
17492	100626	2	3	2	1	2	2	1	3	1	1	128	187	80	27.2	2	5	4	50.2	11.8	3.38	1	9
17493	100627	1	2	2	1	2	2	1	3	1	1	128	186	75	23.2	2	5	4	51.0	12.4	3.06	1	9
17494	100628	1	1	2	1	2	2	2	3	1	4	136	196	75	24.0	2	5	4	44.6	12.4	3.30	1	1
17495	100629	2	1	2	1	1	2	2	3	1	1	148	196	100	23.8	2	5	4	40.8	12.8	3.35	1	1
17496	100630	2	2	1	1	2	2	2	3	1	1	128	184	100	21.2	2	5	4	34.4	11.5	3.39	1	3
17497	100631	1	3	1	3	2	2	1	1	1	1	135	185	95	29.4	2	5	4	39.7	9.7	3.81	1	3
17498	100632	2	3	2	1	2	2	1	3	1	4	137	194	80	28.2	3	5	4	42.9	11.4	3.68	1	3
17499	100633	3	1	1	1	2	2	1	1	1	1	165	201	70	17.8	2	5	4	40.3	12.7	3.46	1	1
17500	100634	2	1	1	1	1	2	1	1	1	1	167	200	95	28.6	2	5	4	40.7	11.3	3.71	1	3
17501	100635	2	3	2	1	2	2	1	3	1	1	136	194	75	34.6	3	5	4	40.9	8.6	3.95	1	3
17502	100636	3	1	1	1	2	2	2	5	1	2	148	193	85	23.6	3	5	4	30.6	11.8	3.55	1	1
17503	100637	3	1	1	1	2	2	1	5	1	4	153	192	95	23.6	3	5	4	40.7	11.4	3.50	1	1
17504	100638	3	1	1	1	2	2	1	9	1	4	156	194	100	25.2	3	5	4	29.7	11.9	3.52	1	1
17505	100639	3	1	1	1	2	2	2	5	1	4	153	197	100	27.6	3	5	4	30.4	12.1	3.47	1	1
17506	100640	3	1	1	1	2	2	1	9	1	4	148	194	90	22.8	3	5	4	30.9	12.3	3.57	1	1

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17507	100641	2	3	1	3	1	2	1	3	1	1	124	186	85	24.0	1	5	4	37.4	11.2	3.75	1	1
17508	100642	2	1	1	3	2	2	1	5	1	4	131	194	70	28.6	2	5	4	37.7	11.8	3.47	1	1
17509	100643	2	1	2	1	2	2	1	3	1	1	135	193	60	23.0	2	5	4	25.7	12.3	3.57	2	3
17510	100644	2	2	1	1	2	2	2	3	1	4	138	184	95	17.0	2	5	4	39.1	12.9	3.56	1	3
17511	100645	2	3	1	1	2	2	1	3	1	1	135	192	90	19.2	2	5	4	44.9	12.4	3.38	1	3
17512	100646	1	2	1	1	2	1	1	3	1	4	136	185	60	20.0	2	5	4	21.7	10.8	3.98	1	9
17513	100647	2	3	1	3	2	2	1	1	1	4	127	183	80	20.4	2	5	4	26.5	12.9	3.48	1	7
17514	100648	2	3	1	-	-	2	1	1	1	4	107	179	90	19.8	2	5	2	37.8	13.1	3.58	1	5
17515	100649	3	1	1	1	2	2	1	3	1	1	151	192	90	21.4	2	5	4	29.4	11.0	3.72	1	1
17516	100650	3	1	1	1	2	2	2	1	1	1	138	187	110	24.6	2	5	4	34.5	12.1	3.55	1	3
17517	100651	3	1	1	1	2	2	1	5	1	2	148	190	105	22.0	2	5	4	27.9	11.3	3.80	1	1
17518	100652	2	1	1	1	2	2	1	1	1	1	142	191	85	28.0	2	5	4	31.6	13.0	3.69	2	1
17519	100653	3	2	1	1	2	1	1	1	1	1	142	186	70	21.8	1	5	4	36.4	12.1	3.55	2	5
17520	100654	1	3	1	1	2	1	1	1	1	1	135	191	85	24.6	3	5	4	34.1	11.6	3.62	2	5
17521	100655	2	3	1	1	1	2	1	1	1	1	131	190	95	20.0	2	5	4	41.7	8.5	4.58	2	5
17522	100656	1	3	3	1	2	2	1	9	2	4	122	184	90	22.6	1	5	4	46.3	12.3	3.57	1	9
17523	100657	3	1	1	1	2	2	1	1	1	1	167	200	90	26.8	2	5	4	32.8	11.4	3.42	1	5
17524	100658	1	3	1	1	2	2	2	3	1	4	135	187	70	24.0	2	5	4	36.0	10.2	3.82	1	9
17525	100659	2	3	3	7	2	2	2	9	2	4	122	178	75	25.0	1	5	4	-	14.7	3.67	1	7
17526	100660	2	3	3	1	2	2	2	9	1	2	131	176	90	23.0	1	5	4	44.5	14.1	3.47	1	7
17527	100661	1	3	3	1	2	2	2	3	1	4	131	178	75	22.4	2	5	4	45.8	13.0	3.53	1	7
17528	100662	2	3	1	1	2	2	1	3	1	1	126	186	95	17.4	2	5	4	34.8	11.3	3.80	2	7
17529	100663	2	3	1	1	1	2	1	3	1	4	126	185	85	19.0	2	5	4	34.4	10.4	3.84	1	3
17530	100664	1	3	1	1	2	2	1	3	1	1	130	185	100	22.6	2	5	4	32.7	11.3	3.80	1	5
17531	100665	2	3	1	1	2	2	2	3	1	4	128	186	95	21.0	2	5	4	28.0	11.0	3.81	1	3
17532	100666	2	3	1	1	1	2	2	1	1	2	131	184	85	15.6	2	5	4	33.1	12.2	3.68	1	3
17533	100667	2	3	1	1	1	2	2	3	1	2	120	184	100	17.6	2	5	4	32.1	13.2	3.48	1	3
17534	100668	-	3	1	1	2	-	2	1	1	-	138	-	-	35.0	2	5	4	49.4	12.5	3.60	1	-
17535	100669	1	3	1	1	2	1	1	1	1	4	135	187	101	25.8	2	5	4	33.2	12.6	3.41	1	9
17536	100670	2	3	1	1	2	2	1	5	1	1	135	190	120	30.0	3	5	4	41.1	8.7	3.90	1	1
17537	100671	3	1	1	1	2	2	2	3	1	4	158	192	115	24.6	2	5	4	35.2	10.6	3.67	1	3
17538	100672	3	1	1	1	2	2	2	3	1	2	142	192	110	24.2	2	5	4	30.7	10.6	3.96	1	3
17539	100673	2	2	1	1	2	2	1	3	1	4	128	187	120	26.8	2	5	4	41.1	10.0	3.80	1	5
17540	100674	2	3	1	1	1	2	1	3	1	1	128	185	95	29.6	2	5	4	38.7	9.5	3.57	1	5
17541	100675	1	3	1	1	2	2	1	1	1	4	128	186	81	24.6	2	5	4	40.6	10.3	3.88	1	9
17542	100676	2	2	1	3	2	2	1	3	1	1	130	184	85	23.8	2	5	4	32.8	10.7	3.73	1	9
17543	100677	2	3	1	3	2	2	2	3	1	2	130	185	70	22.8	2	5	4	40.5	10.1	3.66	1	9
17544	100678	2	3	1	3	2	2	2	3	1	2	128	185	60	14.0	2	5	4	41.8	9.4	3.72	1	9
17545	100679	2	2	1	3	2	2	1	3	1	2	128	185	80	17.2	2	5	4	39.1	10.1	3.56	1	9
17546	100680	2	3	1	3	2	2	2	3	1	2	128	185	65	21.8	2	5	4	35.8	9.5	3.57	1	9

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17547	100681	2	3	1	1	2	2	2	3	1	4	128	184	80	18.0	2	5	4	32.0	8.9	3.70	1	9
17548	100682	2	3	1	3	2	2	1	9	1	2	130	187	70	16.4	2	5	4	36.9	9.3	3.76	1	9
17549	100683	2	2	1	1	2	2	2	9	1	2	135	193	100	14.4	2	5	4	46.1	10.5	3.61	1	7
17550	100684	2	2	1	3	2	2	2	3	1	2	126	193	85	16.6	2	5	4	35.7	9.3	3.54	1	9
17551	100685	2	3	1	3	2	2	2	3	1	4	128	186	65	22.0	2	5	4	36.2	9.4	3.82	1	9
17552	100686	2	3	1	3	2	2	1	3	1	2	128	182	65	20.0	2	5	4	33.9	9.9	3.63	1	9
17553	100687	2	3	1	1	2	2	2	9	1	4	135	188	80	27.0	2	5	4	34.3	12.7	3.70	1	9
17554	100688	2	3	1	3	2	2	2	3	1	2	130	186	75	21.4	2	5	4	44.3	10.2	3.82	1	9
17555	100689	2	3	1	1	2	2	2	3	1	4	128	189	85	23.8	2	5	4	28.2	10.1	3.56	1	9
17556	100690	2	3	1	1	2	2	2	9	1	2	135	190	80	23.8	2	5	4	46.3	10.6	3.39	1	9
17557	100691	2	3	1	3	2	2	2	3	1	4	130	185	80	24.8	3	5	4	29.2	8.9	4.38	2	9
17558	100692	2	3	1	3	2	2	2	3	1	4	126	185	65	19.0	2	5	4	33.7	10.2	3.62	2	9
17559	100693	2	2	1	3	2	2	2	3	1	2	126	185	80	32.8	2	5	4	35.7	10.7	3.45	1	9
17560	100694	2	3	1	3	2	2	1	3	1	2	128	186	70	19.8	2	5	4	35.0	9.4	3.61	2	9
17561	100695	2	3	1	3	2	2	2	3	1	2	128	185	80	23.0	2	5	4	39.0	10.6	3.58	2	9
17562	100696	2	3	1	3	2	2	2	3	1	2	128	180	70	15.0	2	5	4	37.9	12.1	3.63	1	9
17563	100697	2	3	1	3	2	2	2	3	1	4	128	185	60	21.0	2	5	4	36.3	9.8	3.67	1	9
17564	100698	2	3	1	3	2	2	2	3	1	2	127	185	70	24.0	2	5	4	35.8	11.7	3.58	1	9
17565	100699	1	2	1	3	2	2	2	3	1	2	126	185	60	17.6	2	5	4	38.6	10.4	3.65	1	9
17566	100700	2	3	1	3	2	2	1	3	1	2	126	180	80	22.0	1	5	4	34.6	9.5	3.68	1	9
17567	100701	2	3	1	3	2	2	1	3	1	4	126	185	80	17.8	2	5	4	35.9	10.9	3.66	1	9
17568	100702	2	3	1	3	2	2	2	3	1	4	126	184	65	22.0	2	5	4	36.8	10.9	3.66	1	9
17569	100703	2	3	1	3	2	2	2	3	1	4	126	184	60	21.2	2	5	4	33.6	10.6	3.49	1	9
17570	100704	2	3	1	3	2	2	2	3	1	4	128	182	65	12.4	2	5	4	37.3	10.4	3.46	1	9
17571	100705	2	3	1	3	2	2	2	5	1	4	135	185	80	22.8	3	5	4	37.4	12.3	3.41	1	7
17572	100706	2	3	1	3	2	2	1	3	1	2	127	183	80	21.6	2	5	4	34.9	11.2	3.48	1	9
17573	100707	2	3	1	3	2	2	2	3	1	4	128	181	90	14.8	2	5	4	43.9	11.2	3.39	1	9
17574	100708	2	3	1	3	2	2	2	3	1	4	125	181	85	19.2	2	5	4	37.3	10.9	3.57	1	9
17575	100709	2	1	1	3	2	2	2	3	1	4	125	181	65	13.8	2	5	4	37.2	10.0	3.50	1	9
17576	100710	1	2	1	3	2	2	2	3	1	2	124	185	95	19.0	2	5	4	37.7	10.7	3.27	1	7
17577	100711	2	3	1	3	2	2	2	3	1	4	135	184	70	17.6	3	5	4	36.8	10.5	3.80	1	7
17578	100712	2	3	1	3	2	2	2	3	1	2	126	184	70	16.8	2	5	4	39.5	10.0	3.60	1	7
17579	100713	2	3	1	3	2	2	2	3	1	2	126	181	65	14.2	2	5	4	39.2	10.6	3.49	1	9
17580	100714	2	3	1	3	2	2	2	3	1	2	126	187	60	14.6	2	5	4	35.2	10.9	3.39	1	9
17581	100715	2	3	1	3	2	2	2	3	1	4	127	185	90	23.8	2	5	4	34.6	10.6	3.39	1	9
17582	100716	2	3	1	3	2	2	2	3	1	4	126	181	75	16.0	2	5	4	34.8	10.3	3.78	1	9
17583	100717	2	3	1	3	2	2	2	3	1	4	126	185	70	23.0	2	5	4	33.9	10.8	3.51	1	9
17584	100718	2	3	1	3	2	2	1	3	1	2	128	186	90	21.2	2	5	4	35.4	10.5	3.71	1	9
17585	100719	2	3	1	1	2	2	2	9	1	4	128	191	80	24.0	2	5	4	48.4	10.7	3.64	1	5
17586	100720	2	3	1	3	2	2	2	3	1	4	128	188	70	20.0	2	5	4	35.0	11.0	3.54	1	9

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17587	100721	2	3	1	1	2	2	2	3	1	4	128	185	80	11.2	2	5	4	36.8	10.4	3.65	1	9
17588	100722	2	3	1	3	2	2	2	3	1	4	128	186	80	15.0	2	5	4	33.1	10.7	3.64	1	9
17589	100723	2	3	1	3	2	2	2	3	1	4	128	185	75	15.8	2	5	4	35.1	10.8	3.61	1	9
17590	100724	2	3	1	3	2	2	2	3	1	4	128	185	75	14.4	2	5	4	34.7	10.1	3.66	1	9
17591	100725	2	3	1	3	2	2	2	3	1	2	128	186	65	14.2	2	5	4	46.3	11.4	3.59	1	9
17592	100726	2	3	1	3	2	2	2	3	1	2	127	184	63	17.8	2	5	4	33.8	10.5	3.61	1	9
17593	100727	2	3	1	3	2	2	1	3	1	2	127	184	60	12.8	2	5	4	38.0	10.9	3.57	1	9
17594	100728	2	3	1	3	2	2	2	3	1	2	127	185	59	20.0	2	5	4	31.7	11.5	3.39	1	9
17595	100729	2	3	1	3	2	2	2	3	1	4	128	182	80	18.0	2	5	4	35.5	10.4	3.46	1	7
17596	100730	2	3	1	1	2	2	2	3	1	4	128	185	95	21.2	2	5	4	40.0	10.7	3.64	1	3
17597	100731	2	3	1	1	2	2	2	3	1	2	126	184	97	22.2	2	5	4	39.6	10.5	3.80	1	7
17598	100732	2	3	1	3	2	2	2	3	1	4	125	184	75	20.0	2	5	4	34.3	11.4	3.59	1	9
17599	100733	2	3	1	3	2	2	1	3	1	4	125	184	70	22.4	2	5	4	36.5	10.6	3.39	1	9
17600	100734	2	3	1	3	2	2	2	3	1	2	122	184	75	24.6	2	5	4	41.1	11.3	3.36	1	9
17601	100735	2	3	1	3	2	2	2	3	1	4	128	187	75	21.0	2	5	4	37.1	11.1	3.60	1	9
17602	100736	2	3	1	3	2	2	2	3	1	4	128	187	70	27.2	2	5	4	35.8	10.4	3.65	1	9
17603	100737	2	3	1	3	2	2	1	3	1	4	128	187	65	21.2	2	5	4	37.0	10.5	3.61	1	9
17604	100738	1	3	1	3	2	2	2	3	1	2	128	186	55	20.0	2	5	4	37.7	11.6	3.44	1	9
17605	100739	2	3	1	3	2	2	2	3	1	4	130	186	80	24.8	3	5	4	31.0	11.2	3.48	2	7
17606	100740	2	3	1	1	2	2	2	3	1	2	128	186	75	19.2	2	5	4	33.2	10.7	3.64	1	9
17607	100741	2	3	1	3	2	2	2	3	1	2	127	186	65	13.8	2	5	4	37.8	11.3	3.36	1	9
17608	100742	2	3	1	3	2	2	2	3	1	2	127	185	65	17.6	2	5	4	34.9	10.8	3.70	1	9
17609	100743	2	3	1	1	2	2	2	3	1	2	128	188	70	16.2	2	5	4	37.6	10.6	3.67	1	7
17610	100744	2	3	1	3	2	2	2	3	1	4	128	186	70	12.8	2	5	4	30.4	10.2	3.62	1	9
17611	100745	1	3	1	3	2	2	1	3	1	2	128	187	65	13.4	2	5	4	34.1	9.8	3.57	1	9
17612	100746	2	3	1	3	2	2	2	3	1	4	128	187	75	12.2	2	5	4	41.0	9.7	3.71	1	9
17613	100747	2	2	1	3	2	2	2	3	1	4	128	187	70	16.6	1	5	4	35.4	10.6	3.67	1	9
17614	100748	2	3	1	1	2	2	2	3	1	2	128	188	65	18.0	2	5	4	35.7	10.3	3.68	1	9
17615	100749	2	3	1	3	2	2	2	3	1	2	130	186	65	21.0	1	5	4	38.5	10.8	3.61	1	9
17616	100750	2	3	1	1	2	2	1	3	1	4	130	187	60	21.2	2	5	4	36.7	11.2	3.57	1	9
17617	100751	2	3	1	3	2	2	2	3	1	2	128	187	85	24.8	2	5	4	37.1	10.8	3.61	1	9
17618	100752	2	3	3	1	2	2	1	3	1	1	128	188	90	26.0	2	5	4	44.8	13.8	3.55	1	7
17619	100753	1	3	1	3	2	2	1	1	1	2	130	188	90	22.8	2	5	4	39.6	10.6	3.58	1	7
17620	100754	2	3	1	3	2	2	2	3	1	2	128	188	65	21.4	2	5	4	39.9	11.1	3.60	1	7
17621	100755		3	1	1	2	2	2	3	1	4	127	186	55	16.8	2	5	4	32.6	9.5	3.68	1	9
17622	100756	1	3	1	3	2	2	2	3	1	4	128	186	75	14.6	2	5	4	33.9	10.8	3.42	1	9
17623	100757	2	3	1	1	2	2	1	3	1	4	128	184	85	16.0	2	5	4	28.4	11.4	3.85	1	7
17624	100758	2	1	1	1	2	2	2	3	1	2	128	182	65	20.8	2	5	4	38.6	11.0	3.54	1	7
17625	100759	2	3	1	3	2	2	2	3	1	2	127	187	75	13.8	2	5	4	36.7	11.6	3.53	1	9
17626	100760	2	2	1	1	2	2	2	9	1	4	130	192	100	14.8	2	5	4	45.9	12.0	3.50	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17627	100761	2	3	1	1	2	2	2	9	1	2	138	192	85	16.0	2	5	4	54.3	11.9	3.52	1	3
17628	100762	1	3	1	3	2	2	2	3	1	4	130	187	75	15.6	2	5	4	32.4	11.1	3.69	2	9
17629	100763	2	3	1	3	2	2	2	3	1	4	128	192	90	15.4	2	5	4	32.9	11.2	3.66	1	9
17630	100764	2	3	1	1	2	2	2	3	1	2	139	194	95	23.2	2	5	4	45.8	11.4	3.59	2	5
17631	100765	2	2	1	3	2	2	2	3	1	1	137	185	100	23.0	3	5	4	37.1	11.7	3.58	1	9
17632	100766	2	3	1	3	2	2	2	3	1	4	138	192	95	20.2	3	5	4	47.3	12.7	3.38	1	5
17633	100767	2	3	1	1	2	2	1	3	1	2	139	192	80	19.2	2	5	4	49.6	12.1	3.47	1	3
17634	100768	3	1	1	1	2	2	1	1	1	1	148	192	70	24.0	3	5	4	27.9	11.6	3.70	2	3
17635	100769	3	1	1	1	2	2	1	1	1	1	152	194	80	19.6	2	5	4	30.0	13.1	3.43	1	3
17636	100770	3	1	1	1	1	2	1	1	1	1	153	195	105	22.8	3	5	4	27.5	12.4	3.54	1	3
17637	100771	3	1	1	1	1	2	1	3	1	4	144	192	110	25.0	2	5	4	27.9	13.3	3.53	1	3
17638	100772	3	1	2	1	1	2	2	1	1	4	153	194	90	31.0	2	5	4	45.0	15.8	3.16	1	5
17639	100773	3	1	1	1	2	2	1	1	1	2	137	194	100	17.2	2	5	4	33.9	13.9	3.45	1	3
17640	100774	3	1	1	1	2	2	1	1	1	4	152	194	110	28.8	2	5	4	28.3	13.3	3.45	1	5
17641	100775	3	1	1	1	2	2	1	3	1	4	151	193	110	29.8	2	5	4	28.9	12.7	3.46	1	3
17642	100776	3	1	1	1	2	2	2	1	1	4	142	193	110	26.6	2	5	4	27.5	12.2	3.52	1	3
17643	100777	3	1	1	1	2	2	1	1	1	4	152	192	95	22.6	2	5	4	25.0	13.2	3.48	2	3
17644	100778	3	1	1	3	2	2	2	3	1	4	142	192	110	23.0	2	5	4	28.5	13.3	3.45	1	3
17645	100779	3	1	2	1	2	2	1	3	1	1	148	192	90	23.8	2	5	4	26.8	12.5	3.52	2	5
17646	100780	3	1	1	3	2	2	2	1	1	4	142	191	90	24.2	2	5	4	21.2	12.2	3.44	2	5
17647	100781	3	1	1	1	2	2	2	1	1	2	142	192	95	16.8	2	5	4	29.2	13.6	3.38	2	3
17648	100782	3	1	1	1	2	2	2	3	1	1	144	191	105	18.4	2	5	4	25.5	13.3	3.53	1	3
17649	100783	3	1	1	1	2	2	2	3	1	4	148	193	82	22.0	2	5	4	24.5	13.3	3.45	1	3
17650	100784	3	1	1	1	2	2	2	1	1	4	152	193	105	18.2	2	5	4	28.0	12.7	3.46	1	3
17651	100785	2	3	1	3	2	2	2	3	1	4	128	183	60	15.6	2	5	4	25.2	12.5	3.28	1	9
17652	100786	3	1	1	1	2	2	2	3	1	1	152	193	85	18.4	2	5	4	25.4	12.4	3.54	1	1
17653	100787	3	1	1	1	2	2	1	1	1	4	151	194	95	28.4	2	5	4	23.0	11.9	3.52	1	1
17654	100788	2	1	1	1	2	2	1	1	1	4	151	199	60	23.0	2	5	4	35.8	12.8	3.59	1	1
17655	100789	3	1	1	3	2	2	1	1	1	1	167	199	60	26.0	3	5	4	24.2	15.0	3.40	1	1
17656	100790	3	1	1	3	2	2	1	1	1	4	159	200	70	20.8	3	5	4	26.8	13.4	3.50	1	1
17657	100791	3	1	1	3	2	2	1	-	1	4	167	200	75	23.4	3	5	4	27.3	13.6	3.45	1	1
17658	100792	2	1	1	1	2	2	1	1	1	1	156	194	75	26.0	2	5	4	30.4	12.6	3.49	1	1
17659	100793	2	1	1	1	2	2	1	1	1	1	151	195	90	27.8	2	5	4	30.1	9.6	4.06	2	1
17660	100794	1	1	1	1	2	2	1	3	1	1	148	193	70	24.0	2	5	4	31.5	10.6	3.67	2	1
17661	100795	3	1	1	1	2	2	1	3	1	4	138	193	70	24.8	2	5	4	34.3	9.0	3.88	1	1
17662	100796	3	1	1	1	2	2	1	3	1	4	138	193	70	26.8	2	5	4	37.1	10.7	3.73	2	1
17663	100797	3	1	1	1	2	2	1	3	1	1	138	194	73	23.0	2	5	4	29.9	11.6	3.44	1	1
17664	100798	3	1	1	1	1	2	1	3	1	1	138	193	70	25.0	2	5	4	28.3	12.0	3.66	1	1
17665	100799	1	1	1	3	2	2	1	3	1	4	153	196	70	26.4	3	5	4	26.9	12.3	3.25	1	1
17666	100800	2	2	1	3	2	2	1	3	1	1	144	193	65	26.6	2	5	4	37.6	12.0	3.50	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17667	100801	2	1	1	3	2	2	1	1	1	4	149	196	50	24.0	3	5	4	26.9	14.0	3.35	1	1
17668	100802	2	1	1	3	2	2	1	3	1	4	-	197	70	28.8	3	5	4	26.6	12.1	3.55	1	1
17669	100803	2	1	1	1	2	2	2	3	1	4	145	197	60	26.6	3	5	3	25.8	12.9	3.64	2	1
17670	100804	2	1	1	1	2	2	2	3	1	4	145	196	70	25.6	3	5	3	24.8	12.7	3.46	2	1
17671	100805	3	1	1	3	2	2	1	3	1	2	144	196	70	25.4	2	5	4	39.3	14.1	3.40	2	3
17672	100806	3	1	1	3	2	2	1	3	1	2	144	196	70	20.4	2	5	4	48.9	12.5	3.44	1	3
17673	100807	2	1	1	3	2	2	2	3	1	1	144	195	70	22.4	2	5	4	29.0	11.0	4.18	1	1
17674	100808	3	1	1	1	2	2	1	3	1	4	-	202	45	18.0	3	5	4	19.3	18.1	3.20	1	1
17675	100809	3	1	1	3	2	1	1	1	1	2	139	197	80	24.0	2	5	4	30.6	11.1	3.69	1	1
17676	100810	3	1	1	1	2	1	1	3	1	2	142	189	75	26.0	2	5	4	30.3	11.1	3.69	1	3
17677	100811	3	2	1	1	2	1	2	3	1	4	136	189	80	25.0	2	5	4	30.5	10.3	3.68	1	7
17678	100812	3	2	1	1	2	1	1	3	1	1	136	185	60	23.8	2	5	4	33.4	11.4	3.68	1	7
17679	100813	3	1	1	1	2	1	2	3	1	2	138	196	95	30.4	2	5	4	32.0	12.3	3.65	1	3
17680	100814	3	1	1	1	2	1	1	3	1	2	156	194	105	25.6	3	5	4	26.6	11.9	3.52	1	7
17681	100815	3	1	1	1	2	1	1	3	1	2	156	195	65	32.2	2	5	4	28.2	12.1	3.47	1	5
17682	100816	3	1	1	1	2	1	2	3	1	2	151	195	85	34.0	2	5	4	25.9	13.4	3.50	1	5
17683	100817	3	1	1	1	1	2	1	3	1	1	144	189	95	27.0	2	5	4	36.1	11.9	3.69	1	7
17684	100818	3	1	1	1	1	2	1	3	1	1	142	189	95	21.2	2	5	4	34.7	11.5	3.82	1	7
17685	100819	3	1	1	1	2	1	1	3	1	4	144	186	100	19.6	2	5	4	30.3	12.7	3.62	1	7
17686	100820	3	1	1	1	1	2	1	3	1	1	142	185	105	20.8	2	5	4	34.9	11.4	3.59	1	5
17687	100821	3	1	-	-	-	-	-	-	1	-	148	-	-	-	-	-	-	32.7	12.0	3.41	1	-
17688	100822	3	1	-	1	2	1	1	3	1	4	148	193	85	18.8	2	5	4	24.4	11.2	3.66	1	7
17689	100823	3	1	1	1	2	1	1	1	1	4	148	194	90	26.0	2	5	4	25.5	11.5	3.65	2	3
17690	100824	3	1	1	1	2	1	1	1	1	4	148	194	95	23.6	2	5	4	25.1	11.0	3.72	2	1
17691	100825	2	1	1	-	-	2	2	3	1	1	142	192	90	24.0	3	5	3	26.3	12.8	3.59	2	1
17692	100826	2	1	1	-	-	2	2	3	1	1	142	192	90	27.4	3	5	3	28.2	13.0	3.46	2	1
17693	100827	3	1	1	1	1	2	1	3	1	1	148	193	100	26.0	2	5	4	33.9	11.9	3.69	1	1
17694	100828	3	1	1	1	1	2	1	3	1	1	148	194	100	26.6	2	5	4	32.1	11.0	3.63	1	1
17695	100829	3	1	1	1	1	2	1	1	1	4	137	191	100	21.2	2	5	4	32.9	11.5	3.21	2	5
17696	100830	3	1	1	1	1	2	1	1	1	2	137	190	100	22.0	2	5	4	33.4	11.7	3.50	1	3
17697	100831	2	1	1	1	2	1	1	3	1	2	138	194	70	21.2	3	5	4	20.6	13.9	3.16	1	3
17698	100832	3	1	2	1	2	2	1	1	1	4	142	192	100	34.0	1	5	4	40.3	12.5	3.52	2	5
17699	100833	3	1	1	1	1	2	1	1	1	1	139	194	85	23.8	2	5	4	36.4	11.6	3.53	1	7
17700	100834	3	1	1	1	1	2	1	3	1	1	139	193	100	23.6	2	5	4	35.4	12.1	3.63	2	5
17701	100835	3	1	2	1	2	2	1	3	1	4	139	193	120	28.0	2	5	4	49.1	14.3	3.42	1	5
17702	100836	2	1	1	1	2	2	2	1	1	1	148	193	100	21.4	2	5	4	29.7	11.4	3.68	1	3
17703	100837	1	2	1	1	2	2	2	3	1	1	144	192	90	21.0	2	5	5	27.6	12.1	3.55	1	1
17704	100838	3	1	1	1	1	2	1	3	1	1	148	194	95	24.0	2	5	4	28.1	11.3	3.53	1	3
17705	100839	3	1	1	1	1	2	1	3	1	1	148	197	80	26.6	2	5	4	25.8	11.4	3.77	1	1
17706	100840	2	1	1	1	2	2	2	1	1	4	137	198	100	30.8	3	5	5	31.0	12.2	3.52	1	1

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17707	100841	3	1	1	3	2	2	1	3	1	4	137	194	90	28.8	2	5	4	26.5	12.4	3.62	1	1
17708	100842	3	1	1	1	2	2	2	3	1	4	136	196	90	26.2	3	5	5	26.7	12.5	3.60	1	3
17709	100843	3	2	1	1	1	2	1	3	1	1	148	196	100	26.6	3	5	3	29.7	11.2	3.48	1	1
17710	100844	3	1	1	1	1	2	1	3	1	1	152	194	95	23.0	2	5	4	28.2	11.5	3.65	1	1
17711	100845	3	1	1	1	1	2	2	3	1	1	152	194	105	27.2	2	5	4	32.2	10.9	3.76	1	3
17712	100846	3	1	1	1	2	2	1	3	1	4	138	193	105	28.0	2	5	4	37.2	11.8	3.47	1	7
17713	100847	3	1	1	1	1	2	1	3	1	1	135	192	95	26.6	2	5	4	33.0	11.7	3.67	1	7
17714	100848	2	3	1	1	1	2	1	3	1	4	135	193	95	27.6	2	5	4	32.1	11.0	3.81	1	9
17715	100849	2	1	1	1	2	2	2	3	1	2	139	192	81	18.4	2	5	4	34.0	11.2	3.57	1	5
17716	100850	2	1	1	1	2	2	1	1	1	1	137	194	90	18.2	2	5	4	31.0	11.1	3.69	1	3
17717	100851	3	1	1	1	2	2	1	3	1	4	142	189	100	20.4	2	5	4	34.1	11.8	3.55	1	5
17718	100852	3	1	1	1	2	2	1	3	1	4	139	188	95	17.0	2	5	4	33.1	12.5	3.52	1	5
17719	100853	1	2	1	-	-	2	2	5	1	1	142	188	90	20.2	3	5	3	33.4	11.9	3.61	1	1
17720	100854	1	2	1	-	-	2	2	5	1	1	142	193	90	21.6	3	5	3	33.6	12.6	3.57	1	1
17721	100855	2	1	1	1	2	2	1	3	1	4	156	195	95	23.0	3	5	4	30.4	12.3	3.65	1	1
17722	100856	2	1	1	1	2	2	1	3	1	4	156	195	95	23.2	3	5	4	34.7	11.9	3.52	1	3
17723	100857	3	1	1	1	1	2	1	3	1	2	144	194	100	22.2	2	5	4	43.9	13.3	3.38	1	7
17724	100858	3	1	1	1	1	2	1	1	1	2	142	194	95	23.2	2	5	4	43.9	12.9	3.56	1	5
17725	100859	2	1	1	1	2	2	2	3	1	4	138	196	105	25.0	3	5	5	36.7	12.6	3.73	1	1
17726	100860	2	1	1	1	2	2	2	3	1	4	137	195	100	30.6	3	5	5	33.8	11.9	3.61	1	1
17727	100861	2	1	1	1	2	2	2	3	1	4	138	195	95	26.6	3	5	5	34.1	12.2	3.52	1	1
17728	100862	2	1	1	1	2	2	2	3	1	4	142	197	90	25.2	3	5	5	28.2	13.3	3.45	1	1
17729	100863	3	1	1	1	1	2	2	3	1	4	142	197	95	22.2	3	5	5	30.2	12.2	3.68	1	1
17730	100864	3	1	1	1	1	2	1	3	1	1	137	189	95	23.4	2	5	4	32.5	11.9	3.61	1	3
17731	100865	3	1	1	1	1	2	2	3	1	4	135	192	100	21.4	2	5	4	35.1	11.5	3.56	1	3
17732	100866	3	1	1	1	1	2	2	3	1	1	144	194	95	22.8	2	5	4	30.6	11.6	3.62	1	3
17733	100867	2	1	1	1	2	2	2	3	1	1	148	194	95	18.8	2	5	4	32.6	10.9	3.66	1	3
17734	100868	2	2	1	1	2	2	1	3	1	1	142	195	95	24.8	2	5	4	36.8	10.2	3.82	1	1
17735	100869	1	3	1	1	1	2	1	3	1	1	126	186	90	24.4	2	5	4	34.7	10.5	3.52	1	3
17736	100870	1	3	1	3	1	2	2	3	1	4	126	189	70	20.0	2	5	4	38.9	11.5	3.56	1	3
17737	100871	1	3	2	1	2	2	2	3	1	1	130	196	80	31.6	2	5	4	47.3	10.9	3.57	1	1
17738	100872	2	3	2	1	2	2	1	3	1	1	128	191	90	34.6	2	5	4	34.8	9.9	4.14	1	1
17739	100873	3	3	1	1	2	2	2	1	1	4	128	183	100	20.4	2	5	4	40.7	12.0	3.50	1	7
17740	100874	3	1	1	1	2	2	1	3	1	1	128	186	60	21.0	2	5	4	33.6	11.3	3.71	1	3
17741	100875	2	1	1	3	2	2	1	1	1	1	130	185	70	22.4	2	5	4	36.4	11.5	3.56	1	3
17742	100876	1	2	1	-	-	2	1	1	1	1	135	193	80	23.4	3	5	2	31.7	10.9	3.76	1	7
17743	100877	2	2	2	1	2	2	2	3	1	4	139	197	70	28.0	2	5	4	36.2	10.3	3.59	1	1
17744	100878	3	1	1	1	2	2	1	1	1	4	135	190	105	30.4	1	5	4	32.9	12.7	3.62	1	1
17745	100879	1	1	1	1	2	2	1	3	1	2	148	193	75	25.0	2	5	4	31.9	11.4	3.50	1	1
17746	100880	2	1	1	1	2	2	1	3	1	4	127	189	75	23.4	2	5	4	32.1	10.5	3.71	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17747	100881	3	1	1	1	2	2	1	3	1	4	151	194	85	22.6	2	5	4	32.9	11.4	3.77	1	5
17748	100882	3	1	1	1	2	2	2	3	1	2	152	197	90	23.2	2	5	4	33.8	12.8	3.43	1	5
17749	100883	2	1	1	1	2	2	1	3	1	2	144	195	90	21.0	2	5	4	31.3	11.3	3.98	1	3
17750	100884	2	2	1	1	2	2	1	3	1	2	138	193	90	27.6	3	5	4	28.4	12.8	3.28	2	1
17751	100885	2	1	1	1	2	2	2	1	1	4	138	197	80	28.0	2	5	4	34.5	12.4	3.79	1	5
17752	100886	1	1	1	1	2	2	2	3	1	4	163	197	60	27.6	3	5	4	26.7	12.8	3.59	1	1
17753	100887	2	3	1	1	2	2	1	3	1	1	135	187	100	23.8	3	5	4	30.8	11.0	3.72	1	1
17754	100888	2	3	1	1	2	2	1	3	1	1	139	192	85	26.2	3	5	4	35.8	9.7	3.91	1	5
17755	100889	2	1	1	1	2	2	2	3	1	1	135	190	100	21.6	2	5	4	46.3	11.0	4.18	1	5
17756	100890	2	1	1	1	2	2	2	3	1	4	135	189	95	20.0	2	5	4	46.7	12.4	3.46	1	5
17757	100891	2	1	1	1	2	2	2	3	1	4	135	192	95	24.0	2	5	4	46.1	12.6	3.80	1	5
17758	100892	2	1	1	1	2	2	1	3	1	2	135	191	105	24.4	2	5	4	47.4	11.9	3.52	1	5
17759	100893	2	1	1	1	2	2	1	3	1	1	135	192	120	22.6	2	5	4	42.5	10.3	4.17	1	5
17760	100894	2	1	1	1	2	2	2	3	1	1	135	189	110	23.2	2	5	4	43.0	12.2	3.52	1	5
17761	100895	2	1	1	1	2	2	2	3	1	2	135	189	90	22.0	2	5	4	36.5	10.8	3.70	1	5
17762	100896	2	1	1	1	2	2	2	3	1	1	135	189	105	23.2	2	5	4	45.5	11.4	3.68	1	5
17763	100897	2	1	1	1	2	2	2	3	1	4	135	189	90	22.2	2	5	4	44.3	11.7	3.58	1	5
17764	100898	1	3	1	3	1	2	2	3	1	4	135	189	75	28.0	1	5	4	41.6	11.4	3.68	2	7
17765	100899	1	2	1	1	2	1	1	1	1	1	144	194	70	21.4	2	5	4	32.4	11.2	3.75	1	7
17766	100900	1	3	3	1	2	2	1	3	1	1	135	187	90	26.2	2	5	4	61.9	14.8	3.51	1	5
17767	100901	-	3	-	1	2	2	1	9	1	2	135	193	100	24.8	1	5	4	54.4	13.3	3.45	1	5
17768	100902	1	3	3	1	2	2	1	9	2	4	131	189	100	24.8	1	4	4	49.7	12.7	3.46	2	5
17769	100903	1	3	1	1	2	2	1	9	1	2	128	189	95	23.4	1	4	4	37.5	11.7	3.67	1	5
17770	100904	3	3	2	1	2	2	2	3	1	4	135	190	95	32.0	2	5	4	-	11.9	3.69	1	5
17771	100905	2	3	1	1	2	2	1	3	1	1	144	192	77	27.0	3	5	4	37.2	10.9	3.76	1	7
17772	100906	3	3	1	1	2	2	2	3	1	4	128	194	50	24.0	2	5	4	34.9	11.1	3.60	2	9
17773	100907	3	1	1	1	2	2	2	3	1	4	144	194	85	25.2	3	5	4	36.9	10.5	3.61	1	1
17774	100908	2	3	1	3	2	2	1	3	1	2	144	194	75	20.0	2	5	4	41.6	9.7	4.02	1	9
17775	100909	1	1	1	1	2	2	2	3	1	1	144	194	95	9.8	2	5	4	34.5	13.0	3.46	1	3
17776	100910	2	1	1	1	2	2	2	9	1	2	153	194	110	19.8	2	5	4	29.8	11.6	3.70	1	3
17777	100911	3	1	1	1	2	2	2	3	1	2	153	194	95	19.6	2	5	4	28.9	11.7	3.41	1	3
17778	100912	2	1	1	1	2	2	2	3	1	2	164	198	90	20.2	2	5	4	28.4	13.5	3.33	1	7
17779	100913	2	1	1	1	2	2	2	3	1	4	156	194	100	19.6	2	5	4	27.3	12.5	3.60	1	3
17780	100914	2	1	1	1	2	2	1	1	1	2	163	197	95	21.8	3	5	4	27.2	10.8	3.51	1	5
17781	100915	2	1	1	1	2	2	2	3	1	4	151	193	85	25.2	3	5	4	32.1	12.9	3.56	1	3
17782	100916	2	1	1	1	2	2	2	3	1	4	148	194	90	21.4	2	5	4	29.7	11.9	3.44	1	3
17783	100917	3	1	1	1	2	2	2	1	1	2	156	194	95	25.2	2	5	4	31.2	12.4	3.46	1	5
17784	100918	2	2	1	1	2	2	1	1	1	2	144	194	95	27.8	2	5	4	30.4	12.0	3.58	2	5
17785	100919	1	3	1	1	2	2	1	1	1	4	122	183	90	32.0	2	5	4	35.5	12.6	3.57	1	3
17786	100920	2	3	2	1	2	2	2	3	1	4	135	186	95	25.6	2	4	4	51.1	9.6	3.85	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17787	100921	2	3	2	1	2	2	2	3	1	4	131	196	70	28.8	2	5	4	54.1	14.1	3.33	1	3
17788	100922	2	3	1	1	2	2	2	3	1	4	135	185	70	20.6	2	5	4	35.9	11.4	3.77	1	9
17789	100923	2	3	1	1	2	2	1	3	1	1	151	194	80	31.2	3	5	4	50.2	11.5	3.73	1	3
17790	100924	2	3	2	1	2	2	2	3	1	1	144	194	75	27.2	2	5	4	35.9	11.0	3.45	1	3
17791	100925	2	1	2	1	2	2	2	3	1	4	138	196	75	26.0	2	5	4	41.5	13.6	3.45	1	1
17792	100926	3	1	1	1	2	2	2	3	1	4	144	191	100	26.6	2	5	4	35.3	12.0	3.58	1	3
17793	100927	1	3	1	1	2	1	2	3	1	4	130	190	90	23.8	2	5	4	37.2	8.5	5.05	1	7
17794	100928	3	1	1	1	2	2	2	1	1	4	153	200	75	28.0	3	5	4	32.1	11.9	3.69	1	1
17795	100929	1	3	1	1	1	2	2	3	1	4	131	189	90	23.4	2	5	4	32.6	11.2	3.66	1	5
17796	100930	1	3	1	1	1	2	2	3	1	4	135	188	80	16.6	2	5	4	36.8	11.3	3.71	1	7
17797	100931	1	3	1	1	1	2	2	3	1	1	135	189	80	20.6	2	5	4	37.3	11.5	3.65	1	7
17798	100932	1	3	1	1	1	2	2	3	1	1	131	189	70	12.2	2	5	4	36.6	10.9	3.76	1	7
17799	100933	1	3	1	1	1	2	2	3	1	1	130	189	90	18.0	2	5	4	35.7	11.0	3.72	1	5
17800	100934	1	3	1	3	1	2	2	3	1	1	128	189	75	17.6	2	5	4	35.8	11.1	3.69	1	9
17801	100935	1	3	1	3	1	2	2	3	1	1	135	192	75	21.0	2	5	4	38.0	10.4	3.75	1	9
17802	100936	1	3	1	3	1	2	2	3	1	4	130	190	85	21.8	2	5	4	35.8	11.7	3.67	1	9
17803	100937	1	3	1	3	1	2	2	3	1	1	131	190	70	21.0	2	5	4	35.1	10.7	3.64	1	9
17804	100938	1	3	1	3	1	2	2	3	1	4	130	187	90	25.6	2	5	4	35.9	10.8	3.79	1	9
17805	100939	1	3	1	3	1	2	2	3	1	4	130	188	80	24.2	2	5	4	34.7	11.0	3.72	1	9
17806	100940	1	3	1	1	2	2	2	3	1	1	130	187	70	21.6	2	5	4	36.6	10.1	3.76	1	9
17807	100941	1	3	1	1	1	2	2	3	1	1	135	188	100	26.2	2	5	4	35.9	10.8	3.70	1	9
17808	100942	1	3	1	1	1	2	2	3	1	1	130	188	100	27.2	2	5	4	38.0	11.0	3.72	1	7
17809	100943	1	3	1	1	1	2	2	3	1	1	130	189	80	21.0	2	5	4	37.1	11.5	3.56	1	7
17810	100944	1	3	1	1	1	2	2	3	1	4	135	189	70	23.6	2	5	4	37.4	10.5	3.71	1	7
17811	100945	1	2	1	1	1	2	2	3	1	1	131	186	90	21.6	2	5	4	38.7	10.2	3.72	1	7
17812	100946	1	3	1	1	1	2	2	3	1	1	131	190	95	20.8	2	5	4	34.4	10.3	3.68	1	5
17813	100947	2	3	1	1	1	2	2	3	1	1	131	192	90	19.8	2	5	4	35.3	11.0	3.54	1	7
17814	100948	2	3	1	1	1	2	1	3	1	1	131	192	81	17.8	2	5	4	32.8	11.7	3.58	1	7
17815	100949	2	2	1	1	1	2	1	1	1	2	135	187	100	24.6	2	5	4	31.8	12.4	3.62	1	5
17816	100950	2	3	1	1	2	2	1	5	1	4	135	186	100	23.4	2	5	4	29.5	12.0	3.75	1	3
17817	100951	2	3	1	1	2	2	2	5	1	1	128	186	100	24.0	3	5	4	32.2	11.6	3.79	1	3
17818	100952	2	3	1	1	2	2	1	5	1	2	135	185	105	23.6	2	5	4	29.3	11.8	3.72	1	3
17819	100953	1	3	1	1	1	2	2	5	1	1	127	189	105	23.8	2	5	4	32.1	10.5	4.09	1	3
17820	100954	1	3	1	1	1	2	1	3	1	1	127	188	95	22.6	2	5	4	30.7	10.7	3.73	1	9
17821	100955	1	3	1	1	1	2	2	3	1	4	127	189	100	26.2	2	5	4	39.3	9.1	3.95	1	9
17822	100956	1	3	1	1	1	2	2	3	1	4	127	189	95	24.4	2	5	4	37.0	9.7	3.91	1	7
17823	100957	2	3	1	1	1	2	2	3	1	1	138	194	80	26.0	2	5	4	34.8	10.0	3.60	1	5
17824	100958	2	3	1	1	1	2	1	5	1	1	130	190	95	23.6	2	5	4	33.3	10.3	3.78	1	7
17825	100959	1	3	1	1	1	2	2	3	1	4	135	192	85	28.4	2	5	4	35.7	12.4	3.62	1	5
17826	100960	1	3	1	1	1	2	2	3	1	4	128	191	85	22.0	2	5	4	37.8	10.1	3.86	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17827	100961	2	3	1	1	1	2	2	3	1	1	135	192	95	27.2	2	5	4	38.9	10.1	3.86	1	3
17828	100962	1	3	1	1	1	2	2	3	1	1	135	190	100	24.2	2	5	4	34.5	10.6	3.77	1	3
17829	100963	1	3	1	1	1	2	2	3	1	4	140	190	95	22.0	2	5	4	39.6	10.7	3.55	1	3
17830	100964	1	3	1	1	1	2	2	3	1	4	135	189	100	21.4	2	5	4	33.5	10.8	3.79	1	3
17831	100965	1	3	1	3	1	2	2	3	1	1	135	189	90	22.0	2	5	4	35.4	10.1	3.86	1	7
17832	100966	1	3	1	3	1	2	2	3	1	4	130	185	90	21.8	2	5	4	36.3	10.3	3.68	1	7
17833	100967	1	3	1	1	1	2	1	3	1	4	138	189	95	23.6	2	5	4	29.6	12.2	3.60	1	5
17834	100968	2	3	1	1	1	2	2	3	1	1	138	195	95	25.8	1	5	4	28.6	10.6	4.05	1	3
17835	100969	2	3	1	1	1	2	2	3	1	1	142	195	80	24.6	1	5	4	28.6	12.2	3.70	1	3
17836	100970	1	3	1	1	1	2	2	5	1	2	130	183	90	21.0	2	5	4	44.3	12.3	3.57	1	1
17837	100971	1	3	1	1	1	2	2	3	1	2	122	177	80	20.4	2	5	4	36.8	11.0	3.72	1	1
17838	100972	1	3	1	1	1	2	2	3	1	2	128	190	85	21.8	2	5	4	37.6	10.8	3.79	1	7
17839	100973	2	3	1	3	1	2	1	5	1	4	124	183	90	19.6	2	5	4	32.0	12.2	3.68	1	1
17840	100974	1	3	1	3	1	2	1	5	1	4	128	183	90	20.8	2	5	4	37.9	11.8	3.64	2	3
17841	100975	1	3	1	3	1	2	2	5	1	4	128	183	85	22.2	2	5	4	38.2	12.7	3.54	1	1
17842	100976	1	3	1	3	1	2	1	5	1	4	128	183	90	19.2	2	5	4	38.7	13.8	3.33	1	5
17843	100977	2	3	1	3	1	2	2	5	1	4	128	183	85	19.0	2	5	4	39.3	13.0	3.46	1	3
17844	100978	2	3	1	3	1	2	1	3	1	4	126	182	100	20.4	2	5	4	27.4	11.0	3.81	1	9
17845	100979	1	3	1	1	1	2	2	3	1	4	122	181	95	22.2	2	5	4	33.6	12.0	3.58	1	3
17846	100980	2	3	1	1	1	2	2	1	1	1	122	184	95	19.2	2	5	4	35.1	12.0	3.58	1	5
17847	100981	1	3	1	1	1	2	2	1	1	1	122	185	100	27.6	2	5	4	27.4	11.1	3.87	1	7
17848	100982	1	3	1	1	1	2	2	3	1	1	126	185	95	22.2	2	5	4	28.5	10.8	3.70	1	7
17849	100983	2	3	2	1	2	2	2	3	1	1	131	189	80	28.8	2	5	4	38.7	11.3	3.71	1	1
17850	100984	2	3	2	1	2	2	2	3	1	4	135	190	75	28.8	2	5	4	40.6	11.7	3.58	1	1
17851	100985	3	3	2	1	2	2	2	3	1	4	138	190	80	29.4	2	5	4	38.7	10.7	3.64	1	1
17852	100986	2	3	2	1	1	2	2	3	1	1	142	190	80	28.8	2	5	4	37.5	11.4	3.68	1	3
17853	100987	2	3	1	1	2	2	1	3	1	1	128	185	85	22.0	2	5	4	30.8	10.9	3.66	1	5
17854	100988	2	2	1	1	2	2	2	3	1	4	135	182	85	25.6	3	5	4	32.4	11.5	3.65	1	7
17855	100989	2	3	2	1	2	2	2	3	1	1	137	192	75	25.0	2	5	4	38.5	10.9	3.57	1	3
17856	100990	3	2	1	1	2	2	1	3	1	1	138	188	75	22.6	3	5	4	40.7	11.7	3.67	1	9
17857	100991	3	2	1	1	2	2	1	5	1	2	167	193	85	26.6	3	5	4	33.1	10.7	3.73	1	3
17858	100992	3	1	2	1	2	2	1	3	1	2	158	190	100	24.6	2	5	4	33.8	11.7	3.67	1	5
17859	100993	3	1	2	1	2	2	1	3	1	4	151	190	115	32.0	2	5	4	49.0	15.5	3.54	1	5
17860	100994	3	1	2	1	2	2	1	3	1	1	143	190	110	29.0	2	5	4	39.4	12.8	3.51	1	5
17861	100995	3	1	2	1	2	2	2	3	1	4	148	190	115	36.4	2	5	4	41.8	11.6	3.53	1	5
17862	100996	3	1	2	1	2	2	1	3	1	2	148	190	105	29.0	2	5	4	47.7	12.2	3.60	1	7
17863	100997	3	1	2	1	2	2	1	3	1	2	148	190	105	31.6	2	5	4	44.9	12.8	3.35	1	3
17864	100998	3	1	2	1	2	2	1	3	1	4	143	190	110	30.2	2	5	4	44.7	11.8	3.55	1	5
17865	100999	3	1	2	1	2	2	1	3	1	2	139	190	115	27.6	2	5	4	53.6	14.2	3.45	1	5
17866	101000	3	1	2	1	2	2	1	3	1	4	148	190	115	28.0	2	5	4	50.1	12.7	3.54	1	5

IG	ICB	GHA	GCL	RNO	ACD	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17867	101001	3	1	2	1	2	2	1	3	1	4	153	190	95	26.4	2	5	4	53.8	12.1	3.47	1	3
17868	101002	3	1	2	1	2	2	2	3	1	2	156	190	105	29.0	2	5	4	53.5	13.4	3.50	1	5
17869	101003	3	1	2	1	2	2	1	3	1	1	156	190	95	24.0	2	5	4	46.2	13.3	3.53	1	5
17870	101004	1	1	2	1	2	2	2	3	1	1	135	195	90	25.6	2	5	4	42.9	11.2	3.57	1	1
17871	101005	1	1	2	1	2	2	2	3	1	4	136	195	90	26.8	2	5	4	48.1	12.6	3.65	1	1
17872	101006	3	1	1	-	-	2	2	5	1	4	135	196	85	25.2	3	5	3	33.4	11.7	3.58	1	1
17873	101007	3	1	1	-	-	2	2	5	1	4	142	196	90	20.0	3	5	3	36.4	12.1	3.71	1	1
17874	101008	3	1	1	1	2	2	2	5	1	4	156	196	80	26.8	3	5	5	26.1	11.2	4.10	1	1
17875	101009	3	1	1	1	2	2	2	5	1	4	138	196	85	25.4	3	5	5	33.2	11.8	3.64	1	1
17876	101010	2	1	1	3	1	2	2	3	1	1	135	192	75	21.6	2	5	4	37.3	11.4	3.77	1	1
17877	101011	3	1	1	3	2	2	1	3	1	4	156	193	80	25.0	3	5	4	31.2	12.0	3.58	1	1
17878	101012	1	3	1	9	2	1	1	7	2	3	128	193	80	17.2	2	5	4	32.5	10.7	3.73	1	5
17879	101013	2	1	1	3	2	2	2	1	1	4	156	195	85	27.6	3	5	4	32.9	12.5	3.68	1	1
17880	101014	3	1	1	1	2	2	1	3	1	1	148	195	85	20.6	3	5	4	34.4	11.9	3.44	1	1
17881	101015	3	1	1	1	1	2	1	5	1	4	144	189	80	23.4	3	5	4	30.8	12.4	3.70	1	3
17882	101016	3	1	1	1	2	2	1	3	1	4	144	192	90	27.4	2	5	4	31.5	11.2	3.75	1	3
17883	101017	3	1	1	1	2	2	1	5	1	2	143	192	95	25.4	2	5	4	31.5	11.1	3.60	1	3
17884	101018	3	1	1	1	2	2	1	3	1	2	144	191	90	22.6	2	5	4	30.1	10.8	3.79	1	5
17885	101019	3	1	2	1	2	2	1	3	1	4	148	189	110	24.8	1	5	4	49.3	13.6	3.52	1	3
17886	101020	3	1	2	1	2	2	1	3	1	1	142	189	95	30.0	2	5	4	45.6	13.1	3.43	1	3
17887	101021	2	1	2	1	2	2	1	3	1	4	151	191	110	22.6	2	5	4	53.9	14.5	3.37	1	3
17888	101022	2	1	2	1	2	2	2	3	1	4	142	192	105	31.2	1	5	4	45.4	12.0	3.16	1	3
17889	101023	3	1	2	1	2	2	2	3	1	2	151	190	85	27.8	1	5	4	55.7	13.0	3.53	1	3
17890	101024	3	1	2	1	2	2	2	3	1	1	148	190	110	28.2	2	5	4	50.2	13.7	3.43	1	3
17891	101025	3	1	2	1	2	2	2	3	1	4	148	190	120	33.0	2	5	4	53.5	13.4	3.58	1	5
17892	101026	3	1	2	1	2	2	2	3	1	4	148	190	110	28.0	1	5	4	56.7	14.0	3.42	1	5
17893	101027	3	1	2	1	2	2	1	3	1	4	148	190	110	23.4	2	5	4	51.3	13.4	3.50	1	5
17894	101028	3	1	2	1	2	2	2	3	1	4	148	190	95	27.2	2	5	4	47.9	12.8	3.43	1	5
17895	101029	3	1	2	1	2	2	1	3	1	4	151	189	100	25.2	2	5	4	45.6	13.6	3.38	1	5
17896	101030	3	1	2	1	2	2	2	3	1	4	144	190	95	23.8	2	5	4	49.9	13.7	3.50	1	3
17897	101031	3	1	2	1	2	2	1	3	1	4	156	190	100	28.0	2	5	4	51.4	12.9	3.56	1	3
17898	101032	2	1	2	1	2	2	1	3	1	1	153	190	100	30.2	2	5	4	51.5	13.2	3.48	1	7
17899	101033	3	1	1	3	2	2	2	3	1	2	148	193	95	24.6	2	5	4	37.0	11.5	3.65	1	3
17900	101034	2	1	1	3	2	2	2	3	1	4	139	193	80	24.8	2	5	4	38.1	11.5	3.73	1	1
17901	101035	2	1	1	3	2	2	2	1	1	4	148	196	70	21.2	2	5	4	38.8	10.6	3.77	1	1
17902	101036	2	1	2	1	2	2	2	3	1	1	156	196	90	32.4	2	5	4	45.4	10.3	3.59	1	1
17903	101037	1	2	2	1	2	2	2	3	1	4	137	190	90	29.8	2	5	4	40.1	11.6	3.53	1	1
17904	101038	2	3	1	1	1	2	2	3	1	2	153	190	90	25.4	2	5	4	36.0	10.7	3.73	1	3
17905	101039	2	3	2	1	2	2	2	3	1	2	138	190	70	26.8	2	5	4	37.2	11.1	3.78	1	3
17906	101040	3	1	1	1	2	2	1	3	1	4	152	190	90	25.8	2	5	4	34.7	10.9	3.66	1	1

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17907	101041	3	1	1	3	2	2	2	1	1	4	152	195	75	30.0	3	5	4	29.8	11.6	3.87	1	1
17908	101042	3	1	1	-	-	2	2	3	1	4	148	190	90	30.0	3	5	3	30.4	10.3	3.98	1	1
17909	101043	3	1	2	1	2	2	1	3	1	4	148	192	105	26.2	2	5	4	50.0	12.9	3.48	1	3
17910	101044	3	1	2	1	2	2	1	3	1	4	148	191	85	32.0	2	5	4	46.0	13.9	3.59	1	3
17911	101045	3	1	2	1	2	2	1	3	1	2	148	190	80	24.0	2	5	4	41.2	13.0	3.46	1	5
17912	101046	3	1	2	1	2	2	2	-	1	1	152	193	70	27.2	2	5	4	39.4	10.7	3.73	1	3
17913	101047	2	1	2	1	2	2	2	3	1	4	148	190	75	27.2	2	5	4	42.6	12.2	3.44	1	7
17914	101048	2	1	2	1	2	2	1	3	1	4	152	190	85	26.0	2	5	4	46.6	12.3	3.57	1	1
17915	101049	3	1	2	1	2	2	1	3	1	2	148	195	80	28.4	2	5	4	40.6	12.1	3.55	1	1
17916	101050	3	1	1	1	2	2	2	3	1	1	156	195	75	20.4	2	5	4	31.4	11.3	3.71	1	1
17917	101051	3	1	1	1	2	2	2	3	1	2	156	195	80	25.4	2	5	4	40.3	10.8	3.51	1	1
17918	101052	3	1	1	1	2	2	1	-	1	1	159	206	70	20.6	3	5	4	29.6	10.5	3.80	1	1
17919	101053	3	1	1	1	2	2	2	-	1	1	167	203	70	25.8	3	5	4	27.6	9.8	3.87	1	1
17920	101054	2	1	1	3	2	2	1	3	1	1	156	191	80	25.2	2	5	4	26.1	10.2	3.82	1	1
17921	101055	3	1	1	3	2	2	2	3	1	1	158	194	60	25.0	3	5	4	31.6	13.9	3.52	1	1
17922	101056	3	1	1	1	2	2	2	1	1	4	159	205	85	23.4	3	5	4	19.6	11.6	3.62	1	1
17923	101057	3	1	1	1	2	2	1	3	1	4	164	205	65	26.8	3	5	4	25.8	12.2	3.27	1	1
17924	101058	1	3	1	3	1	2	2	3	1	4	128	185	60	14.4	2	5	4	36.3	13.5	3.48	1	7
17925	101059	1	3	1	1	2	2	1	3	1	4	135	182	70	20.0	2	5	4	36.0	10.7	3.83	1	7
17926	101060	2	3	1	3	2	2	2	3	1	1	126	181	75	25.2	2	5	4	33.3	10.9	3.76	1	9
17927	101061	2	2	1	1	2	2	1	3	1	1	135	185	90	27.4	2	5	4	32.2	9.8	3.77	1	1
17928	101062	2	2	3	-	-	2	1	1	1	4	138	196	75	27.2	2	5	3	29.3	11.4	3.68	1	3
17929	101063	1	3	1	1	1	2	1	3	1	4	122	181	85	24.4	2	5	4	34.9	11.5	3.65	1	7
17930	101064	2	1	1	3	2	1	2	3	1	4	135	177	40	20.0	2	5	4	21.4	16.7	3.23	1	9
17931	101065	2	2	1	1	2	2	2	3	1	4	135	183	51	20.0	2	5	4	26.0	13.3	3.45	1	9
17932	101066	1	3	1	3	2	2	2	3	1	2	130	180	40	20.8	2	5	4	25.6	12.5	3.20	1	7
17933	101067	1	3	1	3	1	2	2	5	1	2	126	180	45	20.0	2	5	4	25.2	13.2	3.56	1	7
17934	101068	1	3	1	3	-	1	1	3	1	2	130	181	50	24.0	2	5	4	24.7	-	-	1	7
17935	101069	2	3	1	3	2	2	2	3	1	4	126	181	55	21.2	2	5	4	23.6	14.3	3.63	1	7
17936	101070	2	1	1	1	2	2	2	1	1	1	130	184	55	22.6	2	5	4	28.7	11.3	3.62	2	3
17937	101071	2	2	2	1	2	2	2	1	1	1	128	185	75	24.0	1	5	4	54.7	14.0	3.28	1	5
17938	101072	2	1	1	3	2	2	2	5	1	1	130	185	55	18.6	2	5	4	22.3	16.8	3.33	1	5
17939	101073	2	1	1	3	2	2	1	5	1	4	128	183	85	22.6	2	5	4	30.1	14.3	3.49	1	5
17940	101074	2	2	1	3	2	2	1	5	1	4	135	181	50	20.0	2	5	4	22.2	-	-	1	9
17941	101075	1	3	1	3	2	2	2	5	1	4	120	181	45	19.6	2	5	4	26.0	14.1	3.40	1	9
17942	101076	1	1	1	3	2	2	2	5	1	4	127	190	30	20.0	2	5	4	17.1	14.3	3.28	2	9
17943	101077	1	2	1	3	2	2	2	5	1	2	127	190	60	22.6	2	5	4	25.4	12.5	3.52	1	1
17944	101078	2	1	1	3	2	2	2	5	1	4	135	190	30	21.4	2	5	4	-	-	-	1	9
17945	101079	1	2	1	3	2	2	2	5	1	4	128	190	50	24.4	2	5	4	31.8	14.5	3.51	2	1
17946	101080	1	3	2	3	2	2	1	3	1	4	128	190	60	20.8	3	5	4	45.1	12.5	3.52	1	1

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17947	101081	1	2	1	1	2	1	2	3	1	4	139	190	50	21.6	1	5	4	22.5	15.4	3.44	1	3
17948	101082	1	3	1	3	2	2	2	1	1	4	128	183	75	22.6	3	5	4	35.4	11.8	3.64	1	1
17949	101083	3	1	1	3	2	2	1	3	1	4	137	189	90	25.2	2	5	4	29.3	12.4	3.70	1	1
17950	101084	2	1	1	3	2	2	2	3	1	2	135	189	75	19.2	3	5	4	36.7	12.3	3.65	1	1
17951	101085	2	3	1	-	-	2	2	9	1	4	142	189	110	27.4	3	5	3	33.9	11.0	3.63	1	3
17952	101086	2	1	1	1	2	1	2	1	1	1	135	190	85	27.4	2	5	4	35.4	11.9	3.52	1	3
17953	101087	1	1	1	3	2	2	1	3	1	4	133	190	105	26.0	2	5	4	44.6	12.0	3.50	1	3
17954	101088	1	2	1	1	2	1	1	5	1	1	133	190	100	21.2	3	5	4	28.1	10.5	4.00	1	3
17955	101089	1	3	1	3	2	1	2	3	1	4	135	190	70	23.4	3	5	4	28.2	11.9	3.61	1	5
17956	101090	2	2	1	1	2	2	2	3	1	4	137	184	75	17.6	3	5	4	27.7	12.7	3.46	1	7
17957	101091	1	3	1	1	2	2	2	3	1	4	130	183	75	20.6	3	5	4	37.6	12.2	3.36	1	3
17958	101092	1	3	1	1	2	2	1	5	1	1	128	189	90	21.8	2	5	4	38.8	11.2	3.92	1	1
17959	101093	3	3	2	3	2	2	2	1	1	4	128	185	90	24.6	2	5	4	41.9	12.3	3.57	1	3
17960	101094	3	1	1	1	2	2	2	5	1	1	158	192	85	22.2	2	5	4	18.5	11.0	4.09	1	5
17961	101095	1	2	1	3	1	2	2	3	1	4	137	192	65	28.0	3	5	4	35.8	10.3	3.49	1	3
17962	101096	3	1	1	3	1	2	2	-	1	4	144	193	70	26.8	3	5	4	33.5	11.0	3.72	1	1
17963	101097	1	3	1	3	2	2	1	3	1	4	121	185	80	22.8	2	5	4	33.4	12.7	3.62	1	3
17964	101098	1	3	1	3	2	2	1	1	1	1	119	181	75	24.4	3	5	4	32.7	12.8	3.82	1	3
17965	101099	1	3	1	3	2	2	2	1	1	4	119	181	85	24.4	2	5	4	33.8	11.7	3.58	1	3
17966	101100	2	2	1	3	2	2	2	3	1	4	119	184	65	23.6	3	5	4	26.6	12.0	3.75	1	3
17967	101101	2	3	1	3	2	2	2	1	1	1	126	181	80	26.2	2	5	4	30.7	12.0	3.75	1	5
17968	101102	2	3	1	3	2	2	2	3	1	1	128	182	100	23.4	2	5	4	32.3	11.5	3.73	1	5
17969	101103	2	2	1	3	2	2	2	1	1	1	139	190	100	27.6	1	5	4	32.2	13.2	3.56	1	3
17970	101104	2	3	1	3	1	2	2	1	1	4	144	190	95	25.0	1	5	4	29.9	12.7	3.62	1	3
17971	101105	2	1	1	3	2	2	1	1	1	4	143	190	105	26.2	2	5	4	29.5	12.9	3.56	1	3
17972	101106	2	1	1	1	1	2	1	3	1	4	135	190	105	25.0	1	5	4	32.8	14.9	3.42	1	3
17973	101107	2	3	1	3	2	2	2	3	1	4	128	183	105	25.2	2	5	4	34.1	11.7	3.67	1	5
17974	101108	1	3	1	3	2	2	2	1	1	4	128	182	110	25.2	1	5	4	31.5	11.4	3.50	1	5
17975	101109	1	3	1	3	2	2	1	1	1	4	128	182	95	22.2	2	5	4	33.6	11.6	3.70	1	5
17976	101110	1	3	1	3	2	2	1	1	1	1	130	182	100	21.6	2	5	4	33.0	12.0	3.66	1	5
17977	101111	2	3	1	1	1	2	1	1	1	4	127	182	110	20.6	2	5	4	35.2	11.9	3.69	1	5
17978	101112	2	2	1	3	1	2	2	1	1	4	127	184	115	25.6	2	5	4	33.5	12.8	3.51	1	7
17979	101113	1	3	1	3	1	2	2	1	1	4	127	185	110	23.2	2	5	4	34.1	12.8	3.59	1	5
17980	101114	1	3	1	1	1	2	1	1	1	4	127	184	110	28.2	2	5	4	34.7	12.7	3.54	1	7
17981	101115	1	3	1	3	2	2	2	1	1	4	130	185	100	29.8	2	5	4	28.9	12.9	3.64	1	7
17982	101116	2	3	1	1	2	2	1	1	1	4	132	183	100	21.6	2	5	4	27.4	12.4	3.54	1	7
17983	101117	2	3	1	3	2	2	2	1	1	2	127	183	95	22.8	2	5	4	32.1	10.6	3.77	1	7
17984	101118	1	3	1	1	2	1	1	3	1	2	127	184	85	29.6	2	5	4	27.2	10.6	3.77	1	7
17985	101119	1	3	1	1	2	2	2	1	1	2	127	184	100	23.0	2	5	4	29.4	12.5	3.52	1	7
17986	101120	1	3	1	3	2	1	1	3	1	2	135	185	80	25.2	2	5	4	26.7	11.7	3.58	1	7

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
17987	101121	2	3	1	3	2	2	2	1	1	2	126	180	85	21.2	2	5	4	41.4	11.9	3.61	1	7
17988	101122	2	3	1	9	2	2	1	1	1	4	126	181	80	20.0	2	5	4	33.7	12.4	3.54	1	7
17989	101123	1	3	1	9	2	2	1	7	2	4	126	181	100	24.6	2	5	4	26.8	10.9	3.57	1	7
17990	101124	1	3	1	1	2	2	1	7	2	4	128	180	75	22.0	2	5	4	24.1	11.6	3.62	1	7
17991	101125	1	3	1	3	2	2	1	3	1	4	128	185	90	20.0	2	5	4	32.1	11.1	3.96	1	7
17992	101126	1	3	1	1	2	2	1	3	1	4	126	185	80	21.4	2	5	4	36.8	11.1	3.69	1	7
17993	101127	1	3	1	1	1	2	1	3	1	4	130	185	85	22.6	2	5	4	31.1	10.9	3.76	1	7
17994	101128	1	3	1	1	1	2	1	1	1	4	130	191	90	23.8	2	5	4	32.2	11.3	3.71	2	7
17995	101129	1	2	1	1	2	2	1	7	2	4	130	190	95	27.8	2	5	4	22.6	11.1	3.69	1	7
17996	101130	2	3	1	1	1	2	1	3	1	4	128	183	95	26.0	2	5	4	22.7	11.9	3.69	1	7
17997	101131	1	3	1	9	2	2	1	7	2	3	130	185	95	26.8	2	5	4	21.2	12.1	3.88	1	5
17998	101132	1	3	1	1	2	2	1	1	1	4	128	182	90	27.8	2	5	4	27.7	11.5	3.21	1	7
17999	101133	2	3	1	-	-	2	1	1	1	4	132	183	105	25.8	2	5	2	29.7	11.9	3.78	1	5
18000	101134	2	3	1	1	1	2	1	1	1	4	135	183	115	22.6	2	5	4	29.9	10.6	3.96	1	5
18001	101135	2	2	1	1	2	2	1	1	1	1	136	191	95	21.2	2	5	4	31.2	12.3	3.41	1	7
18002	101136	2	3	1	1	1	2	1	1	1	4	130	190	100	22.0	2	5	4	33.5	11.7	3.84	1	5
18003	101137	2	3	1	1	1	2	2	1	1	4	132	191	95	23.6	2	5	4	29.9	11.1	3.78	1	5
18004	101138	2	3	1	3	2	2	1	1	1	4	136	182	90	20.8	2	5	4	29.6	11.9	3.78	1	5
18005	101139	2	3	1	3	2	2	1	1	1	4	137	181	100	21.4	2	5	4	26.1	12.0	3.41	1	5
18006	101140	1	3	1	1	2	2	2	3	1	4	138	189	70	28.0	2	5	4	31.7	10.8	3.51	1	9
18007	101141	1	3	1	1	2	2	2	5	1	4	142	190	85	22.4	3	5	4	32.7	10.1	3.66	2	3
18008	101142	1	3	1	3	2	2	1	3	1	2	126	178	90	26.6	2	5	4	31.6	10.6	3.77	1	5
18009	101143	1	3	1	3	2	2	1	3	1	2	126	180	80	25.8	3	5	4	36.6	12.7	3.54	1	3
18010	101144	2	3	1	3	2	1	2	1	1	2	128	190	80	29.8	2	5	4	34.9	10.9	3.66	1	7
18011	101145	2	1	1	3	2	1	2	1	1	4	138	195	45	20.0	2	5	4	23.3	16.1	3.16	1	5
18012	101146	2	2	1	3	2	2	2	1	1	4	139	190	75	24.6	2	5	4	22.9	11.2	3.83	1	5
18013	101147	1	1	1	3	2	2	2	1	1	2	138	196	70	21.2	2	5	4	24.3	12.1	3.55	1	5
18014	101148	1	3	2	3	2	2	1	1	1	2	135	182	115	26.0	2	5	4	36.5	12.2	3.44	1	5
18015	101149	1	2	1	3	2	2	1	3	1	4	128	191	110	26.2	2	5	4	28.1	11.6	3.96	1	7
18016	101150	2	3	1	3	2	2	1	1	1	4	124	181	115	26.0	2	5	4	23.6	10.8	3.98	1	7
18017	101151	2	3	2	1	2	2	1	1	1	2	126	184	105	26.6	2	5	4	52.0	12.5	3.76	1	7
18018	101152	2	3	1	1	2	2	1	3	1	4	124	183	95	23.8	2	5	4	29.8	11.2	4.10	1	9
18019	101153	2	3	2	1	2	2	1	3	1	1	128	185	100	26.6	2	5	4	41.9	14.0	3.64	1	7
18020	101154	2	3	1	1	2	2	2	3	1	4	128	185	75	21.8	2	5	4	25.0	12.8	3.90	1	9
18021	101155	2	3	2	1	2	2	2	1	1	4	128	183	90	24.6	2	5	4	49.4	13.5	3.70	1	5
18022	101156	2	3	1	1	2	2	2	3	1	1	128	184	70	16.8	2	5	4	28.5	11.5	4.00	1	9
18023	101157	2	3	1	1	2	2	1	3	1	4	128	182	80	16.0	2	5	4	26.9	11.8	3.89	1	9
18024	101158	2	3	1	1	2	2	1	3	1	4	135	182	55	21.0	2	5	4	22.6	13.2	3.86	1	9
18025	101159	1	2	2	1	2	2	1	3	1	4	130	183	90	29.8	2	5	4	40.5	14.1	3.61	1	3
18026	101160	2	3	1	1	2	2	1	3	1	1	135	184	75	23.0	2	5	4	24.2	11.6	4.05	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18027	101161	2	3	2	1	2	2	2	3	1	1	135	183	110	29.0	2	5	4	38.8	15.0	3.53	1	3
18028	101162	2	2	1	1	2	2	2	3	1	1	137	184	95	26.2	2	5	4	21.4	13.1	3.74	1	5
18029	101163	2	3	2	1	2	2	2	3	1	4	149	191	110	32.0	3	5	4	42.5	15.8	3.48	1	5
18030	101164	2	3	1	1	2	2	2	3	1	1	143	191	110	26.8	3	5	4	31.5	13.5	3.62	1	7
18031	101165	2	3	2	1	2	2	2	3	1	4	135	190	95	21.6	2	5	4	45.3	14.5	3.65	1	7
18032	101166	1	3	1	1	2	2	2	3	1	1	128	182	90	20.0	2	5	4	24.3	12.1	3.88	1	9
18033	101167	2	3	1	3	2	2	1	3	1	4	128	179	85	23.6	2	5	4	24.9	13.1	3.74	1	9
18034	101168	2	2	3	7	2	2	2	7	2	3	126	182	95	22.0	1	5	4	44.9	15.6	3.46	1	7
18035	101169	2	3	1	1	2	2	2	3	2	4	126	182	80	19.8	2	5	4	24.5	13.0	3.84	1	7
18036	101170	1	3	1	3	2	2	1	1	1	4	135	190	100	22.8	2	5	4	26.6	11.8	3.89	1	5
18037	101171	1	3	1	1	2	2	1	3	1	1	135	190	100	31.0	2	5	4	26.9	12.6	3.80	1	7
18038	101172	1	3	1	1	2	2	1	1	1	4	135	190	95	20.0	2	5	4	28.1	12.9	3.79	1	7
18039	101173	1	3	1	1	2	2	1	1	1	4	128	183	100	23.6	2	5	4	27.7	13.1	3.74	1	3
18040	101174	1	3	1	1	2	2	1	1	1	1	128	182	90	20.8	2	5	4	28.9	13.7	3.72	2	3
18041	101175	1	3	1	1	2	2	1	1	1	4	138	182	90	25.6	2	5	4	26.6	13.0	3.76	1	9
18042	101176	2	3	1	1	2	2	1	1	1	1	135	182	90	24.6	2	5	4	28.9	12.7	3.77	1	9
18043	101177	2	3	1	1	2	2	1	9	1	2	138	183	95	20.2	2	5	4	48.1	11.5	3.73	1	9
18044	101178	2	3	1	1	2	2	1	3	1	1	138	184	90	22.6	2	5	4	46.3	11.4	3.68	1	9
18045	101179	2	2	1	1	1	2	1	3	1	2	135	185	105	16.2	2	5	4	39.4	11.9	3.78	1	5
18046	101180	2	3	1	1	1	2	1	5	1	1	135	185	110	27.0	2	5	4	39.6	11.7	3.76	1	5
18047	101181	2	1	1	1	2	2	1	1	1	4	149	190	100	22.0	2	5	4	34.3	10.7	3.92	1	5
18048	101182	2	1	1	1	2	2	1	3	1	1	149	190	95	21.0	2	5	4	31.8	10.6	4.05	1	7
18049	101183	2	3	1	1	2	2	2	3	1	1	135	190	110	16.2	2	5	4	33.6	13.0	3.84	1	5
18050	101184	2	3	1	1	2	2	1	3	1	4	135	182	100	24.6	2	5	4	24.8	12.1	3.88	1	9
18051	101185	2	1	1	1	2	2	1	1	1	4	137	182	110	20.4	2	5	4	31.0	10.6	4.05	1	9
18052	101186	2	1	1	1	2	1	2	9	1	4	135	192	85	24.2	3	5	4	38.0	13.1	3.66	1	5
18053	101187	2	3	1	1	2	1	2	3	1	4	142	191	100	24.0	3	5	4	-	15.6	3.52	1	5
18054	101188	2	3	1	3	2	2	1	1	1	4	135	183	105	23.2	2	5	4	33.1	12.5	3.92	1	9
18055	101189	2	3	1	3	2	2	1	3	1	4	128	183	95	20.0	3	5	4	28.3	11.9	3.69	1	5
18056	101190	2	3	1	-	-	2	1	3	1	4	128	184	90	27.2	3	5	3	31.4	12.2	3.85	1	5
18057	101191	2	1	1	1	2	2	2	1	1	1	144	183	115	26.2	2	5	4	27.6	15.4	3.63	1	5
18058	101192	-	1	1	1	2	2	1	3	1	4	-	182	115	26.0	2	5	4	31.7	-	-	1	5
18059	101193	2	3	1	3	2	2	2	3	1	4	128	183	110	25.8	2	5	4	27.6	11.6	3.87	1	7
18060	101194	2	2	1	-	-	2	2	3	1	4	135	184	110	25.0	2	5	3	29.8	-	-	1	9
18061	101195	2	2	1	1	2	1	2	3	1	4	135	190	95	24.0	3	5	4	40.2	12.9	3.56	1	9
18062	101196	1	1	1	1	2	1	2	1	1	4	142	195	77	29.6	3	5	4	-	-	-	1	9
18063	101197	1	3	2	1	2	2	1	1	1	1	144	191	85	29.0	3	5	4	42.9	12.0	3.75	1	3
18064	101198	2	3	1	1	2	2	2	1	1	1	153	190	80	28.2	2	5	4	44.5	13.1	3.58	1	3
18065	101199	2	3	1	1	1	2	2	3	1	4	138	183	100	22.2	2	5	4	34.0	13.1	3.66	1	3
18066	101200	1	1	1	1	1	2	2	3	1	4	135	190	110	27.8	2	5	4	36.3	15.0	3.33	1	9

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18067	101201	1	3	1	3	1	2	2	3	1	1	128	174	105	22.4	2	5	4	32.0	13.0	3.84	1	3
18068	101202	1	3	1	3	1	2	2	3	1	4	128	177	110	19.4	2	5	4	33.2	12.5	3.84	1	3
18069	101203	2	3	3	3	2	2	1	9	1	4	139	181	120	24.2	2	4	4	39.7	17.7	3.27	1	3
18070	101204	2	3	3	3	2	2	1	3	1	4	138	182	125	26.8	2	5	4	39.2	17.3	3.35	1	3
18071	101205	2	3	1	3	2	2	1	3	1	1	139	181	105	28.6	2	5	4	26.3	13.4	3.58	1	5
18072	101206	1	3	1	3	2	2	1	3	1	1	138	180	105	26.0	2	5	4	20.6	14.9	3.55	1	7
18073	101207	2	3	1	3	2	2	2	3	1	1	138	183	110	27.4	2	5	4	30.3	12.5	3.76	1	7
18074	101208	2	3	1	1	2	2	2	3	1	1	128	185	105	27.0	2	5	4	36.1	11.5	3.91	1	3
18075	101209	2	1	2	1	2	2	1	3	1	1	149	192	110	31.6	2	5	4	54.6	13.9	3.52	1	1
18076	101210	2	2	2	1	2	2	1	3	1	1	149	194	90	26.0	2	5	4	49.9	14.7	3.53	1	5
18077	101211	2	1	1	1	2	2	1	3	1	1	151	196	95	24.0	2	5	4	35.1	12.4	3.79	1	3
18078	101212	2	1	1	1	2	2	1	1	1	1	144	195	85	24.0	2	5	4	31.3	12.4	3.70	1	3
18079	101213	2	3	2	1	2	2	1	1	1	4	144	195	85	25.6	2	5	4	36.0	10.9	3.76	1	5
18080	101214	2	3	2	1	2	2	2	1	1	4	144	195	80	26.8	2	5	4	35.5	10.1	4.05	1	3
18081	101215	2	3	1	1	2	2	1	3	1	4	139	185	100	22.2	2	5	4	28.1	12.6	3.88	1	3
18082	101216	1	3	1	1	2	2	1	3	1	4	135	184	100	24.0	2	5	4	22.1	13.4	3.80	1	3
18083	101217	1	3	1	3	2	2	1	3	1	1	128	180	100	23.0	2	5	4	24.6	12.6	3.88	1	7
18084	101218	1	3	1	3	2	2	1	3	1	1	128	183	85	24.2	2	5	4	26.7	13.0	3.69	1	5
18085	101219	2	3	1	3	2	2	1	3	1	4	128	183	105	24.0	2	5	4	29.1	12.5	3.92	1	5
18086	101220	2	3	1	1	2	2	1	1	1	1	142	184	105	23.2	2	5	4	31.7	12.0	3.83	2	5
18087	101221	2	3	1	1	2	2	2	3	1	4	136	182	100	17.2	2	5	4	29.5	11.9	3.86	1	5
18088	101222	2	2	1	1	2	2	2	3	1	4	135	182	100	17.2	2	5	4	29.1	10.5	4.19	1	5
18089	101223	2	3	1	1	2	2	1	3	1	4	135	183	105	28.6	2	5	4	27.9	11.8	3.98	1	5
18090	101224	2	3	1	3	2	2	1	3	1	4	135	183	105	26.2	2	5	4	30.0	11.5	4.00	1	5
18091	101225	2	2	1	3	2	2	2	3	1	4	128	183	85	23.2	2	5	4	30.7	11.4	4.03	1	7
18092	101226	2	3	1	1	2	2	2	3	1	4	128	183	75	19.2	2	5	4	32.1	11.2	3.92	1	3
18093	101227	2	3	1	1	2	2	1	3	1	4	130	182	105	23.4	2	5	4	29.8	10.8	4.25	1	5
18094	101228	2	3	1	1	2	2	1	3	1	4	126	182	100	16.4	2	5	4	31.5	11.3	4.07	1	5
18095	101229	2	3	1	1	2	2	1	3	1	4	130	182	100	22.0	2	5	4	29.6	-	-	1	3
18096	101230	2	3	1	1	2	2	1	3	1	4	131	182	110	22.0	2	5	4	27.3	11.3	4.07	1	7
18097	101231	2	3	1	3	2	2	2	3	1	4	130	181	110	26.2	2	5	4	27.7	11.4	4.03	1	7
18098	101232	2	3	1	3	2	2	2	1	1	4	130	180	105	28.0	2	5	4	27.3	11.6	3.96	1	7
18099	101233	1	3	1	3	2	2	1	1	1	4	130	180	100	25.6	2	5	4	23.7	11.7	4.01	1	7
18100	101234	2	2	1	3	2	2	1	3	1	1	130	183	100	25.0	2	5	4	29.5	12.6	3.65	1	3
18101	101235	2	2	2	1	2	2	2	1	1	1	138	191	85	22.6	2	5	4	31.7	12.7	3.77	1	3
18102	101236	1	2	2	1	2	2	2	3	1	1	137	190	70	27.4	2	5	4	29.7	14.2	3.59	1	7
18103	101237	1	3	2	1	2	2	2	1	1	1	137	190	95	30.0	2	5	4	40.1	12.3	3.65	1	3
18104	101238	2	3	2	1	2	2	2	3	1	1	138	190	75	28.0	2	5	4	36.4	12.6	3.80	1	5
18105	101239	2	3	1	1	2	2	2	3	1	1	138	190	85	25.2	2	5	4	32.1	12.8	3.59	1	3
18106	101240	2	3	1	1	2	2	2	1	1	1	138	194	90	29.2	2	5	4	37.7	13.7	3.57	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18107	101241	2	2	1	1	2	2	2	3	1	1	138	190	100	28.0	2	5	4	34.9	12.1	3.80	1	3
18108	101242	2	1	2	1	2	2	2	3	1	1	138	189	85	27.4	2	5	4	25.6	13.3	3.75	1	5
18109	101243	2	1	2	1	2	2	1	1	1	4	144	195	100	25.8	2	5	4	50.1	12.6	3.80	1	5
18110	101244	2	1	2	1	2	2	2	1	1	1	149	194	90	19.0	2	5	4	53.1	13.8	3.76	1	7
18111	101245	2	1	1	1	2	2	1	1	1	2	149	194	90	28.0	2	5	4	35.0	12.0	3.83	1	5
18112	101246	2	1	1	1	2	2	1	1	1	1	144	194	105	22.4	2	5	4	39.5	12.3	3.82	1	5
18113	101247	2	2	2	1	2	2	1	5	1	4	130	190	105	22.8	2	5	4	49.1	13.4	3.58	1	3
18114	101248	2	2	2	1	2	2	1	5	1	4	128	185	95	26.0	1	4	4	51.8	15.0	3.60	1	3
18115	101249	1	2	1	3	2	2	1	3	1	1	128	185	100	21.8	2	5	4	28.1	9.9	4.24	1	7
18116	101250	1	3	1	3	2	2	1	3	1	4	128	183	100	20.8	2	5	4	36.5	10.6	4.15	1	5
18117	101251	2	1	2	1	1	2	1	3	1	4	167	204	90	23.0	2	5	4	61.7	-	-	1	3
18118	101252	2	1	2	1	2	2	1	3	1	4	164	204	110	28.0	2	5	4	54.9	11.5	3.73	1	3
18119	101253	2	1	2	1	1	2	1	3	1	4	159	206	100	30.6	3	5	4	54.5	12.9	3.72	1	3
18120	101254	2	1	2	1	1	2	1	3	1	4	153	203	105	29.2	2	5	4	56.2	14.2	3.73	1	3
18121	101255	2	1	1	1	1	2	1	3	1	4	159	206	75	25.2	3	5	4	27.4	14.1	3.75	1	3
18122	101256	2	1	1	1	1	2	1	3	1	1	153	203	105	20.6	2	5	4	38.6	9.8	3.97	1	3
18123	101257	2	1	1	1	1	2	1	3	1	1	163	203	80	23.6	3	5	4	35.5	12.0	4.00	1	3
18124	101258	2	1	1	1	1	2	1	3	1	4	156	202	100	25.6	2	5	4	39.8	11.1	3.87	1	3
18125	101259	2	3	2	1	2	2	2	1	1	4	135	192	85	27.6	2	5	4	40.9	9.9	4.14	1	5
18126	101260	2	2	2	1	1	2	1	3	1	1	133	192	100	29.0	2	5	4	35.4	13.5	3.55	1	5
18127	101261	1	1	2	1	1	2	2	3	1	1	135	187	90	27.2	1	5	4	40.3	11.9	3.86	1	3
18128	101262	1	3	2	1	1	1	1	3	1	1	135	192	85	32.0	2	5	4	41.2	11.2	3.75	1	7
18129	101263	2	2	2	1	2	1	2	3	1	4	135	192	95	28.0	2	5	4	37.5	12.2	3.70	1	7
18130	101264	1	3	2	1	1	2	2	3	1	1	139	190	95	32.0	2	5	4	37.3	12.2	3.70	1	5
18131	101265	1	3	2	1	2	2	2	3	1	1	139	190	95	29.0	2	5	4	39.1	13.9	3.59	1	7
18132	101266	2	3	2	1	2	2	2	3	1	1	136	190	80	25.8	2	5	4	38.3	14.4	3.61	1	5
18133	101267	2	3	2	1	2	2	2	3	1	1	136	190	75	31.6	2	5	4	39.7	12.1	3.55	1	3
18134	101268	2	3	2	1	2	2	2	3	1	1	138	191	80	26.0	2	5	4	40.2	11.5	3.73	2	3
18135	101269	2	3	2	1	2	2	2	3	1	1	138	191	85	32.0	2	5	4	35.1	12.3	3.57	1	3
18136	101270	3	3	1	1	2	2	2	3	1	1	144	192	95	22.0	3	5	4	26.5	13.0	3.61	1	5
18137	101271	3	2	1	1	1	2	1	5	1	4	142	192	100	24.0	3	5	4	35.8	17.2	3.19	2	3
18138	101272	3	2	1	1	1	2	1	5	1	1	142	192	95	22.0	3	5	4	27.6	12.2	3.70	2	3
18139	101273	3	2	1	3	1	2	2	5	1	4	142	190	100	22.8	3	5	4	37.1	15.2	3.35	1	3
18140	101274	3	1	1	3	1	2	1	5	1	1	140	191	100	18.8	2	5	4	31.6	14.0	3.57	1	5
18141	101275	3	1	1	3	2	2	1	5	1	4	139	190	90	19.0	2	5	4	32.1	13.6	3.60	1	7
18142	101276	3	1	1	1	1	2	1	5	1	4	142	189	100	18.8	3	5	4	37.1	13.7	3.64	1	3
18143	101277	3	1	1	3	2	2	1	5	1	4	140	189	95	19.8	3	5	4	40.1	13.9	3.66	1	3
18144	101278	3	1	1	1	2	2	1	-	1	2	140	187	100	22.2	2	5	4	41.3	13.7	3.72	1	5
18145	101279	3	1	1	1	2	2	1	3	1	4	140	190	90	22.2	2	5	4	38.9	-	-	1	3
18146	101280	3	1	1	1	1	2	1	3	1	4	138	190	100	19.6	3	5	4	41.6	14.5	3.51	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18147	101281	3	1	1	1	2	2	2	3	1	2	135	189	85	20.0	2	5	4	35.1	13.4	3.58	1	5
18148	101282	3	1	1	1	2	2	1	3	1	2	135	189	95	24.2	3	5	4	39.5	14.4	3.61	1	7
18149	101283	3	1	1	1	2	2	1	5	1	2	140	190	100	26.8	2	5	4	35.4	12.4	3.79	1	5
18150	101284	3	1	1	1	1	2	1	5	1	4	140	190	100	22.8	2	5	4	32.9	12.1	3.80	1	5
18151	101285	3	1	1	1	2	2	1	5	1	2	143	190	100	25.6	2	5	4	29.8	13.2	3.71	1	3
18152	101286	2	1	1	1	1	2	1	5	1	2	143	190	95	23.2	2	5	4	29.6	12.4	3.80	1	5
18153	101287	2	1	-	1	2	2	2	3	1	2	149	190	105	21.0	2	5	4	45.6	13.6	3.75	1	1
18154	101288	3	1	3	1	2	2	2	1	1	4	149	190	115	27.4	1	5	4	55.3	15.9	3.52	1	3
18155	101289	3	1	1	1	2	2	1	5	1	1	142	191	95	24.0	3	5	4	32.9	11.8	3.81	1	3
18156	101290	3	1	1	1	2	2	1	5	1	1	140	192	100	23.6	2	5	4	36.2	12.2	3.85	1	5
18157	101291	3	1	1	1	2	2	1	5	1	1	140	191	90	22.4	2	5	4	38.2	11.1	3.87	1	7
18158	101292	3	1	1	1	2	2	1	5	1	4	140	192	95	22.8	2	5	4	38.1	12.1	3.80	1	7
18159	101293	3	1	2	1	2	2	2	5	1	4	140	189	115	30.6	2	5	4	51.1	13.5	3.70	1	7
18160	101294	3	1	2	1	2	2	2	5	1	4	140	189	105	33.2	2	5	4	50.0	12.6	3.65	1	7
18161	101295	3	1	2	1	2	2	1	5	1	4	140	189	105	29.8	3	5	4	50.8	13.1	3.58	1	7
18162	101296	3	1	2	1	2	2	1	3	1	4	142	189	110	28.8	3	5	4	48.7	13.4	3.65	1	7
18163	101297	3	1	1	3	1	2	1	1	1	4	140	192	95	21.0	2	5	4	41.4	13.2	3.71	1	7
18164	101298	3	1	1	3	1	2	1	1	1	4	138	193	105	20.4	2	5	4	43.8	13.9	3.59	1	7
18165	101299	3	2	1	1	2	2	1	1	1	1	142	190	95	26.0	2	5	4	46.9	13.3	3.68	1	7
18166	101300	3	1	3	1	2	2	1	1	1	1	143	185	90	28.4	2	5	4	49.4	12.1	3.80	1	7
18167	101301	3	1	3	1	2	2	1	9	1	2	149	190	105	23.8	2	5	4	58.8	15.2	3.61	1	3
18168	101302	3	1	3	1	1	2	1	3	1	4	149	190	115	24.0	2	5	4	56.6	13.9	3.66	1	3
18169	101303	3	1	1	3	2	2	1	3	1	4	142	190	100	22.6	2	5	4	33.4	11.1	3.96	1	7
18170	101304	3	1	1	3	1	2	1	3	1	4	144	190	90	23.6	2	5	4	34.0	11.4	3.94	1	7
18171	101305	2	1	1	3	2	2	1	3	1	4	142	190	100	21.2	2	5	4	31.5	13.1	3.74	1	7
18172	101306	2	1	1	3	1	2	1	3	1	1	142	185	105	19.4	2	5	4	33.2	11.8	3.81	1	7
18173	101307	2	1	1	3	2	2	1	3	1	1	135	185	100	15.8	2	5	4	41.5	12.2	3.68	1	7
18174	101308	3	1	1	3	1	2	1	3	1	1	142	185	95	17.4	2	5	4	34.0	11.1	4.05	1	7
18175	101309	3	1	1	3	2	2	1	3	1	4	138	185	75	22.4	2	5	4	29.4	12.0	4.00	1	7
18176	101310	2	1	1	1	2	2	1	3	1	4	135	192	80	20.0	2	5	4	28.7	10.8	4.16	1	7
18177	101311	2	1	1	1	2	2	1	1	1	1	144	189	90	24.6	2	5	4	33.1	10.7	4.01	1	3
18178	101312	3	1	1	1	2	2	1	3	1	1	140	190	90	21.6	2	5	4	30.4	11.9	3.78	1	1
18179	101313	3	1	1	1	2	2	2	5	1	4	144	194	110	24.0	2	5	5	32.5	13.0	3.69	1	3
18180	101314	2	1	1	1	2	2	2	5	1	4	149	192	100	31.4	3	5	5	31.3	11.2	4.01	2	3
18182	101315	2	1	1	1	2	2	2	5	1	4	149	192	100	28.2	2	5	5	34.0	13.1	3.66	1	1
18183	101316	2	1	1	1	2	2	2	5	1	4	149	192	90	26.0	3	5	5	30.8	12.2	3.93	1	1
18184	101317	2	1	2	1	2	2	1	1	1	4	149	190	90	26.4	2	5	4	36.8	12.4	3.79	1	1
18185	101318	3	1	2	1	2	2	1	5	1	2	149	190	75	21.6	3	5	4	36.3	11.4	3.85	1	3
18186	101319	2	1	2	1	2	2	1	1	1	4	149	192	95	24.0	2	5	4	33.8	11.4	3.85	1	1
18187	101320	2	1	2	1	2	2	1	5	1	1	149	192	65	23.8	3	5	4	30.5	12.6	3.88	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18188	101321	3	1	1	1	1	2	1	5	1	2	142	192	90	24.2	2	5	4	41.9	14.2	3.45	1	3
18189	101322	3	1	3	1	1	2	1	3	1	4	144	189	105	29.6	2	5	4	58.2	16.5	3.51	1	3
18190	101323	3	1	1	1	1	2	1	3	1	2	139	189	95	21.2	2	5	4	38.4	11.2	4.01	1	5
18191	101324	3	1	3	1	1	2	1	3	1	2	139	189	105	24.6	1	5	4	53.6	15.1	3.70	1	3
18192	101325	3	1	1	1	1	2	1	1	1	4	139	189	105	22.2	2	5	4	38.8	11.8	3.72	1	5
18193	101326	3	1	3	1	1	2	1	3	1	4	149	192	115	24.0	1	5	4	57.7	16.0	3.50	1	3
18194	101327	3	1	3	1	1	2	1	1	1	2	149	192	100	23.6	2	5	4	38.5	11.4	3.94	1	5
18195	101328	2	1	3	1	1	2	1	3	1	4	149	192	120	29.2	1	5	4	53.4	15.4	3.50	1	3
18196	101329	2	1	1	1	1	2	1	1	1	2	142	189	90	22.0	2	5	4	34.8	10.5	4.09	1	5
18197	101330	2	1	3	1	1	2	1	1	1	2	140	190	100	23.4	1	5	4	46.2	12.0	3.75	1	3
18198	101331	3	1	1	1	1	2	1	1	1	2	142	190	95	19.4	2	5	4	31.9	11.9	3.86	1	3
18199	101332	3	1	3	1	1	2	1	3	1	4	140	190	110	23.8	2	5	4	53.6	14.3	3.63	2	3
18200	101333	3	1	1	1	2	2	1	3	1	4	158	195	110	24.2	2	5	4	34.8	11.5	3.82	1	3
18201	101334	3	1	1	1	2	2	1	3	1	4	162	195	100	23.6	2	5	4	28.2	12.3	3.73	1	3
18202	101335	2	1	1	1	2	2	1	5	1	4	159	195	85	24.4	3	5	4	31.4	11.9	3.69	1	3
18203	101336	3	1	1	1	2	1	1	1	1	4	156	195	100	21.0	2	5	4	26.6	12.7	3.85	1	3
18204	101337	3	1	1	1	1	2	1	1	1	4	142	190	80	22.4	3	5	4	31.6	12.5	3.68	1	3
18205	101338	3	1	1	1	1	2	1	1	1	1	142	190	85	17.6	2	5	4	32.1	12.1	3.80	1	5
18206	101339	3	1	1	1	1	2	1	1	1	4	142	190	90	19.6	2	5	4	36.0	12.0	3.75	1	5
18207	101340	3	1	1	1	1	1	1	1	1	1	142	191	95	19.4	2	5	4	34.7	11.6	3.96	1	5
18208	101341	3	1	1	1	1	2	1	5	1	4	138	191	95	23.0	2	5	4	36.8	11.3	3.80	1	3
18209	101342	3	1	1	1	1	1	1	1	1	1	139	190	95	25.8	2	5	4	33.7	11.4	3.85	1	5
18210	101343	3	1	1	1	1	2	1	1	1	2	142	190	95	26.6	2	5	4	34.6	11.1	3.96	1	5
18211	101344	3	1	1	1	1	2	1	1	1	2	142	190	85	25.2	2	5	4	34.0	11.0	4.09	1	7
18212	101345	3	1	1	1	1	2	1	1	1	4	144	190	90	26.0	2	5	4	32.6	11.7	3.93	1	7
18213	101346	3	1	1	1	1	2	1	1	1	2	144	190	95	25.2	2	5	4	33.3	11.3	4.07	1	7
18214	101347	3	1	1	1	2	2	1	5	1	2	144	189	90	25.8	2	5	4	28.1	11.5	3.82	1	7
18215	101348	3	1	1	1	2	2	1	5	1	4	144	190	85	24.0	2	5	4	24.2	12.4	3.79	1	7
18216	101349	3	1	1	1	2	2	1	5	1	2	144	190	85	20.6	2	5	4	26.3	11.8	3.64	1	7
18217	101350	3	1	1	1	2	2	1	5	1	2	144	189	85	21.0	3	5	4	27.8	11.6	3.87	1	5
18218	101351	3	1	2	1	2	2	1	1	1	2	144	189	100	24.4	2	5	4	38.3	12.2	3.70	1	7
18219	101352	3	1	2	1	2	1	1	1	1	2	143	190	95	25.4	2	5	4	34.0	12.4	3.54	1	7
18220	101353	3	1	2	1	2	2	1	1	1	2	142	190	95	24.8	2	5	4	34.6	12.8	3.75	1	7
18221	101354	3	1	2	1	2	1	1	1	1	2	142	189	95	22.0	2	5	4	35.5	13.1	3.66	1	7
18222	101355	3	1	1	1	2	2	1	1	1	1	142	190	100	24.0	2	5	4	34.2	11.3	3.80	2	7
18223	101356	3	1	1	1	2	1	1	1	1	1	142	190	100	21.8	2	5	4	32.9	11.6	3.87	2	5
18224	101357	3	1	1	1	2	2	1	1	1	1	143	189	105	22.6	2	5	4	35.8	11.9	3.69	2	5
18225	101358	3	1	1	1	2	2	1	1	1	1	148	190	100	24.0	2	5	4	35.7	11.6	3.79	1	5
18226	101359	3	1	1	1	1	2	1	1	1	4	135	185	90	25.0	2	5	4	36.1	12.4	3.79	1	7
18227	101360	3	1	1	1	2	2	1	1	1	1	135	185	95	25.0	2	5	4	36.3	11.6	3.79	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18228	101361	3	1	1	1	2	2	2	3	1	1	144	190	85	22.0	3	5	5	24.3	13.2	3.71	1	3
18229	101362	1	1	1	1	2	2	2	3	1	1	144	189	80	21.8	3	5	5	24.4	13.1	3.66	1	3
18230	101363	2	1	1	1	2	2	2	3	1	4	144	190	75	21.2	3	5	5	25.5	13.4	3.73	1	3
18231	101364	1	1	1	1	2	2	2	3	1	1	144	191	75	22.4	3	5	5	24.1	13.8	3.69	1	3
18231	101365	1	1	2	1	2	2	2	3	1	2	145	193	70	25.0	2	5	4	27.1	13.9	3.66	1	1
18232	101366	3	1	2	1	2	2	2	3	1	4	142	192	95	29.2	2	5	4	44.2	13.4	3.65	1	1
18233	101367	3	1	1	1	2	2	1	3	1	4	142	190	105	18.8	2	5	4	27.3	13.7	3.57	1	1
18234	101368	3	1	1	1	2	2	1	3	1	4	148	190	100	20.8	2	5	4	28.2	13.5	3.62	1	1
18235	101369	3	1	2	1	2	2	1	3	1	2	138	185	100	29.2	2	5	4	36.9	12.2	3.85	1	9
18236	101370	3	1	2	1	2	2	1	1	1	4	142	185	110	26.4	2	5	4	39.9	11.7	3.84	1	9
18237	101371	3	1	2	1	2	2	1	1	1	2	142	185	105	27.0	2	5	4	37.9	12.3	3.82	1	9
18238	101372	3	1	2	1	2	2	1	1	1	4	143	185	100	28.0	2	5	4	38.9	12.2	3.68	1	9
18239	101373	3	1	1	1	2	2	1	1	1	1	143	185	105	19.6	2	5	4	25.8	11.9	3.78	1	9
18240	101374	3	1	1	1	2	2	1	1	1	4	142	190	100	20.6	2	5	4	25.5	12.7	3.70	1	9
18241	101375	3	1	1	1	2	2	1	3	-	4	138	190	105	21.4	2	5	4	33.3	11.7	3.84	1	3
18242	101376	2	1	1	1	1	2	1	3	1	4	138	190	100	26.4	2	5	4	31.9	11.1	3.87	1	3
18243	101377	2	1	1	1	1	2	1	5	1	4	144	189	110	23.8	2	5	4	34.7	12.4	3.62	1	5
18244	101378	3	1	1	1	1	2	1	5	1	4	148	189	100	23.2	2	5	4	39.6	11.7	3.84	1	5
18245	101379	3	1	1	1	2	2	1	5	1	1	148	192	110	23.4	2	5	4	34.0	12.1	3.80	1	7
18246	101380	3	1	1	1	2	2	1	5	1	4	144	192	100	25.2	2	5	4	34.8	12.4	3.70	1	7
18247	101381	3	1	1	1	1	2	1	3	1	4	144	190	100	20.4	2	5	4	37.7	12.9	3.87	1	3
18248	101382	3	1	1	3	1	2	1	3	1	4	144	190	90	23.8	2	5	4	36.1	13.6	3.60	1	5
18249	101383	3	1	1	3	1	2	1	3	1	2	144	189	105	24.0	2	5	4	38.5	13.4	3.73	1	7
18250	101384	3	1	1	3	1	2	1	3	1	4	144	189	95	28.0	2	5	4	34.5	12.9	3.79	1	7
18251	101385	3	1	1	3	2	2	1	3	1	2	135	184	100	24.9	2	5	4	35.5	13.0	3.69	1	7
18252	101386	3	1	1	3	2	2	1	3	1	4	137	182	90	26.8	2	5	4	36.8	12.8	3.67	1	7
18253	101387	3	1	1	3	2	2	1	3	1	4	135	182	85	24.0	2	5	4	35.2	12.4	3.70	1	7
18254	101388	3	2	1	3	2	2	1	3	1	4	134	181	85	22.4	2	5	4	33.3	12.1	3.71	1	7
18255	101389	3	1	1	1	2	2	1	5	1	4	144	190	85	20.0	2	5	4	30.3	13.6	3.60	1	3
18256	101390	3	2	1	1	2	2	1	3	1	4	144	188	95	25.0	2	5	4	30.8	12.5	3.60	1	-
18257	101391	3	1	1	1	2	2	1	5	1	4	144	190	95	25.0	3	5	4	27.7	13.3	3.45	1	3
18258	101392	3	1	1	1	2	2	1	5	1	4	144	189	115	17.2	2	5	4	29.7	12.1	3.71	1	5
18259	101393	3	1	1	1	2	2	2	7	1	4	144	188	95	20.4	2	5	4	30.9	13.6	3.52	1	3
18260	101394	3	1	1	1	2	2	1	5	1	4	149	189	100	21.2	2	5	4	32.3	12.5	3.76	1	3
18261	101395	3	1	1	1	2	2	1	5	1	4	149	191	95	25.0	2	5	4	32.7	12.6	3.65	1	7
18262	101396	3	1	1	1	2	2	1	5	1	4	151	189	90	21.2	2	5	4	30.9	13.5	3.48	1	5
18263	101397	3	3	1	1	1	2	1	7	2	3	149	189	110	27.6	2	5	4	33.1	12.4	3.79	2	5
18264	101398	2	3	1	1	1	2	1	1	1	4	146	189	120	26.0	2	5	4	33.4	13.1	3.58	2	3
18265	101399	2	1	1	1	2	2	1	5	2	3	149	189	90	25.0	2	5	4	29.8	14.4	3.61	1	3
18266	101400	2	1	1	1	2	2	2	3	1	4	149	189	105	22.4	2	5	4	35.2	13.3	3.68	1	5

IG	ICB	GHA	GCL	RNO	AOO	ARG	KCV	RHL	GOO	LCO	KOO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18267	101401	3	1	2	9	2	2	1	7	2	3	142	189	100	24.6	2	5	4	55.1	15.4	3.57	1	3
18268	101402	3	1	2	1	2	2	1	3	1	4	142	191	110	28.6	2	5	4	54.7	15.8	3.54	1	5
18269	101403	3	1	2	1	2	2	1	3	2	3	144	190	120	31.6	2	5	4	53.0	14.9	3.55	1	7
18270	101404	3	1	2	1	2	2	1	3	1	4	144	190	125	30.0	2	5	4	49.9	13.9	3.66	1	3
18271	101405	2	1	2	1	2	2	1	3	1	4	144	191	100	30.4	1	5	4	58.2	15.6	3.46	1	7
18272	101406	3	1	2	1	2	2	2	7	2	3	149	193	90	23.2	2	5	4	56.4	13.0	3.61	1	3
18273	101407	3	1	2	1	2	2	2	5	1	4	149	193	85	25.2	2	5	4	54.1	13.5	3.62	1	3
18274	101408	3	1	2	1	2	2	2	7	2	3	149	196	90	25.2	1	5	4	57.8	12.1	3.80	1	5
18275	101409	3	1	2	1	2	2	2	3	1	4	153	193	90	27.4	2	5	4	48.4	13.1	3.66	1	3
18276	101410	-	1	1	1	2	2	2	3	1	4	151	190	90	21.2	2	5	4	26.0	12.1	3.71	1	3
18277	101411	3	1	1	1	2	2	1	3	1	4	149	190	100	22.0	2	5	4	25.9	12.3	3.73	1	3
18278	101412	3	1	1	1	2	2	1	5	1	4	144	191	100	23.6	3	5	4	26.9	12.5	3.68	1	7
18279	101413	3	1	1	1	2	2	1	5	1	2	144	191	95	20.0	3	5	4	33.5	11.8	3.55	1	5
18280	101414	2	3	1	-	-	2	1	3	1	4	135	183	100	23.8	2	5	2	27.6	13.3	3.75	1	9
18281	101415	2	3	1	1	2	2	1	3	1	4	135	181	100	20.8	2	5	4	31.8	12.2	3.85	1	9
18282	101416	2	3	1	-	-	2	1	3	1	4	135	181	110	21.4	2	5	2	30.3	13.5	3.62	1	9
18283	101417	2	3	1	3	2	2	1	3	1	1	134	184	100	20.4	2	5	4	35.1	12.5	3.84	1	9
18284	101418	3	1	1	3	1	2	1	3	1	1	142	191	105	23.8	2	5	4	35.9	11.9	3.61	1	7
18285	101419	3	1	1	3	1	2	1	3	1	4	142	193	105	24.0	2	5	4	42.2	12.0	3.83	1	7
18286	101420	2	1	1	1	2	2	2	5	1	4	142	189	105	30.4	3	5	5	30.8	12.1	3.80	1	3
18287	101421	3	1	1	1	2	2	2	5	1	4	139	189	110	30.2	3	5	5	31.5	13.5	3.70	1	3
18288	101422	3	1	1	1	2	2	2	5	1	4	142	189	110	27.4	3	5	5	35.8	13.0	3.76	1	3
18289	101423	2	1	1	1	2	2	2	5	2	4	142	190	110	27.8	3	5	5	31.4	12.6	3.65	1	3
18290	101424	2	1	1	1	2	2	2	5	1	1	142	190	110	25.4	3	5	5	23.2	14.2	3.59	1	3
18291	101425	2	1	1	1	2	2	2	5	1	4	138	190	100	21.0	3	5	5	26.6	11.8	3.89	1	3
18292	101426	1	2	1	1	2	2	2	5	1	4	142	190	100	21.0	3	5	5	26.4	11.1	3.96	2	7
18293	101427	1	2	1	-	-	2	2	5	1	4	142	190	100	22.2	3	5	3	23.7	12.3	3.82	1	7
18294	101428	3	2	1	1	1	2	1	3	1	4	135	192	105	21.2	2	5	4	36.7	11.2	4.10	1	7
18295	101429	3	2	1	1	1	2	1	1	1	4	136	192	110	16.0	2	5	4	34.5	11.1	3.69	1	7
18296	101430	2	1	1	1	2	2	2	3	1	1	140	192	105	20.6	2	5	4	30.9	13.1	3.58	1	7
18297	101431	2	2	1	1	2	2	2	1	1	1	142	185	110	19.4	2	5	4	30.6	13.0	3.69	1	5
18298	101432	3	1	1	1	2	2	2	3	1	1	142	188	105	19.2	2	5	4	32.4	12.4	3.70	1	5
18299	101433	3	1	1	1	2	2	2	3	1	1	142	189	100	20.4	2	5	4	30.7	12.2	3.70	1	7
18300	101434	3	1	1	1	1	2	1	3	1	4	145	189	100	20.8	2	5	4	29.0	11.9	3.69	1	5
18301	101435	3	1	1	1	1	2	1	3	1	1	147	188	105	20.6	2	5	4	26.8	12.3	3.73	1	9
18302	101436	3	1	1	1	1	2	1	3	1	1	153	191	100	18.8	2	5	4	26.7	12.9	3.72	1	3
18303	101437	3	1	1	1	1	2	1	3	1	1	158	191	105	18.6	2	5	4	26.3	11.6	3.44	1	3
18304	101438	3	1	1	1	1	2	1	3	1	4	135	193	100	19.8	2	5	4	33.4	11.4	3.85	1	9
18305	101439	3	1	1	-	-	2	1	3	1	4	135	190	115	21.4	2	5	3	30.5	12.4	3.80	1	9
18306	101440	3	1	1	1	1	2	1	1	1	4	135	190	105	19.6	2	5	4	37.5	11.3	3.98	1	9

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18307	101441	3	1	1	1	1	2	1	3	1	4	144	190	95	23.2	2	5	4	25.5	12.3	3.73	1	5
18308	101442	3	1	1	1	2	2	1	3	1	2	144	190	110	24.4	2	5	4	19.6	13.5	3.70	1	9
18309	101443	3	1	1	1	2	2	1	3	1	2	142	190	100	27.8	2	5	4	20.2	12.7	3.77	1	9
18310	101444	3	1	1	1	2	2	1	3	1	4	146	190	110	22.0	2	5	5	19.3	12.8	3.59	1	5
18311	101445	3	1	1	1	1	2	1	3	1	2	144	191	100	23.0	2	5	4	33.9	13.6	3.60	1	5
18312	101446	3	1	1	-	-	2	1	3	1	4	144	190	100	23.2	2	5	3	28.7	14.2	3.59	1	7
18313	101447	3	1	1	1	1	2	1	3	1	2	144	189	100	25.0	2	5	4	30.6	11.5	3.73	1	5
18314	101448	3	1	1	-	-	2	1	3	1	1	144	191	105	24.0	2	5	3	23.7	11.8	3.81	1	5
18315	101449	3	1	1	1	1	2	1	5	1	1	156	190	115	24.0	2	5	4	27.6	11.7	3.84	1	1
18316	101450	3	1	1	1	1	2	1	3	1	1	156	190	115	24.0	2	5	5	29.5	11.4	3.94	1	1
18317	101451	3	1	1	1	1	2	1	5	1	1	153	190	115	23.6	2	5	4	30.1	11.8	3.98	1	1
18318	101452	3	1	1	1	1	2	1	3	1	1	153	190	115	20.0	2	5	5	29.3	12.1	3.80	1	3
18319	101453	3	1	1	1	2	2	1	1	1	1	144	189	110	19.6	2	5	4	29.7	10.7	3.92	2	9
18320	101454	3	1	1	1	2	2	1	1	1	1	142	192	110	23.8	2	5	4	32.5	11.2	3.83	1	9
18321	101455	3	1	1	1	2	2	2	3	1	4	152	191	100	18.8	2	5	4	23.5	12.8	3.59	1	9
18322	101456	3	1	1	3	2	2	2	3	1	4	147	191	100	24.6	2	5	4	23.1	12.7	3.77	1	9
18323	101457	3	1	2	3	2	2	1	1	1	4	143	190	105	22.8	2	5	4	30.1	12.8	3.75	1	9
18324	101458	3	1	1	3	2	2	1	3	1	4	142	192	110	26.4	2	5	4	23.8	11.0	3.90	1	9
18325	101459	3	1	2	1	2	2	1	3	1	2	144	189	100	28.2	2	5	4	39.8	12.3	3.65	1	9
18326	101460	3	1	1	1	2	2	1	3	1	1	142	189	100	32.4	2	5	4	22.7	11.1	3.96	1	9
18327	101461	3	1	2	1	2	2	1	1	1	4	144	189	110	31.8	2	5	4	46.0	11.8	3.64	1	5
18328	101462	2	1	1	1	2	2	1	1	1	1	146	189	100	32.0	2	5	4	21.8	11.5	3.73	1	7
18329	101463	3	1	2	1	2	2	1	1	1	4	146	190	105	29.8	2	5	4	42.1	12.3	3.65	1	5
18330	101464	3	1	1	1	2	2	1	1	1	4	144	190	110	29.0	2	5	4	52.3	11.2	3.83	1	7
18331	101465	3	1	2	1	2	2	1	1	1	2	142	190	120	28.8	2	5	4	44.7	12.0	3.66	1	7
18332	101466	3	1	1	1	2	2	1	1	1	4	142	190	100	23.4	2	5	4	25.2	11.0	3.72	1	7
18333	101467	3	1	2	1	2	2	1	1	1	2	144	190	110	30.2	2	5	4	45.4	12.8	3.75	1	7
18334	101468	3	1	1	1	2	2	1	1	1	4	144	190	105	20.8	2	5	4	22.3	11.3	3.80	1	7
18335	101469	3	1	2	1	2	2	1	1	1	4	146	189	110	24.8	2	5	4	45.7	13.2	3.63	1	7
18336	101470	3	1	1	1	2	2	1	1	1	1	146	189	100	18.8	2	5	4	21.7	11.9	3.78	1	7
18337	101471	3	1	2	1	1	2	1	5	1	4	153	189	105	31.0	3	5	4	49.6	15.0	3.40	1	3
18338	101472	3	1	1	1	2	2	1	5	1	4	151	190	105	19.0	2	5	4	33.5	12.2	3.70	1	5
18339	101473	3	1	2	1	1	2	1	5	1	4	153	190	105	25.2	3	5	4	53.0	14.3	3.49	1	1
18340	101474	3	1	1	1	1	2	1	5	1	4	153	190	95	21.2	3	5	4	31.2	10.7	3.83	1	3
18341	101475	2	2	2	1	2	2	1	3	1	1	146	190	100	25.0	3	5	4	43.3	12.7	3.70	2	7
18342	101476	2	1	1	-	-	2	2	3	1	4	144	189	85	24.8	2	5	3	28.3	11.6	3.87	2	9
18343	101477	2	1	2	1	2	2	2	1	1	2	144	191	115	30.2	2	5	4	42.8	13.3	3.53	1	3
18344	101478	3	1	1	1	2	2	2	5	1	2	144	191	110	32.0	2	5	4	28.0	12.7	3.77	1	5
18345	101479	3	1	2	1	2	2	2	5	1	2	144	191	115	30.6	2	5	4	34.2	15.0	3.53	1	3
18346	101480	3	1	1	1	2	2	2	1	1	2	144	193	105	30.4	2	5	4	26.6	12.4	3.79	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18347	101481	3	1	1	1	1	2	1	3	1	4	149	190	105	22.8	2	5	4	29.6	11.3	3.89	1	3
18348	101482	2	1	1	3	2	2	1	3	1	4	146	191	100	23.0	2	5	4	16.8	12.2	3.70	1	9
18349	101483	3	1	2	1	2	2	1	1	1	2	144	193	105	33.6	2	5	4	48.4	13.1	3.58	1	3
18350	101484	3	1	1	1	1	2	1	3	1	2	139	185	110	24.0	2	5	4	37.3	10.8	4.07	1	9
18351	101485	2	1	1	1	2	2	1	3	1	4	138	192	115	27.6	2	5	4	31.2	11.4	3.68	1	7
18352	101486	2	1	1	1	2	2	1	3	1	4	138	185	110	24.8	2	5	4	30.9	12.4	3.70	1	9
18353	101487	3	1	1	1	1	2	1	3	1	4	146	190	110	23.6	2	5	4	31.3	11.8	3.98	1	7
18354	101488	3	1	1	1	1	2	1	5	1	4	146	191	110	22.0	2	5	4	28.7	12.4	3.95	1	7
18355	101489	3	1	1	1	1	2	1	5	1	1	146	190	110	26.6	2	5	4	31.6	11.4	3.85	1	5
18356	101490	3	1	1	1	1	2	1	5	1	1	151	190	110	23.6	2	5	4	31.3	10.8	3.98	1	5
18357	101491	3	1	1	1	1	2	1	1	1	1	146	190	105	21.4	2	5	4	30.6	11.0	4.00	1	5
18358	101492	3	1	1	1	1	2	1	3	1	1	151	189	100	20.4	2	5	4	31.1	11.3	3.89	1	5
18359	101493	3	1	1	1	2	2	1	1	1	1	144	189	105	20.4	2	5	4	29.7	11.4	3.68	1	9
18360	101494	3	1	1	1	2	2	1	3	1	1	144	189	105	23.0	2	5	4	29.7	9.5	4.10	2	9
18361	101495	3	1	1	1	2	2	1	1	1	1	144	189	110	21.2	2	5	4	26.1	11.5	3.73	1	9
18362	101496	3	1	1	1	2	2	1	3	1	1	144	189	110	22.6	2	5	4	28.0	10.7	3.92	1	9
18363	101497	3	1	1	1	2	2	1	5	1	4	156	190	100	25.4	3	5	4	28.5	11.8	3.72	1	3
18364	101498	3	1	1	1	2	2	1	5	1	4	153	190	100	23.4	3	5	4	33.1	11.5	3.91	1	3
18365	101499	3	1	1	3	2	2	1	3	1	4	138	183	110	24.8	2	5	5	33.1	11.6	3.87	1	9
18366	101500	2	1	1	1	2	2	1	5	1	4	156	191	100	23.6	3	5	4	35.7	11.1	3.87	1	1
18367	101501	3	1	1	1	1	2	1	3	1	4	142	191	100	18.6	2	5	4	38.8	12.1	3.63	1	-
18368	101502	3	1	1	1	1	2	1	3	1	4	142	189	95	22.2	2	5	4	38.0	12.6	3.73	1	-
18369	101503	3	1	1	1	1	2	1	3	1	1	142	192	95	18.8	2	5	4	41.9	12.0	3.75	1	-
18370	101504	3	1	1	1	1	2	1	3	1	1	142	191	85	22.0	2	5	4	35.5	13.0	3.69	1	-
18371	101505	3	1	1	1	1	2	1	3	1	4	142	192	85	23.0	2	5	4	37.8	11.8	3.72	1	-
18372	101506	3	1	1	1	1	2	1	3	1	4	140	193	95	22.8	2	5	4	41.7	12.5	3.84	1	-
18373	101507	3	1	1	1	1	2	1	3	1	4	135	193	95	21.2	2	5	4	36.8	11.5	3.82	1	-
18374	101508	2	2	1	1	1	2	1	3	1	4	133	192	100	21.6	2	5	4	43.0	11.2	3.83	1	-
18375	101509	2	2	1	1	1	2	1	3	1	4	134	193	105	21.2	2	5	4	45.7	11.2	3.92	1	-
18376	101510	2	1	1	1	1	2	1	3	1	4	135	189	95	25.4	2	5	4	44.2	10.4	3.84	1	-
18377	101511	3	1	1	1	1	2	1	3	1	1	138	190	100	22.6	2	5	4	39.7	11.3	3.80	1	-
18378	101512	3	1	1	1	2	2	1	1	1	1	152	190	95	18.6	2	5	4	29.9	13.0	3.69	1	-
18379	101513	3	1	1	1	2	2	1	1	1	1	153	190	95	18.2	2	5	4	27.1	12.8	3.67	1	-
18380	101514	3	1	1	1	2	2	1	1	1	4	142	189	90	20.4	2	5	4	31.9	10.6	3.86	1	-
18381	101515	3	1	1	1	2	2	1	5	1	4	146	194	90	21.4	2	5	4	29.9	13.2	3.71	1	-
18382	101516	2	1	1	1	2	2	1	5	1	1	144	194	95	25.4	2	5	4	25.7	11.5	3.91	1	-
18383	101517	3	1	1	1	2	2	1	5	1	4	149	201	70	26.8	2	5	4	23.1	15.5	3.54	1	-
18384	101518	2	1	1	1	2	2	1	5	1	4	153	201	95	23.2	2	5	4	33.6	12.7	3.62	1	-
18385	101519	2	1	1	1	1	2	1	3	1	1	146	192	95	27.4	2	5	4	34.4	10.5	3.90	1	-
18386	101520	2	1	1	1	1	2	1	3	1	1	146	191	95	29.4	2	5	4	33.5	11.5	3.91	1	-

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18387	101521	2	1	1	1	1	2	1	5	1	1	146	190	90	27.0	2	5	4	32.1	11.4	3.85	2	-
18388	101522	2	1	1	1	1	2	1	5	1	1	146	190	95	26.0	2	5	4	33.6	11.9	3.94	1	-
18389	101523	2	1	1	1	2	2	2	5	1	4	142	190	105	26.8	2	5	5	35.5	12.0	3.83	1	-
18390	101524	2	1	1	1	2	2	2	5	1	4	147	190	90	26.6	2	5	5	30.4	11.7	3.84	1	-
18391	101525	3	1	1	1	2	2	2	5	1	4	142	190	90	26.4	2	5	5	32.3	10.9	3.85	1	-
18392	101526	2	1	1	1	2	2	1	5	1	4	139	190	80	22.8	3	5	5	31.3	12.5	3.76	1	7
18393	101527	2	1	1	1	2	2	1	5	1	4	142	194	90	22.6	3	5	4	31.7	11.6	3.87	1	1
18394	101528	2	1	1	1	2	2	2	1	1	4	142	185	110	23.8	2	5	5	32.3	12.7	3.70	1	7
18395	101529	2	1	1	1	2	2	1	3	1	2	144	188	105	25.0	1	5	5	29.6	13.3	3.30	1	-
18396	101530	3	1	1	1	1	2	1	5	1	1	144	191	90	23.6	2	5	4	24.8	12.1	3.55	1	7
18397	101531	3	1	1	1	1	2	1	5	1	1	142	191	90	20.0	2	5	4	22.7	12.3	3.49	1	7
18398	101532	3	1	1	1	1	2	1	5	1	4	139	191	85	23.0	2	5	4	24.1	14.7	3.33	1	7
18399	101533	2	1	1	1	1	2	1	3	1	4	138	190	100	28.0	2	5	4	32.0	11.9	3.78	1	3
18400	101534	2	1	1	1	1	2	2	3	1	4	138	191	90	26.6	2	5	4	42.4	11.7	3.76	1	3
18404	101535	3	1	1	1	1	2	1	3	1	4	142	191	95	22.8	2	5	4	33.2	12.2	3.70	1	3
18402	101536	3	1	1	1	1	2	1	3	1	4	142	191	95	22.0	2	5	4	34.9	11.5	3.65	1	3
18403	101537	3	1	1	1	1	2	1	3	1	1	142	189	100	22.6	2	5	4	32.0	11.9	3.78	1	7
18404	101538	3	1	1	-	-	2	1	3	1	1	142	189	90	18.6	2	5	3	29.4	13.1	3.74	1	7
18405	101539	3	1	1	1	2	2	1	3	1	4	144	189	95	22.2	2	5	4	32.2	11.8	3.81	1	7
18406	101540	3	1	1	-	-	2	1	3	1	4	138	189	95	24.0	2	5	3	32.1	11.7	3.76	1	3
18407	101541	2	2	1	1	1	2	1	3	1	1	138	191	90	22.6	2	5	4	27.5	10.5	4.09	1	3
18408	101542	2	2	1	1	1	2	1	3	1	1	135	190	90	25.0	2	5	4	30.3	11.3	3.80	1	3
18409	101543	2	2	2	1	1	2	1	3	1	4	146	190	105	29.0	2	5	4	47.7	13.1	3.66	1	3
18410	101544	2	2	2	1	1	2	1	3	1	1	146	190	105	28.6	2	5	4	47.1	13.8	3.47	1	3
18411	101545	2	2	1	1	1	2	1	3	1	1	146	191	90	22.0	2	5	4	28.3	10.8	3.98	1	3
18412	101546	2	1	1	1	1	1	1	3	1	1	142	191	85	26.8	2	5	4	27.7	11.5	4.00	1	3
18413	101547	2	2	1	1	1	2	1	3	1	1	146	191	85	25.6	2	5	4	25.8	11.0	4.00	1	3
18414	101548	2	1	1	-	-	2	1	3	1	1	146	193	90	29.0	2	5	3	28.2	10.1	4.15	1	5
18415	101549	2	2	1	1	1	2	1	3	1	1	143	190	95	26.4	2	5	4	27.7	9.1	3.95	1	3
18416	101550	2	2	2	1	1	2	2	3	1	4	146	190	105	30.6	2	5	4	49.9	12.9	3.64	1	3
18417	101551	2	1	2	1	1	2	2	3	1	4	144	190	105	30.8	2	5	4	52.7	11.8	3.72	1	3
18418	101552	2	1	2	1	1	1	2	3	1	4	142	189	105	27.6	2	5	4	39.6	11.6	3.87	1	-
18419	101553	2	1	2	1	1	2	1	3	1	1	142	191	105	21.0	2	5	4	46.7	11.3	3.80	1	3
18420	101554	2	2	2	1	1	2	1	3	1	4	146	191	105	30.8	2	5	4	49.6	12.1	3.71	1	3
18421	101555	2	2	1	1	1	2	1	3	1	1	146	191	90	20.8	2	5	4	29.2	9.9	4.04	1	3
18422	101556	2	2	1	1	1	2	1	3	1	1	147	191	90	21.8	2	5	4	32.3	9.7	4.22	1	3
18423	101557	2	2	1	1	1	2	1	3	1	1	139	191	95	22.6	2	5	4	34.4	10.3	4.07	1	3
18424	101558	2	2	1	1	1	2	2	3	1	1	146	191	80	24.2	2	5	4	26.3	10.7	4.11	1	7
18425	101559	2	2	1	1	1	2	2	3	1	4	146	191	85	19.2	2	5	4	30.6	10.0	4.10	1	5
18426	101560	1	3	1	1	1	2	1	3	1	4	139	191	85	20.2	2	5	4	31.1	10.8	3.98	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18427	101561	2	3	1	1	2	2	1	3	1	1	146	191	100	28.8	2	5	4	29.3	9.0	4.11	1	3
18428	101562	2	2	1	1	2	2	1	3	1	4	142	191	105	28.0	2	5	4	28.2	9.9	4.24	1	3
18429	101563	2	2	1	1	1	2	1	3	1	1	142	191	95	28.8	2	5	4	27.0	10.9	4.03	1	5
18430	101564	2	2	1	1	1	2	1	3	1	4	146	191	100	23.2	2	5	4	26.6	10.6	3.86	1	3
18431	101565	2	2	1	1	1	2	2	3	1	1	146	191	95	25.4	2	5	4	27.6	10.5	4.09	1	3
18432	101566	2	2	1	1	1	2	1	3	1	2	146	191	100	22.8	2	5	4	29.1	12.2	3.85	1	3
18433	101567	2	2	1	1	2	2	2	3	1	4	142	191	95	23.2	2	5	4	28.2	10.5	4.00	1	3
18434	101568	2	2	1	1	1	2	2	3	1	4	142	191	100	26.8	2	5	4	32.3	12.0	3.75	1	3
18435	101569	2	2	1	1	2	2	1	3	1	1	148	191	100	20.6	2	5	4	26.2	11.7	3.76	1	3
18436	101570	2	2	1	1	1	2	2	3	1	1	135	190	105	21.6	2	5	4	32.9	11.7	3.93	1	5
18437	101571	2	2	1	1	2	2	1	3	1	1	139	190	95	23.0	2	5	4	28.3	10.9	3.94	1	7
18438	101572	2	2	1	1	1	2	1	3	1	1	138	190	105	19.6	2	5	4	30.9	11.2	4.01	1	3
18439	101573	2	2	1	1	1	2	1	3	1	4	138	190	105	21.6	2	5	4	32.0	10.8	3.98	1	7
18440	101574	2	2	1	1	2	2	2	3	1	1	142	190	100	18.0	2	5	4	32.4	9.9	4.14	1	5
18441	101575	2	2	1	1	1	2	1	3	1	1	139	190	110	19.8	2	5	4	32.9	11.3	3.98	1	5
18442	101576	2	2	1	1	1	2	1	3	1	1	138	190	100	21.4	2	5	4	33.0	10.7	3.83	1	7
18443	101577	2	2	1	1	1	2	1	3	1	1	146	191	100	24.6	2	5	4	28.4	11.3	3.98	1	5
18444	101578	2	2	1	1	1	2	1	1	1	1	167	201	80	18.6	2	5	4	29.1	10.4	4.03	1	3
18445	101579	2	2	1	1	1	2	1	3	1	1	148	192	95	32.0	3	5	4	29.0	10.5	4.00	1	3
18446	101580	2	1	1	1	1	2	2	3	1	1	142	192	85	29.4	2	5	4	30.3	10.5	4.09	1	3
18447	101581	2	1	1	1	1	2	1	1	1	1	162	201	70	26.4	3	5	4	28.1	10.8	4.07	1	1
18448	101582	2	2	1	1	1	2	2	3	1	1	146	192	100	31.0	2	5	4	33.2	9.7	4.12	1	1
18449	101583	2	2	1	1	1	2	2	3	1	1	146	193	100	22.0	3	5	4	34.8	9.1	4.28	1	1
18450	101584	1	1	1	1	1	2	2	3	1	1	144	192	85	22.6	2	5	4	28.7	10.5	4.00	2	3
18451	101585	1	2	1	1	2	2	2	3	1	1	146	190	70	19.8	2	5	4	24.2	10.7	4.20	2	1
18452	101586	2	2	1	1	2	2	1	3	1	1	144	190	100	21.6	2	5	4	28.1	10.2	4.21	1	3
18453	101587	2	2	1	1	1	2	1	3	1	1	144	190	105	28.4	2	5	4	27.6	10.5	4.09	1	1
18454	101588	2	2	1	1	1	2	1	3	1	4	139	190	100	28.0	2	5	4	32.2	11.2	4.01	1	3
18455	101589	2	2	1	1	1	2	1	3	1	1	142	190	100	28.0	2	5	4	28.0	10.8	3.98	2	3
18456	101590	2	2	1	1	1	2	1	9	1	4	142	190	110	24.4	2	5	4	27.9	10.9	3.94	1	1
18457	101591	2	2	1	3	1	2	1	3	1	4	142	190	90	24.8	2	5	4	27.0	11.0	4.00	1	5
18458	101592	2	2	1	1	1	2	1	1	1	1	142	190	100	25.2	2	5	4	26.8	11.1	4.05	1	3
18459	101593	2	2	1	1	1	2	1	3	1	1	142	190	95	22.2	2	5	4	28.3	12.1	3.80	1	5
18460	101594	2	2	1	1	1	2	1	3	1	1	146	190	105	25.0	2	5	4	27.0	10.3	4.17	1	5
18461	101595	2	2	1	1	1	2	1	5	1	1	146	191	85	22.2	2	5	4	24.5	12.6	3.88	2	3
18462	101596	2	1	1	1	1	2	1	1	1	1	146	193	105	26.4	2	5	4	33.6	11.8	3.89	2	-
18463	101597	2	2	1	1	1	2	1	1	1	1	146	191	95	24.0	2	5	4	30.7	11.7	3.93	1	1
18464	101598	2	2	1	1	1	2	2	1	1	1	146	191	100	23.8	2	5	4	30.4	10.9	3.94	1	3
18465	101599	2	2	1	1	1	2	1	3	1	1	146	191	95	21.8	2	5	4	30.4	11.8	3.81	1	1
18466	101600	2	1	1	1	1	2	1	3	1	1	153	191	80	21.2	2	5	4	27.2	12.6	3.41	1	1

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18467	101601	2	2	1	1	1	2	1	3	1	1	146	192	95	24.6	2	5	4	33.5	10.5	4.00	1	1
18468	101602	2	2	1	3	2	2	1	3	1	4	135	192	95	20.6	2	5	4	44.4	9.9	4.04	1	9
18469	101603	2	2	1	3	2	2	1	3	1	4	135	192	95	25.0	2	5	4	42.1	9.5	4.10	1	9
18470	101604	2	2	1	3	2	2	1	1	1	2	138	193	95	26.0	2	5	4	31.8	10.8	3.98	1	9
18471	101605	2	2	1	1	2	2	1	1	1	2	142	193	95	27.2	2	5	4	29.2	9.7	3.91	1	7
18472	101606	2	3	2	1	2	2	2	3	1	4	137	193	105	31.4	2	5	4	36.9	11.5	3.65	1	7
18473	101607	1	3	3	1	2	2	2	3	1	1	128	182	85	23.0	3	5	4	38.7	11.6	3.79	1	9
18474	101608	2	3	1	3	2	2	2	3	1	4	137	180	95	30.4	2	5	4	43.0	14.3	3.63	1	9
18475	101609	1	3	2	1	2	2	2	3	1	4	145	190	100	32.4	2	5	4	45.3	13.3	3.60	1	3
18476	101610	3	1	1	1	2	2	1	5	1	4	162	199	90	25.4	3	5	4	39.6	11.3	3.80	1	3
18477	101611	3	1	1	1	2	2	1	5	1	1	159	194	90	18.6	2	5	4	31.4	11.7	3.50	1	3
18478	101612	3	1	1	1	2	2	1	5	1	1	158	194	90	20.8	2	5	4	33.2	11.9	3.78	1	3
18479	101613	3	1	1	1	2	2	1	1	1	1	156	193	105	20.0	2	5	4	36.0	11.8	3.64	1	3
18480	101614	3	1	1	1	2	2	1	1	1	1	156	193	105	18.6	2	5	4	37.0	10.9	3.85	1	5
18481	101615	3	1	1	1	2	2	1	1	1	1	156	193	100	20.6	2	5	4	37.4	11.9	3.61	1	5
18482	101616	3	1	1	1	2	2	1	1	1	1	156	193	100	21.4	2	5	4	36.1	12.2	3.70	1	5
18483	101617	3	1	1	1	2	2	1	1	1	1	152	190	90	19.0	2	5	4	35.8	10.9	3.85	1	7
18484	101618	2	1	1	3	2	2	1	3	1	4	128	191	95	24.0	1	5	4	28.8	12.3	3.65	1	9
18485	101619	2	2	1	3	2	2	1	3	1	4	126	184	95	25.0	2	5	4	34.7	12.1	3.55	2	9
18486	101620	1	3	1	1	2	2	1	1	1	4	146	190	100	20.6	2	5	4	26.8	12.7	3.62	2	5
18487	101621	2	3	2	1	2	2	2	1	1	4	134	191	85	28.0	2	5	4	35.1	12.9	3.56	1	9
18488	101622	1	3	2	1	2	2	2	1	1	4	138	190	85	27.2	2	5	4	39.2	12.5	3.76	1	9
18489	101623	2	3	2	1	2	2	2	1	1	4	136	189	80	29.8	2	5	4	37.2	11.8	3.81	1	9
18490	101624	1	3	2	1	2	2	2	3	1	4	139	189	85	30.0	2	5	4	36.7	13.7	3.57	1	9
18491	101625	1	3	2	1	2	2	2	3	1	4	135	189	90	29.6	2	5	4	52.9	13.8	3.62	1	9
18492	101626	1	3	2	1	2	2	1	3	1	1	142	190	90	30.0	2	5	4	44.4	13.0	3.53	1	3
18493	101627	1	3	2	1	2	2	2	1	1	1	138	190	95	28.6	2	5	4	36.9	11.7	3.58	1	3
18494	101628	1	3	2	1	2	2	1	1	1	1	139	190	100	33.0	2	5	4	46.1	13.4	3.58	1	7
18495	101629	1	3	2	1	2	2	2	3	1	1	139	189	90	34.0	2	5	4	43.0	13.0	3.53	1	7
18496	101630	1	3	2	1	2	2	2	3	1	4	138	190	95	34.2	2	5	4	40.6	12.9	3.56	1	7
18497	101631	1	3	2	1	2	2	2	3	1	4	135	189	100	33.8	2	5	4	44.4	12.9	3.48	1	7
18498	101632	1	3	2	1	2	2	2	3	1	4	135	189	95	24.6	2	5	4	40.4	13.7	3.43	1	7
18499	101633	1	3	2	1	2	2	2	3	1	4	139	189	95	32.4	2	5	4	39.5	12.7	3.46	1	7
18500	101634	1	3	2	1	2	2	2	3	1	4	138	190	85	33.0	2	5	4	37.2	11.8	3.72	1	7
18501	101635	1	3	2	1	2	2	2	3	1	4	147	190	90	35.0	2	5	4	39.0	12.0	3.58	1	7
18502	101636	1	3	2	1	2	2	2	3	1	4	151	190	95	28.0	2	5	4	40.5	12.6	3.65	1	7
18503	101637	2	3	2	1	2	2	2	3	1	4	138	190	110	32.0	2	5	4	43.2	11.8	3.72	1	7
18504	101638	2	3	2	1	2	2	2	3	1	1	139	190	110	27.4	3	5	4	42.8	11.9	3.52	1	7
18505	101639	2	3	1	1	2	2	1	3	1	1	116	184	100	25.8	2	5	4	34.7	11.8	3.72	1	7
18506	101640	2	3	1	3	2	2	1	3	1	4	116	185	85	27.0	2	5	4	34.1	11.3	3.71	1	7

RG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TTL	LOD
18507	101641	1	3	1	1	2	2	1	5	1	4	142	194	90	19.4	2	5	4	33.7	11.2	3.83	1	5
18508	101642	2	3	1	3	2	2	1	3	1	4	135	189	100	25.8	2	5	4	26.0	12.5	3.76	1	9
18509	101643	2	3	2	1	2	2	2	3	1	4	139	189	100	35.6	2	5	4	33.2	12.1	3.80	1	7
18510	101644	2	3	2	1	2	2	2	3	1	4	135	189	100	34.4	2	5	4	50.2	12.2	3.70	1	7
18511	101645	2	3	1	1	2	1	2	3	1	4	135	180	100	21.8	2	5	4	-	14.4	3.47	1	9
18512	101646	1	3	1	3	2	2	1	3	1	1	131	183	95	24.6	2	5	4	29.1	12.2	3.85	1	7
18513	101647	2	2	1	1	2	2	1	5	1	4	138	192	85	24.2	3	5	4	23.4	13.2	3.63	1	7
18514	101648	1	3	2	1	2	2	2	3	1	4	130	185	100	28.6	2	5	4	37.3	11.6	3.44	1	7
18515	101649	2	3	2	1	2	2	2	1	1	4	130	189	105	29.0	2	5	4	36.5	12.1	3.55	1	7
18516	101650	2	3	2	1	2	2	2	3	1	4	138	190	100	28.6	2	5	4	41.6	12.6	3.65	1	7
18517	101651	2	3	2	1	2	2	2	3	1	4	146	190	100	28.0	2	5	4	41.3	13.9	3.66	1	9
18518	101652	1	3	2	1	2	2	2	3	1	4	147	190	100	31.2	2	5	4	46.0	14.7	3.46	1	9
18519	101653	2	3	2	1	2	2	2	3	1	4	147	190	100	31.8	2	5	4	41.7	13.8	3.69	1	3
18520	101654	1	3	2	1	2	2	2	3	1	1	135	189	105	31.6	2	5	4	42.2	14.1	3.40	1	9
18521	101655	2	3	-	1	2	2	2	3	1	1	135	190	100	30.6	2	5	4	37.0	12.6	3.65	1	9
18522	101656	2	3	1	1	2	2	1	3	1	4	127	190	110	34.0	2	5	4	33.2	11.2	3.66	1	9
18523	101657	1	3	1	1	1	2	1	1	1	4	135	189	110	24.4	2	5	4	35.3	11.4	3.85	1	7
18524	101658	2	3	1	1	2	2	1	3	1	1	151	192	100	26.6	3	5	4	23.5	14.0	3.71	1	3
18525	101659	2	3	2	1	2	2	2	1	1	1	144	190	100	28.6	3	5	4	40.0	12.1	3.71	1	9
18526	101660	2	2	2	1	2	2	1	3	1	1	139	193	85	29.2	2	5	4	41.4	11.9	3.86	1	7
18527	101661	2	3	-	1	2	2	2	3	1	1	139	189	100	34.4	2	5	4	44.4	12.6	3.73	1	7
18528	101662	2	3	2	1	2	2	1	3	1	1	139	189	105	30.0	2	5	4	34.1	11.1	3.78	1	7
18529	101663	2	3	2	1	2	2	2	3	1	4	145	189	105	30.2	2	5	4	36.4	11.8	3.89	1	7
18530	101664	2	3	2	1	2	2	2	3	1	4	135	190	100	28.2	2	5	4	38.3	11.8	3.72	2	5
18531	101665	1	2	1	1	2	2	1	3	1	4	158	192	100	19.0	2	5	4	29.8	11.6	3.79	1	3
18532	101666	2	2	1	3	2	2	1	5	1	4	139	189	110	18.8	2	5	4	44.3	11.7	3.58	2	7
18533	101667	2	3	2	1	2	2	2	3	1	4	144	191	90	31.8	2	5	4	38.9	11.6	3.87	1	3
18534	101668	1	3	2	1	2	2	1	3	1	1	137	189	100	32.6	2	5	4	37.7	11.7	3.84	1	5
18535	101669	2	2	1	1	1	2	1	3	1	4	126	181	115	22.0	2	5	4	35.6	12.5	3.68	1	3
18536	101670	2	3	1	1	2	2	2	3	1	4	122	181	110	21.4	2	5	4	28.5	12.8	3.59	1	1
18537	101671	1	2	1	1	1	2	1	5	1	4	127	182	100	18.2	3	5	4	44.4	11.3	3.71	1	3
18538	101672	2	3	2	1	2	2	2	3	1	4	138	189	100	34.0	2	5	4	32.8	11.5	3.73	1	5
18539	101673	1	3	2	1	2	2	2	3	1	1	139	192	105	31.8	2	5	4	44.2	13.2	3.40	1	3
18540	101674	2	3	1	3	2	2	1	5	1	1	120	183	65	21.6	3	5	4	22.8	14.1	3.26	2	7
18541	101675	2	2	1	1	2	2	1	5	1	4	112	183	90	20.0	3	5	4	26.8	13.2	3.48	2	9
18542	101676	2	2	1	1	2	2	1	5	1	1	138	186	75	23.2	2	5	4	26.9	11.3	3.80	1	7
18543	101677	2	3	2	1	2	2	2	3	1	1	148	190	85	33.8	2	5	4	36.0	12.0	3.66	1	3
18544	101678	2	3	1	1	1	2	1	1	1	1	142	193	110	21.4	2	5	4	34.8	12.9	3.56	1	5
18545	101679	2	3	1	1	2	1	2	9	1	2	128	185	105	20.8	2	5	4	27.7	14.0	3.50	1	-
18546	101680	1	3	2	1	2	2	2	3	1	1	132	189	100	31.6	2	5	4	25.8	11.9	3.61	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18547	101681	2	3	2	1	2	2	2	3	1	1	139	201	75	22.8	2	5	4	39.5	-	-	1	3
18548	101682	2	3	2	1	2	2	2	3	1	4	127	182	85	24.4	2	5	4	43.9	13.5	3.48	1	9
18549	101683	2	3	1	1	2	1	1	3	1	4	126	191	80	21.2	1	5	4	32.7	12.6	3.57	2	5
18550	101684	1	3	1	1	2	1	1	3	1	4	135	190	80	24.6	2	5	4	29.3	13.7	3.50	1	5
18551	101685	1	2	1	1	2	1	1	5	1	4	128	190	85	21.2	2	5	4	34.1	12.4	3.54	1	7
18552	101686	2	2	1	1	2	2	1	5	1	1	137	190	90	16.0	3	5	4	41.7	14.0	3.64	1	5
18553	101687	1	3	1	1	2	1	2	3	1	4	130	190	90	23.8	3	5	1	39.8	12.1	3.55	1	5
18554	101688	2	3	2	1	2	2	2	3	1	4	146	190	105	34.0	2	5	4	41.5	12.9	3.64	2	1
18555	101689	2	3	1	1	2	2	2	3	1	4	138	190	100	21.4	2	5	4	35.8	10.7	3.83	1	9
18556	101690	1	2	1	1	2	1	2	5	1	4	127	186	80	20.2	3	5	4	29.9	13.5	3.48	1	7
18557	101691	1	1	1	1	2	1	2	-	1	4	124	184	85	23.4	3	5	4	30.2	13.7	3.28	1	-
18558	101692	1	3	1	1	2	1	2	5	1	4	127	190	70	22.8	3	5	4	34.5	13.1	3.35	1	7
18559	101693	2	1	1	1	2	1	1	5	1	1	146	193	80	28.2	3	5	4	44.1	11.2	3.83	1	7
18560	101694	1	3	1	1	2	2	2	3	1	4	128	183	90	26.4	3	5	4	31.8	13.4	3.43	1	7
18561	101695	1	3	1	1	2	2	2	1	1	4	126	183	95	23.8	2	5	4	27.2	13.7	3.35	1	7
18562	101696	1	3	1	1	2	2	2	3	1	1	135	183	75	23.8	3	5	4	24.0	12.2	3.70	1	9
18563	101697	2	3	1	1	2	2	2	3	1	4	146	183	95	25.8	3	5	4	30.9	12.4	3.70	1	9
18564	101698	2	2	1	1	2	2	2	5	1	4	138	191	95	21.0	2	5	4	34.2	10.5	3.80	2	7
18565	101699	2	2	2	1	2	2	1	3	1	4	128	195	90	35.6	2	5	4	45.8	13.6	3.45	1	3
18566	101700	2	3	2	1	2	2	2	3	1	1	139	190	100	28.6	2	5	4	43.9	13.1	3.58	1	9
18567	101701	2	3	1	1	2	2	1	3	1	4	135	190	100	21.4	2	5	4	34.3	10.1	4.05	1	9
18568	101702	2	3	1	1	2	2	1	1	1	4	146	195	95	22.2	2	5	4	35.0	12.8	3.67	1	3
18569	101703	2	3	2	1	2	2	2	3	1	4	135	189	95	32.4	2	5	4	40.6	12.2	3.70	1	5
18570	101704	2	3	2	1	2	2	2	3	1	4	135	189	100	31.6	2	5	4	41.2	12.7	3.62	1	7
18571	101705	2	1	2	1	2	2	2	3	1	4	138	189	80	26.0	2	5	4	35.2	12.8	3.43	1	7
18572	101706	1	2	2	1	2	2	2	3	1	4	128	190	90	31.8	2	5	4	36.6	12.7	3.70	1	9
18573	101707	2	2	2	1	2	2	2	3	1	1	128	190	100	30.4	2	5	4	44.6	12.8	3.59	1	9
18574	101708	2	3	2	1	2	2	2	3	1	1	146	190	100	29.2	2	5	4	40.8	14.4	3.33	1	1
18575	101709	2	2	1	1	2	2	1	3	1	2	146	190	85	18.2	2	5	4	31.0	11.2	3.83	1	5
18576	101710	2	2	1	3	2	2	1	3	1	1	146	190	90	22.6	2	5	4	31.4	11.4	3.68	1	7
18577	101711	2	3	2	1	2	2	2	3	1	4	138	189	95	28.8	2	5	4	35.8	11.0	3.90	1	7
18578	101712	2	1	1	1	2	2	1	3	1	4	142	193	110	21.8	2	5	4	40.9	10.8	3.79	1	5
18579	101713	3	1	1	1	2	2	1	1	1	1	159	201	95	27.2	3	5	4	35.7	10.5	3.90	1	5
18580	101714	3	2	1	1	2	2	1	1	1	4	159	189	75	21.2	2	5	4	29.8	10.2	3.82	1	-
18581	101715	2	2	1	3	2	2	2	5	1	4	133	184	105	19.2	3	5	4	34.3	9.8	4.18	1	9
18582	101716	2	2	1	1	1	2	2	5	1	4	134	189	115	20.2	2	5	4	40.2	9.0	4.22	1	7
18583	101717	1	3	1	1	1	2	1	5	1	4	126	192	105	25.2	2	5	4	36.5	9.3	4.19	1	5
18584	101718	1	3	1	3	2	2	2	3	1	4	126	181	95	19.6	3	4	4	42.9	9.8	4.18	1	7
18585	101719	1	2	1	3	2	1	2	3	1	4	128	180	90	24.8	2	5	4	20.0	12.3	3.49	1	9
18586	101720	2	3	2	1	1	2	2	1	1	4	138	192	105	29.8	2	5	4	40.7	10.0	4.00	1	9

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18587	101721	1	3	1	1	1	2	2	5	1	4	130	189	95	15.0	3	5	4	37.9	11.3	3.98	1	7
18588	101722	2	2	2	9	2	2	1	7	2	3	125	190	105	24.8	3	5	4	49.9	11.0	3.90	1	5
18589	101723	2	3	1	1	2	2	1	5	1	2	128	182	90	22.0	3	5	4	36.7	10.0	4.00	1	9
18590	101724	2	3	1	1	2	1	2	1	1	4	138	190	85	22.2	2	5	4	20.4	10.8	3.98	1	9
18591	101725	1	3	2	9	2	1	1	7	2	3	128	191	100	24.2	2	5	4	48.1	14.4	3.54	1	3
18592	101726	1	2	1	-	-	2	2	9	1	4	138	192	100	26.2	3	5	3	23.5	11.4	3.77	1	7
18593	101727	2	3	2	3	2	2	2	3	1	4	135	192	100	29.2	2	5	4	35.9	11.5	3.82	1	7
18594	101728	2	3	1	1	2	2	1	3	1	4	138	193	105	22.6	2	5	4	36.6	11.4	3.68	1	9
18595	101729	2	3	2	1	2	2	1	1	1	4	132	193	90	30.8	2	5	4	48.6	11.4	3.85	1	5
18596	101730	2	3	2	1	2	2	2	1	1	1	135	189	95	33.4	2	5	4	43.9	11.9	3.78	1	7
18597	101731	2	2	2	1	2	2	2	3	1	1	135	190	95	32.4	2	5	4	34.5	11.5	3.82	1	7
18598	101732	2	2	2	1	2	2	2	3	1	4	138	190	85	28.0	2	5	4	34.9	11.5	3.82	1	7
18599	101733	2	2	2	1	2	2	2	3	1	4	135	189	95	32.0	2	5	4	37.5	11.1	3.87	1	5
18600	101734	2	3	2	1	2	2	2	3	1	4	135	189	80	27.4	2	5	4	34.6	11.5	3.82	1	5
18601	101735	1	3	2	1	2	2	2	3	1	4	146	190	85	29.4	3	5	4	32.3	11.8	3.72	1	5
18602	101736	2	3	2	1	2	2	2	3	1	1	138	190	85	30.2	2	5	4	34.1	11.1	3.87	1	3
18603	101737	2	3	2	1	2	2	2	3	1	4	142	190	95	32.6	2	5	4	40.6	13.3	3.60	1	5
18604	101738	-	2	1	1	2	1	2	1	1	2	135	190	105	21.4	2	5	4	36.7	13.2	3.63	1	3
18605	101739	2	3	1	1	2	1	2	1	1	4	130	183	80	24.6	2	5	4	17.1	13.3	3.53	1	9
18606	101740	2	3	1	1	2	1	2	3	1	4	130	190	85	28.0	2	5	4	37.4	12.1	3.71	1	9
18607	101741	-	1	1	1	2	2	1	3	1	1	132	191	100	20.8	2	5	4	34.8	10.7	3.92	1	5
18608	101742	2	1	1	1	2	2	1	3	1	1	124	189	90	19.4	2	5	4	31.4	10.1	3.66	1	9
18609	101743	2	1	1	1	2	2	1	3	1	4	130	189	95	23.8	2	5	4	27.7	10.8	3.88	1	9
18610	101744	2	1	1	3	2	2	1	5	1	4	142	191	85	25.4	3	5	4	33.3	11.8	3.81	1	7
18611	101745	2	1	1	3	2	2	1	5	1	4	142	191	90	25.6	3	5	4	33.2	11.6	3.96	1	7
18612	101746	-	1	1	3	2	2	1	5	1	4	142	191	95	24.2	3	5	4	34.7	10.7	3.92	1	3
18613	101747	2	1	1	3	2	2	1	5	1	1	146	191	90	24.0	3	5	4	36.5	10.7	4.01	1	3
18614	101748	2	1	1	1	2	2	1	3	1	4	146	191	80	21.0	2	5	4	36.6	11.2	4.01	1	7
18615	101749	2	1	1	1	2	2	1	3	1	4	135	191	100	24.4	2	5	4	33.3	10.3	4.07	1	7
18616	101750	2	1	1	1	2	2	1	3	1	4	146	191	95	22.0	2	5	4	39.2	10.5	4.09	1	7
18617	101751	2	1	1	1	2	2	1	3	1	4	146	191	100	26.8	2	5	4	42.2	10.1	4.05	1	5
18618	101752	2	1	1	1	2	2	1	3	1	4	146	191	90	21.2	2	5	4	37.7	11.0	4.00	1	7
18619	101753	2	1	1	1	2	2	1	3	1	4	146	191	95	24.6	2	5	4	36.6	10.8	3.88	1	7
18620	101754	2	3	2	1	2	2	2	1	1	4	135	190	100	33.6	2	5	4	42.9	11.9	3.69	1	7
18621	101755	2	3	1	-	-	2	2	3	1	4	135	183	100	26.0	2	5	3	36.4	11.0	3.81	1	7
18622	101756	2	2	1	3	2	2	1	5	1	2	138	189	90	26.2	2	5	4	43.4	9.6	4.16	1	7
18623	101757	2	1	1	3	1	2	2	3	1	4	146	189	100	25.2	2	5	4	-	13.1	3.66	1	3
18624	101758	2	1	1	1	2	2	1	3	1	1	142	195	90	26.2	2	5	4	27.5	13.7	3.57	1	3
18625	101759	2	1	1	1	2	2	1	3	1	4	149	193	80	30.6	2	5	4	37.6	11.8	3.72	1	5
18626	101760	-	2	1	3	2	2	1	5	1	4	128	181	70	20.0	3	5	4	35.4	10.8	4.07	1	7

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18627	101761	2	1	1	1	2	2	1	1	1	2	144	200	105	13.2	2	5	4	43.2	11.0	3.72	1	5
18628	101762	2	1	1	1	2	2	2	5	1	2	135	192	100	25.0	2	5	4	29.3	10.2	4.01	1	9
18629	101763	2	1	1	1	2	2	1	9	1	4	135	191	100	21.4	2	5	4	46.7	11.5	3.91	1	9
18630	101764	2	1	1	1	1	2	2	3	1	4	135	191	105	26.2	2	5	4	36.6	11.1	3.87	1	7
18631	101765	2	1	1	3	1	2	2	3	1	4	135	191	110	27.6	2	5	4	32.7	11.4	3.85	1	7
18632	101766	2	1	1	3	1	2	2	3	1	1	124	190	100	26.4	2	5	4	27.7	10.4	4.13	1	9
18633	101767	2	3	1	3	1	2	2	3	1	4	122	184	105	26.0	2	5	4	32.5	12.0	4.00	1	9
18634	101768	2	1	1	1	2	2	1	3	1	4	122	189	100	26.4	2	5	4	31.5	11.6	3.70	1	7
18635	101769	2	2	1	3	2	2	2	5	1	4	124	189	100	25.8	2	5	4	33.4	11.2	3.92	1	7
18636	101770	2	2	1	1	2	2	2	3	1	1	134	190	100	26.6	2	5	4	41.1	9.7	4.02	1	9
18637	101771	2	1	1	1	2	2	1	3	1	4	138	190	110	27.4	2	5	4	33.7	11.2	3.92	1	3
18638	101772	2	1	1	1	1	2	2	9	2	3	139	191	95	23.2	2	5	4	43.4	13.8	3.47	1	3
18639	101773	2	2	1	3	1	2	2	1	1	1	135	189	95	26.6	2	5	4	34.3	11.6	3.87	1	3
18640	101774	2	1	1	1	1	2	2	3	1	4	125	191	100	19.0	2	5	4	35.8	11.1	3.78	1	5
18641	101775	2	2	1	3	1	2	1	5	1	1	135	189	110	20.0	2	5	4	40.3	10.5	3.90	1	3
18642	101776	2	1	1	3	1	2	1	9	1	1	142	194	95	24.0	2	5	4	46.0	12.7	3.77	1	3
18643	101777	2	2	1	3	2	2	1	5	1	1	133	192	90	22.0	3	5	4	38.1	11.4	3.68	1	3
18644	101778	1	2	1	-	-	2	2	3	1	4	134	192	100	30.0	3	5	3	32.3	12.5	3.68	1	5
18645	101779	2	3	2	1	2	2	2	9	1	1	135	190	100	29.8	3	5	4	37.1	12.9	3.72	1	3
18646	101780	1	3	1	3	2	2	2	5	1	4	135	184	85	26.0	3	5	4	32.2	10.9	4.03	1	1
18647	101781	2	3	2	1	2	2	2	3	1	1	135	190	95	30.6	2	5	4	46.4	11.4	3.85	1	3
18648	101782	1	3	2	1	2	2	1	3	1	1	133	190	95	31.4	2	5	4	35.5	12.9	3.72	1	3
18649	101783	2	3	2	1	2	2	1	3	1	1	134	193	80	29.0	2	5	4	36.4	11.4	3.77	1	1
18650	101784	2	3	2	1	2	2	1	3	1	1	142	193	85	30.2	2	5	4	41.3	11.4	3.94	1	3
18651	101785	2	3	2	1	2	2	2	3	1	1	133	190	100	24.8	2	5	4	39.6	11.0	4.00	1	1
18652	101786	2	3	2	1	2	2	2	1	1	4	129	191	95	29.6	2	5	4	46.5	14.6	3.63	1	9
18653	101787	2	3	2	1	2	2	2	1	1	1	133	190	85	30.4	2	5	4	40.5	12.6	3.49	1	5
18654	101788	1	3	2	1	2	2	2	3	1	1	133	189	95	29.2	2	5	4	41.6	12.4	3.79	1	7
18655	101789	2	2	2	1	2	2	2	1	1	1	132	190	95	28.6	1	5	4	38.6	10.7	3.83	1	5
18656	101790	2	3	2	1	2	2	2	3	1	4	128	185	80	22.8	2	5	4	40.2	10.3	4.07	1	9
18657	101791	2	3	1	1	2	2	1	1	1	4	144	195	100	23.2	2	5	4	44.6	11.0	3.81	1	3
18658	101792	2	2	1	1	2	2	1	1	1	4	128	190	90	25.0	2	5	4	38.7	11.0	3.90	1	7
18659	101793	2	3	2	1	1	2	2	1	1	4	128	192	85	30.6	1	5	4	50.5	13.2	3.71	1	7
18660	101794	2	3	2	1	1	2	2	1	1	1	127	191	85	28.6	1	5	4	51.2	14.6	3.35	1	5
18661	101795	2	3	2	1	1	2	2	3	1	1	138	190	100	28.2	1	5	4	48.6	13.3	3.45	1	3
18662	101796	2	3	2	1	1	2	1	1	1	4	134	190	100	30.2	1	5	4	51.6	14.7	3.40	1	3
18663	101797	2	1	2	9	1	2	1	7	2	3	135	190	100	30.0	2	5	4	41.5	14.5	3.37	1	7
18664	101798	2	1	2	1	2	2	2	3	1	1	138	193	70	30.0	2	5	4	38.0	11.8	3.81	1	5
18665	101799	2	1	2	1	2	2	2	1	1	1	144	195	90	31.8	2	5	4	39.3	10.3	3.88	1	1
18666	101800	2	1	2	1	2	2	2	1	1	1	138	192	80	29.0	2	5	4	37.7	11.1	3.87	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOO
18667	101801	2	2	2	1	2	2	2	3	1	1	144	191	80	33.6	2	5	4	36.9	11.9	3.78	1	1
18668	101802	2	3	2	1	2	2	2	1	1	4	146	207	75	28.6	2	5	4	38.6	14.4	3.47	1	1
18669	101803	2	3	3	1	2	2	2	1	1	1	146	190	90	23.0	2	5	4	38.9	13.1	3.58	2	3
18670	101804	3	2	2	1	2	2	2	1	1	1	159	191	85	26.0	2	5	4	35.1	14.1	3.54	1	1
18671	101805	2	3	2	1	2	2	2	1	1	4	138	190	90	31.0	2	5	4	38.7	11.2	3.83	1	3
18672	101806	2	3	2	1	2	2	2	1	1	1	138	190	90	28.4	2	5	4	40.3	11.8	3.72	1	7
18673	101807	2	2	2	1	2	2	1	1	1	1	138	189	90	35.0	2	5	4	36.4	11.4	3.59	1	-
18674	101808	2	3	2	1	2	2	2	3	1	1	138	191	100	31.0	2	5	4	44.2	12.9	3.56	2	7
18675	101809	2	3	2	1	2	2	2	3	1	1	138	190	90	24.0	2	5	4	38.3	10.7	4.01	1	7
18676	101810	2	3	2	1	2	2	1	3	1	1	138	193	90	28.2	2	5	4	38.1	11.7	3.76	1	3
18677	101811	2	3	2	1	2	2	2	3	1	1	130	189	80	25.4	2	5	4	45.0	11.6	3.70	1	5
18678	101812	2	2	1	1	2	2	2	3	1	1	138	194	85	24.0	2	5	4	30.3	12.3	3.82	1	7
18679	101813	2	3	2	1	2	2	2	5	1	1	138	193	90	30.0	2	5	4	34.3	10.1	3.96	1	1
18680	101814	2	2	1	3	2	2	1	3	1	4	146	195	70	24.2	3	5	4	38.4	10.4	4.32	1	3
18681	101815	2	3	2	1	2	2	1	1	1	1	138	193	90	31.8	2	5	4	55.2	13.9	3.52	1	1
18682	101816	1	3	2	1	2	2	2	1	1	4	127	190	85	28.8	1	5	4	41.0	12.1	3.71	1	7
18683	101817	1	3	2	1	1	1	1	9	1	4	122	191	80	26.2	2	5	4	46.4	13.5	3.55	1	9
18684	101818	1	3	2	1	2	1	2	1	1	4	128	192	90	26.8	2	5	4	40.1	11.2	3.83	1	9
18685	101819	2	3	1	1	2	1	2	1	1	4	125	189	80	26.2	2	5	4	23.2	13.5	3.48	1	9
18686	101820	-	2	1	1	2	1	2	3	1	4	128	184	87	23.2	3	5	4	25.5	13.7	3.35	1	5
18687	101821	2	3	1	3	2	1	2	1	1	4	125	183	75	24.0	2	5	4	27.3	12.7	3.54	1	9
18688	101822	2	3	1	1	2	1	2	1	1	4	128	190	80	28.4	2	5	4	22.6	12.8	3.59	1	9
18689	101823	2	3	2	1	2	1	2	1	1	4	128	193	80	24.2	2	5	4	42.3	13.1	3.51	1	7
18690	101824	2	3	1	1	2	1	1	5	1	4	138	190	90	27.6	3	5	4	35.3	15.6	3.46	1	3
18691	101825	2	3	2	1	2	2	2	1	1	1	140	190	100	28.6	1	5	4	42.0	12.0	3.83	1	5
18692	101826	2	3	2	1	2	2	2	3	1	1	132	190	80	26.0	2	5	4	43.2	12.8	3.59	1	5
18693	101827	1	3	3	1	1	2	2	1	1	2	135	183	110	25.6	2	5	1	51.3	13.5	3.62	1	1
18694	101828	1	3	1	3	2	2	2	3	1	1	135	183	80	20.0	3	5	4	26.2	12.2	3.68	2	9
18695	101829	2	3	2	1	2	2	2	3	1	4	135	189	90	30.0	2	5	4	29.4	12.0	3.50	1	7
18696	101830	2	2	2	1	2	2	1	3	1	1	135	190	80	31.2	2	5	4	39.1	11.0	3.81	1	7
18697	101831	2	3	2	1	2	2	2	3	1	4	127	190	85	29.8	2	5	4	40.4	12.5	3.68	1	7
18698	101832	3	1	1	3	2	2	2	3	1	2	124	182	75	26.6	2	5	4	32.1	13.4	3.58	1	9
18699	101833	2	3	2	1	2	2	2	3	1	1	146	201	85	35.8	2	5	4	38.4	14.8	3.44	1	3
18700	101834	2	3	1	3	2	2	2	3	1	2	126	181	70	20.4	2	5	4	30.7	12.8	3.67	1	9
18701	101835	3	1	1	1	2	2	1	3	1	4	159	195	85	22.8	2	5	4	34.4	11.5	3.47	1	3
18702	101836	3	1	1	1	2	2	1	1	1	1	158	194	85	20.2	2	5	4	26.7	13.6	3.60	1	3
18703	101837	3	1	1	1	2	2	1	5	1	4	146	194	100	22.0	2	5	4	29.9	12.5	3.60	1	1
18704	101838	3	1	1	1	2	2	1	5	1	1	163	195	90	17.0	2	5	4	31.6	12.9	3.56	1	1
18705	101839	3	1	1	1	2	2	1	1	1	1	158	195	100	16.4	2	5	4	31.1	13.4	3.58	1	1
18706	101840	3	1	1	1	2	2	1	1	1	4	159	195	100	19.2	2	5	4	34.8	11.5	3.82	1	5

IG	ICB	GHA	GCL	ENO	ACO	ARG	KCV	RHL	GOD	LOD	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18707	101841	3	1	1	1	2	2	1	1	1	1	158	200	95	19.0	2	5	4	31.9	12.5	3.60	1	3
18708	101842	3	1	1	1	2	2	1	1	1	1	158	195	100	19.6	2	5	4	29.8	11.7	3.67	1	1
18709	101843	3	1	1	1	2	2	1	1	1	4	158	195	95	19.6	2	5	4	30.4	11.6	3.79	1	1
18710	101844	3	1	1	1	2	2	1	1	1	4	159	195	105	22.8	2	5	4	28.5	12.6	3.65	1	1
18711	101845	3	1	1	1	2	2	1	1	1	4	158	195	95	22.8	2	5	4	29.5	12.6	3.57	1	1
18712	101846	3	1	1	1	2	2	1	1	1	1	153	195	100	19.4	2	5	4	28.8	13.1	3.66	1	1
18713	101847	3	1	1	3	2	2	1	1	1	1	146	194	90	20.8	3	5	4	30.0	13.6	3.45	1	1
18714	101848	3	1	1	3	2	2	1	1	1	1	153	195	100	25.0	3	5	4	35.4	12.1	3.71	1	1
18715	101849	2	3	2	1	2	2	1	3	1	1	138	189	90	26.6	2	5	4	40.3	11.5	3.91	1	9
18716	101850	3	1	1	1	2	2	1	1	1	1	149	193	100	23.6	2	5	4	41.0	10.9	3.94	1	3
18717	101851	2	1	1	1	2	2	1	1	1	4	138	192	100	21.2	2	5	4	33.2	10.4	4.03	1	7
18718	101852	2	1	1	3	2	2	1	1	1	4	146	191	85	23.2	2	5	4	34.5	11.1	3.96	1	3
18719	101853	2	2	1	1	2	2	1	3	1	2	128	184	90	18.8	2	5	4	38.6	10.5	4.09	1	9
18720	101854	2	2	2	1	2	2	1	3	1	4	127	184	80	25.0	2	5	4	40.4	10.9	4.12	1	9
18721	101855	1	3	2	1	2	2	2	3	1	4	127	184	75	28.4	2	5	4	37.0	12.1	3.96	1	9
18722	101856	2	3	2	1	2	2	1	3	1	1	126	185	85	25.8	2	5	4	38.7	11.1	3.96	1	9
18723	101857	1	3	2	1	2	2	2	3	1	4	128	183	65	22.8	2	5	4	40.8	11.2	4.01	1	9
18724	101858	2	2	2	1	2	2	2	3	1	1	128	192	75	25.4	2	5	4	40.1	11.2	3.83	1	9
18725	101859	2	1	1	1	2	2	1	3	1	2	146	191	85	22.2	2	5	4	36.1	11.5	3.91	1	3
18726	101860	2	1	1	1	2	2	1	3	1	2	146	191	75	21.2	2	5	4	36.8	12.4	3.70	1	3
18727	101861	3	1	1	1	2	2	1	3	1	2	144	191	80	22.2	2	5	4	39.2	11.1	4.05	1	3
18728	101862	2	1	1	1	2	2	1	1	1	2	128	184	70	25.8	2	5	4	27.3	13.2	3.56	1	9
18729	101863	2	1	1	3	2	2	1	3	1	2	128	184	95	25.0	2	5	4	30.5	11.2	3.75	1	9
18730	101864	2	1	1	1	2	2	1	3	1	2	142	191	90	24.4	2	5	4	28.1	13.1	3.81	1	5
18731	101865	2	1	1	1	2	2	1	3	1	2	146	191	100	28.4	2	5	4	27.2	14.0	3.57	1	3
18732	101866	2	1	1	1	2	2	1	3	1	2	146	191	95	26.0	2	5	4	32.7	13.1	3.66	1	3
18733	101867	2	1	1	1	2	2	1	3	1	2	146	191	100	25.2	2	5	4	30.4	15.1	3.44	1	3
18734	101868	2	1	1	1	2	2	1	3	1	2	146	191	95	25.2	2	5	4	34.4	14.3	3.49	1	7
18735	101869	2	1	1	1	2	2	1	3	1	1	142	191	85	29.8	2	5	4	29.9	13.8	3.62	1	7
18736	101870	3	1	1	1	2	2	1	3	1	1	146	191	80	24.2	2	5	4	36.0	12.4	3.79	1	5
18737	101871	3	1	1	1	2	2	1	1	1	2	153	195	90	18.0	2	5	4	38.4	12.2	3.60	1	3
18738	101872	3	1	1	1	2	2	1	1	1	1	153	193	95	21.0	2	5	4	33.4	12.5	3.68	1	3
18739	101873	2	1	1	1	2	2	1	3	1	2	146	193	105	21.6	2	5	4	33.3	12.6	3.73	1	3
18740	101874	3	1	1	1	2	2	1	1	1	2	153	193	95	20.6	2	5	4	40.8	11.7	3.76	1	7
18741	101875	2	1	1	1	2	2	1	1	1	1	142	191	100	18.2	2	5	4	41.2	10.6	3.86	1	7
18742	101876	2	1	1	1	2	2	1	5	1	4	142	190	105	22.6	2	5	4	34.8	10.4	4.13	1	7
18743	101877	2	1	1	1	2	2	1	3	1	2	142	190	90	25.0	2	5	4	35.8	11.2	3.92	1	7
18744	101878	3	1	1	1	2	2	1	3	1	1	146	191	100	23.2	2	5	4	36.5	9.9	3.73	1	7
18745	101879	2	1	1	1	2	2	1	3	1	2	146	190	85	26.0	2	5	4	37.8	12.1	3.80	1	7
18746	101880	2	1	1	1	2	2	1	3	1	4	142	190	90	21.2	2	5	4	42.0	9.8	4.18	1	7

KG	KCB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18747	101881	-	3	2	1	2	2	2	3	1	4	127	189	70	26.6	2	5	4	40.0	11.2	4.01	1	9
18748	101882	2	1	1	1	2	2	1	3	1	4	146	193	85	30.8	2	5	4	40.6	9.4	4.25	1	7
18749	101883	2	1	1	1	2	2	1	3	1	4	146	193	75	19.6	2	5	4	36.7	10.8	3.98	1	7
18750	101884	3	1	1	1	2	2	1	1	1	2	144	193	90	26.2	2	5	4	42.9	9.5	4.10	1	5
18751	101885	-	1	1	1	2	2	1	3	1	1	142	193	100	21.4	2	5	4	35.3	10.2	4.01	1	7
18752	101886	-	1	1	1	2	2	1	1	1	4	153	192	95	22.8	2	5	4	38.2	13.0	3.69	1	7
18753	101887	2	1	1	1	2	2	1	3	1	4	138	192	85	26.6	2	5	4	39.6	11.8	3.81	1	5
18754	101888	-	1	1	1	2	2	1	3	1	4	142	192	85	23.6	2	5	4	36.4	10.7	3.92	1	7
18755	101889	-	1	1	1	2	2	1	3	1	2	142	192	85	25.0	2	5	4	34.5	11.0	4.00	1	7
18756	101890	2	1	1	1	2	2	1	1	1	2	146	192	95	22.4	2	5	4	39.6	11.2	3.92	1	7
18757	101891	-	1	1	1	2	2	1	3	1	2	146	193	105	20.0	2	5	4	36.2	11.0	4.00	1	7
18758	101892	-	1	1	1	2	2	1	1	1	2	149	193	95	21.4	2	5	4	29.1	12.4	3.70	1	5
18759	101893	2	1	1	3	2	2	1	1	1	2	151	193	105	22.2	2	5	4	35.1	11.5	3.91	1	5
18760	101894	2	1	1	1	2	2	1	1	1	2	153	193	105	21.2	2	5	4	35.2	11.7	3.67	1	5
18761	101895	2	1	1	1	2	2	1	1	1	4	156	193	105	23.8	2	5	4	36.4	10.4	3.94	1	5
18762	101896	2	1	1	1	2	2	1	3	1	2	153	193	90	23.0	2	5	4	39.1	10.8	3.98	1	7
18763	101897	2	1	1	1	2	2	1	3	1	2	151	192	115	22.8	2	5	4	37.0	10.7	4.01	1	5
18764	101898	2	1	1	3	2	2	1	3	1	2	153	193	110	25.8	2	5	4	42.2	10.3	3.98	1	5
18765	101899	2	1	1	1	2	2	1	3	1	4	153	193	100	22.0	2	5	4	39.1	11.9	3.86	1	5
18766	101900	-	1	1	3	2	2	1	3	1	4	144	192	110	16.0	2	5	4	42.9	11.0	3.90	1	7
18767	101901	2	1	1	1	2	2	1	1	1	2	144	192	95	26.6	2	5	4	41.4	12.0	3.66	1	7
18768	101902	2	1	1	3	2	2	1	3	1	4	142	191	105	22.0	2	5	4	35.8	11.2	3.75	1	7
18769	101903	2	1	1	1	2	2	1	3	1	2	149	193	100	24.4	2	5	4	37.9	12.1	3.80	1	5
18770	101904	2	1	1	1	2	2	1	3	1	2	149	191	100	26.8	2	5	4	38.8	11.2	3.83	1	3
18771	101905	2	1	1	1	2	2	1	3	1	1	149	191	100	17.8	2	5	4	32.9	12.6	3.57	1	5
18772	101906	2	1	1	1	2	2	1	3	1	2	146	192	95	27.4	2	5	4	35.6	11.0	3.90	1	5
18773	101907	2	1	1	1	2	2	1	3	1	2	149	192	100	29.2	2	5	4	34.6	12.6	3.65	1	7
18774	101908	2	1	1	1	2	2	1	3	1	2	146	191	110	23.6	2	5	4	38.5	11.7	3.76	1	7
18775	101909	2	1	1	3	2	2	1	3	1	2	146	191	95	22.4	2	5	4	36.5	12.6	3.65	1	3
18776	101910	2	1	1	1	2	2	1	1	1	4	142	191	100	22.8	2	5	4	37.6	12.4	3.70	1	3
18777	101911	2	1	1	1	2	2	1	3	1	4	146	191	105	22.2	2	5	4	34.6	12.8	3.59	1	3
18778	101912	2	3	2	1	2	1	2	1	1	4	135	190	100	31.8	2	5	4	38.7	12.3	3.73	1	9
18779	101913	2	1	1	3	2	2	1	5	1	1	138	190	90	18.0	2	5	4	36.0	10.4	3.94	1	9
18780	101914	2	1	1	1	2	2	1	5	1	4	138	189	95	14.8	2	5	4	34.6	10.6	3.77	1	5
18781	101915	2	1	1	1	2	2	1	3	1	4	135	189	80	17.8	2	5	4	33.6	10.6	4.05	1	9
18782	101916	2	1	1	1	2	2	1	5	1	4	138	189	85	20.4	2	5	4	33.1	11.0	3.72	1	9
18783	101917	2	1	2	1	2	2	2	1	1	4	135	189	80	28.2	2	5	4	34.5	13.6	3.45	1	9
18784	101918	2	1	1	1	2	2	1	3	1	1	146	191	100	22.2	2	5	4	33.5	11.3	3.71	1	3
18785	101919	1	3	2	1	2	2	1	3	1	4	128	192	70	17.8	2	5	4	36.7	12.6	3.49	1	9
18786	101920	1	3	2	1	2	2	2	3	1	4	128	192	65	18.8	2	5	4	38.1	12.0	3.50	1	9

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GOO	LOO	KOO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOO
18787	101921	2	3	2	1	2	2	2	3	1	4	127	191	75	22.6	2	5	4	45.0	13.2	3.40	1	9
18788	101922	1	3	2	1	2	2	1	3	1	4	128	191	75	24.6	2	5	4	45.0	12.3	3.49	1	7
18789	101923	1	3	2	1	2	2	2	3	1	1	128	190	75	26.0	2	5	4	39.1	12.8	3.59	1	7
18790	101924	2	1	1	1	2	2	1	3	1	2	146	192	90	23.8	2	5	4	29.4	15.9	2.95	1	7
18791	101925	2	1	1	1	2	2	1	3	1	2	142	192	105	23.2	2	5	4	30.6	11.7	3.58	1	5
18792	101926	2	1	1	1	2	2	1	3	1	4	142	192	100	22.4	2	5	4	30.7	15.2	3.28	1	5
18793	101927	2	1	1	1	2	2	1	3	1	4	142	191	80	23.0	2	5	4	33.3	14.1	3.33	1	5
18794	101928	2	1	1	1	2	2	1	1	1	2	142	192	90	26.2	2	5	4	38.8	12.3	3.57	1	5
18795	101929	2	1	1	3	2	2	1	3	1	4	128	185	100	20.0	2	5	4	29.5	12.9	3.48	1	9
18796	101930	2	1	1	1	2	2	1	1	1	2	142	191	85	27.8	2	5	4	37.7	11.2	3.92	1	7
18797	101931	2	1	1	1	2	2	1	1	1	1	153	191	90	23.0	2	5	4	35.1	12.9	3.48	1	7
18798	101932	2	1	1	1	2	2	1	1	1	4	146	191	80	22.4	2	5	4	32.6	13.0	3.46	1	7
18799	101933	2	1	1	1	2	2	1	1	1	1	153	191	70	20.6	2	5	4	39.0	11.4	3.77	1	7
18800	101934	2	1	1	1	2	2	1	1	1	2	146	191	75	20.8	2	5	4	37.3	12.4	3.70	1	7
18801	101935	1	3	2	3	2	2	2	3	1	1	129	184	70	23.2	2	5	4	36.4	12.9	3.56	1	7
18802	101936	2	1	1	1	2	2	1	5	1	1	156	195	95	18.6	2	5	4	41.2	11.5	3.56	1	5
18803	101937	2	1	1	1	2	2	1	5	1	1	146	193	100	21.8	2	5	4	34.7	11.4	3.42	1	7
18804	101938	2	1	1	1	2	2	1	1	1	1	146	192	90	24.8	2	5	4	37.0	10.7	3.83	1	7
18805	101939	1	3	2	3	2	2	2	3	1	1	127	184	65	23.0	2	5	4	41.7	11.6	3.87	1	9
18806	101940	3	1	1	3	2	2	1	3	1	4	146	189	70	21.2	2	5	4	39.8	11.3	3.80	1	9
18807	101941	1	3	2	3	2	2	2	3	1	1	142	192	75	27.6	2	5	4	36.7	11.7	3.58	1	9
18808	101942	2	1	1	1	2	2	1	1	1	4	146	191	100	25.0	2	5	4	38.2	11.9	3.78	1	7
18809	101943	3	1	1	1	2	2	1	5	1	2	153	193	90	24.0	2	5	4	37.6	11.3	3.71	1	5
18810	101944	3	1	1	1	2	2	1	5	1	2	135	193	100	22.2	2	5	4	36.0	12.6	3.57	1	5
18811	101945	3	1	1	1	2	2	1	5	1	1	146	193	95	16.6	2	5	4	30.9	13.6	3.60	1	5
18812	101946	2	1	1	1	2	2	1	5	1	4	153	193	100	17.6	2	5	4	37.3	11.3	3.80	1	3
18813	101947	3	1	1	1	2	2	1	1	1	1	151	194	95	19.2	2	5	4	35.7	10.9	3.94	1	3
18814	101948	3	2	1	1	2	2	1	3	1	2	142	193	90	21.0	2	5	4	31.1	12.1	3.80	1	7
18815	101949	3	1	1	1	2	2	1	3	1	2	146	193	100	29.0	2	5	4	29.1	12.1	3.55	1	7
18816	101950	2	1	1	1	2	2	1	3	1	2	149	193	100	17.8	2	5	4	37.5	11.6	3.70	1	7
18817	101951	3	1	1	3	2	2	1	3	1	1	149	193	95	23.0	2	5	4	37.8	13.2	3.63	1	5
18818	101952	2	1	1	3	2	2	1	3	1	2	146	191	90	22.8	2	5	4	30.7	13.6	3.60	1	5
18819	101953	2	3	2	3	1	2	2	3	1	4	135	190	75	33.8	2	5	4	36.9	12.7	3.62	1	9
18820	101954	3	3	2	3	1	2	1	3	1	1	134	189	80	31.2	2	5	4	40.6	11.8	3.64	1	9
18821	101955	2	1	1	3	2	2	1	3	1	2	131	184	80	24.4	2	5	4	29.0	12.8	3.51	1	9
18822	101956	2	1	1	3	2	2	1	3	1	2	133	190	70	25.0	2	5	4	35.0	11.4	3.77	1	9
18823	101957	2	1	2	3	2	2	2	3	1	4	142	190	90	30.6	2	5	4	47.7	11.5	4.00	1	9
18824	101958	2	3	2	1	1	2	1	3	1	1	126	190	75	27.2	2	5	4	40.5	11.3	3.80	1	9
18825	101959	1	3	2	1	2	2	1	3	1	4	122	183	85	28.8	2	5	4	39.9	12.5	3.60	1	5
18826	101960	3	1	1	1	2	2	1	1	1	2	149	195	90	25.2	2	5	4	37.2	13.1	3.58	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18827	101961	2	1	1	3	2	2	1	5	1	2	146	192	90	24.6	2	5	4	31.3	13.5	3.48	1	3
18828	101962	3	1	1	3	2	2	1	1	1	2	142	192	85	21.0	2	5	4	33.2	11.1	3.87	1	5
18829	101963	2	2	1	3	2	2	1	1	1	4	142	190	105	22.2	2	5	4	36.7	11.5	3.65	1	9
18830	101964	2	1	1	3	2	2	1	1	1	1	142	190	70	22.0	2	5	4	36.2	11.5	3.73	1	7
18831	101965	2	2	1	3	2	2	1	3	1	1	146	190	95	21.4	2	5	4	38.3	11.2	3.75	1	7
18832	101966	2	2	1	3	2	2	1	3	1	1	142	190	60	16.2	2	5	4	35.8	11.2	3.92	1	7
18833	101967	1	3	2	3	2	2	1	3	1	4	130	184	65	24.2	2	5	4	34.6	12.0	3.66	1	9
18834	101968	1	3	2	3	2	2	2	3	1	1	138	190	75	25.0	2	5	4	41.6	11.0	3.81	1	9
18835	101969	3	1	1	1	2	2	1	3	1	1	146	190	90	24.8	2	5	4	37.1	12.1	3.71	1	7
18836	101970	2	3	2	1	2	2	1	3	1	1	135	190	90	22.0	2	5	4	32.6	13.3	3.45	1	9
18837	101971	2	1	1	1	1	2	1	3	1	2	144	192	85	24.2	2	5	4	31.4	13.1	3.51	1	5
18838	101972	2	1	1	3	2	2	1	1	1	2	146	193	95	21.2	2	5	4	35.7	12.9	3.72	1	5
18839	101973	2	3	1	1	2	2	1	3	1	2	146	195	100	23.8	2	5	4	26.0	12.6	3.73	1	5
18840	101974	2	2	1	3	2	2	1	3	1	2	144	192	100	16.8	2	5	4	38.4	13.0	3.61	1	9
18841	101975	2	3	1	3	2	2	1	3	1	2	135	190	90	14.8	2	5	4	38.0	10.9	3.94	1	9
18842	101976	2	1	1	1	2	2	1	1	1	4	135	189	100	19.2	2	5	4	42.8	11.5	3.82	1	7
18843	101977	2	1	1	1	2	2	1	3	1	4	135	180	110	24.0	2	5	4	42.2	11.7	3.67	1	5
18844	101978	2	1	1	1	2	2	1	3	1	2	135	189	95	20.8	2	5	4	46.6	11.6	3.70	1	7
18845	101979	2	2	1	1	2	2	1	3	1	2	138	190	95	22.0	2	5	4	45.4	11.3	3.80	1	7
18846	101980	2	2	1	1	2	2	1	3	1	2	138	190	105	21.4	2	5	4	46.8	11.6	3.79	1	7
18847	101981	2	3	2	3	2	2	2	1	1	4	138	190	90	29.6	2	5	4	41.8	12.2	3.70	1	9
18848	101982	2	1	1	3	2	2	1	1	1	4	138	190	110	23.8	2	5	4	44.8	13.4	3.58	1	7
18849	101983	2	1	1	3	2	2	1	3	1	2	132	189	105	21.0	2	5	4	44.2	10.9	3.85	1	7
18850	101984	2	2	1	1	2	2	1	1	1	2	147	194	95	15.4	2	5	4	36.5	14.0	3.57	1	5
18851	101985	2	2	1	1	2	2	1	3	1	1	156	194	105	22.2	2	5	4	35.2	13.4	3.58	1	5
18852	101986	2	2	1	1	2	2	1	1	1	4	146	193	100	24.4	2	5	4	35.4	12.9	3.72	1	5
18853	101987	2	2	1	1	2	2	1	3	1	1	153	193	95	22.2	2	5	4	33.5	12.2	3.70	2	7
18854	101988	2	2	1	1	2	2	1	5	1	4	146	191	90	14.0	2	5	4	31.6	11.9	3.78	1	5
18855	101989	2	3	2	3	1	2	2	3	1	4	127	185	75	18.8	1	5	4	35.0	13.1	3.66	1	9
18856	101990	1	3	2	3	1	2	2	3	1	4	128	185	70	21.0	2	5	4	33.2	12.8	3.75	1	9
18857	101991	2	3	1	1	2	2	1	1	1	1	142	190	90	21.8	2	5	4	36.1	11.6	3.87	1	9
18858	101992	2	1	1	1	2	2	1	3	1	1	142	193	95	26.6	2	5	4	42.6	11.7	3.84	1	3
18859	101993	2	1	1	1	2	2	1	1	1	2	142	195	90	22.6	2	5	4	39.2	12.0	3.83	1	3
18860	101994	2	1	1	1	2	2	1	1	1	2	146	195	100	25.6	2	5	4	33.9	12.8	3.67	1	3
18861	101995	2	1	1	1	2	2	1	1	1	4	142	195	95	25.4	2	5	4	33.8	13.6	3.60	1	3
18862	101996	2	1	1	1	2	2	2	1	1	2	149	195	80	23.4	2	5	4	30.4	13.9	3.59	1	1
18863	101997	2	2	1	1	2	2	1	1	1	4	146	195	85	21.0	2	5	4	43.9	10.5	3.80	1	5
18864	101998	2	3	1	3	2	2	2	3	1	4	128	185	90	23.0	2	5	4	41.1	11.4	3.94	1	7
18865	101999	1	3	2	3	2	2	2	3	1	4	128	185	75	25.0	2	5	4	46.0	12.0	3.91	1	9
18866	102000	1	3	2	3	2	2	2	3	1	4	128	185	70	22.8	2	5	4	39.3	11.1	4.14	1	9

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18867	102001	1	3	1	3	2	2	1	3	1	4	128	185	60	23.2	2	5	4	40.7	9.4	4.36	1	9
18868	102002	2	1	1	3	2	2	1	3	1	2	146	190	55	23.2	2	5	4	34.3	9.9	4.04	1	7
18869	102003	2	1	1	1	2	2	1	1	1	2	146	193	75	24.4	2	5	4	30.3	11.5	3.82	1	3
18870	102004	3	1	1	1	2	2	1	1	1	2	144	193	85	25.2	2	5	4	35.2	10.5	4.00	2	5
18871	102005	3	2	1	1	2	2	1	3	1	4	149	193	85	18.8	2	5	4	38.2	11.3	3.89	1	5
18872	102006	1	3	2	3	2	2	2	3	1	4	127	183	80	27.0	2	5	4	42.7	10.1	4.05	1	9
18873	102007	3	2	1	1	2	2	1	3	1	2	146	191	75	17.8	2	5	4	41.8	10.2	4.11	1	5
18874	102008	1	3	2	1	2	2	2	3	1	4	128	184	75	20.8	2	5	4	36.8	11.7	4.01	1	9
18875	102009	1	3	2	1	2	2	2	1	1	2	128	184	70	27.0	2	5	4	35.8	10.8	3.88	1	9
18876	102010	1	3	2	3	2	2	1	1	1	4	128	184	75	21.0	2	5	4	40.1	9.8	4.18	1	9
18877	102011	1	3	2	3	2	2	2	3	1	4	128	184	75	24.6	2	5	4	43.3	10.3	4.17	1	9
18878	102012	1	3	2	3	1	2	1	3	1	4	126	184	75	24.4	2	5	4	42.2	11.4	3.94	1	9
18879	102013	2	3	2	3	1	2	2	3	1	4	126	185	75	28.0	2	5	4	36.7	11.8	3.81	1	9
18880	102014	1	3	2	1	2	2	2	3	1	4	132	185	75	24.0	2	5	4	40.4	10.6	3.86	1	9
18881	102015	3	3	2	1	2	2	2	3	1	4	132	185	65	24.6	2	5	4	38.8	10.3	3.78	1	9
18882	102016	2	2	2	1	2	2	1	1	1	2	149	194	90	20.2	2	5	4	33.9	10.1	3.86	1	5
18883	102017	1	3	2	3	1	2	1	3	1	4	128	185	75	24.8	2	5	4	50.5	11.9	3.94	1	9
18884	102018	2	3	2	1	2	2	2	3	1	4	131	190	70	28.8	2	5	4	43.0	10.6	3.96	1	9
18885	102019	1	3	2	3	2	2	2	3	1	4	126	184	70	29.0	2	5	4	46.1	11.6	3.79	1	9
18886	102020	1	3	2	1	2	2	2	3	1	4	126	186	75	20.4	2	5	4	43.1	12.5	3.84	1	9
18887	102021	-	2	2	1	2	2	2	1	1	1	142	185	75	26.4	2	5	4	35.5	13.0	3.53	2	7
18888	102022	2	1	1	1	2	2	2	5	1	4	138	192	85	24.6	2	5	4	29.8	13.1	3.74	1	7
18889	102023	2	3	2	1	2	2	1	9	1	4	130	194	90	21.4	2	5	4	40.4	12.3	3.73	1	7
18890	102024	2	1	1	3	2	2	1	1	1	2	153	195	95	19.6	2	5	4	33.6	12.6	3.65	1	5
18891	102025	-	3	1	1	2	2	1	1	1	2	156	195	90	20.0	2	5	4	35.4	11.4	3.59	1	3
18892	102026	-	1	1	1	2	2	1	3	1	1	146	192	95	19.6	2	5	4	37.4	10.3	4.17	1	7
18893	102027	2	2	1	1	2	2	1	5	1	4	146	190	85	23.4	2	5	4	41.6	11.3	3.71	1	7
18894	102028	2	3	2	1	2	2	2	3	1	4	128	190	65	24.8	2	5	4	36.5	11.4	3.94	1	9
18895	102029	2	1	1	1	2	2	1	5	1	4	149	194	70	19.4	3	5	4	37.8	11.0	4.00	1	7
18896	102030	-	3	2	3	2	2	2	1	1	4	128	192	75	26.0	2	5	4	39.5	9.5	4.31	1	9
18897	102031	-	3	2	3	2	2	2	1	1	1	127	184	70	28.6	2	5	4	36.7	10.4	4.03	1	9
18898	102032	2	1	1	1	2	2	1	-	1	1	144	196	90	24.8	2	5	4	42.6	9.8	4.18	1	7
18899	102033	2	1	1	1	2	2	1	-	1	4	146	195	90	19.0	2	5	4	38.9	9.9	4.14	1	5
18900	102034	2	1	1	1	2	2	2	-	1	2	149	194	85	19.6	2	5	4	41.8	10.6	3.96	1	5
18901	102035	2	3	2	1	1	2	2	3	1	1	146	193	85	28.6	3	5	4	37.0	10.9	4.03	1	7
18902	102036	2	1	1	1	2	2	1	3	1	4	146	191	90	18.6	2	5	4	40.8	10.6	4.15	1	5
18903	102037	2	1	1	1	2	2	1	-	1	2	146	194	85	21.0	2	5	4	40.4	11.7	4.01	1	3
18904	102038	2	3	2	3	2	2	2	3	1	4	135	184	65	23.4	2	5	4	39.6	10.6	4.33	2	9
18905	102039	2	3	2	3	2	2	2	3	1	4	132	184	60	19.8	2	5	4	42.8	9.7	4.02	1	9
18906	102040	1	3	2	1	2	2	2	3	1	4	132	184	70	25.0	2	5	4	39.5	9.7	4.02	1	9

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TTL	LOD
18907	102041	2	3	2	1	2	2	2	3	1	4	132	185	75	22.0	2	5	4	39.9	9.8	4.18	1	9
18908	102042	2	3	2	1	2	2	2	3	1	4	132	185	75	22.6	2	5	4	44.0	9.8	3.87	1	9
18909	102043	1	3	2	1	1	2	1	3	1	4	127	185	75	24.6	2	5	4	39.6	10.1	4.15	1	9
18910	102044	2	3	2	1	1	2	1	3	1	4	128	185	75	24.0	2	5	4	38.2	10.4	4.13	1	9
18911	102045	2	3	2	3	2	2	2	3	1	4	128	185	70	23.4	2	5	4	41.3	12.2	3.60	1	9
18912	102046	2	3	2	1	2	2	1	3	1	4	127	191	80	30.2	2	5	4	41.2	10.8	3.79	1	9
18913	102047	3	2	2	1	2	2	2	3	1	4	142	190	80	30.2	2	5	4	54.2	12.0	3.75	1	9
18914	102048	3	3	2	1	2	2	2	3	1	4	127	184	70	23.4	2	5	4	56.0	10.8	3.79	1	9
18915	102049	2	3	2	3	2	2	2	3	1	4	125	184	60	26.2	2	5	4	47.1	11.7	3.84	1	9
18916	102050	2	3	2	1	1	2	1	3	1	1	127	185	80	26.4	2	5	4	49.1	10.2	4.21	1	9
18917	102051	1	3	2	3	2	2	2	3	1	4	132	185	60	25.4	2	5	4	47.6	10.6	4.05	1	9
18918	102052	2	3	1	1	2	2	1	3	1	4	138	185	95	17.8	2	5	4	39.2	10.3	3.98	1	9
18919	102053	2	3	2	1	2	2	2	3	1	4	126	186	65	26.2	2	5	4	43.3	12.7	3.62	1	9
18920	102054	2	3	2	3	2	2	2	3	1	1	142	186	80	19.8	2	5	4	44.2	12.4	3.70	1	9
18921	102055	1	3	2	3	2	2	2	3	1	4	126	184	70	24.0	2	5	4	43.6	10.9	3.94	1	9
18922	102056	3	2	1	3	2	2	1	3	1	2	132	184	70	26.2	2	5	4	37.6	10.1	4.15	1	9
18923	102057	1	3	2	1	2	2	2	3	1	4	128	186	70	21.8	2	5	4	44.5	9.9	4.14	2	9
18924	102058	2	2	2	1	2	2	1	3	1	4	132	186	80	22.0	2	5	4	41.2	10.6	4.05	1	9
18925	102059	2	3	2	1	2	2	2	3	1	1	144	186	85	31.4	2	5	4	47.3	10.6	4.05	1	9
18926	102060	2	3	1	3	2	2	1	5	1	4	128	186	95	22.4	2	5	4	43.2	10.5	4.09	1	9
18927	102061	2	2	1	3	2	2	1	5	1	4	132	189	85	21.8	2	5	4	35.0	9.4	3.82	1	9
18928	102062	2	2	1	1	2	2	1	3	1	2	132	190	85	22.4	2	5	4	53.2	10.4	4.03	1	9
18929	102063	2	2	2	1	2	2	1	3	1	4	127	190	95	29.0	2	5	4	48.4	12.3	3.41	1	7
18930	102064	2	2	1	1	2	2	1	3	1	2	132	190	95	17.8	2	5	4	37.9	10.6	3.77	1	7
18931	102065	2	3	1	3	2	2	2	3	1	4	122	175	70	16.0	3	5	4	36.4	12.4	3.62	1	9
18932	102066	2	1	1	3	2	2	1	3	1	4	134	190	80	16.2	2	5	4	43.5	9.8	4.38	1	9
18933	102067	2	1	1	3	2	2	2	5	1	4	128	190	95	16.6	2	5	4	43.9	11.1	3.87	1	7
18934	102068	2	2	1	3	2	2	1	1	1	2	127	189	90	17.0	2	5	4	51.1	10.0	4.30	1	9
18935	102069	2	1	1	3	2	2	1	1	1	2	128	190	80	19.2	2	5	4	40.1	10.6	3.67	1	7
18936	102070	2	3	1	3	2	2	1	1	1	2	135	190	100	23.6	2	5	4	45.7	8.7	4.48	1	7
18937	102071	2	3	1	3	2	2	1	3	1	2	135	192	100	21.0	2	5	4	42.5	9.9	4.34	1	7
18938	102072	2	3	1	3	2	2	1	3	1	2	132	192	100	23.4	2	5	4	48.8	10.3	4.17	1	7
18939	102073	2	3	1	3	2	2	1	3	1	2	135	192	95	21.4	2	5	4	52.3	10.4	4.13	1	9
18940	102074	2	3	1	3	2	2	1	3	1	2	135	192	105	21.4	2	5	4	45.5	10.9	4.12	1	9
18941	102075	2	3	1	3	2	2	1	3	1	2	135	192	95	23.0	2	5	4	41.7	10.4	4.13	1	9
18942	102076	2	3	1	3	2	2	1	3	1	2	138	192	95	24.8	2	5	4	41.1	10.3	4.07	1	9
18943	102077	2	3	1	3	2	2	1	3	1	2	128	192	95	23.0	2	5	4	31.2	10.8	4.07	1	9
18944	102078	1	3	1	3	2	2	1	3	1	2	135	192	100	23.6	2	5	4	43.7	10.0	4.10	1	9
18945	102079	1	3	1	3	2	2	1	3	1	2	138	190	90	27.0	2	5	4	37.7	10.6	4.15	1	7
18946	102080	1	3	1	1	2	2	1	3	1	2	138	190	90	21.8	2	5	4	43.8	10.6	4.24	2	7

KG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18947	102081	2	3	1	3	2	2	1	3	1	4	134	192	95	13.8	2	5	4	38.6	10.7	4.20	1	9
18948	102082	1	3	1	3	2	2	1	3	1	2	135	192	100	16.6	2	5	4	43.1	10.0	4.10	1	9
18949	102083	2	2	1	3	2	2	1	3	1	4	135	190	80	14.0	2	5	4	42.1	10.6	4.33	1	9
18950	102084	2	3	1	1	2	2	2	3	1	4	135	190	85	31.2	2	5	4	29.8	13.1	3.74	1	9
18951	102085	1	1	1	1	2	2	1	3	1	4	146	191	90	19.0	2	5	4	42.9	9.7	4.32	1	5
18952	102086	2	1	1	1	2	2	1	3	1	2	142	191	90	16.6	2	5	4	54.6	10.0	4.30	1	5
18953	102087	2	3	1	3	2	2	1	3	1	2	126	190	90	18.2	2	5	4	40.5	10.5	4.19	1	9
18954	102088	2	2	1	3	2	2	1	3	1	2	138	192	100	18.2	2	5	4	42.1	10.5	4.19	1	9
18955	102089	1	1	1	1	2	2	1	3	1	2	135	192	85	15.4	2	5	4	41.2	11.2	4.10	1	5
18956	102090	2	3	1	1	2	2	1	3	1	2	142	191	110	19.4	2	5	4	39.6	10.1	4.15	1	7
18957	102091	2	2	1	1	2	2	1	3	1	2	138	191	90	16.8	2	5	4	41.4	10.9	4.03	1	7
18958	102092	1	3	1	1	2	2	1	1	1	2	135	192	95	19.2	2	5	4	42.6	9.9	4.14	1	5
18959	102093	1	2	1	1	2	2	1	-	1	4	146	199	115	23.6	2	5	4	43.5	11.6	4.05	1	7
18960	102094	2	2	1	3	2	2	1	3	1	2	138	190	115	15.2	2	5	4	38.4	10.5	4.00	1	7
18961	102095	-	1	1	3	2	2	1	3	1	2	138	192	100	19.0	2	5	4	34.1	10.7	4.20	1	7
18962	102096	2	1	1	3	2	2	1	3	1	4	138	190	100	19.8	2	5	4	34.3	9.8	4.18	1	7
18963	102097	2	3	1	3	2	2	1	3	1	2	142	189	85	17.0	2	5	4	36.4	10.7	4.11	1	7
18964	102098	2	3	1	3	2	2	1	3	1	2	134	189	105	19.6	2	5	4	35.8	10.8	3.98	1	7
18965	102099	2	2	1	3	2	2	1	3	1	4	134	189	115	22.6	2	5	4	36.8	10.4	4.23	1	7
18966	102100	2	2	1	3	2	2	1	3	1	2	138	190	100	23.8	2	5	4	33.8	11.2	4.10	1	7
18967	102101	2	1	1	3	2	2	1	3	1	2	130	185	100	21.6	2	5	4	41.3	11.2	3.92	1	7
18968	102102	-	3	1	3	2	2	1	3	1	4	130	184	100	23.4	2	5	4	37.4	10.4	4.32	1	7
18969	102103	2	2	1	3	2	2	1	5	1	4	142	191	105	24.0	2	5	4	40.7	10.0	4.30	1	5
18970	102104	2	2	1	3	2	2	1	3	1	4	146	190	105	24.6	2	5	4	34.2	10.2	4.11	1	5
18971	102105	2	2	1	3	2	2	1	3	1	1	153	191	110	25.2	2	5	4	35.1	9.9	4.14	1	5
18972	102106	2	2	1	3	2	2	1	3	1	2	134	191	95	16.6	2	5	4	38.1	10.3	4.17	1	9
18973	102107	1	3	2	3	1	2	2	3	1	1	128	184	70	16.8	2	5	4	42.2	10.1	4.15	1	9
18974	102108	2	2	1	3	2	2	1	3	1	1	146	190	110	19.6	2	5	4	37.4	10.7	4.01	2	5
18975	102109	1	3	2	1	2	2	1	1	1	4	128	184	75	21.8	2	5	4	42.0	10.8	3.98	1	9
18976	102110	1	3	2	1	2	2	2	3	1	1	128	189	75	23.8	2	5	4	41.5	11.7	3.84	1	9
18977	102111	3	1	1	3	2	2	1	3	1	2	153	193	95	26.0	2	5	4	33.7	10.8	4.07	1	7
18978	102112	2	3	2	1	2	2	1	3	1	1	138	190	75	31.0	2	5	4	46.4	11.1	3.96	1	9
18979	102113	3	1	1	1	2	2	1	3	1	4	146	193	85	24.0	2	5	4	44.4	9.7	4.22	1	7
18980	102114	2	2	2	3	2	2	2	3	1	1	144	191	90	27.0	2	5	4	44.1	11.2	3.75	1	7
18981	102115	2	1	1	3	2	2	1	3	1	4	128	191	85	21.6	3	5	4	36.3	11.0	3.81	1	7
18982	102116	2	1	1	1	2	2	1	3	1	1	146	191	95	22.0	2	5	4	35.0	11.0	4.09	1	7
18983	102117	3	2	1	3	2	2	1	3	1	4	146	191	95	24.4	2	5	4	35.9	10.9	4.03	1	5
18984	102118	1	3	2	1	1	2	2	3	1	4	132	189	100	27.8	2	5	4	41.1	12.0	3.75	1	5
18985	102119	2	2	1	1	2	2	1	3	1	1	144	201	105	24.8	2	5	4	43.3	11.0	4.09	1	3
18986	102120	1	3	2	1	2	2	2	3	1	4	135	190	100	31.6	2	5	4	41.3	13.1	3.51	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOD	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
18987	102121	2	2	1	1	2	2	1	3	1	2	135	189	100	20.8	2	5	4	50.6	13.6	3.67	1	5
18988	102122	2	3	2	1	2	2	2	3	1	4	138	190	95	28.4	2	5	4	47.2	12.6	3.73	1	5
18989	102123	2	2	1	1	2	2	1	3	1	2	142	190	95	20.0	2	5	4	42.2	12.6	3.57	1	9
18990	102124	2	2	1	3	2	2	1	3	1	4	135	189	80	18.6	2	5	4	37.9	10.9	3.94	1	9
18991	102125	2	3	1	3	1	2	2	3	1	4	135	182	130	24.2	2	5	4	32.3	11.8	3.98	1	5
18992	102126	2	3	2	1	2	2	2	3	1	4	132	183	80	27.6	2	5	4	44.8	10.7	3.92	1	9
18993	102127	1	3	1	1	2	2	1	3	1	4	132	183	85	26.0	2	5	4	43.3	10.8	3.88	1	7
18994	102128	2	3	2	1	2	2	1	3	1	4	146	194	80	28.4	2	5	4	38.3	12.3	3.90	1	5
18995	102129	2	1	1	1	2	2	1	3	1	4	146	194	110	21.8	2	5	4	25.5	13.3	3.75	2	3
18996	102130	2	3	1	3	2	2	1	1	1	1	132	182	105	27.6	2	5	4	27.3	15.2	3.61	1	5
18997	102131	2	3	2	1	2	2	1	1	1	1	134	192	105	24.6	2	5	4	42.0	11.9	3.86	1	5
18998	102132	2	3	1	3	1	2	1	5	1	4	134	190	95	21.4	3	5	4	47.5	10.4	4.13	1	9
18999	102133	2	3	1	-	-	2	2	5	1	4	135	190	110	28.0	3	5	3	29.5	11.4	4.12	1	5
19000	102134	3	3	1	3	2	2	2	5	1	4	138	187	100	27.8	2	5	4	33.6	15.1	3.31	1	9
19001	102135	-	1	2	3	1	2	2	3	1	4	146	191	90	29.0	2	5	4	37.0	11.4	4.03	1	7
19002	102136	2	3	2	1	2	2	2	1	1	4	135	189	90	26.8	2	5	4	35.8	10.3	4.07	1	7
19003	102137	3	3	2	3	2	2	2	3	1	4	128	189	70	27.2	2	5	4	40.0	11.0	4.00	1	9
19004	102138	1	1	1	1	2	2	1	3	1	1	156	193	90	26.0	2	5	4	32.4	10.4	4.32	1	5
19005	102139	1	3	2	1	2	2	2	3	1	4	142	189	110	34.4	2	5	4	49.9	13.6	3.75	1	7
19006	102140	1	3	2	1	2	2	2	3	1	4	134	191	85	34.6	2	5	4	36.5	11.0	4.18	1	7
19007	102141	2	2	1	1	2	2	1	3	1	2	142	189	105	19.4	2	5	4	38.2	10.2	4.21	1	7
19008	102142	2	2	1	1	2	2	1	5	1	2	138	190	115	19.2	2	5	4	42.7	10.6	4.15	1	7
19009	102143	2	3	1	3	2	2	1	3	1	4	138	189	110	22.8	2	5	4	41.0	10.7	4.11	1	7
19010	102144	2	3	1	1	2	2	1	3	1	2	142	191	100	21.4	2	5	4	34.4	11.3	4.07	1	5
19011	102145	2	2	1	1	2	2	1	3	1	4	138	191	95	20.8	2	5	4	33.3	12.2	3.93	1	5
19012	102146	2	2	1	1	2	2	2	3	1	2	153	190	100	18.0	2	5	4	41.5	15.4	3.57	1	5
19013	102147	2	3	1	3	2	2	1	5	1	4	135	183	95	21.4	3	5	4	43.3	9.5	4.31	1	7
19014	102148	2	2	1	3	2	2	1	5	1	4	138	191	95	24.0	3	5	4	47.3	10.0	4.40	1	9
19015	102149	2	2	1	1	2	2	1	5	1	4	135	190	95	28.4	2	5	4	43.5	11.4	3.94	1	7
19016	102150	2	3	1	3	2	2	2	5	1	2	135	181	100	16.0	3	5	4	60.9	11.8	3.89	1	9
19017	102151	2	2	1	3	2	2	1	5	1	4	133	182	100	19.6	3	5	4	50.5	11.4	3.94	1	9
19018	102152	2	3	1	3	2	2	1	3	1	4	135	191	105	20.0	2	5	4	45.7	10.9	4.12	1	9
19019	102153	2	3	1	1	2	2	1	3	1	4	138	191	95	24.0	2	5	4	52.4	10.9	4.03	1	7
19020	102154	2	3	1	1	2	2	1	3	1	2	138	192	105	18.8	3	5	4	45.3	10.5	4.19	1	7
19021	102155	2	3	1	1	2	2	1	3	1	2	138	189	95	18.4	3	5	4	47.7	10.4	4.03	1	7
19022	102156	2	2	1	1	2	2	1	3	1	2	138	190	110	18.2	3	5	4	33.7	10.7	4.11	1	7
19023	102157	2	2	1	3	2	2	1	3	1	2	138	190	100	19.2	3	5	4	44.4	10.6	4.15	1	7
19024	102158	2	3	1	3	2	2	1	3	1	2	138	190	100	21.4	3	5	4	45.1	9.9	4.34	1	7
19025	102159	2	3	1	3	2	2	1	3	1	2	138	191	100	19.8	3	5	4	47.6	10.4	4.23	1	9
19026	102160	2	3	1	3	2	2	1	3	1	4	138	191	95	20.6	2	5	4	44.4	9.9	4.44	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19027	102161	-	1	1	1	2	2	1	1	1	2	146	191	102	17.2	2	5	4	37.9	10.1	4.35	1	5
19028	102162	2	3	1	3	2	2	1	3	1	2	122	178	90	15.4	2	5	4	42.7	12.0	3.91	1	9
19029	102163	2	1	1	1	2	2	1	3	1	2	142	189	105	23.0	2	5	4	32.9	11.5	4.00	1	9
19030	102164	2	2	1	3	2	2	2	3	1	4	130	183	100	13.2	2	5	4	36.9	9.9	4.24	1	9
19031	102165	2	3	1	1	2	2	2	3	1	2	122	179	105	13.2	2	5	4	44.1	12.1	3.88	1	9
19032	102166	2	2	1	1	2	2	1	3	1	2	135	190	95	14.0	2	5	4	42.2	9.9	4.14	1	7
19033	102167	2	2	1	1	2	2	1	3	1	1	149	189	100	21.6	3	5	4	36.3	9.9	4.14	1	7
19034	102168	-	2	1	1	2	2	1	3	1	2	146	189	110	16.6	2	5	4	52.9	10.8	3.70	1	7
19035	102169	-	2	1	1	2	2	2	3	1	4	138	189	110	23.2	2	5	4	38.7	11.4	3.94	1	7
19036	102170	2	2	1	1	2	2	1	3	1	2	138	190	110	20.4	3	5	4	43.6	11.3	3.98	1	5
19037	102171	2	1	1	1	2	2	1	3	1	4	138	190	105	21.0	2	5	4	39.2	11.6	4.13	1	7
19038	102172	2	3	1	1	2	2	1	3	1	4	138	190	115	24.6	2	5	4	37.4	11.2	4.01	1	7
19039	102173	2	3	1	1	2	2	1	3	1	2	146	190	105	22.0	2	5	4	38.1	10.4	4.13	1	7
19040	102174	2	2	1	1	2	2	1	3	1	4	142	190	105	19.2	3	5	4	37.1	11.7	4.10	1	7
19041	102175	2	1	1	3	2	2	1	3	1	2	138	188	110	17.8	2	5	4	38.8	12.2	3.68	1	7
19042	102176	-	3	1	3	2	2	1	3	1	2	134	188	95	20.0	2	5	4	47.1	10.8	4.07	1	7
19043	102177	2	1	1	1	2	2	1	3	1	4	142	190	95	22.2	2	5	4	33.5	12.0	4.08	1	7
19044	102178	2	2	1	1	2	2	1	3	1	4	142	190	105	22.8	2	5	4	40.4	11.7	3.93	1	7
19045	102179	2	2	1	1	2	2	1	3	1	2	138	190	105	18.8	2	5	4	40.1	11.5	3.91	1	7
19046	102180	-	3	1	1	2	2	1	3	1	2	146	189	100	19.0	2	5	4	38.7	10.7	4.20	1	7
19047	102181	2	3	1	1	2	2	1	3	1	2	142	189	105	22.0	2	5	4	33.8	10.9	4.03	1	7
19048	102182	2	3	1	1	2	2	1	-	1	4	146	195	110	21.2	3	5	4	38.7	9.6	4.06	1	7
19049	102183	2	3	1	3	2	2	1	3	1	1	135	190	110	16.2	2	5	4	31.4	11.7	4.10	1	7
19050	102184	2	3	1	3	2	2	1	3	1	4	132	182	95	19.0	2	5	4	34.2	9.6	4.27	1	9
19051	102185	3	3	1	3	2	2	1	3	1	2	135	183	85	14.6	2	5	4	42.7	9.4	4.36	1	7
19052	102186	2	3	1	3	2	2	2	3	1	2	138	184	100	14.2	2	5	4	42.0	9.6	4.37	1	9
19053	102187	2	2	1	1	2	2	1	3	1	2	138	190	95	21.8	2	5	4	41.3	9.1	4.28	1	7
19054	102188	2	2	1	1	2	2	1	3	1	2	158	190	105	19.8	2	5	4	45.9	9.5	4.31	1	3
19055	102189	2	3	1	1	2	2	1	3	1	4	138	190	105	15.2	2	5	4	43.7	9.5	4.31	1	5
19056	102190	2	2	1	1	2	2	1	-	1	4	153	200	100	23.0	3	5	4	39.5	10.5	3.90	1	5
19057	102191	2	3	1	3	2	2	1	3	1	4	132	184	85	20.0	2	5	4	43.7	8.9	4.49	1	9
19058	102192	2	3	1	3	2	2	1	3	1	2	135	185	80	18.8	2	5	4	47.3	10.8	3.98	1	9
19059	102193	2	3	1	3	2	2	1	3	1	4	135	185	95	19.5	2	5	4	42.2	9.9	4.04	1	9
19060	102194	2	1	1	3	2	2	1	3	1	4	128	184	90	15.6	2	5	4	33.8	10.6	3.96	1	9
19061	102195	2	3	1	3	2	2	1	3	1	2	135	190	80	17.0	2	5	4	41.0	10.5	4.28	1	9
19062	102196	2	3	1	1	2	2	1	3	1	2	127	189	100	16.0	2	5	4	36.7	10.9	3.76	1	9
19063	102197	2	1	1	1	2	2	2	3	1	4	146	189	105	25.6	2	5	4	45.0	11.3	3.89	1	7
19064	102198	2	3	2	1	2	2	2	3	1	1	146	189	105	25.4	2	5	4	47.5	11.9	3.78	1	7
19065	102199	2	1	2	1	2	2	2	3	2	4	142	190	100	24.4	2	5	4	43.0	14.5	3.37	1	7
19066	102200	2	3	1	1	2	2	1	3	1	1	142	188	75	18.0	2	5	4	42.9	10.9	3.94	1	9

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19067	102201	3	2	1	1	2	2	1	3	1	1	146	188	90	18.6	2	5	4	42.0	11.4	4.03	1	7
19068	102202	3	2	1	1	2	2	1	1	1	2	142	188	95	23.0	2	5	4	44.0	10.0	4.10	1	7
19069	102203	3	2	1	1	2	2	1	3	1	4	142	188	90	21.0	2	5	4	38.4	10.3	3.98	1	7
19070	102204	3	1	1	1	2	2	1	3	1	1	146	189	95	21.6	2	5	4	43.4	10.0	4.60	1	7
19071	102205	3	2	2	1	2	2	2	3	1	1	146	189	95	29.6	2	5	4	44.6	11.2	4.01	1	7
19072	102206	3	2	2	1	2	2	2	3	2	4	142	188	90	31.2	2	5	4	45.1	11.3	3.89	1	7
19073	102207	3	2	2	1	2	2	2	3	1	1	144	188	100	25.4	2	5	4	41.8	11.9	3.94	1	7
19074	102208	3	2	2	1	2	2	1	3	2	4	142	189	110	27.0	2	5	4	45.2	11.4	3.85	1	7
19075	102209	2	2	1	3	2	2	1	3	1	2	130	184	95	17.4	2	5	4	31.7	12.2	3.93	1	7
19076	102210	2	3	1	1	2	2	2	1	1	2	135	184	95	18.0	2	5	4	52.3	9.3	4.30	1	7
19077	102211	2	2	1	1	2	2	1	3	1	4	135	184	100	20.0	3	5	4	38.6	9.7	4.22	1	7
19078	102212	2	2	1	1	2	2	1	3	1	1	144	190	110	20.6	2	5	4	37.5	11.0	4.09	1	5
19079	102213	2	1	1	3	2	2	1	3	1	1	153	190	100	26.8	3	5	4	33.7	11.5	4.00	1	5
19080	102214	2	1	1	3	2	2	1	5	1	1	142	190	95	30.0	2	5	4	41.7	10.3	4.17	1	7
19081	102215	2	1	1	3	2	2	1	5	1	1	142	189	95	25.9	2	5	4	33.6	11.7	3.93	1	7
19082	102216	2	3	1	1	2	2	1	3	1	2	142	189	85	22.2	2	5	4	36.8	10.2	4.21	1	7
19083	102217	2	2	1	1	2	2	1	3	1	1	146	190	110	25.0	2	5	4	45.8	10.2	4.21	2	5
19084	102218	2	1	1	3	2	2	1	3	1	4	135	184	95	21.4	2	5	4	41.7	10.3	4.07	1	9
19085	102219	2	1	1	3	2	2	1	3	1	4	135	184	95	16.2	2	5	4	39.2	9.4	3.82	1	9
19086	102220	2	1	1	1	2	2	1	3	1	2	146	189	80	20.6	2	5	4	31.2	11.8	3.89	1	9
19087	102221	2	2	2	1	2	2	1	3	1	4	142	189	90	29.0	2	5	4	48.0	11.7	3.93	1	7
19088	102222	2	2	1	1	2	2	1	3	1	2	132	189	80	23.8	2	5	4	42.0	10.8	4.16	1	7
19089	102223	3	1	1	1	2	2	1	5	1	2	146	190	100	23.8	2	5	4	35.3	10.4	4.03	1	7
19090	102224	2	1	1	1	2	2	1	3	1	2	144	190	95	24.0	2	5	4	40.9	10.6	4.05	1	7
19091	102225	2	2	1	1	2	2	1	3	1	4	144	190	80	23.6	2	5	4	38.7	11.5	3.91	1	7
19092	102226	2	2	1	3	2	2	1	1	1	2	132	188	95	19.0	2	5	4	40.5	11.1	4.14	1	7
19093	102227	2	1	1	1	2	2	2	1	1	1	149	190	105	21.6	2	5	4	32.2	10.7	4.01	1	5
19094	102228	2	2	1	1	2	2	1	3	1	2	138	189	95	15.6	2	5	4	38.4	12.7	3.77	1	5
19095	102229	2	1	1	1	2	2	1	3	1	2	138	189	105	19.8	2	5	4	46.3	10.7	4.01	1	5
19096	102230	1	3	2	1	2	2	1	3	1	4	135	189	95	33.6	2	5	4	41.8	9.5	3.89	2	7
19097	102231	3	2	1	1	2	2	1	3	1	2	138	192	90	21.2	2	5	4	35.3	10.5	4.09	1	7
19098	102232	3	1	1	1	2	2	1	1	1	2	144	190	95	27.2	2	5	4	32.9	11.1	3.78	1	5
19099	102233	3	2	1	1	2	2	1	3	1	2	146	190	105	22.4	2	5	4	36.0	11.3	3.98	1	5
19100	102234	2	3	1	1	2	2	1	-	1	4	146	192	105	22.0	2	5	4	32.6	10.7	4.11	1	7
19101	102235	2	2	1	3	2	2	1	-	1	2	130	194	90	22.8	3	5	4	36.7	10.9	4.12	1	5
19102	102236	-	2	1	3	2	2	1	3	1	2	130	189	90	15.2	2	5	4	30.9	10.9	4.12	1	7
19103	102237	2	2	1	1	2	2	1	3	1	2	135	189	85	17.0	2	5	4	42.5	9.6	4.37	1	7
19104	102238	2	3	1	3	2	2	1	3	1	2	135	188	100	21.2	2	5	4	37.5	10.5	4.28	1	7
19105	102239	2	3	1	3	2	2	1	3	1	4	134	188	95	15.2	2	5	4	34.3	9.7	4.32	1	7
19106	102240	2	3	1	3	2	2	1	5	1	4	130	188	95	20.4	2	5	4	42.7	10.7	4.11	1	7

IG	ICB	GHA	GCL	RNO	ACD	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19107	102241	2	2	2	1	2	2	2	7	2	3	146	191	95	17.8	2	5	4	58.3	11.5	4.08	1	5
19108	102242	1	3	2	1	2	2	2	3	1	4	135	190	100	31.8	2	5	4	38.3	10.5	4.19	1	7
19109	102243	2	1	1	1	2	2	1	3	1	2	142	189	80	17.2	2	5	4	38.8	10.4	4.03	1	7
19110	102244	2	2	2	1	2	2	1	3	1	1	142	190	100	29.4	2	5	4	44.3	12.7	3.77	1	7
19111	102245	3	2	1	1	2	2	1	3	1	4	142	190	110	19.6	2	5	4	36.4	11.3	3.80	1	5
19112	102246	1	2	1	1	2	2	1	3	1	4	133	191	90	22.6	2	5	4	43.4	11.8	3.81	1	5
19113	102247	3	3	2	1	2	2	2	3	1	4	135	188	85	32.4	2	5	4	38.7	11.3	3.89	1	9
19114	102248	1	3	2	3	2	2	2	1	1	4	128	188	100	22.8	2	5	4	44.7	12.6	3.88	1	9
19115	102249	1	1	2	1	2	2	1	3	1	4	132	189	85	11.0	2	5	4	40.5	10.6	4.05	1	9
19116	102250	2	1	1	1	2	2	1	-	1	2	151	194	90	24.8	2	5	4	40.1	12.1	3.96	1	5
19117	102251	3	1	1	1	2	2	1	5	1	2	151	191	90	28.4	2	5	4	30.3	12.4	3.70	1	3
19118	102252	3	1	1	1	2	2	1	5	1	1	146	191	90	24.0	2	5	4	33.2	10.8	4.07	1	5
19119	102253	3	1	1	1	2	2	1	5	1	1	146	191	95	22.4	2	5	4	32.8	10.5	4.19	1	5
19120	102254	1	3	1	1	2	2	1	1	1	4	134	188	105	21.8	2	5	4	25.0	11.7	4.10	1	7
19121	102255	2	3	1	3	2	2	1	3	1	4	135	189	110	22.0	2	5	4	33.0	11.0	4.18	1	7
19122	102256	-	3	1	3	2	2	1	1	1	4	135	189	105	22.4	2	5	4	24.7	12.6	3.96	1	7
19123	102257	2	2	1	3	2	2	1	3	1	4	125	189	95	22.2	2	5	4	36.6	11.2	4.19	1	7
19124	102258	2	3	2	1	2	2	2	1	1	4	138	190	95	29.0	2	5	4	39.2	12.6	3.65	1	5
19125	102259	1	3	2	1	2	2	2	1	1	4	138	190	100	29.4	1	5	4	45.1	12.2	3.85	1	5
19126	102260	2	3	2	1	2	2	2	1	1	4	138	189	105	26.0	2	5	4	40.9	12.6	3.73	1	5
19127	102261	1	1	1	3	2	2	1	-	1	2	138	194	105	24.2	2	5	4	40.6	12.0	3.91	1	5
19128	102262	2	3	1	3	2	2	1	3	1	4	123	189	85	24.2	2	5	4	34.8	12.4	3.95	1	7
19129	102263	1	3	2	1	2	2	2	3	1	4	132	188	80	28.6	2	5	4	42.2	12.5	3.76	1	7
19130	102264	2	3	2	1	2	2	1	3	1	4	134	189	90	34.6	1	5	4	43.1	12.6	3.73	1	7
19131	102265	2	3	1	3	2	2	1	3	1	1	135	188	100	19.4	2	5	4	24.6	14.5	3.72	1	7
19132	102266	1	3	2	1	2	2	2	3	1	4	131	188	90	29.2	1	5	4	36.4	13.3	3.68	1	7
19133	102267	1	3	2	1	2	2	2	3	1	4	135	189	85	32.0	2	5	4	37.0	12.1	3.71	1	7
19134	102268	2	3	2	1	2	2	2	3	1	4	138	189	95	23.0	2	5	4	42.8	12.5	3.92	1	3
19135	102269	2	2	2	1	2	2	2	3	1	4	135	190	90	28.6	2	5	4	42.5	12.7	3.70	1	5
19136	102270	2	3	2	1	2	2	2	3	1	1	138	189	80	29.8	2	5	4	42.3	12.8	3.75	1	7
19137	102271	2	3	1	1	2	2	2	1	1	4	138	189	90	33.2	2	5	4	40.2	11.8	3.89	1	5
19138	102272	2	3	2	1	2	2	2	3	1	4	128	189	90	27.0	2	5	4	41.3	13.9	3.59	1	5
19139	102273	2	3	2	1	2	2	2	3	1	4	135	188	90	27.0	2	5	4	40.4	12.7	3.70	1	5
19140	102274	2	3	2	1	2	2	2	3	1	4	135	189	75	26.8	2	5	4	38.6	12.7	3.85	1	5
19141	102275	2	3	2	1	2	1	2	3	1	4	135	189	85	27.6	2	5	4	39.4	14.6	3.42	1	5
19142	102276	2	3	3	-	-	2	2	1	1	4	135	188	100	29.0	2	5	1	43.2	13.0	3.76	1	3
19143	102277	1	2	2	1	2	2	1	3	1	4	142	189	95	31.6	2	5	4	43.0	12.7	3.77	1	7
19144	102278	2	2	1	3	2	1	1	1	1	4	135	188	100	28.8	2	5	4	22.7	12.3	3.82	1	7
19145	102279	2	2	1	3	2	1	1	3	1	4	125	186	80	22.8	2	5	4	29.5	11.8	3.81	1	5
19146	102280	1	2	1	3	2	1	2	1	1	4	137	183	90	27.2	3	5	4	39.4	11.8	3.89	2	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19147	102281	2	3	2	3	2	1	1	1	1	2	128	188	90	25.0	2	5	4	45.0	16.4	3.29	1	7
19148	102282	2	3	1	3	2	1	1	1	1	2	135	188	80	23.8	2	5	4	47.0	14.2	3.45	1	7
19149	102283	1	3	1	1	2	1	2	1	1	4	135	184	105	27.6	2	5	4	24.6	13.5	3.85	1	7
19150	102284	2	3	1	1	2	1	2	1	1	4	135	192	90	22.0	2	5	4	16.2	12.9	3.95	1	7
19151	102285	-	3	1	1	2	1	2	1	1	4	135	188	85	24.2	2	5	4	-	12.9	3.72	1	7
19152	102286	2	2	1	3	2	2	2	3	1	2	135	188	90	20.0	2	5	4	44.1	10.5	4.09	1	7
19153	102287	2	2	1	1	2	2	1	1	1	4	142	189	95	21.2	2	5	4	39.3	9.8	4.18	1	7
19154	102288	2	2	1	1	2	2	1	1	1	4	142	189	100	23.0	2	5	4	31.8	11.5	4.00	1	7
19155	102289	2	2	1	3	2	2	1	3	1	2	135	188	95	22.2	2	5	4	39.8	10.4	4.23	1	7
19156	102290	2	2	1	3	2	2	1	1	1	2	135	189	100	26.2	2	5	4	41.3	11.5	4.00	1	7
19157	102291	2	3	2	1	2	2	1	3	1	4	135	189	80	27.8	2	5	4	45.2	12.1	3.96	1	7
19158	102292	1	3	2	1	1	2	1	1	1	4	142	189	105	32.4	2	5	4	42.5	13.7	3.43	1	7
19159	102293	3	1	1	1	2	2	1	3	1	1	146	190	90	18.2	2	5	4	30.1	11.1	4.05	1	5
19160	102294	2	1	1	1	2	2	1	3	1	1	162	190	105	17.8	2	5	4	30.5	11.1	4.05	2	5
19161	102295	2	3	2	1	2	2	2	3	1	4	138	189	90	27.0	2	5	4	39.1	11.8	3.81	1	7
19162	102296	1	3	1	1	2	2	2	3	1	1	135	190	85	22.0	2	5	4	27.0	12.7	3.93	1	7
19163	102297	1	3	2	1	2	2	1	3	1	2	142	189	70	26.0	2	5	4	49.2	13.7	3.79	1	7
19164	102298	1	3	2	1	2	2	1	3	1	4	138	189	80	30.6	2	5	4	43.3	11.8	3.72	1	7
19165	102299	3	1	1	3	2	2	1	5	1	1	142	189	80	18.2	2	5	4	33.5	10.5	4.09	1	7
19166	102300	2	2	1	3	2	2	1	3	1	2	135	184	85	16.4	2	5	4	40.7	11.3	3.98	1	7
19167	102301	3	2	1	3	2	2	1	3	1	4	138	189	100	19.2	2	5	4	41.3	11.6	3.79	1	7
19168	102302	3	1	1	1	2	2	1	3	1	1	146	191	100	24.6	2	5	4	46.6	10.4	4.23	1	5
19169	102303	2	2	1	3	2	2	1	3	1	2	135	189	75	16.0	2	5	4	47.3	10.6	4.15	1	9
19170	102304	3	1	1	3	2	2	1	3	1	4	142	189	100	17.4	3	5	4	48.3	10.9	4.03	1	9
19171	102305	-	3	2	1	2	2	2	3	1	4	128	189	70	18.6	2	5	4	41.4	11.8	4.06	1	9
19172	102306	-	2	1	1	2	2	1	3	1	2	146	190	85	18.8	2	5	4	43.6	12.3	3.73	1	5
19173	102307	2	2	1	1	2	2	1	1	1	2	146	190	80	21.6	2	5	4	43.1	10.1	4.25	1	5
19174	102308	-	2	2	1	1	2	2	3	1	4	146	190	85	26.6	2	5	4	52.6	11.6	4.05	1	9
19175	102309	-	2	1	1	2	2	1	3	1	2	146	189	75	20.0	2	5	4	33.6	11.3	3.98	1	9
19176	102310	-	2	2	1	2	2	2	3	1	1	135	189	90	26.4	2	5	4	47.5	12.5	3.76	1	9
19177	102311	-	3	2	3	2	2	1	3	1	4	135	189	75	23.8	2	5	4	35.4	12.9	3.79	1	9
19178	102312	-	2	1	1	2	2	1	3	1	1	146	190	100	24.8	2	5	4	41.5	12.0	3.91	1	5
19179	102313	-	2	2	1	2	2	2	3	1	4	146	189	85	27.8	2	5	4	45.4	10.9	3.85	1	9
19180	102314	-	3	2	1	2	2	2	3	1	1	146	190	85	32.2	2	5	4	43.8	10.6	3.96	1	7
19182	102315	2	2	1	3	2	2	1	3	1	4	126	189	90	19.8	2	5	4	37.4	12.3	3.90	1	7
19183	102316	2	3	1	3	1	2	1	3	1	4	135	184	110	19.6	2	5	4	41.1	11.4	3.85	1	7
19184	102317	2	3	2	1	2	2	2	3	1	4	138	190	100	27.8	2	5	4	38.3	13.7	3.72	1	5
19185	102318	2	3	2	1	2	2	2	-	1	4	142	195	90	27.4	2	5	4	43.3	12.3	3.65	1	7
19186	102319	2	2	1	9	1	2	2	7	2	3	146	190	95	20.4	2	5	4	40.8	14.0	3.71	1	5
19187	102320	-	2	1	1	2	2	1	5	1	1	135	189	95	19.0	3	5	4	40.1	13.7	3.72	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19188	102321	2	3	2	3	1	2	2	3	1	1	132	188	110	29.4	2	5	4	46.7	13.5	3.70	1	5
19189	102322	1	3	3	9	2	2	2	7	2	3	127	174	100	18.2	1	4	4	43.0	14.1	3.61	1	7
19190	102323	1	3	2	9	2	2	1	7	2	3	127	184	90	24.4	3	5	4	55.5	12.8	3.75	2	5
19191	102324	1	3	1	9	2	2	1	7	2	3	130	184	95	20.0	3	5	4	32.3	12.5	3.84	2	5
19192	102325	1	3	2	1	2	2	2	3	1	1	135	190	80	30.0	2	5	4	21.2	11.0	4.09	1	7
19193	102326	1	3	1	1	1	2	2	3	1	4	113	194	90	24.0	2	5	4	32.5	13.3	3.68	1	3
19194	102327	1	3	2	1	2	2	2	3	1	1	135	190	90	33.2	2	5	4	34.4	12.2	3.85	1	7
19195	102328	1	3	2	1	2	2	2	3	1	4	130	189	90	30.2	2	5	4	32.6	11.5	3.82	1	7
19196	102329	1	3	1	3	2	2	1	1	1	4	124	184	105	23.0	2	5	4	28.9	13.7	3.64	1	7
19197	102330	1	3	1	3	2	2	2	3	1	2	124	186	85	22.0	3	5	4	26.6	11.8	3.98	1	9
19198	102331	2	1	1	3	2	2	1	3	1	1	153	191	90	28.0	3	5	4	32.8	11.9	3.86	1	5
19199	102332	2	2	1	1	2	2	1	3	1	2	142	190	110	17.0	2	5	4	33.8	13.5	3.85	1	7
19200	102333	2	3	2	1	2	2	2	3	1	1	135	190	85	29.0	2	5	4	32.6	12.4	3.79	1	7
19201	102334	2	3	2	1	2	2	2	-	1	1	146	195	100	27.0	2	5	4	41.7	12.0	3.75	1	5
19202	102335	2	1	1	3	2	2	2	3	1	4	138	190	95	25.8	2	5	4	41.4	11.4	3.77	1	9
19203	102336	2	3	2	1	2	2	2	3	1	4	135	189	95	22.4	2	5	4	38.2	12.1	3.80	1	9
19204	102337	1	3	2	3	2	2	1	3	1	1	128	189	100	22.8	2	5	4	39.8	11.2	3.97	2	9
19205	102338	-	-	2	1	2	1	1	3	1	4	131	189	95	21.2	2	5	4	34.0	12.4	3.54	1	9
19206	102339	1	3	2	-	-	1	1	9	2	3	128	184	105	28.2	2	5	3	40.8	13.3	3.75	1	5
19207	102340	2	3	2	1	2	1	2	1	1	4	127	183	95	24.4	2	5	4	43.0	11.4	3.85	1	7
19208	102341	-	3	1	3	2	1	2	3	1	2	135	183	75	18.8	2	5	4	31.5	11.2	3.92	1	9
19209	102342	3	2	1	1	2	2	1	3	1	1	146	189	90	26.0	3	5	4	33.8	11.0	4.09	1	7
19210	102343	1	3	1	3	2	2	2	3	1	4	125	179	80	22.0	3	5	4	27.6	11.2	3.92	1	7
19211	102344	1	2	1	3	2	2	2	5	1	4	138	185	90	25.0	3	5	4	33.9	10.6	4.15	1	5
19212	102345	2	3	2	1	2	1	2	5	1	2	132	191	95	28.6	2	5	4	39.5	14.6	3.56	1	5
19213	102346	1	3	1	9	2	2	1	7	2	4	127	187	105	24.0	2	5	4	42.8	12.2	3.85	1	5
19214	102347	2	3	2	1	2	2	1	3	1	4	122	190	105	21.6	1	5	4	35.6	11.1	3.78	1	5
19215	102348	1	3	1	1	2	2	2	9	2	4	122	182	105	26.0	3	4	4	39.7	10.5	4.09	1	9
19216	102349	1	3	1	1	2	2	2	3	2	4	127	183	110	22.0	3	4	4	38.9	10.5	4.19	1	9
19217	102350	1	3	3	1	2	2	1	3	2	4	122	185	105	25.6	1	5	4	15.2	13.8	3.62	1	9
19218	102351	1	3	2	-	-	1	1	9	1	3	127	188	110	28.0	2	5	3	40.5	12.0	4.00	2	9
19219	102352	2	2	2	9	1	2	1	7	2	3	146	190	110	21.2	2	5	4	39.6	14.2	3.59	1	5
19220	102353	1	3	2	1	1	2	2	5	1	4	133	184	110	23.8	1	5	4	56.1	12.8	3.75	1	9
19221	102354	1	3	1	1	2	2	1	3	1	4	132	191	65	22.8	2	5	4	39.9	13.3	3.60	1	9
19222	102355	1	3	1	3	1	2	2	3	1	4	125	191	75	18.4	2	5	4	30.9	10.9	4.12	1	9
19223	102356	1	3	1	3	2	1	2	7	2	4	132	191	95	22.0	1	5	4	34.1	10.9	3.94	1	9
19224	102357	1	3	1	3	1	2	1	3	1	4	125	192	65	16.2	2	5	4	32.7	11.4	4.03	1	9
19225	102358	1	3	1	9	2	2	1	7	2	3	127	192	95	23.6	2	5	4	38.2	12.5	4.00	1	5
19226	102359	1	3	3	9	2	2	1	7	2	3	132	189	85	28.2	2	5	4	42.5	11.2	4.01	1	5
19227	102360	2	2	1	3	2	2	1	5	1	1	127	189	90	17.2	3	5	4	37.4	13.1	3.74	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GOD	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19228	102361	1	3	-	3	2	2	1	9	2	4	113	177	95	23.4	1	4	4	49.1	12.1	3.88	1	9
19229	102362	1	3	-	1	2	2	2	3	1	2	124	175	100	24.0	1	4	4	43.7	12.1	3.88	1	7
19230	102363	1	3	-	3	2	2	2	3	2	2	124	175	85	26.0	1	5	4	35.8	12.6	3.88	1	9
19231	102364	2	3	-	3	2	2	2	3	1	4	125	177	90	26.0	1	5	4	42.1	11.9	3.94	1	9
19231	102365	1	3	1	3	2	2	1	7	2	3	134	190	80	25.2	2	5	4	54.5	11.6	3.96	2	9
19232	102366	1	3	1	3	2	2	2	3	1	4	124	189	105	23.8	2	5	4	40.6	12.1	3.96	1	7
19233	102367	1	3	2	1	2	1	1	1	1	4	132	189	95	28.0	3	5	4	45.7	14.2	3.66	1	5
19234	102368	1	3	2	1	2	1	1	1	1	4	122	175	110	25.8	1	4	4	43.1	14.2	3.52	1	5
19235	102369	2	2	1	3	2	2	1	3	1	4	138	191	95	22.4	2	5	4	36.8	10.3	4.07	1	7
19236	102370	2	3	1	3	2	2	2	3	1	4	128	188	75	20.0	2	5	4	26.9	12.4	3.79	1	9
19237	102371	1	3	1	3	2	2	2	3	1	4	124	188	85	21.4	2	5	4	29.6	12.4	3.80	1	9
19238	102372	2	1	1	1	2	2	2	5	1	2	142	188	100	24.2	2	5	4	31.2	11.5	3.91	1	7
19239	102373	1	2	1	1	2	2	2	3	1	4	142	189	85	22.4	2	5	4	31.9	11.5	4.00	1	9
19240	102374	1	2	1	1	2	2	2	3	1	4	138	189	85	22.0	2	5	4	25.6	11.7	4.01	1	7
19241	102375	1	3	1	3	2	2	2	3	1	4	124	189	75	17.0	2	5	4	31.5	12.2	3.93	1	9
19242	102376	2	1	1	3	2	2	2	3	1	4	138	188	100	24.6	2	5	4	40.2	12.5	3.84	1	9
19243	102377	2	2	-	3	2	2	1	3	1	4	127	188	100	24.4	2	5	4	30.6	11.9	3.94	1	7
19244	102378	2	3	2	1	2	2	1	1	1	2	138	188	105	20.4	2	5	4	32.5	12.0	3.91	1	7
19245	102379	1	1	1	3	2	2	2	3	1	2	115	188	85	22.0	2	5	4	40.6	13.5	3.77	1	7
19246	102380	1	3	1	1	2	2	1	3	1	4	122	189	90	25.6	2	5	4	27.9	12.3	3.82	1	9
19247	102381	2	3	1	1	2	2	2	3	1	4	133	188	100	20.8	2	5	4	30.8	12.7	3.77	1	5
19248	102382	2	3	2	1	2	2	2	3	1	4	132	190	95	28.8	2	5	4	45.8	12.5	3.68	1	7
19249	102383	2	3	2	1	2	2	2	3	1	4	138	190	100	29.4	2	5	4	40.8	13.5	3.70	1	5
19250	102384	2	3	2	1	2	2	2	3	1	4	142	190	95	30.8	2	5	4	43.1	13.4	3.65	1	7
19251	102385	2	2	1	1	2	2	2	3	1	4	120	190	100	30.6	2	5	4	33.8	13.2	3.71	1	5
19252	102386	2	3	2	1	2	2	2	3	1	4	138	190	100	26.6	2	5	4	42.2	13.5	3.62	1	5
19253	102387	1	3	2	1	2	2	2	3	1	1	135	189	110	31.0	1	5	4	41.5	13.0	3.69	1	5
19254	102388	2	3	2	1	2	2	2	3	1	1	142	190	75	30.6	2	5	4	36.2	12.0	3.91	1	7
19255	102389	2	3	2	1	2	2	2	3	1	1	142	189	115	28.4	2	5	4	39.4	11.5	3.91	1	7
19256	102390	2	2	1	1	2	2	1	1	1	4	138	189	105	15.2	2	5	4	41.9	11.1	4.05	1	7
19257	102391	3	1	1	1	2	2	1	3	1	2	146	189	110	27.4	2	5	4	31.6	10.4	4.13	1	9
19258	102392	1	3	2	1	2	1	1	3	1	4	126	189	100	16.0	2	5	4	46.8	11.8	3.89	1	7
19259	102393	2	2	2	1	2	2	1	3	1	2	135	189	100	20.2	2	5	4	42.5	10.5	4.28	1	7
19260	102394	1	3	1	1	2	2	1	3	1	4	128	183	105	22.8	2	5	4	28.9	13.0	3.84	1	5
19261	102395	1	3	2	1	2	2	2	3	1	1	142	187	85	24.5	2	5	4	40.3	11.9	3.86	1	5
19262	102396	1	3	2	1	2	2	2	3	1	1	139	190	95	26.0	3	5	4	48.8	12.3	3.82	1	7
19263	102397	2	3	2	1	2	2	1	3	1	4	132	189	95	25.4	2	5	4	47.9	11.3	3.80	1	7
19264	102398	1	3	2	1	2	2	1	3	1	4	132	189	95	27.0	2	5	4	48.9	12.2	3.70	1	7
19265	102399	2	3	2	1	2	2	2	3	1	4	126	189	85	22.6	2	5	4	45.0	13.0	3.69	1	5
19266	102400	1	2	1	3	2	2	2	-	1	2	135	195	85	30.0	2	5	4	33.0	11.8	3.81	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19267	102401	2	2	1	3	2	2	1	1	1	2	132	153	90	21.2	2	5	4	40.9	10.6	3.96	1	7
19268	102402	1	2	-	3	2	2	1	3	1	2	128	190	100	19.2	1	5	4	42.2	10.7	4.01	1	7
19269	102403	1	3	1	1	2	1	2	3	1	4	146	190	90	21.4	2	5	4	25.3	13.7	3.57	1	7
19270	102404	1	3	2	1	2	2	2	3	1	4	146	189	105	32.0	2	5	4	41.3	11.6	3.87	1	7
19271	102405	1	3	2	1	2	2	2	1	1	4	138	189	100	31.2	2	5	4	40.4	11.8	3.81	2	7
19272	102406	-	3	1	1	2	1	2	3	1	4	135	184	100	18.0	2	5	4	27.7	12.8	3.67	1	7
19273	102407	2	3	2	1	2	2	2	3	1	4	135	188	105	28.6	2	5	4	40.3	11.1	3.87	1	7
19274	102408	3	2	2	1	2	2	2	5	2	4	146	189	100	30.0	2	5	4	47.8	10.1	4.05	1	7
19275	102409	2	3	2	1	2	2	2	3	1	4	138	189	105	23.2	2	5	4	38.1	12.1	3.88	1	7
19276	102410	2	2	1	3	2	2	2	-	1	1	146	194	115	21.8	2	5	4	44.1	10.2	4.11	1	9
19277	102411	2	2	2	1	2	2	1	3	1	1	138	189	120	32.2	3	5	4	62.8	10.6	4.05	1	9
19278	102412	2	3	2	1	2	2	1	3	1	4	134	189	115	31.4	3	5	4	44.2	11.5	3.91	1	5
19279	102413	1	3	2	1	2	2	1	3	1	4	128	190	110	25.2	1	5	4	41.0	11.5	3.91	1	5
19280	102414	3	2	1	1	2	2	1	-	1	2	142	194	90	13.6	3	5	4	27.6	11.6	3.87	1	7
19281	102415	1	3	2	1	2	2	2	3	1	4	133	190	110	30.6	2	5	4	41.8	12.3	3.73	1	9
19282	102416	1	3	2	1	2	2	2	3	1	1	138	192	90	31.4	3	5	4	42.2	10.8	4.07	1	5
19283	102417	1	3	2	3	2	2	2	3	1	4	132	187	90	24.6	2	5	4	30.3	11.8	3.81	1	7
19284	102418	1	3	2	1	2	2	2	3	1	1	135	188	100	31.0	2	5	4	39.4	10.1	4.15	1	9
19285	102419	2	3	1	1	2	2	2	5	1	4	134	182	85	25.4	3	5	4	25.4	11.6	4.05	1	7
19286	102420	2	3	3	-	-	2	2	3	1	4	128	189	110	27.8	2	5	1	32.2	10.9	3.94	1	7
19287	102421	2	3	2	1	2	2	2	3	1	1	128	189	105	29.8	2	5	4	39.0	10.9	3.94	1	7
19288	102422	2	3	2	1	2	2	2	3	1	1	134	190	100	30.6	2	5	4	35.2	10.9	3.94	1	9
19289	102423	2	3	2	1	2	2	2	3	1	1	128	190	110	26.2	2	5	4	43.9	11.7	3.67	1	9
19290	102424	2	3	2	1	2	2	2	3	1	4	135	190	95	31.2	2	5	4	42.2	11.5	3.91	1	5
19291	102425	3	1	1	1	2	2	1	-	1	2	163	195	105	18.8	2	5	4	38.9	11.0	4.00	2	5
19292	102426	2	3	2	1	2	2	2	3	1	4	138	190	90	33.4	2	5	4	37.3	11.8	3.81	1	7
19293	102427	2	3	2	3	2	2	2	3	1	1	138	190	105	15.2	2	5	4	40.5	10.6	3.86	1	7
19294	102428	2	2	2	1	2	2	2	3	1	1	128	188	110	25.4	2	5	4	37.5	11.7	3.76	1	7
19295	102429	2	3	1	3	2	2	1	3	1	4	135	189	95	13.4	2	5	4	43.8	9.8	4.18	1	7
19296	102430	3	1	1	3	2	2	1	3	1	2	138	188	110	20.0	2	5	4	40.2	9.7	4.12	1	5
19297	102431	2	3	2	1	2	2	1	3	1	1	132	184	110	29.4	2	4	4	57.5	13.3	3.68	1	7
19298	102432	2	3	1	1	2	2	1	3	1	4	132	184	100	19.4	2	5	4	39.5	12.8	3.51	1	7
19299	102433	2	3	2	3	2	2	1	3	1	1	132	189	105	21.2	2	5	4	45.8	11.8	3.81	1	5
19300	102434	3	1	1	3	2	2	1	5	1	1	156	190	95	26.0	3	5	4	33.8	11.6	3.87	1	5
19301	102435	3	1	1	1	2	2	1	5	1	1	153	190	90	21.6	3	5	4	24.5	12.5	3.84	1	5
19302	102436	3	1	1	3	2	2	1	5	1	1	153	190	95	22.0	3	5	4	31.0	11.9	3.86	1	7
19303	102437	3	1	1	3	2	2	1	5	1	1	153	189	95	20.4	2	5	4	40.5	11.8	3.89	1	7
19304	102438	3	1	1	1	2	2	1	5	1	1	149	189	100	16.4	2	5	4	40.6	10.1	3.96	1	7
19305	102439	3	1	1	1	2	2	1	5	1	4	144	189	95	23.4	2	5	4	42.5	11.2	4.01	1	5
19306	102440	2	1	1	1	2	2	2	5	1	4	144	189	100	21.2	2	5	4	44.3	10.6	4.15	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19307	102441	-	3	1	-	-	2	1	7	2	3	146	193	110	26.4	2	5	1	40.4	11.5	4.08	1	9
19308	102442	1	3	1	3	2	1	2	3	1	2	122	189	90	23.2	2	5	4	38.9	11.5	3.73	1	9
19309	102443	2	3	1	3	2	2	2	3	1	2	135	189	80	18.0	2	5	4	35.4	10.5	4.19	1	9
19310	102444	2	1	2	3	1	2	2	3	1	1	142	191	105	23.8	2	5	4	44.2	12.8	3.75	1	7
19311	102445	-	1	1	1	2	2	1	3	1	4	146	191	100	21.4	2	5	4	36.3	11.6	3.96	1	9
19312	102446	2	3	2	3	2	2	2	3	1	1	135	189	100	34.0	2	5	4	41.6	12.1	3.88	1	9
19313	102447	2	3	2	3	2	2	2	3	1	4	135	189	115	29.6	2	5	4	40.8	11.4	3.85	1	5
19314	102448	-	3	1	3	2	2	1	3	1	1	135	182	125	23.0	2	5	4	27.1	12.4	3.79	1	7
19315	102449	-	3	2	3	2	2	1	3	1	1	135	191	100	34.8	2	5	4	35.5	12.4	3.70	1	7
19316	102450	2	3	2	3	2	2	2	3	1	4	130	189	115	24.8	2	5	4	44.1	14.1	3.68	1	7
19317	102451	2	3	2	3	2	2	2	3	1	4	142	189	100	26.0	2	5	4	38.8	12.8	3.82	1	9
19318	102452	2	3	2	1	2	2	2	3	1	4	135	189	105	31.2	2	5	4	46.0	13.1	3.66	1	7
19319	102453	-	3	1	3	2	2	1	3	1	1	135	175	100	16.0	2	5	4	24.7	12.6	3.88	1	9
19320	102454	1	3	2	1	2	2	2	3	1	4	146	190	105	24.2	2	5	4	44.2	11.6	3.70	1	7
19321	102455	2	3	2	1	2	2	2	3	1	1	151	190	95	15.0	2	5	4	39.2	10.8	3.88	1	9
19322	102456	2	3	2	1	2	2	1	3	1	1	142	190	100	28.6	2	5	4	37.6	16.1	3.41	1	7
19323	102457	2	3	2	1	1	2	1	3	1	1	138	188	105	33.0	2	5	4	40.4	11.4	3.94	1	5
19324	102458	2	3	2	1	2	2	2	3	1	1	142	189	100	24.4	2	5	4	41.2	12.1	3.63	1	5
19325	102459	-	3	2	1	2	2	2	3	1	4	142	189	105	31.2	2	5	4	46.8	11.6	3.79	1	5
19326	102460	-	3	2	1	2	2	2	3	1	4	146	180	90	27.4	2	5	4	38.8	11.3	3.80	1	7
19327	102461	2	3	2	1	2	2	2	3	1	4	133	189	100	26.0	2	5	4	42.4	10.8	3.88	1	7
19328	102462	2	3	2	1	2	2	1	3	1	1	142	191	105	34.8	2	5	4	43.0	11.7	3.84	1	7
19329	102463	2	3	2	1	2	2	1	3	1	1	135	189	100	32.6	2	5	4	44.3	11.5	3.91	1	7
19330	102464	2	3	2	1	2	2	2	3	1	1	134	189	110	29.0	2	5	4	33.7	12.4	3.79	1	7
19331	102465	2	3	2	1	2	2	-	3	1	1	135	188	100	26.8	2	5	4	39.5	10.7	4.01	1	7
19332	102466	2	3	2	1	2	2	2	3	1	1	135	190	90	28.2	2	5	4	37.8	11.1	4.05	1	5
19333	102467	2	3	2	1	2	2	2	3	1	1	135	190	100	32.4	2	5	4	34.9	12.2	3.85	2	7
19334	102468	2	3	2	1	2	2	2	3	1	4	135	190	105	34.2	2	5	4	39.1	10.8	4.16	1	7
19335	102469	2	3	2	1	2	2	1	3	1	1	134	190	100	33.2	2	5	4	38.0	11.3	3.62	1	7
19336	102470	2	3	2	1	2	2	2	3	1	4	133	188	95	32.4	2	5	4	39.7	10.2	3.72	1	9
19337	102471	2	3	2	1	1	2	2	3	1	4	133	190	115	32.6	2	5	4	41.9	10.6	3.86	1	7
19338	102472	2	3	2	1	2	2	1	3	1	4	133	189	110	28.4	2	5	4	40.7	10.2	4.01	1	9
19339	102473	2	3	2	1	2	2	2	3	1	4	134	189	95	25.0	2	5	4	39.4	10.6	3.96	1	9
19340	102474	2	3	2	1	2	2	2	3	1	4	132	189	110	28.0	2	5	4	41.3	11.5	3.65	1	9
19341	102475	2	3	2	1	2	2	2	3	1	4	135	190	100	29.0	2	5	4	40.9	11.2	3.57	1	7
19342	102476	2	3	2	1	2	2	2	3	1	1	135	190	100	30.8	2	5	4	43.6	12.2	3.85	1	7
19343	102477	2	3	2	1	2	2	2	3	1	4	132	190	120	31.6	3	5	4	39.4	10.9	3.76	1	5
19344	102478	2	2	1	1	2	2	1	3	1	4	133	189	105	21.0	2	5	4	39.8	12.2	3.60	1	7
19345	102479	1	3	2	1	2	2	2	3	1	4	133	189	95	25.0	2	5	4	41.9	12.5	3.84	1	9
19346	102480	2	3	2	1	2	2	2	3	1	1	135	190	100	31.4	2	5	4	41.4	12.8	3.75	1	7

IG	ECB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19347	102481	2	3	2	1	2	2	2	3	1	1	130	190	80	30.4	2	5	4	41.7	11.0	4.00	1	7
19348	102482	2	3	2	1	2	2	2	3	1	1	135	190	100	36.4	2	5	4	44.7	12.2	3.93	1	9
19349	102483	1	2	2	1	2	2	2	3	1	1	133	190	100	28.6	2	5	4	36.4	10.7	4.20	1	9
19350	102484	1	3	2	1	2	2	2	3	1	1	131	189	100	32.4	2	5	4	40.1	12.0	3.83	1	7
19351	102485	2	3	2	1	2	2	2	3	1	1	133	190	105	29.6	2	5	4	40.3	11.2	3.92	1	7
19352	102486	2	1	2	1	2	2	2	3	1	1	133	190	85	27.4	2	5	4	40.9	12.8	3.90	1	7
19353	102487	2	2	2	1	2	2	2	3	1	1	132	190	95	33.0	2	5	4	38.9	11.6	4.05	1	7
19354	102488	2	3	2	1	2	2	2	3	1	4	127	190	95	33.0	2	5	4	47.7	13.0	3.84	1	7
19355	102489	2	2	2	1	2	2	2	3	1	4	135	190	100	27.6	2	5	4	43.7	11.1	3.96	1	7
19356	102490	2	3	2	1	2	2	2	3	1	1	127	190	95	28.2	2	5	4	41.5	11.2	3.92	1	7
19357	102491	2	3	2	1	2	2	2	3	1	4	135	190	85	28.8	2	5	4	42.7	11.4	3.94	1	7
19358	102492	2	3	1	1	2	1	2	3	1	4	132	189	100	23.6	1	5	4	24.1	12.3	3.73	1	7
19359	102493	2	3	2	1	2	2	2	3	1	2	135	194	110	26.8	2	5	4	51.6	12.3	3.73	1	5
19360	102494	2	3	2	1	1	2	2	3	1	4	124	189	80	25.0	2	5	4	43.4	15.3	3.52	1	9
19361	102495	2	3	-	3	2	2	1	3	2	4	142	190	100	23.0	2	5	4	40.0	16.8	3.57	1	3
19362	102496	2	2	1	3	2	2	1	3	1	4	113	189	90	24.0	2	5	4	35.7	11.3	3.80	1	7
19363	102497	2	3	2	3	2	2	1	3	2	4	135	190	85	26.4	2	5	4	47.3	13.3	3.60	1	7
19364	102498	2	3	1	1	2	1	2	1	1	4	127	190	95	24.8	3	5	4	18.1	12.2	4.09	1	7
19365	102499	2	3	1	1	2	2	1	5	1	4	132	192	95	24.6	3	5	4	39.6	14.0	3.78	1	5
19366	102500	1	3	1	3	2	2	1	5	1	2	124	190	95	26.0	1	5	4	34.4	9.6	4.27	2	7
19367	102501	2	3	1	3	2	2	1	3	1	4	138	201	100	21.8	2	5	4	51.3	11.3	4.07	1	7
19368	102502	2	3	1	1	2	2	2	-	1	4	146	205	110	20.6	2	5	4	45.6	12.7	3.70	1	5
19369	102503	2	3	1	1	2	2	2	-	1	4	146	205	95	21.0	2	5	4	47.9	12.5	3.76	1	7
19370	102504	-	3	1	1	1	2	2	3	1	4	125	190	70	23.0	2	5	4	36.1	11.5	4.17	1	7
19371	102505	2	3	1	1	2	2	2	3	1	4	134	189	95	30.0	2	5	4	39.5	11.8	3.98	1	7
19372	102506	2	3	2	1	2	2	2	3	1	4	132	190	90	30.2	2	5	4	34.8	13.6	3.52	1	7
19373	102507	2	3	1	1	2	2	2	3	1	1	138	183	90	27.0	2	5	4	39.1	13.6	3.67	1	7
19374	102508	1	3	2	1	2	2	2	3	1	1	133	191	90	27.6	2	5	4	37.4	11.9	3.94	1	7
19375	102509	2	3	2	1	2	2	2	3	1	4	135	191	95	29.6	2	5	4	38.3	12.0	3.83	1	7
19376	102510	2	3	2	1	2	2	2	3	1	4	135	190	95	29.6	2	5	4	38.7	12.1	3.88	1	7
19377	102511	2	3	2	1	2	2	2	3	1	4	138	190	85	30.6	2	5	4	40.2	12.4	3.62	1	7
19378	102512	2	3	2	1	2	2	2	1	1	4	138	190	85	35.8	2	5	4	47.6	12.7	3.77	1	7
19379	102513	2	3	2	1	2	2	2	1	1	4	138	189	95	30.6	2	5	4	44.3	13.7	3.64	1	7
19380	102514	2	3	2	3	2	2	2	3	1	1	135	190	80	29.0	2	5	4	38.6	11.7	3.76	1	7
19381	102515	1	3	2	9	2	2	2	3	1	4	146	193	80	31.0	2	5	4	48.8	13.8	3.55	1	7
19382	102516	2	3	1	1	1	2	2	7	2	3	146	192	85	20.6	2	5	4	44.4	12.3	3.82	1	5
19383	102517	2	3	1	-	-	2	2	9	1	4	138	191	100	31.8	3	5	3	32.3	12.0	3.66	2	7
19384	102518	1	3	1	1	2	1	2	3	1	4	122	177	90	25.0	2	5	4	22.9	12.6	3.88	1	7
19385	102519	2	3	2	3	2	2	2	5	1	1	143	191	115	30.6	3	5	4	48.6	12.1	3.80	1	5
19386	102520	1	2	1	3	2	2	1	5	1	4	143	194	80	23.6	3	5	4	32.7	13.5	3.70	1	7

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19387	102521	2	3	2	1	2	2	2	5	1	4	132	189	95	33.6	1	5	4	38.1	11.2	3.75	1	7
19388	102522	1	3	2	1	2	2	2	3	1	4	138	194	90	36.0	2	5	4	42.0	13.1	3.74	1	7
19389	102523	3	1	1	3	2	2	2	3	1	4	135	183	80	25.2	3	5	4	29.1	12.3	3.82	1	9
19390	102524	-	1	1	3	2	1	2	5	1	4	135	190	85	25.8	3	5	4	34.6	-	-	1	7
19391	102525	-	1	1	3	2	2	1	5	1	4	135	190	90	31.6	2	5	4	24.3	12.4	3.80	1	7
19392	102526	-	3	1	3	2	2	1	3	1	4	149	184	100	25.2	2	5	4	25.0	12.6	3.73	1	7
19393	102527	1	3	1	3	2	2	1	3	1	4	132	184	105	27.6	2	5	4	31.6	10.7	4.20	1	7
19394	102528	-	3	1	3	2	1	2	3	1	4	151	184	105	27.6	2	5	4	-	-	-	1	7
19395	102529	-	1	1	3	2	2	1	3	1	4	138	184	105	27.6	2	5	4	28.0	-	-	1	9
19396	102530	1	3	1	3	2	1	2	3	1	4	132	184	95	26.8	2	5	4	30.9	12.2	3.85	1	9
19397	102531	2	3	1	3	2	2	1	5	1	4	138	185	95	23.0	2	5	4	26.3	11.4	3.77	1	5
19398	102532	2	2	1	3	2	2	1	5	1	1	130	185	95	25.6	2	5	4	39.2	11.6	3.87	1	5
19399	102533	2	3	1	3	2	2	2	3	2	3	130	192	95	18.2	2	5	4	36.2	12.4	3.79	1	7
19400	102534	2	3	1	9	2	2	1	7	1	4	128	192	95	24.6	2	5	4	-	11.9	3.61	1	7
19404	102535	2	2	2	1	1	2	2	5	1	4	133	190	85	25.8	2	5	4	40.3	11.5	3.73	1	7
19402	102536	2	3	1	1	2	2	2	3	1	2	126	189	85	22.0	2	5	4	40.7	10.9	3.94	1	7
19403	102537	2	1	2	1	1	2	2	3	1	4	126	193	95	34.4	2	5	4	-	12.1	3.63	1	9
19404	102538	3	3	2	3	2	2	2	3	2	4	143	190	85	28.0	2	5	4	49.3	12.2	3.68	1	9
19405	102539	2	3	2	3	1	2	2	3	1	1	128	188	75	27.6	2	5	4	42.4	12.9	3.72	1	9
19406	102540	2	3	1	3	1	2	2	5	1	2	124	190	95	23.4	2	5	4	38.4	12.1	3.88	1	9
19407	102541	2	3	1	3	2	2	1	3	1	2	125	196	85	20.8	2	5	4	41.7	11.0	3.90	1	5
19408	102542	2	3	2	1	2	2	2	5	1	1	146	193	100	34.6	2	5	4	45.2	11.9	3.69	1	5
19409	102543	2	1	1	3	2	2	1	5	1	2	135	193	100	22.6	2	5	4	40.9	10.4	4.13	1	5
19410	102544	2	1	1	1	2	2	2	1	1	4	138	193	95	13.6	2	5	4	45.4	10.9	3.94	1	9
19411	102545	2	1	1	3	2	2	1	3	1	2	135	193	90	19.4	2	5	4	28.5	10.9	4.22	1	9
19412	102546	1	2	2	1	2	2	2	3	1	4	143	190	95	28.8	1	5	4	44.0	14.0	3.64	1	7
19413	102547	1	3	3	1	2	2	1	5	1	4	143	189	100	30.0	1	5	4	34.6	13.6	3.67	1	7
19414	102548	1	2	1	3	2	2	1	5	1	2	143	195	90	21.4	3	5	4	26.9	12.8	3.90	2	5
19415	102549	2	1	1	1	1	2	2	3	1	4	125	189	105	27.0	1	5	4	36.3	11.8	3.89	1	7
19416	102550	1	3	2	1	2	2	1	5	1	4	143	191	100	32.6	3	5	4	40.4	14.8	3.64	2	7
19417	102551	3	1	1	3	2	2	1	3	1	1	143	191	80	22.2	3	5	4	37.6	9.6	4.27	1	7
19418	102552	1	3	1	3	2	2	1	3	1	1	135	190	70	16.8	2	5	4	28.8	10.3	4.17	1	7
19419	102553	2	3	2	1	1	2	2	3	1	4	130	190	95	22.4	2	5	4	54.8	10.0	4.00	1	7
19420	102554	3	1	1	1	2	2	1	7	2	4	143	190	100	19.8	2	5	4	37.9	11.6	3.96	1	7
19421	102555	2	1	1	1	2	2	1	5	1	4	138	191	90	21.8	2	5	4	32.6	10.2	4.01	1	7
19422	102556	1	3	1	3	1	2	1	5	1	4	124	191	65	22.6	2	5	4	45.8	11.2	4.10	1	7
19423	102557	1	1	1	3	2	2	2	3	1	4	133	192	95	22.0	2	5	4	26.1	12.1	3.80	1	9
19424	102558	2	2	2	1	2	2	2	3	1	4	138	189	100	25.4	2	5	4	38.2	12.8	3.67	1	5
19425	102559	2	1	1	1	2	2	1	3	1	4	122	190	90	23.0	2	5	4	39.0	11.0	4.09	1	5
19426	102560	2	3	2	3	2	2	1	3	1	4	127	189	95	32.6	2	5	4	50.5	10.7	4.01	1	7

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19427	102561	2	3	1	3	2	2	1	3	1	4	135	192	105	27.0	2	5	4	45.5	10.6	4.15	1	5
19428	102562	2	2	1	1	1	2	2	5	1	4	143	190	115	25.2	2	5	4	43.5	10.6	4.05	1	5
19429	102563	1	3	1	3	2	2	2	3	1	4	126	189	80	20.0	2	5	4	37.7	12.1	3.96	1	9
19430	102564	1	2	1	1	2	2	2	5	1	2	146	194	105	23.4	2	5	4	42.6	10.7	4.20	1	7
19431	102565	1	3	2	1	2	2	1	1	1	1	143	194	90	33.8	2	5	4	42.8	12.0	3.83	1	7
19432	102566	1	2	1	1	2	2	2	3	1	2	135	190	105	22.0	2	5	4	45.2	9.6	4.37	1	5
19433	102567	2	2	1	1	2	2	2	5	1	4	143	193	100	22.8	2	5	4	36.8	11.6	3.87	1	7
19434	102568	2	3	1	3	2	2	2	3	1	4	146	190	90	19.6	2	5	4	38.8	11.0	4.09	1	9
19435	102569	1	3	2	9	1	2	2	7	2	3	132	190	70	28.0	2	5	4	43.2	14.7	3.87	1	9
19436	102570	3	1	1	3	2	2	1	3	1	2	146	189	105	22.6	2	5	4	44.1	9.6	4.16	1	5
19437	102571	2	2	1	3	2	2	1	3	1	4	122	186	80	18.0	2	5	4	44.4	12.8	3.82	1	5
19438	102572	2	3	2	3	2	1	2	3	1	2	138	190	110	32.0	2	5	4	39.8	16.2	3.20	1	7
19439	102573	2	2	2	1	1	2	2	3	1	4	135	189	110	35.0	1	5	4	43.2	15.4	3.57	1	7
19440	102574	1	3	1	1	2	1	2	7	2	4	143	190	85	28.2	3	5	4	33.3	12.3	3.98	1	7
19441	102575	1	3	1	7	2	2	1	3	1	4	143	190	110	21.2	3	5	4	39.0	11.4	4.12	1	9
19442	102576	2	3	2	1	2	2	2	3	1	4	143	190	95	27.2	2	5	4	41.4	12.0	4.08	2	7
19443	102577	2	2	2	1	2	2	2	3	1	4	143	190	105	27.4	2	5	4	40.6	14.1	3.47	1	7
19444	102578	2	1	2	1	2	2	2	3	1	4	138	190	90	29.4	2	5	4	42.0	12.6	3.73	2	5
19445	102579	2	1	2	1	2	2	2	3	1	4	143	191	90	29.8	2	5	4	35.8	11.9	3.94	1	7
19446	102580	2	3	2	1	2	2	2	5	1	4	134	189	85	32.6	3	5	4	48.0	12.3	3.82	1	7
19447	102581	-	1	2	1	2	2	2	5	1	4	138	189	95	31.2	2	5	4	48.4	11.6	4.05	1	7
19448	102582	3	1	1	1	2	2	1	3	1	2	138	191	85	19.2	2	5	4	38.4	10.3	4.07	1	9
19449	102583	2	3	2	1	2	2	1	3	1	4	146	190	85	32.4	2	5	4	42.6	11.9	4.11	1	7
19450	102584	2	3	2	1	2	2	2	-	1	4	146	196	85	32.2	2	5	4	44.6	12.2	4.09	2	5
19451	102585	-	3	1	3	2	2	1	3	1	2	122	183	85	22.6	2	5	4	44.3	12.3	3.98	1	9
19452	102586	-	3	1	3	2	2	2	3	1	4	135	183	85	20.6	2	5	4	-	14.3	3.56	1	7
19453	102587	-	3	1	3	2	2	1	3	1	2	135	183	105	21.6	2	5	4	33.2	11.9	3.86	1	9
19454	102588	-	2	3	1	1	-	1	-	1	-	143	-	-	30.6	1	5	4	46.4	13.1	3.74	1	-
19455	102589	2	3	2	1	1	2	1	3	1	2	143	191	95	28.2	2	5	4	46.9	13.4	3.58	1	7
19456	102590	2	3	3	3	2	1	2	1	1	2	133	185	100	28.4	1	5	4	47.4	13.5	3.70	1	7
19457	102591	-	3	3	9	2	2	1	7	1	3	158	181	85	25.4	2	4	4	-	17.4	3.44	1	9
19458	102592	2	3	3	1	2	2	1	3	1	2	126	177	100	24.4	3	4	4	48.8	14.5	3.65	1	7
19459	102593	2	3	3	1	2	2	1	3	1	4	135	185	85	24.6	3	5	4	53.5	13.0	4.00	1	7
19460	102594	-	3	3	1	2	2	1	-	2	3	124	185	85	32.0	3	5	4	25.5	14.1	3.75	1	7
19461	102595	2	3	2	1	2	2	2	3	1	4	135	189	100	27.0	2	5	4	47.1	13.1	3.89	1	7
19462	102596	-	3	2	1	1	2	1	3	1	4	135	190	100	23.2	3	5	4	48.9	15.7	3.63	1	7
19463	102597	-	3	2	3	2	1	1	3	1	4	135	185	95	29.0	3	5	4	46.5	14.9	3.55	1	9
19464	102598	1	3	2	1	2	1	1	3	1	2	124	185	95	22.8	2	5	4	44.9	14.1	3.54	1	9
19465	102599	2	3	2	3	2	2	1	9	1	4	124	181	105	24.4	2	4	4	54.3	14.2	3.66	1	7
19466	102600	-	3	2	9	2	1	1	7	2	3	133	188	85	23.8	2	5	4	42.0	17.0	3.35	1	7

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19467	102601	2	3	1	3	1	2	2	1	1	4	132	186	95	23.0	2	5	4	30.6	11.3	4.07	1	7
19468	102602	2	3	1	7	2	1	1	7	2	3	124	186	90	20.2	2	5	4	28.6	11.7	4.10	1	9
19469	102603	1	3	1	9	2	2	1	7	2	4	135	185	95	22.0	3	5	4	29.3	12.2	4.09	1	5
19470	102604	1	3	1	1	2	1	1	3	1	2	138	195	80	26.2	2	5	4	47.2	10.8	3.98	1	9
19471	102605	1	3	1	1	2	2	1	5	1	4	138	186	110	24.8	2	5	4	38.2	11.9	3.94	1	5
19472	102606	2	2	1	1	2	2	2	-	1	2	153	195	100	15.6	2	5	4	43.6	12.4	3.80	1	5
19473	102607	2	3	2	1	2	1	1	1	1	4	135	185	110	33.4	2	5	4	34.9	18.7	3.15	1	7
19474	102608	1	3	1	9	2	2	2	7	2	4	132	182	110	20.8	3	5	4	38.0	11.4	4.12	1	7
19475	102609	-	1	1	1	2	2	1	5	1	4	143	186	110	20.0	3	5	4	40.0	14.7	3.80	1	5
19476	102610	2	3	1	1	2	2	1	-	1	2	146	194	100	21.6	2	5	4	37.9	11.2	4.01	1	5
19477	102611	2	3	1	1	2	2	1	9	2	2	126	185	95	23.0	2	5	4	42.6	11.4	4.12	1	5
19478	102612	2	3	1	1	2	2	1	9	2	2	127	185	95	22.8	2	5	4	42.6	11.0	4.00	1	5
19479	102613	1	3	3	1	2	2	2	3	1	4	128	185	95	30.8	2	5	4	43.0	11.9	4.03	1	7
19480	102614	1	3	1	1	2	2	1	7	2	4	128	191	110	20.0	2	5	4	44.1	12.9	3.87	1	7
19481	102615	1	3	1	1	2	2	1	7	2	4	128	184	110	21.0	2	5	4	42.7	12.8	3.98	1	9
19482	102616	2	3	1	1	2	2	1	7	2	3	128	185	110	22.2	2	4	4	38.7	11.7	4.18	1	7
19483	102617	2	3	3	1	2	2	1	9	1	2	143	189	115	25.6	2	5	4	49.5	16.5	3.51	1	5
19484	102618	1	3	3	1	2	2	1	9	1	4	135	189	115	21.6	2	5	4	47.3	14.2	3.66	1	5
19485	102619	2	3	1	1	2	2	1	1	1	2	128	177	90	20.0	3	4	4	46.6	15.5	3.54	1	9
19486	102620	1	3	-	1	2	2	2	3	2	2	125	175	85	23.6	2	4	4	38.0	12.3	3.82	1	9
19487	102621	2	3	3	1	2	2	1	3	1	2	128	185	105	22.4	2	5	4	50.3	13.7	3.57	1	5
19488	102622	1	3	1	1	2	2	1	5	1	4	128	185	115	23.0	2	5	4	40.1	11.7	3.93	1	5
19489	102623	2	3	2	1	2	2	1	5	1	4	135	185	110	28.2	2	5	4	46.8	15.0	3.73	1	7
19490	102624	2	3	-	1	2	2	1	3	1	2	127	185	100	22.6	2	5	4	43.8	12.0	3.83	1	7
19491	102625	2	3	2	1	2	2	2	7	2	3	132	188	105	31.8	2	5	4	45.8	11.6	3.96	1	7
19492	102626	3	2	1	1	2	2	1	3	1	4	143	189	95	23.0	2	5	4	25.1	12.4	3.80	1	7
19493	102627	2	2	1	1	2	2	1	5	1	1	146	189	105	19.4	2	5	4	43.5	12.3	3.82	1	7
19494	102628	3	1	1	1	2	2	1	1	1	2	143	193	110	20.2	2	5	4	39.7	11.2	3.92	1	7
19495	102629	2	1	1	3	2	2	1	3	1	4	146	193	100	22.0	2	5	4	33.0	10.7	4.20	1	7
19496	102630	3	1	1	3	2	2	1	3	1	4	153	189	105	22.4	2	5	4	37.8	10.5	4.09	1	7
19497	102631	3	2	1	1	2	2	1	3	1	4	138	189	100	21.4	2	5	4	42.3	13.9	3.30	1	7
19498	102632	2	1	1	3	2	2	1	3	1	4	146	189	110	28.0	2	5	4	30.7	10.5	4.28	1	7
19499	102633	3	1	1	1	2	2	1	3	1	2	146	189	115	24.4	2	5	4	33.4	10.2	4.21	1	7
19500	102634	3	2	1	1	2	2	1	3	1	4	126	189	100	21.0	2	5	5	28.9	10.9	4.22	1	7
19501	102635	3	1	1	1	2	2	1	3	1	2	143	190	95	15.6	2	5	4	31.6	9.5	4.31	1	7
19502	102636	3	1	1	1	2	2	1	3	1	2	143	191	100	17.0	2	5	4	36.2	9.8	4.38	1	7
19503	102637	2	2	1	1	2	2	1	3	1	2	146	191	100	22.2	2	5	4	36.8	9.7	4.32	1	7
19504	102638	2	2	1	1	2	2	1	3	1	2	146	193	110	22.0	2	5	4	34.8	9.2	4.34	1	7
19505	102639	2	2	1	1	2	2	2	3	1	2	138	194	90	19.8	2	5	4	34.8	10.7	4.20	1	7
19506	102640	2	1	1	1	2	2	1	-	1	1	146	194	105	25.4	3	5	4	38.6	9.6	4.37	1	7

IG	KCB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19507	102641	2	1	1	3	1	2	1	3	1	2	128	182	90	19.4	2	5	4	37.6	9.5	4.21	1	7
19508	102642	2	1	1	3	2	2	1	3	1	2	133	183	85	22.0	2	5	4	42.2	10.6	3.86	1	7
19509	102643	2	1	1	3	2	2	1	3	1	2	133	183	80	22.4	2	5	4	38.9	10.6	3.86	1	7
19510	102644	2	1	1	3	2	2	1	3	1	2	138	183	95	20.0	2	5	4	38.8	9.1	4.50	1	7
19511	102645	2	3	1	3	2	2	1	3	1	4	138	184	95	15.8	2	5	4	37.8	9.3	4.30	1	7
19512	102646	2	3	1	3	2	2	1	3	1	4	138	184	100	18.2	2	5	4	38.2	9.3	4.40	1	7
19513	102647	2	3	1	3	2	2	2	3	1	4	138	184	85	16.0	2	5	4	41.7	10.0	4.30	1	7
19514	102648	2	2	-	3	2	1	2	3	1	4	135	190	100	17.0	1	5	4	40.6	12.0	3.91	1	7
19515	102649	2	1	1	3	2	2	1	1	1	2	146	190	95	20.4	2	5	4	44.5	10.6	4.33	1	7
19516	102650	2	1	1	3	2	2	1	1	1	2	146	190	100	20.0	2	5	4	46.9	9.7	4.22	1	7
19517	102651	2	1	1	3	2	2	1	1	1	2	138	189	105	21.2	3	5	4	42.8	10.4	4.32	1	7
19518	102652	2	1	1	3	2	2	1	5	1	2	146	191	95	23.2	2	5	4	38.6	11.5	4.08	1	7
19519	102653	2	2	1	3	2	2	1	3	1	4	146	191	90	22.0	2	5	4	32.7	13.1	3.96	1	7
19520	102654	2	2	1	3	2	2	1	1	1	2	143	189	90	21.2	2	5	4	36.1	10.7	4.20	1	7
19521	102655	2	1	1	1	2	2	1	3	1	2	138	190	100	21.6	2	5	4	34.0	9.9	4.34	1	7
19522	102656	2	1	1	3	2	2	1	3	1	2	138	190	100	18.2	2	5	4	38.0	10.7	4.01	1	7
19523	102657	2	3	1	3	2	2	1	3	1	2	128	184	80	20.0	2	5	4	41.2	8.9	4.60	1	7
19524	102658	2	2	1	1	2	2	1	3	1	4	128	190	70	16.2	2	5	4	39.2	10.9	4.31	1	7
19525	102659	2	3	1	1	2	2	2	3	1	1	143	193	90	23.6	3	5	4	44.7	8.6	4.18	1	5
19526	102660	2	2	1	1	2	2	1	3	1	4	143	193	90	22.4	2	5	4	42.7	9.9	4.44	1	7
19527	102661	2	2	1	1	2	2	1	1	1	2	143	190	100	24.0	2	5	4	37.8	10.1	4.35	1	7
19528	102662	2	2	1	1	2	2	1	1	1	2	143	190	95	25.2	2	5	4	42.4	9.7	4.43	1	7
19529	102663	2	1	1	1	2	2	1	1	1	2	164	191	95	18.0	2	5	4	42.3	9.4	4.36	1	7
19530	102664	2	1	1	1	2	2	1	1	1	2	156	190	85	20.6	2	5	4	39.6	9.5	4.42	1	7
19531	102665	2	3	1	1	2	2	1	1	1	2	138	185	80	23.0	2	5	4	43.4	9.6	4.37	1	7
19532	102666	2	2	1	1	2	2	1	3	1	2	135	189	75	24.6	2	5	4	38.4	9.9	4.24	1	7
19533	102667	2	3	1	1	2	2	1	5	1	2	138	189	90	20.4	2	5	4	34.2	10.6	4.24	1	7
19534	102668	2	1	1	1	2	2	1	5	1	1	146	190	110	22.8	2	5	4	30.6	10.8	3.98	1	5
19535	102669	3	3	1	1	2	2	1	3	1	4	135	184	95	20.4	2	5	4	38.1	10.4	3.94	1	9
19536	102670	3	2	1	1	2	2	1	3	1	4	138	184	90	19.2	2	5	4	40.6	10.6	4.24	1	9
19537	102671	2	2	2	1	2	2	2	3	1	4	146	191	85	22.8	2	5	4	45.2	10.6	4.15	1	9
19538	102672	2	2	1	1	2	2	1	3	1	2	135	189	95	22.4	2	5	4	42.8	10.8	3.98	1	9
19539	102673	2	1	1	1	2	2	2	3	1	2	135	189	100	18.0	2	5	4	35.1	10.9	4.12	1	9
19540	102674	2	1	1	1	2	2	1	3	1	2	132	183	95	25.4	2	5	4	38.2	11.3	3.89	1	9
19541	102675	2	2	1	1	2	2	1	3	1	2	135	183	75	16.2	2	5	4	47.3	10.0	4.20	1	9
19542	102676	2	2	1	3	2	2	1	3	1	2	138	183	90	18.6	2	5	4	35.8	11.6	4.05	1	9
19543	102677	2	2	1	3	2	2	1	3	1	2	135	185	100	14.0	2	5	4	40.7	9.6	4.37	1	9
19544	102678	2	2	1	1	2	2	1	3	1	2	143	189	85	23.6	2	5	4	35.3	11.0	4.18	1	9
19545	102679	2	1	1	3	2	2	1	3	1	2	135	185	100	20.8	2	5	4	41.6	11.2	4.19	1	9
19546	102680	2	3	1	3	1	2	2	3	1	2	128	186	100	18.2	2	5	4	46.6	11.4	3.85	1	9

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19547	102681	2	1	1	3	2	2	1	3	1	4	126	186	75	20.4	2	5	4	39.5	10.7	3.92	1	9
19548	102682	3	1	1	1	2	2	2	3	1	4	134	186	95	24.0	2	5	4	39.4	14.3	3.56	1	9
19549	102683	3	2	1	3	2	2	1	3	1	4	135	186	95	21.8	2	5	4	38.4	11.7	4.01	1	9
19550	102684	2	2	1	3	2	2	1	3	1	2	132	186	95	20.0	2	5	4	45.1	11.8	3.89	1	9
19551	102685	3	2	1	3	2	2	1	3	1	2	143	186	90	25.4	2	5	4	33.1	11.8	3.89	1	9
19552	102686	2	3	1	3	1	2	1	3	1	2	138	182	95	23.4	2	5	4	36.0	12.9	3.72	1	9
19553	102687	2	3	1	3	2	2	1	3	1	4	138	182	85	23.6	2	5	4	40.4	11.5	4.17	1	9
19554	102688	2	2	1	3	2	2	1	3	1	4	138	183	95	22.0	2	5	4	38.2	10.3	4.27	1	9
19555	102689	2	2	1	3	2	2	1	3	1	2	138	183	85	16.0	2	5	4	36.8	10.5	4.19	1	9
19556	102690	2	2	1	3	2	2	1	3	1	2	138	183	80	20.8	2	5	4	39.6	9.6	4.47	1	9
19557	102691	2	3	1	3	2	2	1	3	1	4	138	182	90	24.6	2	5	4	35.5	10.6	4.05	1	9
19558	102692	3	3	1	3	2	2	1	3	1	1	135	184	85	21.8	2	5	4	40.0	10.4	4.03	1	9
19559	102693	3	2	1	3	2	2	2	3	1	2	135	185	95	23.4	2	5	4	38.7	11.0	4.09	1	7
19560	102694	2	1	1	3	2	2	1	3	1	4	138	185	85	23.6	2	5	4	34.9	10.0	4.20	1	7
19561	102695	3	3	1	3	2	2	1	3	1	2	132	182	85	22.6	2	5	4	44.9	10.4	4.23	1	7
19562	102696	2	1	1	3	2	2	1	3	1	2	138	185	90	18.0	2	5	4	34.7	9.2	4.23	1	7
19563	102697	3	3	1	3	2	2	1	3	1	2	138	185	85	20.6	2	5	4	34.3	13.3	3.75	1	7
19564	102698	2	1	1	3	2	2	1	3	1	4	143	186	80	22.8	2	5	4	34.9	9.8	4.38	1	7
19565	102699	2	1	1	3	2	2	1	3	1	2	138	185	90	22.6	2	5	4	32.4	12.3	3.65	1	7
19566	102700	2	1	1	3	2	2	1	3	1	2	138	186	95	18.8	2	5	4	40.3	13.2	3.48	1	9
19567	102701	3	2	1	3	1	2	1	3	1	2	135	186	100	21.2	2	5	4	43.5	12.5	3.52	1	7
19568	102702	3	1	1	1	2	2	1	3	1	2	146	191	105	22.0	2	5	4	36.8	11.2	4.19	1	5
19569	102703	2	1	1	1	2	2	1	5	1	2	135	189	105	19.2	2	5	4	34.4	11.4	4.03	1	7
19570	102704	3	1	1	1	2	2	1	5	1	2	138	190	95	22.2	2	5	4	36.2	10.5	4.19	2	7
19571	102705	3	1	1	1	2	2	1	5	1	2	138	190	100	25.0	2	5	4	36.6	9.5	4.21	1	7
19572	102706	3	1	1	1	2	2	1	1	1	2	143	191	100	24.6	2	5	4	36.9	11.0	4.09	1	9
19573	102707	3	1	1	1	2	2	1	3	1	4	146	191	110	23.4	2	5	4	31.6	11.6	4.05	1	5
19574	102708	3	1	2	1	1	2	2	5	1	4	143	191	110	27.0	2	5	4	55.6	12.8	3.90	1	5
19575	102709	2	1	1	1	2	2	1	3	1	2	138	189	100	24.6	2	5	4	31.8	11.6	4.05	1	9
19576	102710	3	2	1	3	2	2	1	3	1	4	143	185	95	23.6	2	5	4	34.3	10.5	4.28	1	9
19577	102711	2	2	1	3	2	2	1	3	1	4	143	185	90	20.6	2	5	4	34.3	8.9	4.26	1	9
19578	102712	2	2	1	3	2	2	1	3	1	4	138	185	80	19.0	2	5	4	45.1	9.7	4.32	1	9
19579	102713	2	2	1	1	2	2	1	3	1	2	138	185	85	19.0	2	5	4	39.9	9.9	4.34	1	9
19580	102714	2	2	1	1	2	2	2	3	1	2	143	191	105	24.8	2	5	4	36.5	10.6	3.86	1	7
19581	102715	2	2	1	1	2	2	1	3	1	2	126	191	105	29.4	2	5	4	39.2	11.8	4.06	1	7
19582	102716	3	1	1	1	2	2	1	3	1	2	138	190	100	24.8	2	5	4	36.1	10.7	4.29	1	7
19583	102717	2	1	1	3	2	2	1	3	1	2	138	184	95	18.8	2	5	4	33.2	10.9	4.22	1	9
19584	102718	2	2	1	3	2	2	1	3	1	2	138	184	95	19.4	2	5	4	40.3	11.0	4.18	1	9
19585	102719	2	3	1	3	2	2	1	3	1	2	134	184	90	20.0	2	5	4	43.3	10.3	4.07	1	9
19586	102720	-	1	1	1	2	2	2	3	1	2	146	190	115	23.6	2	5	4	48.0	13.2	3.63	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19587	102721	1	1	2	1	2	2	1	3	1	4	146	191	115	29.8	2	5	4	62.7	14.4	4.09	1	5
19588	102722	2	3	1	1	2	2	1	3	1	2	138	191	110	22.2	2	5	4	49.0	11.4	4.12	1	7
19589	102723	2	2	1	1	2	2	1	3	1	4	146	191	100	23.2	2	5	4	39.1	12.0	4.08	1	7
19590	102724	2	2	1	3	2	2	1	7	2	4	146	190	105	21.6	2	5	4	38.7	10.9	4.22	1	7
19591	102725	-	2	1	1	2	2	1	3	1	2	135	186	95	19.0	2	5	4	42.2	10.4	4.13	1	7
19592	102726	2	2	1	1	2	2	2	3	1	2	146	191	95	24.4	2	5	4	45.1	10.8	4.16	1	5
19593	102727	-	1	1	1	2	2	1	-	1	1	167	201	90	19.0	2	5	4	32.9	12.1	3.80	1	5
19594	102728	-	1	1	1	2	2	1	-	1	2	164	201	105	16.8	2	5	4	32.8	12.2	3.85	1	3
19595	102729	-	1	1	1	2	2	1	-	1	1	158	201	105	18.8	2	5	4	35.3	11.2	4.01	1	5
19596	102730	-	1	1	1	2	2	1	5	1	1	153	192	95	25.2	2	5	4	36.5	11.0	4.09	1	7
19597	102731	3	1	1	1	2	2	1	-	1	2	153	195	95	23.2	2	5	4	26.2	11.9	3.86	1	5
19598	102732	-	1	1	1	2	2	1	3	1	1	153	192	95	19.4	2	5	4	31.1	9.5	4.31	1	5
19599	102733	-	1	1	1	2	2	1	3	1	1	163	203	105	26.8	2	5	4	39.0	11.5	3.82	1	3
19600	102734	-	1	1	1	2	2	1	3	1	2	167	201	105	18.4	2	5	4	38.1	10.6	3.96	1	3
19601	102735	-	2	1	3	2	1	1	3	1	4	153	194	75	23.0	3	5	4	15.0	-	-	1	7
19602	102736	-	2	1	1	2	2	1	3	1	4	156	193	95	22.4	2	5	4	28.0	12.8	3.82	1	5
19603	102737	2	2	1	1	2	2	2	5	1	2	135	195	85	26.0	3	5	4	31.2	11.0	4.18	2	7
19604	102738	3	1	1	9	2	2	2	7	2	4	151	193	100	21.0	2	5	4	36.3	11.5	4.00	1	5
19605	102739	-	2	1	1	2	2	2	3	2	4	143	180	90	19.2	2	5	3	-	12.9	3.72	1	3
19606	102740	-	2	1	1	2	2	1	3	1	1	146	191	90	20.0	2	5	4	33.2	10.8	4.07	1	7
19607	102741	3	1	1	1	2	2	1	3	1	4	135	191	100	25.4	2	5	4	31.2	9.9	4.34	1	5
19608	102742	2	2	1	1	2	2	1	1	1	2	135	190	105	24.0	2	5	4	32.0	10.8	4.07	1	7
19609	102743	2	2	1	3	1	2	1	3	1	4	135	186	90	23.4	2	5	4	32.3	11.1	4.05	1	9
19610	102744	1	3	1	1	2	2	1	3	1	2	138	190	95	23.2	2	5	4	36.9	12.1	3.96	1	5
19611	102745	1	3	1	1	2	2	1	3	1	4	135	186	105	24.0	2	5	4	38.5	14.7	3.60	1	5
19612	102746	-	3	1	3	1	2	2	5	1	4	135	186	105	19.2	2	5	4	-	-	-	1	5
19613	102747	2	3	2	1	2	2	2	3	1	1	143	195	100	30.0	2	5	4	36.1	11.5	4.00	1	5
19614	102748	3	1	1	1	2	2	1	1	1	2	156	195	95	18.4	2	5	4	31.2	11.4	3.85	1	5
19615	102749	-	1	1	1	2	2	1	-	1	2	156	196	105	25.2	2	5	4	30.9	15.0	3.46	1	5
19616	102750	2	1	1	1	2	2	1	5	1	2	146	194	95	21.0	2	5	4	38.3	11.3	4.15	1	7
19617	102751	1	2	1	1	2	2	1	5	1	2	143	193	105	17.2	2	5	4	37.1	11.5	4.08	1	7
19618	102752	1	3	1	1	2	2	1	3	1	4	138	192	100	21.8	2	5	4	35.9	11.1	3.87	1	7
19619	102753	2	3	2	1	2	2	2	3	1	4	132	190	95	29.0	2	5	4	43.1	13.0	4.00	1	7
19620	102754	2	3	2	1	2	2	2	3	1	4	135	190	80	25.2	2	5	4	39.8	11.5	4.08	1	7
19621	102755	2	3	2	1	2	2	2	3	1	1	143	189	95	28.4	2	5	4	28.1	15.0	3.60	1	7
19622	102756	3	1	1	1	2	2	1	-	1	4	151	201	100	23.4	3	5	4	38.7	10.6	4.24	1	5
19623	102757	3	1	1	1	2	2	1	3	1	4	150	194	95	27.2	2	5	4	35.6	10.8	4.16	1	5
19624	102758	2	3	1	1	2	2	1	5	1	4	138	189	85	22.0	2	5	4	27.9	11.1	4.23	1	7
19625	102759	2	3	1	3	2	2	1	3	1	4	126	184	70	29.8	2	5	4	28.8	11.2	4.01	1	9
19626	102760	2	1	2	1	1	2	1	-	1	1	138	190	85	25.6	1	5	4	36.3	14.0	3.35	1	7

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19627	102761	2	2	1	1	2	2	1	-	1	2	146	195	100	21.4	2	5	4	40.7	10.8	3.98	1	3
19628	102762	1	3	2	1	2	2	2	3	1	4	135	192	75	26.8	2	5	4	39.5	11.9	3.86	1	7
19629	102763	2	3	1	3	2	2	1	3	1	4	132	184	85	18.6	2	5	4	41.3	12.7	3.85	1	9
19630	102764	2	2	1	1	2	2	2	3	1	4	135	190	95	21.6	2	5	4	51.9	10.3	4.17	1	5
19631	102765	1	2	1	1	2	2	2	-	1	4	153	195	95	26.6	3	5	4	41.8	9.1	4.39	1	5
19632	102766	2	2	1	1	2	2	1	-	1	4	132	194	90	15.6	2	5	4	43.1	10.8	4.16	1	7
19633	102767	2	3	1	1	2	2	1	3	1	2	132	189	85	19.6	2	5	4	42.6	10.8	4.07	1	7
19634	102768	3	1	1	1	2	2	1	3	1	1	143	191	95	21.2	2	5	4	32.9	9.7	4.22	1	7
19635	102769	1	2	1	1	1	2	2	3	1	4	134	191	90	26.6	2	5	4	35.8	10.7	4.29	1	5
19636	102770	2	3	2	1	2	2	2	3	1	4	143	191	95	32.2	2	5	4	39.8	9.8	4.18	1	5
19637	102771	2	3	2	1	2	2	2	3	1	4	143	190	85	27.0	2	5	4	41.8	10.5	3.90	1	7
19638	102772	2	3	2	1	2	2	2	3	1	4	132	190	90	28.6	2	5	4	38.5	11.8	3.89	1	7
19639	102773	2	3	2	1	2	2	2	3	1	4	135	190	95	31.6	2	5	4	43.2	10.5	4.00	1	7
19640	102774	2	3	2	1	2	2	2	3	1	4	134	189	90	30.2	2	5	4	43.1	11.7	4.01	1	7
19641	102775	2	3	2	1	2	2	2	3	1	1	135	191	95	35.0	2	5	4	34.7	11.5	4.00	1	9
19642	102776	2	3	-	1	2	2	1	3	1	4	135	192	100	23.2	2	5	4	45.9	12.4	3.80	1	7
19643	102777	2	3	2	1	2	1	2	9	1	4	135	184	90	23.6	2	4	4	43.6	13.1	3.74	1	7
19644	102778	2	3	2	3	2	1	2	9	1	4	122	184	75	22.2	2	4	4	41.5	10.4	3.94	1	7
19645	102779	2	3	2	7	2	1	2	7	-	4	122	184	85	27.0	2	4	4	44.0	12.7	3.62	1	7
19646	102780	3	1	1	1	2	2	2	7	2	4	146	191	85	29.4	2	5	4	48.5	10.3	3.98	1	7
19647	102781	1	3	1	3	2	2	1	3	1	4	135	189	85	21.2	2	5	4	38.6	10.2	4.01	1	9
19648	102782	1	3	-	3	2	2	1	9	2	4	123	183	90	25.6	2	5	4	36.3	10.6	4.05	1	9
19649	102783	2	3	1	3	2	2	1	3	1	2	123	183	75	23.8	2	5	4	38.2	10.3	3.78	1	9
19650	102784	2	3	1	1	2	2	2	3	1	1	135	189	100	23.6	2	5	4	29.6	11.7	3.76	1	9
19651	102785	2	3	2	1	2	2	2	5	1	4	132	190	95	26.6	1	5	4	37.2	12.3	3.82	1	7
19652	102786	1	3	1	3	2	2	1	5	1	2	135	190	80	22.6	2	5	4	36.8	11.3	4.07	1	7
19653	102787	2	3	1	3	2	2	1	1	1	2	135	189	95	20.8	2	5	4	49.5	11.6	3.79	1	9
19654	102788	1	3	1	1	2	2	2	1	1	2	127	189	70	22.0	2	5	4	34.0	13.5	3.85	1	9
19655	102789	2	3	1	3	2	2	2	3	1	2	126	190	70	21.2	2	5	4	46.2	12.4	3.70	1	9
19656	102790	1	3	1	3	2	2	2	3	1	4	125	184	65	15.8	2	5	4	28.9	11.8	3.89	1	9
19657	102791	1	3	1	3	2	2	2	9	1	4	122	184	75	17.4	2	5	4	39.2	10.4	3.94	1	9
19658	102792	2	3	1	3	2	2	2	5	1	4	122	185	70	24.0	2	5	4	34.8	10.5	4.09	1	9
19659	102793	2	2	1	1	2	2	1	-	1	2	146	201	100	25.6	2	5	4	41.6	10.5	4.19	1	5
19660	102794	2	1	1	1	2	2	2	3	1	4	143	190	100	20.0	2	5	4	33.6	10.5	4.28	1	7
19661	102795	2	2	1	1	2	2	2	-	1	2	143	195	85	22.2	2	5	4	38.1	10.7	3.92	1	5
19662	102796	3	1	1	1	2	2	1	-	1	2	167	195	95	24.4	2	5	4	34.8	9.5	4.21	1	5
19663	102797	2	3	1	3	2	2	2	5	1	4	135	189	95	25.6	2	5	4	31.1	11.7	4.01	1	7
19664	102798	2	3	2	-	-	2	2	3	1	4	138	191	120	35.2	1	5	1	39.8	11.6	3.96	1	7
19665	102799	2	3	1	3	1	2	2	1	1	4	132	185	110	21.6	2	5	4	38.2	11.3	3.98	1	7
19666	102800	2	2	1	3	2	2	1	3	1	4	135	192	90	22.0	2	5	4	41.3	12.0	3.91	1	7

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19667	102801	2	2	1	1	2	2	1	5	1	4	135	193	80	19.6	2	5	4	45.2	12.0	3.91	1	5
19668	102802	2	2	1	1	2	2	1	5	1	2	146	191	100	17.6	2	5	4	44.9	11.0	4.09	1	7
19669	102803	2	3	2	1	2	2	2	1	1	4	138	191	95	26.4	2	5	4	43.1	11.4	4.03	1	5
19670	102804	2	3	2	1	2	2	2	3	1	4	135	190	80	24.6	2	5	4	34.7	12.5	3.84	1	7
19671	102805	2	3	2	1	1	2	2	3	1	4	146	190	110	23.6	2	5	4	42.8	11.9	3.69	1	9
19672	102806	2	2	1	1	2	2	1	3	1	2	143	191	75	20.4	2	5	4	40.9	12.2	3.93	1	7
19673	102807	2	3	2	1	2	2	2	3	1	4	138	191	90	31.0	2	5	4	46.2	12.0	3.83	1	7
19674	102808	2	3	2	1	2	2	2	3	1	4	143	191	80	33.4	2	5	4	40.9	11.4	3.94	1	7
19675	102809	2	3	2	1	2	2	1	3	1	1	143	190	90	24.4	2	5	4	44.8	13.2	3.63	1	7
19676	102810	2	3	2	1	2	2	2	3	1	4	131	184	105	30.0	2	5	4	41.4	12.5	3.84	1	7
19677	102811	2	3	2	1	2	2	2	3	1	4	138	185	110	33.2	3	4	4	43.2	12.9	3.56	1	5
19678	102812	2	3	2	1	2	2	2	3	1	4	128	186	85	29.2	2	5	4	38.2	11.0	4.54	1	7
19679	102813	2	3	1	3	2	2	1	3	1	4	130	185	115	28.4	2	5	4	42.4	13.5	3.70	1	7
19680	102814	2	3	2	1	2	2	2	3	1	4	135	189	85	29.0	1	5	4	40.6	13.8	3.62	1	7
19681	102815	2	3	2	1	2	2	2	3	1	4	135	188	95	25.6	2	5	4	42.5	12.9	3.72	1	7
19682	102816	2	3	2	1	2	2	2	1	1	1	135	189	105	29.6	2	5	4	38.8	11.6	3.79	2	7
19683	102817	2	3	2	1	2	2	1	1	1	1	138	190	95	33.2	2	5	4	42.1	12.8	3.82	1	7
19684	102818	2	3	2	1	2	2	2	1	1	4	143	190	80	30.8	2	5	4	45.1	14.2	3.59	1	7
19685	102819	2	3	2	3	2	2	2	3	1	4	143	190	90	31.6	2	5	4	43.4	13.9	3.66	1	7
19686	102820	2	3	1	3	2	2	2	1	1	4	134	185	100	22.0	2	5	4	29.3	11.2	4.10	1	7
19687	102821	2	3	1	1	2	2	2	1	1	4	131	184	110	28.0	2	5	4	24.6	12.3	3.98	1	7
19688	102822	2	3	1	3	2	2	1	1	1	4	135	185	110	22.0	2	5	4	29.5	12.3	3.90	1	7
19689	102823	2	3	1	3	1	2	2	5	1	4	146	190	120	24.4	2	5	4	31.0	11.8	3.89	1	5
19690	102824	2	3	1	1	2	2	1	3	1	4	135	185	120	21.4	2	5	4	25.5	12.5	3.92	1	5
19691	102825	2	3	2	3	2	2	1	3	1	4	135	186	95	29.4	3	5	4	45.2	13.4	3.65	1	5
19692	102826	2	3	2	1	2	2	2	3	1	4	135	190	80	32.0	2	5	4	38.5	11.3	3.80	1	7
19693	102827	2	3	2	9	2	2	1	7	2	3	131	186	95	25.8	2	5	4	45.8	11.8	3.81	1	9
19694	102828	3	1	2	1	1	2	2	3	1	4	138	186	65	18.2	2	5	4	33.3	11.3	3.98	1	9
19695	102829	3	1	1	1	2	2	1	-	1	4	158	194	95	26.0	2	5	4	26.7	12.9	3.79	1	5
19696	102830	2	1	1	1	2	2	1	-	1	4	154	194	80	26.0	2	5	4	27.7	12.7	3.85	1	5
19697	102831	1	3	1	3	2	2	1	-	1	2	143	194	95	21.0	2	5	4	29.9	10.8	3.98	1	5
19698	102832	2	2	1	3	2	1	1	-	2	3	128	186	95	19.6	1	5	4	32.4	9.9	4.24	1	5
19699	102833	2	3	2	3	2	2	2	3	1	4	137	189	80	27.4	2	5	4	41.5	11.1	3.96	1	9
19700	102834	2	3	2	3	2	2	2	3	1	4	126	191	60	25.0	2	5	4	39.6	11.7	3.93	1	9
19701	102835	2	3	2	3	1	2	2	3	1	4	126	189	70	29.8	2	5	4	38.9	11.45	3.93	1	9
19702	102836	3	1	2	1	2	2	2	3	1	1	143	190	90	26.0	2	5	4	43.7	11.6	3.96	1	7
19703	102837	3	1	1	1	2	2	1	3	1	1	143	190	100	18.8	2	5	4	37.7	11.9	3.78	1	7
19704	102838	3	1	2	1	2	2	2	7	2	4	146	190	90	28.0	2	5	4	48.4	11.8	3.81	1	9
19705	102839	3	1	2	1	2	2	2	3	1	1	146	190	100	31.0	2	5	4	47.2	11.5	3.82	1	7
19706	102840	2	1	2	1	2	2	2	1	1	1	146	191	105	28.0	2	5	4	40.9	11.8	3.89	1	7

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19707	102841	3	2	1	1	2	2	1	5	1	1	143	191	95	20.2	2	5	4	34.3	11.0	4.00	1	7
19708	102842	3	1	2	1	2	2	2	3	1	4	146	191	95	25.8	2	5	4	39.7	11.7	4.01	1	7
19709	102843	3	1	2	1	1	2	2	9	2	4	146	191	95	24.0	2	5	4	42.5	12.5	3.92	1	7
19710	102844	3	1	1	1	2	2	1	3	1	1	143	191	100	17.2	2	5	4	43.6	9.8	4.18	1	7
19711	102845	1	1	2	1	2	2	2	1	1	4	143	190	90	25.0	2	5	4	52.3	11.8	3.98	1	9
19712	102846	1	3	2	3	2	2	2	3	1	4	128	186	70	19.0	2	5	4	46.6	11.1	3.96	1	9
19713	102847	1	3	2	3	2	2	2	3	1	4	128	186	65	22.0	2	5	4	48.2	11.4	3.94	1	9
19714	102848	3	3	2	3	2	2	2	3	1	4	128	186	70	20.2	2	5	4	41.4	11.1	4.05	1	7
19715	102849	2	1	2	1	2	2	2	3	1	1	143	191	70	29.2	2	5	4	41.2	11.8	3.89	1	7
19716	102850	3	1	2	1	2	2	2	3	1	4	143	191	90	31.6	2	5	4	43.7	11.9	3.94	1	7
19717	102851	2	1	2	1	2	2	2	3	1	4	128	184	65	19.4	2	5	4	48.7	11.8	4.06	1	7
19718	102852	1	1	2	3	2	2	2	3	1	4	143	191	95	29.2	2	5	4	50.8	11.2	4.01	1	7
19719	102853	3	3	2	3	2	2	1	3	1	1	135	189	80	27.6	2	5	4	41.0	11.2	4.01	1	9
19720	102854	3	3	2	3	1	2	1	3	1	1	138	190	70	24.2	2	5	4	36.1	12.0	3.75	1	9
19721	102855	3	1	2	1	1	2	2	3	1	1	146	190	80	28.6	2	5	4	44.1	12.1	3.80	1	9
19722	102856	3	1	2	1	2	2	2	3	1	4	143	190	105	28.4	2	5	4	52.1	11.3	3.98	1	7
19723	102857	3	1	2	3	2	2	2	3	1	1	146	189	90	30.2	2	5	4	36.6	13.2	3.71	1	7
19724	102858	3	1	2	1	1	2	2	3	1	1	146	190	85	27.0	2	5	4	43.6	12.3	3.82	1	7
19725	102859	-	1	2	1	2	2	2	3	1	1	146	190	95	28.2	2	5	4	41.5	13.9	3.59	1	7
19726	102860	2	1	2	1	1	2	2	3	1	1	143	189	95	26.8	2	5	4	47.9	12.1	3.63	1	7
19727	102861	2	1	2	1	2	2	2	1	1	1	144	189	90	27.4	2	5	4	49.9	11.1	4.05	1	9
19728	102862	3	2	2	1	2	2	2	3	1	1	144	190	90	29.8	2	5	4	37.1	12.4	3.70	2	7
19729	102863	-	2	2	1	2	2	2	3	1	4	144	189	85	26.0	2	5	4	42.5	12.2	3.70	1	9
19730	102864	-	1	2	1	2	2	2	3	1	1	144	189	90	28.8	2	5	4	54.4	11.1	3.96	1	9
19731	102865	-	1	2	3	2	2	2	3	1	1	144	189	95	25.2	2	5	4	49.4	11.3	4.07	1	9
19732	102866	2	1	2	1	2	2	2	3	1	4	144	191	95	26.4	2	5	4	51.1	12.1	3.80	1	9
19733	102867	-	1	2	1	2	2	2	1	1	1	144	189	95	24.6	2	5	4	49.9	11.9	3.94	1	9
19734	102868	-	1	2	1	2	2	2	1	1	1	144	189	80	28.2	2	5	4	51.1	11.1	3.96	1	7
19735	102869	-	3	2	1	1	2	1	1	1	1	144	192	80	26.8	2	5	4	34.8	12.5	3.68	1	7
19736	102870	-	1	2	1	2	2	2	1	1	1	144	191	95	30.8	2	5	4	45.7	11.3	3.89	1	9
19737	102871	3	1	2	1	2	2	2	1	1	1	144	189	100	29.2	2	5	4	42.7	12.3	3.73	1	7
19738	102872	2	3	2	1	1	2	1	3	1	1	144	189	80	23.0	2	5	4	32.0	13.0	3.76	1	7
19739	102873	3	1	2	1	2	2	2	7	1	4	144	190	75	28.6	2	5	4	47.0	11.8	3.89	1	7
19740	102874	2	3	2	1	2	2	2	3	1	4	135	190	70	28.0	2	5	4	42.4	11.1	3.96	1	7
19741	102875	3	1	2	1	2	2	2	9	1	4	144	189	75	29.6	2	5	4	47.3	11.4	3.94	1	7
19742	102876	3	1	2	1	2	2	2	3	1	1	144	190	75	24.4	2	5	4	48.4	10.6	4.15	2	7
19743	102877	2	3	2	1	2	2	1	3	1	1	139	189	75	17.6	2	5	4	43.8	11.1	4.05	1	7
19744	102878	2	3	2	1	2	2	2	3	1	1	126	186	80	22.4	2	5	4	50.4	11.7	3.93	1	7
19745	102879	2	2	2	3	2	2	2	3	1	4	127	187	75	22.8	2	5	4	43.6	11.8	3.98	1	7
19746	102880	-	3	2	1	2	2	2	3	1	1	134	190	65	20.4	2	5	4	37.1	11.1	4.14	1	7

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19747	102881	2	3	2	3	2	2	2	3	1	1	123	186	75	27.2	2	5	4	41.4	11.2	4.01	1	7
19748	102882	2	3	2	3	2	2	2	3	1	1	134	192	80	27.2	2	5	4	46.7	11.9	3.86	1	7
19749	102883	2	3	2	3	1	2	2	3	1	1	134	192	85	24.4	2	5	4	44.0	11.3	4.07	2	7
19750	102884	2	3	2	1	1	2	2	3	1	1	138	184	80	27.8	2	5	4	37.8	12.4	3.79	1	7
19751	102885	2	3	2	3	1	2	2	3	1	4	126	191	65	22.4	2	5	4	39.1	12.2	3.93	2	7
19752	102886	2	3	2	3	2	2	2	3	1	4	126	189	70	18.2	2	4	4	46.6	10.4	4.13	1	7
19753	102887	2	3	2	1	2	2	2	3	1	2	134	190	75	24.2	2	5	4	41.6	11.9	4.03	1	7
19754	102888	2	3	2	1	2	2	2	3	1	1	134	189	80	25.8	2	5	4	39.4	11.8	3.81	1	7
19755	102889	2	3	2	1	2	2	2	3	1	1	134	189	65	22.4	2	5	4	43.8	11.0	4.09	1	7
19756	102890	2	3	2	1	2	2	2	5	1	4	126	180	75	28.4	2	5	4	41.3	10.9	4.03	1	7
19757	102891	2	3	2	1	2	2	2	3	1	4	135	180	80	26.2	2	5	4	44.7	11.0	4.00	1	7
19758	102892	2	3	2	1	2	2	2	3	1	4	144	189	80	23.0	2	5	4	48.2	13.7	3.64	1	7
19759	102893	2	2	2	1	2	2	2	3	1	4	144	190	80	29.2	2	5	4	60.4	11.8	3.89	1	7
19760	102894	2	1	2	1	2	2	2	3	1	2	144	190	80	23.6	2	5	4	58.9	11.7	4.10	1	7
19761	102895	2	3	2	1	1	2	1	3	1	4	134	189	80	25.4	2	5	4	38.3	11.7	3.67	1	7
19762	102896	2	3	2	3	2	2	2	3	1	4	135	188	80	25.8	2	5	4	32.4	11.6	3.87	1	9
19763	102897	2	3	2	3	1	2	1	3	1	1	135	188	70	27.8	2	5	4	37.9	12.4	3.79	2	9
19764	102898	2	3	2	3	1	2	2	3	1	1	128	188	80	31.0	2	5	4	41.7	10.7	4.11	1	9
19765	102899	2	3	2	1	1	2	1	1	1	1	138	189	80	25.6	2	5	4	36.7	11.0	4.07	1	7
19766	102900	3	1	2	1	1	2	2	3	1	1	144	190	85	32.6	2	5	4	46.2	11.7	3.84	1	7
19767	102901	3	1	2	1	2	2	2	3	1	1	144	189	90	28.8	2	5	4	50.7	10.8	4.07	1	7
19768	102902	2	3	2	1	1	2	1	3	1	1	134	189	60	24.2	2	5	4	38.6	10.0	4.20	1	7
19769	102903	2	3	2	3	1	2	1	3	1	1	128	189	80	26.6	2	5	4	42.1	10.3	4.07	1	7
19770	102904	2	3	2	3	2	2	1	3	1	1	138	189	70	23.8	2	5	4	35.4	11.6	4.05	1	7
19771	102905	2	3	2	3	1	2	1	3	1	1	135	189	80	28.2	2	5	4	35.4	11.2	3.83	1	7
19772	102906	2	3	2	1	1	2	2	3	1	4	135	190	80	26.0	2	5	4	35.3	11.5	4.00	1	7
19773	102907	3	1	2	1	1	2	2	9	1	4	144	190	80	24.2	2	5	4	53.4	11.1	4.05	1	7
19774	102908	2	3	2	3	2	2	2	3	1	4	125	186	70	22.8	2	5	4	43.6	10.8	4.07	1	7
19775	102909	2	3	2	3	2	2	1	3	1	4	125	186	70	26.6	2	5	4	40.8	11.3	4.24	1	9
19776	102910	3	1	2	1	2	2	2	3	1	4	144	191	90	27.0	2	5	4	50.3	11.0	4.09	1	9
19777	102911	2	3	2	3	2	2	2	3	1	4	138	188	75	26.6	2	5	4	40.9	12.8	3.75	1	7
19778	102912	2	3	2	1	2	2	2	3	1	1	138	188	75	23.4	2	5	4	41.0	11.7	4.01	1	7
19779	102913	2	3	2	1	2	2	2	3	1	1	138	188	60	26.0	2	5	4	42.6	11.4	4.03	1	7
19780	102914	2	3	2	3	2	2	2	3	1	4	128	184	60	21.2	2	5	4	36.7	11.7	3.93	1	7
19781	102915	3	1	2	1	2	2	2	3	1	1	144	189	80	27.4	2	5	4	53.0	11.0	4.09	1	7
19782	102916	3	1	2	1	2	2	2	3	1	1	144	189	75	29.4	2	5	4	48.8	12.4	3.79	1	7
19783	102917	2	3	2	3	2	2	2	3	1	1	135	189	70	29.2	2	5	4	38.4	11.9	3.94	1	7
19784	102918	3	1	2	1	2	2	2	1	1	1	144	191	90	25.6	2	5	4	44.9	12.2	3.93	1	7
19785	102919	2	3	2	1	2	2	2	3	1	1	134	191	80	29.2	2	5	4	37.2	12.1	3.80	1	7
19786	102920	3	1	2	1	2	2	2	3	1	1	144	190	90	30.8	2	5	4	48.6	11.6	3.96	1	7

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19787	102921	3	1	2	1	2	2	2	1	1	4	144	190	100	27.0	2	5	4	42.2	13.9	3.66	1	7
19788	102922	3	1	2	1	2	2	2	3	1	4	144	190	100	26.0	2	5	4	43.2	11.7	3.84	1	7
19789	102923	2	1	2	1	2	2	2	7	2	4	144	191	100	26.8	2	5	4	49.3	10.8	4.07	1	7
19790	102924	3	3	2	1	1	2	2	5	1	4	131	186	70	18.8	2	5	4	39.6	10.5	4.09	1	9
19791	102925	3	1	2	1	2	2	2	3	1	4	144	191	90	24.8	2	5	4	46.1	10.3	4.07	1	7
19792	102926	3	1	2	1	2	2	2	3	1	4	144	191	90	27.6	2	5	4	49.0	11.3	3.98	1	7
19793	102927	2	1	2	1	1	2	2	7	2	4	144	191	90	26.8	2	5	4	56.7	12.4	3.80	1	7
19794	102928	3	3	2	1	2	2	2	3	1	4	127	189	75	22.0	2	5	4	37.6	11.8	3.81	1	9
19795	102929	3	1	2	1	2	2	2	7	2	4	144	190	95	24.2	2	5	4	43.8	11.9	4.11	1	9
19796	102930	3	1	2	1	2	2	2	7	2	4	144	190	80	25.6	2	5	4	46.3	10.7	4.20	1	7
19797	102931	3	1	2	1	2	2	2	7	2	4	144	191	90	23.6	2	5	4	48.8	10.8	4.16	1	7
19798	102932	2	1	2	1	2	2	2	3	1	1	144	191	90	28.8	2	5	4	45.2	11.5	4.08	1	7
19799	102933	3	3	2	1	2	2	1	3	1	4	128	185	85	29.2	2	5	4	34.9	12.5	4.00	1	9
19800	102934	2	1	2	1	2	2	2	1	1	2	144	190	85	27.8	2	5	4	47.4	11.7	4.01	1	9
19801	102935	3	1	2	1	2	2	2	3	1	4	144	192	90	25.8	2	5	4	43.3	12.5	3.92	1	9
19802	102936	2	2	2	1	2	2	2	3	1	4	131	185	75	28.2	2	5	4	34.8	12.5	3.84	1	9
19803	102937	3	1	2	1	2	2	2	3	1	1	146	191	80	24.6	2	5	4	41.3	11.3	3.89	1	7
19804	102938	3	1	2	1	2	2	2	3	1	1	144	190	90	24.2	2	5	4	43.4	11.7	3.84	1	7
19805	102939	3	1	2	1	2	2	2	3	1	1	144	191	80	28.4	2	5	4	47.4	10.5	4.19	1	7
19806	102940	3	1	2	1	2	2	2	3	1	4	144	191	90	26.0	2	5	4	47.4	12.8	3.82	1	7
19807	102941	3	1	2	1	2	2	2	3	1	4	144	191	75	28.4	2	5	4	36.7	12.8	3.59	1	7
19808	102942	2	3	2	1	1	2	2	3	1	4	134	184	75	28.0	2	5	4	39.8	10.9	4.03	1	9
19809	102943	2	3	2	1	1	2	2	3	1	4	146	190	75	27.2	2	5	4	36.3	12.3	3.73	1	9
19810	102944	3	1	2	1	2	2	2	3	1	4	146	191	100	32.6	2	5	4	47.2	11.0	4.00	1	7
19811	102945	3	1	2	1	2	2	2	3	1	4	146	191	95	27.0	2	5	4	43.9	11.3	3.89	1	7
19812	102946	2	2	2	3	1	2	2	3	1	4	135	189	80	26.8	2	5	4	35.3	10.9	3.94	1	7
19813	102947	1	3	2	3	2	2	2	3	1	4	128	185	80	22.6	2	5	4	40.5	11.7	3.93	1	9
19814	102948	1	3	2	1	2	2	2	3	1	4	128	185	65	20.4	2	5	4	45.8	10.6	4.05	1	9
19815	102949	3	1	2	1	2	2	2	3	1	4	135	190	80	28.8	2	5	4	56.4	11.8	3.72	1	7
19816	102950	3	1	2	1	2	2	2	3	1	4	144	190	95	28.6	2	5	4	50.7	11.4	3.94	1	7
19817	102951	3	1	2	1	2	2	2	3	1	1	144	190	95	26.6	2	5	4	56.3	11.6	3.87	1	9
19818	102952	2	3	2	3	2	2	2	3	1	4	127	183	85	24.8	2	5	4	44.1	11.4	3.94	1	9
19819	102953	1	3	2	3	2	2	2	3	1	4	122	183	70	22.8	2	5	4	45.4	11.2	4.01	1	9
19820	102954	1	3	2	3	2	2	2	3	1	4	122	189	70	22.6	2	5	4	45.2	10.3	4.07	1	9
19821	102955	3	1	2	1	2	2	2	3	1	4	146	191	80	26.6	2	5	4	53.6	11.4	3.94	1	7
19822	102956	1	3	2	3	2	2	2	3	1	4	124	182	75	23.2	2	5	4	32.3	12.7	3.70	1	9
19823	102957	3	1	2	1	1	2	2	7	2	4	144	190	85	27.5	2	5	4	48.6	12.3	3.73	1	7
19824	102958	2	2	2	1	2	2	2	1	1	1	140	189	80	26.4	2	5	4	39.8	11.2	3.83	1	9
19825	102959	3	1	2	1	2	2	2	3	1	1	144	191	85	30.6	2	5	4	48.7	11.2	3.75	1	7
19826	102960	1	3	2	1	2	2	1	3	1	4	122	189	70	24.2	2	5	4	39.7	12.2	3.70	1	9

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19827	102961	1	1	2	1	1	2	2	7	2	4	146	190	90	26.6	2	5	4	50.7	10.8	3.98	1	7
19828	102962	3	1	2	1	2	2	2	3	1	4	144	191	90	29.6	2	5	4	46.2	11.1	3.78	1	7
19829	102963	3	2	2	1	2	2	2	1	1	4	135	190	85	28.4	2	5	4	43.3	12.5	3.76	1	7
19830	102964	2	1	2	1	2	2	2	3	1	4	146	190	90	27.2	2	5	4	46.4	12.4	3.70	1	7
19831	102965	2	2	2	1	2	2	2	3	1	4	131	190	90	30.8	2	5	4	43.8	11.5	3.82	1	7
19832	102966	3	1	2	1	1	2	2	3	1	4	144	190	90	28.2	2	5	4	49.4	11.9	3.78	1	7
19833	102967	3	1	2	1	1	2	2	3	1	1	144	190	80	28.0	2	5	4	45.6	11.5	3.82	1	7
19834	102968	3	2	2	1	1	2	2	3	1	4	138	189	80	29.0	2	5	4	44.1	10.1	4.15	1	7
19835	102969	2	2	2	1	2	2	2	3	1	1	144	190	90	27.2	2	5	4	52.9	11.0	3.81	1	7
19836	102970	2	3	2	3	2	2	2	3	1	4	127	184	65	29.4	2	5	4	41.7	12.4	3.79	1	9
19837	102971	2	3	2	3	2	2	1	3	1	4	124	190	80	24.4	2	5	4	36.8	12.2	3.70	1	9
19838	102972	3	1	2	1	2	2	2	3	1	2	144	190	90	27.8	2	5	4	55.6	10.6	3.96	1	7
19839	102973	3	1	2	1	2	2	2	3	1	4	144	190	80	25.2	2	5	4	50.9	11.6	3.87	1	7
19840	102974	3	1	2	1	2	2	2	3	1	4	144	189	85	26.6	2	5	4	48.4	11.7	3.76	1	7
19841	102975	3	1	2	1	2	2	2	3	1	4	144	189	80	26.4	2	5	4	49.4	11.4	3.85	1	7
19842	102976	3	1	2	3	2	2	2	3	1	4	144	189	90	22.0	2	5	4	44.4	11.9	3.86	1	7
19843	102977	3	1	2	1	2	2	2	3	1	1	144	189	80	26.0	2	5	4	53.8	11.6	3.70	1	7
19844	102978	2	1	2	1	2	2	2	3	1	1	126	190	85	27.4	2	5	4	43.6	11.5	3.91	1	7
19845	102979	2	3	2	1	2	2	2	3	1	4	126	190	85	30.6	2	5	4	41.3	11.0	3.81	1	7
19846	102980	3	1	2	1	2	2	2	1	1	1	146	191	90	25.2	2	5	4	53.7	12.6	3.88	1	7
19847	102981	2	3	2	3	2	2	2	3	1	4	127	189	75	22.8	2	5	4	49.5	12.3	3.57	1	9
19848	102982	2	3	2	3	1	2	2	3	1	4	134	189	75	26.6	2	5	4	48.7	12.1	3.71	1	9
19849	102983	2	3	2	1	1	2	2	3	1	4	134	189	75	30.0	2	5	4	48.1	11.7	3.58	1	9
19850	102984	2	2	2	1	1	2	2	3	1	4	144	189	81	30.8	2	5	4	41.0	12.1	3.55	1	7
19851	102985	2	2	2	1	2	2	2	3	1	4	135	190	75	26.4	2	5	4	45.0	12.9	3.64	1	9
19852	102986	2	3	2	1	1	2	2	3	1	4	138	190	75	19.2	2	5	4	48.9	12.6	3.65	1	9
19853	102987	3	3	2	1	1	2	2	3	1	1	144	189	80	28.0	2	5	4	42.0	13.4	3.73	1	7
19854	102988	3	1	2	1	2	2	2	3	1	4	144	191	80	30.0	2	5	4	47.4	13.0	3.84	1	7
19855	102989	3	3	2	1	1	2	2	3	1	4	144	190	80	32.4	2	5	4	47.5	11.6	3.87	1	9
19856	102990	2	3	2	1	1	2	2	3	1	4	134	190	60	24.8	2	5	4	45.5	13.4	3.50	1	9
19857	102991	2	1	2	1	2	2	2	3	1	4	126	191	85	30.8	2	5	4	44.7	11.0	3.90	1	7
19858	102992	2	3	2	3	2	2	2	3	1	4	144	189	70	25.4	2	5	4	44.1	11.0	3.81	1	9
19859	102993	1	3	2	1	2	2	2	3	1	4	127	189	75	27.0	2	5	4	47.1	11.7	3.84	1	9
19860	102994	1	3	2	3	2	2	2	3	1	4	127	189	75	25.6	2	5	4	44.8	11.4	3.94	1	9
19861	102995	2	3	2	1	2	2	2	3	1	1	144	189	80	26.0	2	5	4	42.1	14.4	3.47	1	9
19862	102996	2	2	2	1	2	2	2	3	-	4	144	190	85	29.6	2	5	4	-	-	-	1	9
19863	102997	2	2	2	3	2	2	2	3	1	4	144	190	85	27.0	2	5	4	39.6	13.7	3.64	1	9
19864	102998	2	3	2	1	2	2	2	3	1	4	135	180	70	24.0	2	5	4	46.5	11.7	3.67	1	9
19865	102999	2	3	2	1	2	2	2	3	1	1	128	190	80	24.8	2	5	4	41.0	10.7	4.01	1	9
19866	103000	2	3	2	1	2	2	2	3	1	4	131	190	75	17.6	2	5	4	46.3	11.3	3.89	1	7

IG	ICB	GHA	GCL	RNO	AOO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19867	103001	2	3	2	3	2	2	2	3	1	4	128	157	50	30.0	2	5	4	40.3	11.4	3.85	1	3
19868	103002	2	3	2	5	1	2	2	3	1	4	129	160	55	23.0	2	5	4	43.4	13.3	3.60	1	3
19869	103003	2	3	2	7	2	2	2	-	1	2	133	161	45	31.0	2	5	4	44.6	13.1	3.74	1	3
19870	103004	1	3	2	7	1	2	2	3	1	4	130	158	55	24.0	2	5	4	40.3	12.1	3.88	1	3
19871	103005	2	3	2	3	2	2	2	3	1	4	130	159	45	31.0	2	5	4	42.9	13.1	3.89	1	3
19872	103006	3	1	2	5	2	2	2	3	1	4	148	169	50	20.0	2	5	4	34.3	13.2	3.63	1	3
19873	103007	2	3	2	3	2	2	2	3	1	4	126	160	50	29.0	2	5	4	46.1	12.1	3.71	1	3
19874	103008	2	3	2	3	2	2	2	3	1	4	125	156	55	25.0	2	5	4	41.9	12.4	3.62	1	3
19875	103009	2	3	2	3	1	2	1	-	1	4	138	161	50	21.0	2	5	4	39.0	12.0	3.83	1	3
19876	103010	2	2	2	5	2	2	3	1	1	-	148	165	50	20.0	2	5	4	44.2	13.5	3.40	1	3
19877	103011	2	3	2	3	2	2	3	3	1	-	126	159	-	18.0	2	5	4	42.8	13.5	3.62	1	3
19878	103012	2	3	2	5	2	2	3	3	1	4	143	158	50	22.0	2	5	4	44.0	11.8	3.98	1	3
19879	103013	2	3	2	3	2	2	1	-	1	4	137	161	50	30.0	2	5	4	44.3	10.7	4.11	1	3
19880	103014	2	3	2	3	2	2	2	-	1	4	149	160	-	23.0	2	5	4	44.8	13.0	3.69	1	3
19881	103015	2	3	2	3	2	2	2	1	1	4	124	154	-	26.0	2	5	4	39.7	12.6	3.80	1	3
19882	103016	2	3	2	3	1	2	2	3	1	4	129	158	55	31.0	2	5	4	44.1	13.0	3.61	1	3
19883	103017	1	3	2	7	2	2	2	3	1	4	125	156	50	29.0	2	5	4	42.5	13.1	3.66	1	3
19884	103018	2	3	2	3	1	2	2	3	1	4	129	157	55	24.0	2	5	4	41.0	11.5	4.00	1	3
19885	103019	2	3	2	3	2	2	2	3	1	4	125	156	50	28.0	2	5	4	34.2	12.5	3.60	1	3
19886	103020	2	3	2	3	2	2	2	-	1	4	147	161	50	21.0	2	5	4	40.2	12.2	3.44	1	3
19887	103021	2	3	2	5	1	2	1	1	1	4	144	159	45	25.0	2	5	4	42.0	13.0	3.53	1	3
19888	103022	3	1	2	5	2	2	2	1	1	4	142	171	45	24.0	2	5	4	35.5	11.5	3.91	1	3
19889	103023	3	3	2	3	1	2	2	1	1	4	144	160	45	27.0	2	5	4	40.9	11.2	3.92	1	3
19890	103024	2	3	2	3	1	2	2	3	1	4	129	156	50	30.0	2	5	4	42.8	12.1	3.71	1	3
19891	103025	3	3	2	5	2	2	2	1	1	4	151	168	45	25.0	2	5	4	38.2	12.7	3.62	2	3
19892	103026	-	3	2	5	1	2	2	3	1	4	149	162	-	16.0	2	5	4	40.3	11.4	3.85	1	3
19893	103027	3	1	2	5	2	2	2	1	1	4	147	171	60	19.0	2	5	4	34.1	13.3	3.68	1	3
19894	103028	3	1	2	3	2	2	2	1	1	4	147	171	45	17.0	2	5	4	35.0	12.4	3.80	2	3
19895	103029	1	1	2	7	2	2	2	3	1	4	122	155	65	27.0	2	5	4	40.9	12.2	3.85	1	3
19896	103030	3	1	2	5	1	2	2	1	1	4	148	168	40	25.0	2	5	4	39.7	11.7	3.84	1	3
19897	103031	3	1	2	3	2	2	2	1	1	4	144	165	50	23.0	2	5	4	43.6	11.8	3.89	1	3
19898	103032	3	1	2	3	1	2	2	1	1	2	144	167	50	27.0	2	5	4	43.3	12.3	3.73	1	3
19899	103033	2	3	2	3	2	2	2	1	1	4	144	162	55	22.0	2	5	4	41.7	13.3	3.68	2	3
19900	103034	3	1	2	3	2	2	2	1	1	4	147	167	50	25.0	2	5	4	43.1	12.3	3.65	1	3
19901	103035	3	1	2	5	2	2	2	1	1	2	143	167	50	23.0	2	5	4	43.2	12.3	3.73	1	3
19902	103036	2	3	2	3	2	2	2	1	1	4	144	163	50	24.0	2	5	4	44.5	12.7	3.85	1	3
19903	103037	3	1	2	3	2	2	2	1	1	4	148	169	45	23.0	2	5	4	34.1	12.5	3.76	1	3
19904	103038	3	1	2	5	2	2	2	1	1	4	148	168	40	15.0	2	5	4	33.7	12.1	3.63	1	3
19905	103039	3	1	2	5	2	2	2	1	1	4	149	169	45	22.0	2	5	4	34.8	13.2	3.63	1	3
19906	103040	3	1	2	3	2	2	2	1	1	4	144	165	45	20.0	2	5	4	40.7	11.7	3.76	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19907	103041	2	3	2	3	2	2	2	3	1	4	123	156	50	24.0	2	5	4	43.4	12.5	3.76	1	3
19908	103042	1	3	2	3	2	2	2	3	1	4	123	156	50	26.0	2	5	4	39.8	13.7	3.58	1	3
19909	103043	3	3	1	5	2	2	1	1	1	5	125	174	50	28.0	2	5	4	33.6	15.3	3.54	1	3
19910	103044	1	3	2	5	2	2	2	3	1	4	122	156	55	24.0	2	5	4	41.1	14.1	3.61	1	3
19911	103045	3	1	2	5	2	2	2	1	1	1	148	172	50	26.0	2	5	4	39.1	12.7	3.79	1	3
19912	103046	2	3	2	3	2	2	2	1	1	4	149	164	45	18.0	2	5	4	38.2	14.9	3.53	2	3
19913	103047	2	3	2	3	1	2	2	1	1	4	148	160	45	27.0	2	5	4	40.9	11.8	3.89	2	3
19914	103048	1	3	2	7	2	2	2	3	1	4	123	156	45	24.0	2	5	4	37.4	12.9	3.87	1	3
19915	103049	1	3	2	7	2	2	2	-	1	4	132	158	50	28.0	2	5	4	43.0	13.2	3.78	1	3
19916	103050	3	1	2	7	2	2	2	1	1	4	148	175	50	20.0	2	5	4	39.8	13.6	3.67	1	3
19917	103051	2	3	2	5	2	2	2	3	1	4	130	168	55	36.0	2	5	4	39.9	13.9	3.66	1	3
19918	103052	1	3	2	3	2	2	2	3	1	4	127	158	55	25.0	2	5	4	43.4	-	-	1	3
19919	103053	2	3	2	3	2	2	2	3	1	4	151	164	40	22.0	2	5	4	43.9	13	3.76	1	3
19920	103054	3	1	1	5	2	2	1	3	1	4	149	175	50	17.0	2	5	4	30.6	10.5	3.90	1	3
19921	103055	3	1	2	5	2	2	2	1	1	4	150	172	40	23.0	2	5	4	27.2	12.7	3.70	1	3
19922	103056	3	1	2	5	2	2	2	-	1	4	148	171	-	21.0	2	5	4	32.2	11.7	3.93	1	3
19923	103057	2	3	2	3	2	2	2	1	1	4	149	165	45	28.0	2	5	4	44.8	12.0	3.91	2	3
19924	103058	2	3	2	5	2	2	2	3	1	4	150	164	45	21.0	2	4	4	43.9	16.7	3.41	1	3
19925	103059	2	3	2	3	2	2	2	1	1	4	144	157	45	24.0	2	5	4	40.1	12.8	3.82	1	3
19926	103060	2	2	2	3	2	2	2	1	1	4	130	165	45	20.0	2	5	4	40.5	10.6	4.15	1	3
19927	103061	1	3	2	7	2	2	2	1	1	4	122	156	55	22.0	2	5	4	41.5	12.0	3.91	1	3
19928	103062	1	3	2	7	2	2	2	3	1	4	123	156	55	22.0	2	5	4	41.1	13.5	3.77	1	3
19929	103063	2	3	2	3	2	2	2	3	1	4	125	156	55	25.0	2	5	4	38.0	13.2	3.65	1	3
19930	103064	3	1	2	3	1	2	2	1	1	4	144	168	45	21.0	2	5	4	39.1	12.3	3.82	2	3
19931	103065	1	3	2	5	2	2	2	3	1	4	123	155	60	22.0	2	5	4	40.9	13.7	3.61	1	3
19932	103066	1	3	2	5	2	2	2	3	1	4	123	156	55	20.0	2	5	4	43.1	13.6	3.53	1	3
19933	103067	1	3	2	5	2	2	2	3	1	4	125	156	50	23.0	2	5	4	44.4	13.1	3.60	1	3
19934	103068	2	3	2	3	2	2	2	1	1	4	130	159	-	20.0	2	5	4	43.4	12.4	3.76	1	3
19935	103069	3	2	1	3	2	2	1	1	1	4	144	174	40	19.0	2	5	4	34.2	12.5	3.76	2	3
19936	103070	3	1	2	5	2	2	2	1	1	2	144	171	50	22.0	2	5	4	38.7	12.0	3.91	1	3
19937	103071	1	3	2	5	1	2	2	3	1	4	123	156	60	29.0	2	5	4	41.5	11.3	4.07	1	3
19938	103072	3	2	2	3	2	2	2	1	1	4	126	168	45	26.0	2	5	4	38.4	12.4	3.79	1	3
19939	103073	3	1	2	3	2	2	2	1	1	4	144	171	45	22.0	2	5	4	35.8	-	-	1	3
19940	103074	3	1	2	1	2	2	2	1	1	4	150	171	45	21.0	2	5	4	28.2	-	-	1	3
19941	103075	3	1	2	3	2	2	2	1	1	2	143	166	45	22.0	2	5	4	43.9	12.1	3.80	1	3
19942	103076	2	3	2	3	1	2	2	3	1	4	121	156	55	22.0	2	5	4	38.1	-	-	1	3
19943	103077	1	3	2	5	2	2	2	3	1	4	124	156	50	25.0	2	5	4	38.8	15.2	3.56	1	3
19944	103078	1	3	2	5	2	2	2	3	1	4	126	160	50	26.0	2	5	4	41.2	-	-	1	3
19945	103079	1	3	2	5	2	2	2	3	1	4	122	158	45	22.0	2	5	4	38.4	11.5	4.00	1	3
19946	103080	1	3	2	5	2	2	2	3	1	4	122	156	50	23.0	2	5	4	38.7	15.2	3.42	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19947	103081	3	1	2	3	1	2	2	1	1	2	144	169	50	24.0	2	5	4	43.3	12.0	3.75	1	3
19948	103082	3	1	2	3	2	2	2	1	1	4	148	168	45	26.0	2	5	4	42.7	11.7	3.84	1	3
19949	103083	3	1	2	5	2	2	2	1	1	4	148	168	45	20.0	2	4	4	43.4	12.9	3.64	1	3
19950	103084	2	3	2	3	1	2	2	3	1	4	121	155	60	30.0	2	5	4	42.8	11.2	4.01	1	3
19951	103085	1	3	2	3	2	2	2	3	1	4	121	155	55	22.0	2	5	4	40.4	12.6	3.80	1	3
19952	103086	2	3	2	3	2	2	2	3	1	4	139	158	50	28.0	2	5	4	43.6	12.5	3.67	1	3
19953	103087	2	3	2	3	2	2	2	3	1	4	133	160	60	27.0	2	5	4	45.5	11.9	3.78	1	3
19954	103088	2	3	2	3	2	2	1	1	1	4	139	160	50	26.0	2	5	4	43.4	11.8	3.72	1	3
19955	103089	2	3	2	5	2	2	2	3	1	4	150	161	40	24.0	2	5	4	43.0	15.5	3.47	2	3
19956	103090	2	3	2	7	2	2	2	3	1	4	151	162	40	24.0	2	4	4	43.4	11.6	3.87	2	3
19957	103091	2	3	2	3	2	2	2	1	1	4	122	154	45	24.0	2	5	4	38.1	11.6	3.87	1	3
19958	103092	2	3	2	3	1	2	2	3	1	4	121	155	45	22.0	2	5	4	36.2	14.6	3.43	1	3
19959	103093	2	3	2	3	2	2	2	3	1	4	144	159	60	28.0	2	5	4	43.1	12.4	3.79	1	3
19960	103094	2	3	2	3	2	2	2	-	1	4	143	160	55	27.0	2	5	4	43.8	11.7	3.93	1	3
19961	103095	2	3	2	3	1	2	2	-	1	4	144	159	55	23.0	2	5	4	42.3	11.4	3.68	1	3
19962	103096	2	3	2	3	2	2	2	-	1	4	144	159	45	23.0	2	5	4	42.0	12.3	3.65	1	3
19963	103097	3	1	2	3	2	2	2	3	1	4	144	172	40	26.0	2	5	4	32.8	-	-	1	3
19964	103098	2	3	2	3	2	2	2	3	1	4	122	157	50	26.0	2	5	4	39.5	12.8	3.67	1	3
19965	103099	3	1	2	7	2	2	2	1	1	2	150	174	60	23.0	2	5	4	41.6	12.3	3.90	1	3
19966	103100	2	3	2	3	2	2	2	3	1	4	127	157	60	31.0	2	5	4	45.2	12.7	3.70	1	3
19967	103101	2	3	2	3	2	2	2	3	1	4	127	157	60	29.0	2	5	4	38.3	12.1	3.80	1	3
19968	103102	3	1	2	3	2	2	2	1	1	4	150	175	60	23.0	2	5	4	41.4	13.9	3.66	1	3
19969	103103	2	3	2	3	1	2	2	1	1	4	144	169	55	28.0	2	5	4	46.4	14.0	3.64	1	3
19970	103104	2	3	2	5	2	2	2	1	1	4	126	161	60	33.0	2	5	4	42.2	14.5	3.52	1	3
19971	103105	3	1	2	5	2	2	2	1	1	4	150	172	61	23.0	2	5	4	35.6	16.3	3.42	1	3
19972	103106	3	1	2	3	2	2	2	1	1	4	149	172	50	28.0	2	5	4	39.0	13.5	3.62	1	3
19973	103107	3	1	2	3	2	2	2	1	1	4	150	172	45	19.0	2	5	4	34.1	13.8	3.62	1	3
19974	103108	3	1	2	5	2	2	2	1	1	4	149	172	45	20.0	2	5	4	33.1	14.6	3.56	1	3
19975	103109	3	1	2	7	2	2	2	1	1	4	148	172	50	20.0	2	5	4	37.0	15.2	3.55	2	3
19976	103110	2	3	2	3	2	2	2	1	1	4	123	156	55	28.0	2	5	4	42.2	12.2	3.70	1	3
19977	103111	2	3	2	5	2	2	2	3	1	4	125	156	55	22.0	2	5	4	41.1	13.8	3.52	1	3
19978	103112	3	1	2	3	2	2	2	1	1	2	144	171	45	30.0	2	5	4	37.3	14.3	3.70	1	3
19979	103113	1	3	2	3	2	2	2	3	1	4	126	156	50	19.0	2	5	4	41.7	12.1	3.96	1	3
19980	103114	3	1	2	5	2	2	2	1	1	4	148	175	60	20.0	2	5	4	41.0	12.4	3.79	1	3
19981	103115	1	3	2	7	1	2	2	1	1	4	123	156	60	29.0	2	5	4	39.8	12.2	3.70	1	3
19982	103116	3	1	2	7	2	2	2	1	1	4	148	172	45	25.0	2	5	4	40.9	12.4	3.80	1	3
19983	103117	3	1	2	7	2	2	2	1	1	4	150	172	50	20.0	2	5	4	39.7	11.5	3.82	1	3
19984	103118	3	1	2	3	2	2	2	1	1	4	150	171	50	24.0	2	5	4	37.0	12.4	3.70	1	3
19985	103119	3	1	2	7	2	2	2	1	1	4	149	170	50	20.0	2	5	4	36.7	12.1	3.96	1	3
19986	103120	3	1	2	3	2	2	2	1	1	4	150	174	40	17.0	2	5	4	31.1	12.4	3.80	1	3

IG	ICB	GHA	GCL	RNO	AOO	ARG	KCV	RHL	GOO	LOO	KOO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
19987	103121	3	1	1	5	2	2	1	1	1	4	144	175	50	19.0	2	5	4	31.6	10.9	4.03	1	3
19988	103122	3	1	2	3	2	2	2	1	1	4	148	176	55	24.0	2	5	4	36.8	11.5	3.91	1	3
19989	103123	3	1	1	5	2	2	1	5	1	4	149	174	50	21.0	2	5	4	33.6	-	-	1	3
19990	103124	3	1	2	5	1	2	2	1	1	2	151	176	45	27.0	2	5	4	31.0	13.3	3.68	1	3
19991	103125	3	1	2	5	2	2	2	1	1	4	150	174	45	22.0	2	5	4	31.9	11.4	3.94	1	3
19992	103126	3	1	1	5	2	2	1	9	1	4	143	170	50	17.0	2	5	4	31.2	11.4	3.94	1	3
19993	103127	1	3	2	3	2	2	2	3	1	4	126	156	50	25.0	2	5	4	38.9	10.9	3.94	1	3
19994	103128	3	2	2	5	2	2	2	1	1	4	148	171	45	26.0	2	5	4	38.1	10.9	3.85	1	3
19995	103129	1	3	2	5	2	2	2	1	1	4	126	154	50	22.0	2	5	4	41.7	12.4	3.95	1	3
19996	103130	3	1	2	3	2	2	2	1	1	4	149	176	60	25.0	2	5	4	41.4	11.8	3.89	1	3
19997	103131	3	1	2	7	2	2	2	1	1	4	150	175	50	22.0	2	5	4	34.6	13.7	3.64	1	3
19998	103132	-	3	2	-	2	2	2	1	1	4	128	177	50	15.0	2	-	4	30.1	12.9	3.72	-	5
19999	103133	3	1	2	7	1	2	2	1	1	4	150	175	55	19.0	2	5	4	31.3	13.7	3.72	1	3
20000	103134	3	1	2	5	2	2	2	1	1	4	148	174	50	20.0	2	5	4	36.9	13.4	3.65	2	3
20001	103135	3	1	2	5	2	2	2	1	1	2	150	174	50	20.0	2	5	4	34.4	11.5	3.82	1	3
20002	103136	3	1	2	5	2	2	2	1	1	2	149	174	50	24.0	2	5	4	31.0	13.4	3.73	1	3
20003	103137	3	1	2	5	1	2	2	1	1	4	148	174	45	14.0	2	5	4	30.7	13.7	3.64	1	3
20004	103138	1	3	2	5	2	2	2	1	1	4	128	154	50	28.0	2	5	4	40.9	13.2	3.78	1	3
20005	103139	3	1	2	7	2	2	2	1	1	2	147	170	50	24.0	2	5	4	38.1	12.0	3.83	1	3
20006	103140	3	1	2	5	1	2	2	1	1	4	148	172	50	20.0	2	5	4	33.4	11.9	3.86	1	3
20007	103141	3	1	2	3	2	2	2	3	1	1	150	174	50	24.0	2	5	4	33.1	11.9	3.86	1	3
20008	103142	3	1	2	7	1	2	2	3	1	4	149	172	50	24.0	2	5	4	34.8	13.5	3.85	1	3
20009	103143	3	1	2	3	2	2	2	1	1	4	148	172	50	23.0	2	5	4	36.0	12.7	3.70	1	3
20010	103144	3	1	2	3	1	2	2	1	1	4	144	170	50	29.0	2	5	4	39.0	12.1	3.96	1	3
20011	103145	3	1	2	3	2	2	2	1	1	2	149	171	50	23.0	2	5	4	30.8	12.0	3.75	1	3
20012	103146	2	2	2	7	1	2	2	1	1	4	151	164	35	24.0	2	5	4	42.4	13.1	3.81	1	3
20013	103147	2	2	2	3	1	2	2	1	1	4	150	160	40	24.0	2	5	4	38.8	11.6	3.87	1	3
20014	103148	2	2	2	3	2	2	2	1	1	4	151	161	40	22.0	2	5	4	39.7	12.1	3.80	2	3
20015	103149	3	1	2	3	2	2	2	1	1	4	149	176	50	28.0	2	5	4	39.0	12.5	3.84	1	3
20016	103150	3	1	2	3	2	2	2	1	1	4	144	177	65	28.0	2	5	4	46.9	12.1	3.96	1	3
20017	103151	3	1	2	3	2	2	2	1	1	4	148	177	70	28.0	2	5	4	44.5	13.2	3.78	1	3
20018	103152	3	1	2	3	2	2	2	1	1	4	149	175	45	25.0	2	5	4	39.1	12.2	3.85	1	3
20019	103153	3	1	2	3	2	2	2	1	1	4	149	175	45	26.0	2	5	4	34.7	12.2	3.85	1	3
20020	103154	2	3	2	3	1	2	1	-	1	4	144	159	50	29.0	2	5	4	42.3	11.8	3.72	1	3
20021	103155	3	1	2	3	2	2	2	1	1	4	150	174	45	24.0	2	5	4	29.7	11.2	4.01	1	3
20022	103156	3	1	2	3	1	2	2	1	1	4	150	175	45	26.0	2	5	4	33.4	11.6	3.96	1	3
20023	103157	1	3	2	7	2	2	2	-	1	4	122	156	45	24.0	2	5	4	45.2	13.3	3.90	1	3
20024	103158	3	1	2	3	2	2	2	1	1	4	149	174	45	22.0	2	5	4	32.5	11.3	3.98	1	3
20025	103159	2	3	2	7	2	2	2	9	1	5	123	156	50	23.0	2	5	4	41.2	12.9	3.95	1	3
20026	103160	2	2	2	3	1	2	2	1	1	4	150	162	40	25.0	2	5	4	44.3	12.1	3.96	2	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20027	103161	3	1	2	5	2	2	2	1	1	4	144	175	50	25.0	2	5	4	38.4	12.9	3.87	1	3
20028	103162	3	1	2	3	2	2	2	1	1	4	148	175	50	19.0	2	5	4	35.8	11.6	4.05	1	3
20029	103163	2	1	1	5	2	2	2	1	1	2	150	179	45	20.0	2	5	4	25.5	11.4	4.03	1	3
20030	103164	3	1	2	5	2	2	2	1	1	2	150	174	50	25.0	2	5	4	29.8	11.8	3.89	1	3
20031	103165	2	2	2	5	2	2	2	1	1	4	144	168	45	24.0	2	5	4	39.8	13.0	3.62	1	3
20032	103166	3	1	2	3	2	2	2	1	1	4	148	175	45	21.0	2	5	4	37.7	11.3	3.98	1	3
20033	103167	3	2	2	5	2	2	2	1	1	4	149	175	45	20.0	2	5	4	42.2	11.5	4.00	1	3
20034	103168	2	3	2	3	2	2	2	1	1	4	122	154	50	22.0	2	5	4	39.7	12.1	3.81	1	3
20035	103169	2	3	1	3	2	2	2	-	1	4	126	156	50	17.0	2	5	4	29.2	-	-	1	5
20036	103170	2	3	1	5	2	2	2	-	1	4	126	161	50	21.0	2	5	4	26.5	14.1	3.61	1	7
20037	103171	2	3	2	3	2	2	1	1	1	5	120	154	55	26.0	2	5	4	33.5	15.0	3.59	1	3
20038	103172	2	3	1	3	2	2	1	3	1	4	121	159	60	24.0	2	5	4	28.9	15.7	3.55	1	5
20039	103173	1	3	1	5	2	2	1	1	1	5	121	152	45	18.0	2	5	4	25.8	14.3	3.55	1	3
20040	103174	2	3	2	3	2	2	1	1	1	4	122	161	40	24.0	2	5	4	35.6	15.5	3.48	1	3
20041	103175	2	3	2	3	2	2	1	3	1	4	130	159	50	28.0	2	5	4	37.6	16.5	3.42	1	3
20042	103176	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	5	-	-	11.7	4.01	1	-
20043	103177	2	3	2	3	2	2	1	1	1	4	130	167	60	37.0	2	5	4	38.5	15.2	3.59	1	3
20044	103178	2	3	2	3	2	2	2	1	1	4	130	162	55	27.0	2	5	4	32.7	13.3	3.75	1	3
20045	103179	2	3	2	3	2	2	2	1	1	4	138	162	55	28.0	2	5	4	33.6	16.3	3.53	1	3
20046	103180	2	3	2	5	2	2	2	3	1	4	138	160	50	29.0	2	5	4	36.9	14.8	3.61	2	3
20047	103181	2	3	2	3	2	2	2	1	1	4	135	162	55	28.0	2	5	4	34.0	16.9	3.43	2	3
20048	103182	2	3	2	5	2	2	2	1	1	4	127	159	55	30.0	2	5	4	41.3	14.3	3.70	1	3
20049	103183	2	3	2	3	2	2	1	1	1	2	136	161	50	26.0	2	5	4	41.8	14.7	3.48	1	3
20050	103184	2	3	1	5	2	2	1	1	1	4	137	169	45	17.0	2	5	4	27.1	14.1	3.68	1	3
20051	103185	2	2	1	5	2	2	1	3	1	4	141	171	60	23.0	2	5	4	23.7	16.8	3.45	1	3
20052	103186	2	3	2	5	2	2	1	1	1	4	134	161	55	29.0	2	5	4	38.6	-	-	2	3
20053	103187	2	3	2	5	2	1	-	1	1	-	132	169	60	36.0	2	5	4	34.2	-	-	1	3
20054	103188	-	3	2	3	2	2	2	1	1	4	143	161	60	40.0	2	5	4	41.8	14.5	3.65	2	3
20055	103189	-	3	1	3	2	2	1	1	1	4	144	175	50	18.0	1	5	4	27.6	15.0	3.64	1	3
20056	103190	1	3	1	3	2	1	-	1	1	-	125	157	50	22.0	3	5	4	27.7	13.9	3.50	1	3
20057	103191	1	3	2	7	2	2	2	9	1	2	125	152	55	25.0	2	5	4	38.0	14.6	3.56	1	3
20058	103192	1	3	3	7	2	2	1	9	2	2	125	157	50	22.0	1	5	4	41.6	15.4	3.50	1	3
20059	103193	1	3	2	7	2	2	1	-	1	2	127	161	60	26.0	2	5	4	42.7	14.0	3.62	1	3
20060	103194	1	3	2	7	2	2	1	9	2	3	125	155	50	25.0	2	5	4	42.5	14.0	3.78	1	3
20061	103195	1	3	2	7	2	2	1	9	2	3	125	155	55	30.0	2	5	4	48.3	17.7	3.38	1	3
20062	103196	1	3	3	9	2	2	1	7	2	3	120	152	50	26.0	2	5	4	35.4	14.0	3.71	1	3
20063	103197	1	3	3	7	2	2	9	2	3	3	120	152	60	29.0	2	5	4	41.7	12.9	3.68	1	3
20064	103198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20065	103199	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20066	103200	1	3	1	5	2	2	1	1	1	4	143	174	60	15.0	2	5	4	38.9	15.0	3.62	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20067	103201	1	3	3	9	2	2	1	7	2	3	126	153	60	25.0	2	5	4	46.0	12.7	3.93	1	3
20068	103202	1	3	3	9	2	2	1	7	2	3	126	153	60	23.0	2	5	4	42.6	13.7	3.64	1	3
20069	103203	1	3	3	9	2	2	1	7	2	3	125	153	50	22.0	1	5	4	39.0	13.2	3.86	1	3
20070	103204	1	3	3	9	2	2	1	7	2	3	122	153	60	27.0	1	5	4	40.3	12.6	3.77	1	3
20071	103205	1	3	3	9	2	2	1	7	2	3	122	153	60	26.0	1	5	4	43.6	14.1	3.64	1	3
20072	103206	1	3	3	9	2	2	1	7	2	3	121	145	50	20.0	1	5	4	42.2	14.3	3.63	1	3
20073	103207	1	3	3	9	2	2	1	7	2	3	121	147	50	22.0	1	5	4	40.0	14.8	3.71	1	3
20074	103208	1	3	3	9	2	2	1	7	2	3	120	148	50	19.0	1	5	4	37.8	13.4	3.78	1	3
20075	103209	1	3	3	3	2	2	2	9	1	5	117	141	50	17.0	1	5	4	32.0	15.0	3.61	1	3
20076	103210	1	3	3	5	2	2	1	9	1	2	118	142	50	20.0	1	5	4	36.5	14.2	3.69	1	3
20077	103211	1	3	3	9	2	2	1	7	2	3	123	156	65	29.0	1	5	4	44.9	-	-	1	3
20078	103212	1	3	3	5	2	2	2	9	2	3	119	145	50	19.0	1	5	4	34.9	12.3	3.90	1	3
20079	103213	1	3	3	7	2	2	2	9	2	3	117	141	50	17.0	1	5	4	37.2	14.0	3.71	1	3
20080	103214	1	3	3	5	2	2	1	7	2	3	150	162	40	25.0	1	5	4	40.3	16.1	3.60	1	3
20081	103215	1	3	3	5	2	2	1	7	2	3	144	160	50	27.0	1	5	4	44.1	15.2	3.55	1	3
20082	103216	1	3	3	5	2	2	1	7	2	3	151	165	40	23.0	1	5	4	41.3	12.8	3.90	2	3
20083	103217	1	3	3	5	2	2	1	7	2	3	151	164	40	24.0	1	5	4	39.2	13.6	3.82	1	3
20084	103218	1	3	3	7	2	2	1	7	2	3	151	164	40	24.0	1	5	4	40.3	16.0	3.56	1	3
20085	103219	1	3	3	7	2	2	1	7	2	3	151	164	40	25.0	1	5	4	43.8	15.0	3.66	2	3
20086	103220	1	3	1	5	2	2	1	9	1	3	137	160	50	26.0	2	5	4	38.2	14.3	3.63	1	3
20087	103221	1	3	3	5	2	2	1	7	2	3	138	170	55	25.0	2	5	4	43.4	14.9	3.62	1	3
20088	103222	1	3	3	5	2	2	1	7	2	3	138	162	45	21.0	1	5	4	42.2	15.2	3.61	1	3
20089	103223	1	3	3	5	2	2	1	7	2	3	143	161	40	24.0	1	5	4	42.1	14.2	3.73	1	3
20090	103224	1	3	3	5	2	2	2	7	2	3	144	161	40	23.0	1	5	4	43.6	14.5	3.72	1	3
20091	103225	1	3	3	5	2	2	2	9	2	3	119	146	60	22.0	1	5	4	38.5	13.7	3.64	1	5
20092	103226	1	3	3	5	2	2	2	7	2	3	117	144	55	21.0	1	5	4	36.1	14.2	3.65	1	3
20093	103227	1	3	3	5	2	2	2	7	2	3	118	142	55	16.0	1	5	4	36.2	15.4	3.50	1	3
20094	103228	1	3	3	7	2	2	1	9	2	3	125	154	60	27.0	1	5	4	43.9	-	-	1	3
20095	103229	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.6	3.63	-	-
20096	103230	1	3	3	7	2	2	2	9	2	3	125	154	65	21.0	1	5	4	44.4	14.9	3.51	1	3
20097	103231	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20098	103232	1	3	3	7	2	2	2	7	2	3	119	146	60	22.0	1	5	4	43.2	16.9	3.49	1	3
20099	103233	-	-	3	5	-	2	-	-	-	-	-	-	-	27.0	1	5	4	-	-	-	1	-
20100	103234	1	3	3	3	2	2	1	9	1	5	116	143	55	18.0	1	5	4	39.1	13.8	3.78	1	3
20101	103235	1	3	3	3	2	2	1	7	2	5	121	154	60	21.0	1	5	4	43.1	-	-	1	3
20102	103236	1	3	3	7	2	2	1	7	2	3	119	145	55	26.0	1	5	4	38.3	14.8	3.62	1	3
20103	103237	1	3	3	7	2	2	1	7	2	3	119	146	50	20.0	1	5	4	38.3	14.9	3.69	1	3
20104	103238	1	3	3	5	2	2	1	7	1	2	121	153	60	22.0	1	5	4	44.2	13.3	3.78	1	3
20105	103239	2	3	3	3	2	2	1	1	1	2	120	151	55	21.0	1	5	4	38.0	13.6	3.82	1	3
20106	103240	1	3	3	7	2	2	2	1	1	2	119	150	50	29.0	1	5	4	39.3	13.3	3.90	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20107	103241	1	3	3	5	2	2	2	1	2	2	117	144	55	27.0	1	5	4	34.3	14.0	3.71	1	3
20108	103242	1	3	3	9	2	2	1	7	2	3	120	154	65	21.0	1	5	4	50.9	14.4	3.57	1	3
20109	103243	1	3	3	9	2	2	2	7	2	3	120	154	65	23.0	1	5	4	43.7	-	-	1	3
20110	103244	1	3	3	5	2	2	2	9	2	2	120	153	55	26.0	1	5	4	37.7	13.7	3.72	1	3
20111	103245	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20112	103246	1	3	3	3	2	2	1	3	1	4	121	156	50	26.0	1	5	4	37.4	14.6	3.56	1	3
20113	103247	1	2	3	9	2	-	1	9	-	-	128	156	60	26.0	1	5	4	-	14.3	3.63	1	3
20114	103248	1	3	3	7	2	2	-	7	-	-	121	156	50	26.0	1	5	4	-	15.4	3.50	1	3
20115	103249	1	3	3	9	2	2	1	7	-	-	122	157	50	26.0	1	5	4	-	-	-	1	3
20116	103250	1	3	3	9	2	2	1	9	2	2	128	159	60	28.0	1	5	4	49.3	14.5	3.58	1	3
20117	103251	1	3	3	5	2	2	1	-	1	2	122	155	60	29.0	1	5	4	47.1	13.0	3.78	1	3
20118	103252	1	3	3	5	2	2	1	-	1	2	121	151	60	21.0	1	5	4	43.4	13.6	3.75	1	3
20119	103253	1	3	3	7	2	2	1	-	2	3	125	156	50	21.0	1	5	4	37.8	14.1	3.61	1	3
20120	103254	1	3	3	7	2	2	1	7	2	3	119	145	55	26.0	1	5	4	39.1	15.4	3.50	1	3
20121	103255	1	3	3	5	2	2	1	7	2	3	119	146	55	22.0	1	5	4	35.1	15.0	3.55	1	3
20122	103256	1	3	3	5	2	2	1	7	2	3	117	146	60	22.0	1	5	4	37.0	14.2	3.61	1	3
20123	103257	1	3	3	7	2	2	1	1	2	3	119	148	60	30.0	1	5	4	42.6	13.5	3.76	1	3
20124	103258	1	3	3	5	2	2	1	7	2	3	118	147	65	23.0	1	5	4	37.1	15.4	3.57	1	3
20125	103259	1	3	3	7	2	2	2	7	2	3	119	153	60	29.0	1	5	4	38.7	-	-	1	3
20126	103260	1	3	3	5	2	2	2	7	2	3	119	148	60	26.0	1	5	4	36.4	15.4	3.57	1	3
20127	103261	1	3	3	7	2	2	1	7	2	3	120	154	60	27.0	1	5	4	37.8	14.7	3.67	1	3
20128	103262	1	3	3	5	2	2	1	7	2	3	118	149	60	23.0	1	5	4	36.0	-	-	1	3
20129	103263	1	3	3	5	2	2	1	7	2	3	119	148	55	27.0	1	5	4	36.8	13.9	3.69	1	3
20130	103264	1	3	3	3	2	2	2	7	2	3	118	147	60	25.0	1	5	4	36.0	14.7	3.60	1	3
20131	103265	1	3	3	7	2	2	1	7	2	3	120	155	55	21.0	1	5	4	43.1	16.1	3.47	1	3
20132	103266	1	3	3	3	2	2	1	-	2	3	116	147	60	27.0	1	5	4	35.8	15.8	3.54	1	3
20133	103267	1	3	3	5	2	2	1	-	1	3	117	146	60	30.0	1	5	4	35.9	16.2	3.45	1	3
20134	103268	1	3	3	5	2	2	2	7	2	3	119	148	65	32.0	1	5	4	37.3	13.6	3.75	1	3
20135	103269	2	1	3	5	2	2	1	3	1	4	143	170	-	22.0	1	5	4	39.4	14.0	3.64	1	3
20136	103270	1	3	3	5	2	2	2	7	2	3	119	146	55	24.0	1	5	4	36.5	15.7	3.50	1	3
20137	103271	1	3	3	5	2	2	2	7	2	3	121	153	65	25.0	1	5	4	44.5	13.3	3.63	1	3
20138	103272	1	3	3	5	2	2	1	7	2	3	118	146	65	25.0	1	5	4	37.1	14.4	3.59	1	3
20139	103273	1	3	3	5	2	2	1	7	2	3	119	153	55	27.0	1	5	4	37.0	12.8	3.67	1	3
20140	103274	1	3	3	7	2	2	2	-	1	3	118	145	60	29.0	1	5	4	34.8	14.7	3.60	1	3
20141	103275	1	3	3	7	2	2	2	7	2	3	120	147	60	27.0	1	5	4	38.4	14.4	3.61	1	3
20142	103276	2	3	2	9	2	2	2	7	2	3	126	156	50	22.0	3	5	4	41.2	13.6	3.82	1	3
20143	103277	1	3	3	5	2	2	2	7	2	3	122	153	55	21.0	1	5	4	40.5	13.7	3.68	1	3
20144	103278	1	3	3	7	2	2	2	7	2	3	121	153	55	22.0	1	5	4	42.0	13.8	3.67	1	3
20145	103279	1	3	3	5	2	2	2	7	2	3	121	153	60	26.0	1	5	4	39.4	13.7	3.56	1	3
20146	103280	1	3	3	7	2	2	2	7	2	3	119	153	60	26.0	1	5	4	42.3	13.3	3.69	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20147	103281	1	3	3	7	2	2	1	7	2	3	120	151	55	24.0	1	5	4	39.2	16.4	3.41	1	3
20148	103282	1	3	3	7	2	2	1	7	2	3	121	153	50	19.0	1	5	4	39.6	13.8	3.58	1	3
20149	103283	1	3	3	3	2	2	2	-	1	2	119	148	45	19.0	1	5	4	35.2	11.9	3.90	1	3
20150	103284	1	3	3	9	2	2	1	7	2	3	125	156	60	32.0	1	5	4	46.2	12.8	3.76	1	3
20151	103285	1	3	3	9	2	2	2	7	2	3	119	153	50	23.0	1	5	4	38.0	13.1	3.71	1	3
20152	103286	1	3	3	3	2	2	2	-	1	2	119	151	55	22.0	1	5	4	39.7	12.7	3.85	1	3
20153	103287	1	3	2	9	2	1	1	7	1	-	120	152	65	22.0	1	5	4	37.5	15.6	3.47	1	3
20154	103288	1	3	3	5	2	2	2	9	1	2	121	155	50	19.0	1	5	4	44.4	15.4	3.57	1	7
20155	103289	1	3	1	5	2	1	1	3	1	-	125	157	45	23.0	3	5	4	27.7	13.7	3.64	1	3
20156	103290	2	3	2	5	2	2	2	3	1	4	132	160	-	18.0	3	5	4	44.3	-	-	1	3
20157	103291	2	3	2	3	2	2	1	3	1	4	129	159	50	22.0	3	5	4	46.8	15.9	3.54	1	3
20158	103292	2	3	2	3	2	2	1	3	1	4	129	159	50	22.0	3	5	4	47.4	15.0	3.53	1	3
20159	103293	2	3	2	3	2	2	1	3	1	4	130	160	50	19.0	3	5	4	46.3	15.7	3.43	1	3
20160	103294	1	3	3	9	2	2	2	7	2	3	125	155	55	24.0	2	5	4	45.2	15.1	3.52	1	3
20161	103295	1	3	3	3	2	2	2	3	1	4	125	157	55	22.0	2	5	4	53.2	16.0	3.56	1	3
20162	103296	1	3	3	7	2	2	2	9	2	3	120	155	50	29.0	1	5	4	39.1	16.1	3.54	1	3
20163	103297	1	3	2	7	2	1	1	9	1	-	126	156	60	35.0	2	5	4	40.1	17.4	3.26	1	3
20164	103298	1	3	3	3	2	2	2	3	1	4	126	157	55	31.0	1	5	4	54.3	15.0	3.58	1	3
20165	103299	1	3	3	7	2	2	2	9	-	3	126	161	60	33.0	1	5	4	-	-	-	1	3
20166	103300	1	3	3	9	2	2	2	7	2	3	125	155	65	27.0	1	5	4	47.6	15.7	3.56	1	3
20167	103301	1	3	3	9	2	2	2	7	2	3	125	155	70	28.0	1	5	4	46.2	16.2	3.58	1	3
20168	103302	1	3	3	3	2	2	2	-	1	4	122	155	60	25.0	1	5	4	46.1	13.8	3.55	1	3
20169	103303	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20170	103304	1	3	3	5	2	2	2	-	2	5	127	155	50	32.0	1	5	4	47.7	13.1	3.69	1	3
20171	103305	1	3	3	3	2	2	2	-	2	-	137	161	45	33.0	3	5	4	41.4	15.4	3.59	1	3
20172	103306	2	3	3	5	2	2	1	3	1	4	135	161	50	31.0	3	5	4	41.0	15.3	3.66	1	3
20173	103307	2	3	3	5	2	2	-	3	1	4	130	160	50	27.0	3	5	4	44.3	15.7	3.56	1	3
20174	103308	1	3	3	7	2	2	1	7	2	3	125	156	55	30.0	1	5	4	40.9	14.6	3.76	1	3
20175	103309	1	3	-	3	2	2	-	1	1	4	130	171	50	-	2	5	-	32.7	-	-	1	3
20176	103310	1	3	3	3	2	-	2	9	-	-	127	157	55	36.0	1	5	4	-	-	-	1	3
20177	103311	2	3	2	3	2	2	1	3	1	4	132	161	55	28.0	2	5	4	47.7	15.0	3.60	1	3
20178	103312	1	3	3	7	2	2	1	9	2	3	133	160	55	22.0	1	5	4	50.8	16.4	3.46	1	3
20179	103313	2	3	3	3	2	2	1	9	1	4	136	161	50	32.0	1	5	4	44.0	14.2	3.73	1	3
20180	103314	2	3	2	3	2	2	1	3	1	4	131	161	50	25.0	2	5	4	43.3	14.1	3.68	1	3
20182	103315	1	3	3	7	2	2	2	7	2	3	136	160	50	24.0	1	5	4	46.2	14.7	3.53	1	3
20183	103316	1	3	2	7	2	2	1	7	2	3	132	156	50	24.0	1	5	4	41.6	15.5	3.67	1	3
20184	103317	1	3	3	5	2	2	1	9	2	3	134	164	50	24.0	1	5	4	57.1	15.5	3.53	1	3
20185	103318	1	3	1	7	2	2	1	7	2	3	126	157	55	17.0	2	5	4	33.3	14.3	3.77	1	3
20186	103319	1	3	3	7	2	2	1	9	2	3	127	159	50	36.0	1	5	4	51.3	16.5	3.45	1	3
20187	103320	1	2	3	5	2	1	1	9	1	-	132	164	50	28.0	1	5	4	35.7	13.8	3.69	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20188	103321	1	2	2	5	2	1	1	1	1	-	137	174	55	20.0	3	5	4	38.1	15.4	3.57	1	3
20189	103322	1	3	2	3	2	1	1	1	1	-	126	156	55	25.0	2	5	4	38.2	15.0	3.53	1	3
20190	103323	2	3	3	3	2	1	1	1	1	-	133	159	45	25.0	1	5	4	36.8	16.0	3.37	1	3
20191	103324	2	3	2	7	2	1	1	7	1	-	133	160	45	23.0	2	5	4	36.0	15.9	3.45	1	3
20192	103325	1	3	2	7	2	1	1	7	1	-	130	159	45	26.0	2	5	4	37.3	16.5	3.31	1	3
20193	103326	1	3	3	5	2	2	1	9	1	2	126	160	50	29.0	1	5	4	41.7	15.2	3.54	1	3
20194	103327	2	3	3	9	2	2	2	7	2	3	125	156	50	27.0	1	5	4	44.1	13.4	3.73	1	3
20195	103328	1	3	3	9	2	2	2	7	2	3	126	160	50	29.0	1	5	4	45.5	12.4	3.95	1	3
20196	103329	1	3	2	7	2	2	1	7	2	3	132	159	45	24.0	3	4	4	40.7	15.3	3.59	1	3
20197	103330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20198	103331	1	3	3	5	2	2	2	1	1	2	123	154	50	24.0	1	5	4	37.4	15.3	3.66	1	3
20199	103332	1	3	3	5	2	2	2	1	1	2	122	153	50	26.0	1	5	4	39.1	14.0	3.78	1	3
20200	103333	1	3	3	7	2	2	1	-	1	2	126	157	50	29.0	1	5	4	44.6	-	-	1	3
20201	103334	1	3	3	7	2	2	1	-	1	2	126	157	50	28.0	1	5	4	42.5	-	-	1	3
20202	103335	1	3	1	5	2	2	2	1	1	4	122	171	50	-	1	5	4	31.3	13.5	3.77	1	3
20203	103336	1	3	3	7	2	2	1	9	-	-	126	145	55	28.0	1	5	4	-	-	-	1	3
20204	103337	1	3	3	5	2	2	1	7	1	-	122	156	55	25.0	1	5	4	45.0	-	-	1	3
20205	103338	2	3	2	5	2	2	1	3	1	4	127	160	55	26.0	3	5	4	55.7	16.0	3.50	1	3
20206	103339	1	3	3	7	2	2	1	7	2	3	127	159	60	26.0	1	5	4	50.0	14.9	3.43	1	3
20207	103340	2	3	3	5	2	2	1	1	1	4	127	159	50	27.0	2	5	4	50.3	14.0	3.70	1	3
20208	103341	2	3	3	5	2	2	1	1	1	4	127	159	50	26.0	2	5	4	51.0	13.0	3.76	1	3
20209	103342	2	2	2	7	2	1	1	7	1	-	134	162	50	27.0	2	5	4	44.1	14.6	3.63	1	3
20210	103343	2	3	3	3	2	2	1	3	1	4	126	159	55	27.0	1	5	4	49.2	15.4	3.43	1	3
20211	103344	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20212	103345	2	3	3	7	2	2	1	9	1	2	124	157	50	26.0	1	5	4	44.3	14.3	3.64	1	3
20213	103346	1	3	3	5	2	2	2	1	1	2	123	155	45	25.0	1	5	4	37.9	15.3	3.59	1	3
20214	103347	1	3	3	5	-	2	2	1	1	2	122	159	-	25.0	1	5	4	42.2	15.0	3.60	1	3
20215	103348	1	3	3	5	2	2	2	1	1	2	126	160	55	27.0	1	5	4	42.6	14.7	3.59	1	3
20216	103349	1	3	3	5	2	2	1	9	1	2	126	170	65	32.0	2	5	4	49.1	17.4	3.47	1	3
20217	103350	1	3	3	7	2	2	2	9	1	2	125	156	70	31.0	2	5	4	43.4	14.0	3.67	1	3
20218	103351	1	2	3	7	2	2	2	7	2	3	132	166	70	31.0	3	4	4	55.1	15.2	3.57	1	3
20219	103352	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20220	103353	1	3	3	5	2	2	2	7	2	3	127	159	60	29.0	3	5	4	47.0	16.4	3.43	1	3
20221	103354	1	3	3	5	2	2	2	7	2	3	129	159	60	32.0	3	5	4	45.1	14.4	3.75	1	3
20222	103355	1	3	3	5	2	2	2	7	2	3	127	159	50	30.0	3	5	4	49.0	16.4	3.37	1	3
20223	103356	1	3	3	5	2	2	2	9	1	5	127	157	60	28.0	3	5	4	49.5	15.9	3.32	1	3
20224	103357	1	3	3	3	2	2	2	1	2	2	125	160	55	32.0	2	5	4	49.0	15.3	3.46	1	3
20225	103358	-	-	-	5	-	2	-	-	1	2	-	-	-	-	-	5	-	39.5	-	-	1	-
20226	103359	1	3	3	5	2	2	2	9	2	5	125	169	60	29.0	3	5	4	45.3	15.7	3.46	1	3
20227	103360	1	3	3	5	2	2	2	9	2	5	128	158	50	30.0	1	5	4	42.5	12.5	4.00	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20228	103361	1	3	3	9	2	2	2	7	2	3	127	160	55	24.0	1	5	4	45.6	12.9	3.71	1	3
20229	103362	1	3	3	9	2	2	-	7	2	3	126	160	60	31.0	1	5	4	47.5	11.8	3.98	1	3
20230	103363	1	3	3	3	2	2	-	3	1	4	121	157	55	33.0	1	5	4	44.8	13.4	3.88	1	3
20231	103364	2	3	3	5	2	2	2	7	2	3	118	147	50	24.0	1	5	4	34.9	14.2	3.68	1	3
20231	103365	1	3	3	5	2	2	1	7	2	3	125	158	55	33.0	1	5	4	42.1	14.0	3.65	1	3
20232	103366	2	3	3	5	2	-	2	7	2	-	119	156	65	30.0	1	5	4	42.7	13.1	3.72	1	3
20233	103367	2	3	3	7	2	2	2	7	2	3	125	159	60	33.0	1	5	4	44.5	-	-	1	3
20234	103368	1	3	3	3	2	2	1	1	1	2	121	154	50	27.0	1	5	4	40.2	12.9	3.71	1	3
20235	103369	3	1	1	5	2	2	-	-	1	4	170	187	45	10.0	3	5	4	22.1	13.0	3.84	1	3
20236	103370	1	3	3	3	2	2	1	1	1	2	124	156	60	29.0	1	5	4	42.4	12.6	3.80	1	3
20237	103371	1	3	3	3	2	2	2	1	1	2	122	154	55	33.0	1	5	4	38.8	14.0	3.59	1	3
20238	103372	1	3	3	5	2	2	2	1	1	2	122	155	55	28.0	1	5	4	40.1	14.2	3.63	1	3
20239	103373	1	3	3	5	2	2	2	1	1	2	121	152	55	28.0	1	5	4	37.0	13.1	3.69	1	3
20240	103374	1	3	3	5	2	2	2	1	1	2	121	152	55	28.0	1	5	4	38.5	13.5	3.70	1	3
20241	103375	1	3	3	3	2	2	2	1	1	2	120	152	50	27.0	1	5	4	27.4	15.2	3.54	1	3
20242	103376	1	3	3	3	2	2	2	1	1	2	125	155	55	30.0	1	5	4	40.1	14.3	3.60	1	3
20243	103377	1	3	3	3	2	2	2	1	1	4	120	152	50	21.0	1	5	4	37.6	-	-	1	3
20244	103378	2	3	2	3	1	2	2	1	1	2	121	153	45	21.0	2	5	4	44.5	13.7	3.79	1	3
20245	103379	2	3	2	3	2	2	2	1	1	2	121	153	50	20.0	2	5	4	44.3	13.4	3.73	1	3
20246	103380	2	3	2	3	2	2	2	1	1	2	121	153	55	27.0	2	5	4	46.3	15.4	3.63	1	3
20247	103381	2	3	2	3	2	2	2	1	1	2	121	153	45	19.0	2	5	4	44.6	12.0	3.71	1	3
20248	103382	2	3	2	3	2	2	2	1	1	2	121	153	50	18.0	1	5	4	43.5	11.3	3.86	1	3
20249	103383	2	3	2	3	2	2	2	7	1	2	121	153	50	21.0	2	5	4	43.4	13.6	3.89	1	3
20250	103384	2	3	3	3	2	2	2	7	2	3	116	140	55	15.0	1	5	4	33.3	12.9	3.87	1	3
20251	103385	2	3	2	3	2	2	2	7	1	2	121	153	45	25.0	2	5	4	42.7	13.1	3.89	1	3
20252	103386	3	2	1	3	2	2	1	9	1	2	137	166	45	16.0	2	5	4	32.1	10.8	4.25	2	3
20253	103387	2	3	1	3	2	2	1	1	1	2	122	156	50	21.0	1	5	4	36.4	12.8	3.68	1	3
20254	103388	2	3	1	5	2	2	1	9	1	2	128	171	50	25.0	1	5	4	40.8	14.5	3.61	1	3
20255	103389	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	36.6	-	-	-	-
20256	103390	2	3	1	3	2	2	2	5	1	4	126	158	60	24.0	3	5	4	39.4	15.5	3.61	1	3
20257	103391	2	3	1	3	2	2	2	5	1	4	126	164	60	29.0	3	5	4	42.1	12.4	3.79	1	3
20258	103392	2	3	1	3	2	2	2	3	1	4	125	157	55	29.0	3	5	4	37.9	12.2	3.79	1	3
20259	103393	2	3	1	3	2	2	2	3	1	4	123	156	50	25.0	3	5	4	32.8	12.0	4.00	1	3
20260	103394	2	3	1	7	2	2	2	9	1	4	122	155	50	26.0	2	5	4	33.6	12.3	3.98	1	3
20261	103395	1	3	1	3	2	2	2	3	1	4	126	158	55	24.0	2	5	4	32.1	14.8	3.58	1	3
20262	103396	1	3	1	7	2	2	2	9	1	2	125	157	45	18.0	2	5	4	29.0	11.9	4.11	1	3
20263	103397	1	3	1	7	2	2	2	9	1	5	125	157	50	16.0	1	5	4	33.5	14.3	3.53	1	3
20264	103398	2	1	1	3	2	2	1	1	1	2	144	171	40	23.0	2	5	4	29.6	10.3	4.07	1	3
20265	103399	1	3	1	5	2	2	1	9	2	3	126	157	60	23.0	2	5	4	37.2	15.1	3.14	1	3
20266	103400	1	3	1	3	2	2	1	9	2	3	125	157	70	20.0	2	5	4	35.0	12.8	3.54	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20267	103401	1	3	1	3	2	2	2	9	2	3	126	159	60	17.0	2	5	4	39.7	12.3	3.98	1	5
20268	103402	1	3	1	7	2	2	2	9	2	3	125	158	60	22.0	2	5	4	41.7	13.9	3.81	1	3
20269	103403	1	-	1	7	2	2	1	-	2	3	132	166	-	25.0	2	5	4	37.1	-	-	1	3
20270	103404	1	2	1	3	2	1	1	3	1	-	134	161	45	15.0	2	5	4	38.4	14.0	3.71	1	3
20271	103405	1	2	1	3	2	1	1	3	1	-	136	160	40	16.0	2	5	4	39.6	12.4	3.79	1	3
20272	103406	1	3	1	3	2	2	1	7	2	3	122	155	55	17.0	2	5	4	37.2	13.6	3.89	1	3
20273	103407	2	2	1	5	2	2	1	5	1	4	137	171	60	20.0	2	5	4	46.4	15.8	3.60	1	3
20274	103408	2	2	1	3	2	2	1	3	1	4	134	164	45	16.0	2	5	4	47.8	11.9	3.94	1	3
20275	103409	1	2	1	7	2	2	1	7	2	3	133	165	55	17.0	2	5	4	39.4	15.2	3.51	1	3
20276	103410	1	3	1	3	2	2	1	3	1	4	128	159	50	18.0	2	5	4	39.0	14.0	3.71	1	3
20277	103411	2	3	1	7	2	2	1	7	2	3	125	160	50	16.0	1	5	4	40.8	15.9	3.35	1	3
20278	103412	1	3	1	7	2	2	2	7	1	5	124	157	50	21.0	2	4	4	40.1	13.0	4.00	1	3
20279	103413	1	3	1	3	2	2	2	5	1	4	126	158	50	16.0	1	5	4	45.2	13.0	3.84	1	3
20280	103414	1	3	1	3	2	2	1	7	2	3	137	165	50	17.0	2	5	4	43.3	11.7	4.18	1	3
20281	103415	1	3	1	3	2	2	1	7	2	3	132	164	45	13.0	2	5	4	40.9	12.4	4.03	1	3
20282	103416	2	3	1	7	2	2	1	7	1	3	129	158	45	25.0	3	5	4	41.0	12.3	3.98	1	3
20283	103417	1	3	1	9	2	2	1	7	2	3	134	158	45	15.0	2	4	4	40.3	11.2	4.10	1	3
20284	103418	1	3	1	9	2	2	1	7	2	3	134	159	50	17.0	2	5	4	40.4	12.1	4.13	1	3
20285	103419	2	3	3	3	2	2	2	1	1	1	120	153	50	-	1	5	4	37.1	13.1	3.71	1	3
20286	103420	1	3	-	7	2	2	2	7	2	3	120	152	50	27.0	1	5	4	37.3	12.6	3.96	1	3
20287	103421	1	3	3	3	2	2	2	9	1	5	120	152	55	23.0	1	5	4	38.8	13.3	3.90	1	3
20288	103422	1	3	-	3	2	2	1	9	1	5	121	153	55	20.0	1	5	4	37.2	13.5	3.70	1	3
20289	103423	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	36.0	14.2	3.44	-	-
20290	103424	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20291	103425	2	3	1	3	2	2	1	7	2	3	123	155	55	15.0	2	5	4	35.2	12.6	4.04	1	3
20292	103426	1	3	1	3	2	2	2	7	2	3	133	159	50	23.0	3	5	4	43.9	13.5	3.85	1	3
20293	103427	1	3	1	7	2	1	1	7	1	-	132	159	40	17.0	2	5	4	32.4	14.0	3.50	1	3
20294	103428	1	3	1	3	2	2	1	5	1	5	132	159	50	19.0	2	5	4	39.6	11.2	4.10	1	3
20295	103429	1	3	1	5	2	2	1	3	1	4	143	173	60	16.0	2	5	4	32.9	18.2	3.35	1	3
20296	103430	1	3	1	5	2	2	1	3	1	4	138	173	60	16.0	2	5	4	31.4	18.3	3.32	2	3
20297	103431	1	3	-	3	1	2	1	3	1	4	147	167	50	11.0	-	5	4	35.2	14.9	3.62	2	3
20298	103432	1	3	1	5	2	2	1	3	1	4	151	174	60	12.0	2	5	4	27.3	18.0	3.34	1	3
20299	103433	1	3	1	3	2	2	1	3	1	4	150	160	45	12.0	2	5	4	32.8	17.1	3.42	1	3
20300	103434	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20301	103435	2	3	1	5	2	2	1	1	1	4	125	169	55	18.0	3	5	4	37.5	15.1	3.54	1	5
20302	103436	1	3	1	5	2	2	1	5	1	-	137	170	55	22.0	2	5	4	22.8	17.3	3.31	1	3
20303	103437	1	3	1	7	2	2	1	7	2	3	126	157	55	18.0	2	5	4	36.7	12.6	4.04	1	3
20304	103438	1	3	1	7	2	2	1	7	2	3	125	157	60	20.0	2	5	4	36.5	13.1	3.89	1	3
20305	103439	1	3	1	3	2	2	1	7	1	3	136	165	60	22.0	2	5	4	39.3	14.3	3.77	1	5
20306	103440	1	3	1	3	-	2	1	3	2	4	132	159	-	19.0	2	5	4	37.7	11.3	4.15	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20307	103441	1	3	1	3	2	2	1	3	1	2	133	165	50	24.0	2	5	4	40.8	13.2	3.86	1	3
20308	103442	1	3	1	3	2	2	1	3	1	2	133	161	50	19.0	2	5	4	39.2	13.4	3.73	2	3
20309	103443	1	3	1	5	2	1	1	7	2	-	133	167	50	18.0	2	5	4	28.3	15.8	3.48	1	3
20310	103444	2	2	1	5	2	1	1	1	1	-	136	170	50	18.0	2	5	4	29.8	14.4	3.61	1	3
20311	103445	1	3	1	5	2	1	1	1	1	-	136	170	50	17.0	2	5	4	30.8	13.6	3.82	1	3
20312	103446	1	2	1	3	2	-	1	1	-	-	143	171	50	17.0	2	5	4	-	-	-	1	3
20313	103447	1	3	1	7	2	2	1	7	2	3	130	156	55	16.0	2	5	4	36.5	13.3	3.90	1	3
20314	103448	1	3	1	7	2	2	1	7	-	-	133	158	50	18.0	2	5	4	-	14.2	3.80	1	3
20315	103449	1	2	1	5	2	2	1	7	1	5	136	165	60	14.0	2	5	4	39.1	15.5	3.50	1	3
20316	103450	1	2	1	7	2	2	1	7	1	5	137	169	60	15.0	2	5	4	35.6	14.6	3.64	1	3
20317	103451	1	2	1	7	2	2	1	7	2	3	137	173	70	20.0	2	5	4	37.7	16.0	3.56	1	3
20318	103452	1	3	1	5	2	2	1	1	1	4	135	170	70	20.0	2	5	4	33.8	13.9	3.68	1	3
20319	103453	1	3	2	7	2	2	2	1	1	4	121	155	50	32.0	2	5	4	38.8	12.9	3.79	1	3
20320	103454	1	3	1	7	2	2	2	1	1	5	122	150	50	20.0	2	4	4	29.1	11.4	4.03	1	3
20321	103455	1	3	3	3	2	2	2	1	1	2	119	154	40	26.0	1	5	4	39.8	15.1	3.54	1	3
20322	103456	1	3	-	3	-	2	2	1	1	2	120	160	40	25.0	1	5	4	33.0	12.0	4.16	2	3
20323	103457	2	3	3	3	2	2	1	7	2	3	118	149	50	30.0	1	1	4	37.2	13.8	3.61	1	3
20324	103458	1	3	3	3	2	2	1	7	2	3	116	139	50	22.0	1	5	4	35.2	14.4	3.61	1	3
20325	103459	1	3	1	3	2	2	1	3	1	4	124	157	50	14.0	2	5	4	31.6	11.7	4.10	2	3
20326	103460	1	3	3	3	2	2	1	1	1	5	119	155	50	28.0	1	5	4	37.4	16.2	3.51	1	3
20327	103461	1	3	2	3	-	2	1	-	1	2	137	160	-	32.0	2	5	4	42.3	17.2	3.43	1	3
20328	103462	1	3	-	3	2	2	1	7	2	3	126	158	50	-	2	5	4	42.6	15.6	3.48	1	3
20329	103463	1	3	-	5	2	2	2	9	1	2	119	149	50	29.0	1	5	4	35.2	13.8	3.69	1	3
20330	103464	2	3	1	3	2	2	2	1	1	2	118	149	50	27.0	1	5	4	30.3	11.4	4.03	1	3
20331	103465	2	3	3	3	2	2	1	1	1	2	118	147	50	27.0	1	5	4	34.5	13.7	3.72	1	3
20332	103466	2	3	1	3	1	2	1	1	1	4	133	161	-	58.0	2	5	4	25.5	10.7	4.20	1	3
20333	103467	1	3	3	3	2	2	1	1	1	5	118	144	50	33.0	1	5	4	33.1	14.0	3.66	1	3
20334	103468	1	3	3	3	2	2	1	1	1	5	118	143	50	26.0	1	5	4	31.4	14.2	3.63	1	3
20335	103469	1	3	-	3	2	2	1	1	1	5	118	147	55	-	1	5	4	36.1	14.0	3.57	1	3
20336	103470	1	3	3	7	2	2	1	9	1	5	118	147	55	21.0	2	5	4	34.7	14.5	3.52	1	3
20337	103471	2	3	1	3	2	2	1	7	2	3	120	150	55	18.0	1	5	4	31.6	14.9	3.56	1	3
20338	103472	1	3	1	3	2	2	1	1	1	5	117	149	50	17.0	1	5	4	28.4	11.6	4.13	1	3
20339	103473	2	3	-	3	2	2	2	1	1	4	118	148	50	19.0	1	5	4	31.1	14.3	3.74	1	3
20340	103474	1	3	1	3	2	2	2	3	1	5	120	152	50	14.0	1	5	4	30.8	13.0	4.00	1	3
20341	103475	1	3	3	3	2	2	1	7	2	3	118	152	55	26.0	1	5	4	36.7	15.2	3.50	1	3
20342	103476	1	3	3	7	2	2	2	1	1	2	118	145	50	23.0	1	5	4	35.4	12.5	3.92	1	3
20343	103477	2	2	1	7	2	2	1	7	1	4	143	171	50	22.0	2	5	4	20.0	10.0	4.20	2	3
20344	103478	1	2	1	3	2	2	1	-	2	3	149	160	45	24.0	2	5	4	38.4	-	-	1	3
20345	103479	2	3	-	3	2	2	1	3	1	4	137	159	50	17.0	3	5	4	41.8	17.2	3.37	1	3
20346	103480	1	3	1	3	2	2	1	5	1	2	123	158	55	16.0	1	5	4	37.1	13.9	3.74	1	3

IG	ICB	GHA	GCL	RNO	ACC	ARG	ICV	RHL	GCO	LOO	KCO	DEE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20347	103481	2	3	1	3	2	2	2	-	1	5	142	168	55	16.0	2	5	4	35.2	17.8	3.33	1	3
20348	103482	2	3	3	7	2	2	1	5	1	2	126	158	55	31.0	1	5	4	40.5	16.1	3.37	1	3
20349	103483	2	3	1	7	2	2	1	5	1	2	125	159	55	19.0	1	5	4	39.2	14.2	3.73	1	3
20350	103484	2	2	1	3	2	1	1	3	1	-	129	158	45	15.0	1	5	4	34.8	14.9	3.48	1	3
20351	103485	1	3	1	3	2	1	1	3	1	-	126	157	50	15.0	3	5	4	34.1	12.1	4.04	1	3
20352	103486	2	3	1	5	2	2	1	7	2	3	122	155	55	18.0	2	5	4	33.6	12.1	3.96	1	3
20353	103487	2	3	1	5	2	2	2	7	2	3	125	161	60	25.0	1	5	4	38.9	14.2	3.57	1	5
20354	103488	2	3	1	3	2	2	1	3	1	1	121	155	55	15.0	1	5	4	38.8	12.5	4.08	1	3
20355	103489	1	3	3	3	-	2	1	1	1	2	123	158	-	16.0	1	5	4	44.5	-	-	1	3
20356	103490	1	3	1	3	2	2	1	1	1	2	123	158	55	17.0	1	5	4	42.9	14.0	3.78	1	3
20357	103491	1	3	1	3	2	2	1	3	1	1	124	157	55	15.0	1	5	4	35.8	13.2	3.86	1	3
20358	103492	2	3	1	3	2	2	1	5	1	4	124	157	50	19.0	3	5	4	39.3	12.2	4.01	2	3
20359	103493	2	3	1	3	2	2	1	7	2	3	126	158	50	19.0	3	5	4	44.8	-	-	1	3
20360	103494	2	3	1	3	2	1	1	3	1	-	125	155	45	19.0	2	5	4	36.1	11.9	3.78	1	3
20361	103495	2	3	1	5	2	2	1	9	1	2	123	157	45	19.0	2	5	4	40.4	15.6	3.47	1	3
20362	103496	1	3	1	3	2	2	2	3	1	1	120	155	50	15.0	2	5	4	36.3	11.8	3.89	1	3
20363	103497	1	3	1	3	2	2	2	9	1	2	121	154	50	15.0	2	5	4	33.0	11.4	4.29	1	3
20364	103498	1	3	1	3	2	2	1	5	1	5	126	161	55	18.0	2	5	4	41.6	-	-	1	3
20365	103499	1	3	1	3	2	2	1	5	1	4	128	166	65	23.0	3	5	4	39.7	12.5	4.00	1	3
20366	103500	2	3	1	5	2	2	2	9	1	2	123	154	70	20.0	3	5	4	36.6	13.1	3.89	1	3
20367	103501	2	3	1	1	2	1	1	9	1	-	128	159	65	19.0	2	5	4	35.4	14.2	3.66	1	5
20368	103502	2	3	1	3	2	2	1	9	1	2	128	160	60	17.0	2	5	4	40.5	14.1	3.75	1	3
20369	103503	2	3	1	3	2	2	2	3	1	4	122	159	65	25.0	2	5	4	43.7	14.5	3.58	1	3
20370	103504	1	3	1	3	2	2	2	3	1	4	122	156	65	20.0	2	5	4	38.7	-	-	1	3
20371	103505	1	3	1	3	2	2	2	7	2	3	122	154	65	16.0	2	5	4	31.9	14.5	3.55	1	3
20372	103506	2	1	1	3	2	2	2	1	1	4	133	167	45	17.0	2	5	4	35.7	11.1	4.14	1	3
20373	103507	1	3	1	5	2	2	2	7	2	3	123	154	50	15.0	2	5	4	31.0	11.7	4.18	1	3
20374	103508	1	3	1	3	2	2	1	9	1	2	124	155	50	17.0	2	5	4	35.6	12.3	3.90	1	3
20375	103509	1	3	1	3	2	2	2	3	1	4	121	155	55	15.0	1	5	4	40.0	14.0	3.78	1	3
20376	103510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.4	3.68	-	-
20377	103511	1	3	1	3	2	2	1	3	1	1	125	157	55	19.0	1	5	4	39.9	11.2	4.28	1	3
20378	103512	1	3	1	7	2	2	2	7	2	3	125	157	50	13.0	1	5	4	42.4	12.3	3.98	1	3
20379	103513	1	3	1	3	2	2	1	3	2	4	125	158	55	15.0	1	5	4	36.1	12.5	3.92	1	3
20380	103514	1	3	1	5	2	2	1	5	1	4	125	158	50	15.0	1	5	4	38.4	12.0	4.00	1	3
20381	103515	1	3	1	3	2	2	1	7	2	3	143	158	50	13.0	3	5	4	40.8	11.7	3.93	1	3
20382	103516	1	3	1	3	2	2	1	7	2	3	143	159	45	14.0	3	5	4	41.3	13.8	3.76	1	3
20383	103517	1	3	1	3	2	2	1	3	1	4	121	155	60	16.0	2	5	4	37.0	13.3	3.83	1	3
20384	103518	1	1	-	3	2	2	1	1	1	2	142	169	45	21.0	2	5	4	43.4	14.3	3.70	2	3
20385	103519	1	3	1	1	2	2	1	9	1	2	128	158	45	16.0	1	5	4	45.6	13.4	3.73	1	3
20386	103520	1	3	1	3	2	1	1	9	1	-	131	158	45	16.0	2	5	4	34.7	13.2	3.86	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20387	103521	1	3	1	5	2	2	1	9	1	2	123	164	55	15.0	1	5	4	38.7	14.3	3.70	1	3
20388	103522	1	3	1	7	2	2	1	9	1	2	123	158	55	23.0	1	5	4	42.3	15.7	3.31	1	3
20389	103523	1	3	1	3	2	2	2	7	2	3	133	167	60	23.0	2	5	4	32.3	14.1	3.61	1	3
20390	103524	1	3	1	3	2	2	1	3	1	4	125	158	55	19.0	3	5	4	38.3	-	-	1	3
20391	103525	1	3	1	9	2	2	2	7	2	3	125	158	55	19.0	3	5	4	39.2	11.8	4.06	1	3
20392	103526	1	3	1	7	2	2	2	7	1	3	125	156	55	17.0	2	5	4	38.3	11.4	4.21	1	3
20393	103527	1	3	1	7	2	2	2	7	2	3	125	158	55	15.0	2	5	4	39.4	15.0	3.46	1	3
20394	103528	1	3	1	9	2	2	2	7	2	3	124	158	55	21.0	2	5	4	37.8	11.7	4.10	1	3
20395	103529	1	3	1	3	2	2	2	3	1	4	121	154	55	21.0	2	5	4	37.2	12.8	3.90	1	3
20396	103530	1	3	1	7	2	2	2	7	2	3	137	158	50	17.0	2	5	4	43.5	17.4	3.31	1	5
20397	103531	2	3	1	3	2	2	2	5	1	4	123	157	65	17.0	3	5	4	44.4	14.9	3.30	1	7
20398	103532	1	3	1	9	2	2	2	7	2	3	125	156	55	18.0	2	5	4	40.3	15.4	3.31	1	5
20399	103533	1	3	1	7	2	2	1	7	1	3	124	155	50	18.0	2	5	4	36.1	13.4	3.68	2	3
20400	103534	1	3	1	9	2	2	1	7	2	3	124	157	50	19.0	2	5	4	42.3	14.3	3.77	2	3
20404	103535	1	3	1	9	2	2	2	7	2	3	127	158	55	18.0	2	5	4	39.8	14.7	3.46	1	3
20402	103536	1	3	1	5	2	2	2	5	1	5	128	158	60	19.0	2	5	4	39.4	14.7	3.57	1	3
20403	103537	1	3	1	7	2	2	2	7	2	3	128	159	60	21.0	2	5	4	42.0	12.3	3.90	1	3
20404	103538	1	3	1	9	2	2	2	7	2	3	128	158	55	18.0	2	5	4	37.3	12.2	4.09	1	3
20405	103539	1	3	1	9	2	2	2	7	2	3	127	159	55	19.0	2	5	4	38.8	15.5	3.41	1	3
20406	103540	2	3	2	9	2	2	2	7	2	3	123	158	50	25.0	2	5	4	41.7	11.8	3.98	1	3
20407	103541	1	3	1	9	2	2	2	7	2	3	121	154	55	19.0	2	5	4	37.9	12.2	3.93	1	3
20408	103542	1	3	1	3	2	2	2	7	1	5	127	157	55	19.0	2	5	4	42.8	12.7	3.77	1	3
20409	103543	1	3	1	7	2	2	2	7	2	3	124	155	60	22.0	2	5	4	40.0	14.3	3.56	1	3
20410	103544	1	3	1	3	2	2	2	3	1	4	124	154	55	22.0	2	5	4	34.8	12.9	3.87	1	3
20411	103545	1	3	1	9	2	2	1	7	2	3	125	158	60	17.0	2	5	4	38.8	13.0	3.84	1	3
20412	103546	1	3	1	3	2	2	2	3	1	4	125	156	50	20.0	2	5	4	34.3	13.7	3.79	1	3
20413	103547	1	3	1	3	2	2	2	3	1	4	124	157	50	18.0	2	5	4	30.4	12.2	3.93	1	3
20414	103548	2	3	1	7	2	2	2	3	1	4	125	157	50	21.0	2	5	4	35.2	11.1	4.14	2	3
20415	103549	1	3	1	9	2	2	2	7	2	3	125	159	55	19.0	2	5	4	34.2	12.5	4.00	1	3
20416	103550	1	3	1	3	2	2	2	3	1	4	121	156	75	29.0	2	5	4	39.7	14.3	3.46	1	5
20417	103551	1	2	1	3	2	2	1	1	1	4	127	163	80	21.0	2	5	4	40.3	11.1	4.32	1	3
20418	103552	1	2	1	7	2	1	1	7	2	-	127	160	75	23.0	2	5	4	31.9	16.4	3.17	1	3
20419	103553	1	3	1	3	2	2	1	1	1	4	137	159	40	11.0	2	5	4	40.7	10.8	4.25	1	3
20420	103554	1	3	1	3	2	2	1	3	1	4	136	159	40	11.0	3	5	4	40.5	11.1	4.14	1	3
20421	103555	2	3	1	3	2	2	1	9	1	3	136	160	40	18.0	3	5	4	37.3	13.0	3.84	1	3
20422	103556	1	3	1	3	2	1	1	3	1	-	129	158	55	19.0	2	5	4	31.8	15.5	3.16	1	3
20423	103557	1	3	1	9	2	2	2	7	2	3	128	158	50	24.0	3	4	4	39.9	13.8	3.66	1	3
20424	103558	1	3	1	9	2	1	2	7	2	3	122	154	60	22.0	3	5	4	33.5	13.4	3.67	1	3
20425	103559	1	3	3	9	2	2	1	7	2	3	123	154	60	34.0	1	5	4	41.3	14.3	3.70	1	3
20426	103560	1	3	1	9	2	2	2	7	2	3	126	156	55	19.0	3	5	4	37.8	14.3	3.84	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20427	103561	1	3	1	7	2	2	2	7	2	3	124	157	60	16.0	1	5	4	34.1	11.4	4.12	1	3
20428	103562	1	3	1	9	2	2	2	7	2	3	125	159	55	16.0	2	5	4	36.1	13.2	3.57	1	3
20429	103563	1	3	1	3	2	2	2	3	1	1	123	154	65	24.0	2	5	4	33.2	13.0	3.92	1	3
20430	103564	1	3	1	7	2	2	1	7	2	3	125	155	50	29.0	1	5	4	32.1	12.9	3.95	1	3
20431	103565	1	3	-	9	2	2	1	7	2	3	124	153	60	-	1	5	4	41.5	12.8	3.49	1	5
20432	103566	1	3	1	3	2	2	1	3	1	4	123	156	55	19.0	3	5	4	38.8	11.9	4.11	1	3
20433	103567	1	3	1	3	2	2	1	3	1	4	123	154	60	13.0	2	5	4	33.4	12.9	3.95	1	3
20434	103568	1	3	1	7	2	2	2	7	2	3	129	156	55	22.0	3	5	4	37.2	14.9	3.56	1	3
20435	103569	1	3	-	9	2	2	1	7	2	3	129	158	60	35.0	-	5	4	44.6	15.2	3.56	1	3
20436	103570	1	3	1	3	2	2	2	3	1	4	135	160	60	23.0	1	5	4	37.6	15.1	3.55	1	3
20437	103571	2	3	1	3	2	2	1	3	1	4	125	159	55	15.0	1	5	4	40.3	14.2	3.80	1	3
20438	103572	2	3	1	3	2	2	1	3	1	4	127	159	55	15.0	2	5	4	41.2	15.0	3.00	2	3
20439	103573	2	3	1	3	2	2	1	3	1	4	126	158	50	16.0	2	5	4	40.8	14.0	3.71	1	3
20440	103574	2	3	1	3	2	2	1	3	1	4	127	158	45	16.0	2	5	4	29.1	12.1	3.88	1	3
20441	103575	1	3	-	7	2	2	2	7	2	3	121	157	50	-	2	5	4	35.3	14.7	2.99	1	3
20442	103576	2	3	1	3	2	2	1	3	1	4	125	157	55	17.0	1	5	4	40.0	11.6	4.13	1	3
20443	103577	2	3	-	3	2	2	1	9	1	4	126	158	50	20.0	1	5	4	39.9	14.4	3.75	1	3
20444	103578	1	3	1	9	2	2	2	7	2	3	121	156	60	-	2	5	4	35.3	14.6	3.45	1	3
20445	103579	1	3	1	9	2	2	2	7	2	3	124	156	60	23.0	2	5	4	36.2	15.6	3.49	1	3
20446	103580	2	3	1	9	2	2	1	7	2	3	123	155	60	18.0	2	5	4	37.0	14.4	3.53	1	3
20447	103581	1	3	1	7	2	2	1	7	2	3	126	161	60	17.0	1	5	4	43.0	15.0	3.56	1	3
20448	103582	1	3	3	7	2	2	1	9	1	2	127	158	50	22.0	1	5	4	48.1	17.3	3.21	1	3
20449	103583	1	3	1	3	2	2	1	7	2	3	127	160	55	16.0	2	5	4	39.6	12.0	4.00	1	3
20450	103584	2	2	1	3	2	2	1	-	1	2	136	165	50	14.0	2	5	4	38.3	13.9	3.74	1	3
20451	103585	2	3	1	3	2	2	1	3	1	4	129	158	50	21.0	2	5	4	41.0	11.4	4.21	1	3
20452	103586	1	3	1	7	2	2	2	9	1	2	131	163	65	22.0	2	5	4	39.1	15.1	3.48	1	5
20453	103587	2	3	1	3	2	2	1	3	1	4	133	161	55	17.0	2	5	4	40.6	15.2	3.52	1	3
20454	103588	1	3	1	3	2	2	1	7	2	3	124	159	55	19.0	2	5	4	39.7	12.7	3.93	2	3
20455	103589	1	3	1	3	2	2	2	3	1	4	129	160	50	18.0	2	5	4	39.5	13.4	3.80	2	3
20456	103590	1	3	1	3	2	2	2	9	1	5	125	157	55	22.0	2	5	4	37.2	13.3	3.83	1	3
20457	103591	2	3	1	3	2	2	1	3	1	4	127	161	50	21.0	2	5	4	39.3	14.2	3.65	1	3
20458	103592	1	3	1	7	2	2	1	7	2	3	124	158	60	17.0	2	5	4	42.3	13.1	3.89	1	3
20459	103593	1	3	1	7	2	2	1	7	2	3	125	158	60	15.0	2	5	4	43.1	15.7	3.43	1	3
20460	103594	2	3	1	3	2	2	1	7	2	3	126	158	55	16.0	2	5	4	44.7	12.6	3.96	1	3
20461	103595	2	3	3	3	2	2	1	9	1	2	129	158	50	30.0	1	5	4	45.3	15.8	3.38	1	3
20462	103596	1	3	1	3	2	2	1	3	1	4	125	158	55	20.0	1	5	4	34.8	14.0	3.85	1	3
20463	103597	1	3	1	3	2	2	1	9	1	2	125	158	50	18.0	1	5	4	35.8	14.5	3.72	1	3
20464	103598	1	3	1	3	2	2	1	7	2	3	126	159	55	16.0	1	5	4	39.7	15.8	3.46	1	3
20465	103599	2	3	1	7	2	2	1	9	1	2	129	160	85	22.0	3	5	4	49.5	15.5	3.61	1	3
20466	103600	2	3	1	7	2	2	1	9	1	2	129	163	100	20.0	-	5	4	44.6	14.2	3.02	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20467	103601	2	3	1	9	2	1	1	7	2	-	131	164	80	17.0	2	5	4	33.2	12.7	3.85	1	3
20468	103602	1	3	1	9	2	2	-	7	2	3	126	161	90	17.0	1	5	4	41.5	13.4	3.66	1	3
20469	103603	1	3	1	9	2	2	1	7	2	3	126	161	85	17.0	1	5	4	42.0	13.4	3.65	1	3
20470	103604	1	3	1	7	2	2	1	7	2	3	126	159	65	17.0	2	5	4	37.5	10.5	4.28	1	3
20471	103605	1	3	1	7	2	2	1	7	2	3	126	159	55	16.0	2	5	4	39.9	10.9	4.22	1	3
20472	103606	1	3	1	7	2	2	1	7	2	3	126	160	60	21.0	2	5	4	39.3	10.8	4.16	1	3
20473	103607	1	3	1	3	2	1	1	3	1	-	131	159	50	18.0	2	5	4	32.8	11.6	4.05	1	3
20474	103608	1	3	1	7	2	1	1	7	2	-	131	159	45	16.0	2	5	4	30.9	13.8	3.62	1	3
20475	103609	2	2	1	7	2	1	1	7	2	-	133	162	45	13.0	2	5	4	31.3	12.1	3.96	1	3
20476	103610	1	3	1	3	2	1	1	3	1	-	132	162	50	16.0	2	5	4	33.8	11.3	4.15	1	3
20477	103611	1	3	1	3	2	1	1	9	1	-	131	162	50	13.0	2	5	4	33.2	11.4	4.12	1	3
20478	103612	2	3	1	3	2	1	-	3	1	-	134	162	45	15.0	2	5	4	22.9	11.4	4.03	1	3
20479	103613	2	3	-	3	2	2	1	9	1	2	130	162	50	39.0	2	5	4	35.5	10.2	4.31	1	3
20480	103614	1	3	1	9	2	2	1	7	2	3	132	163	50	17.0	2	5	4	36.5	12.0	3.75	1	3
20481	103615	1	3	1	7	2	2	1	7	2	3	133	163	50	18.0	2	5	4	36.8	13.0	3.92	1	3
20482	103616	1	3	1	7	2	2	1	7	2	3	136	163	50	15.0	1	5	4	35.7	11.4	4.03	1	3
20483	103617	1	3	1	7	2	2	1	7	2	3	136	163	50	19.0	1	5	4	35.7	12.3	3.90	1	3
20484	103618	1	3	1	7	2	2	1	7	2	3	132	163	50	16.0	2	5	4	37.2	11.8	3.98	1	3
20485	103619	1	3	3	7	2	2	2	9	2	2	125	154	60	17.0	1	5	4	34.3	12.6	3.88	1	3
20486	103620	1	3	1	7	2	2	1	9	1	2	129	160	50	19.0	1	5	4	44.5	13.0	3.76	1	3
20487	103621	2	3	1	3	2	2	1	9	1	2	129	160	55	20.0	1	5	4	44.1	13.6	3.82	1	3
20488	103622	2	3	1	9	2	2	1	7	2	3	129	160	60	21.0	2	5	4	37.8	12.2	4.09	1	3
20489	103623	2	2	1	3	2	2	2	1	1	5	128	169	65	24.0	2	5	4	25.1	-	-	1	3
20490	103624	1	3	-	3	2	2	2	9	2	2	121	155	60	-	1	5	4	35.1	14.5	3.56	1	3
20491	103625	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.4	3.75	-	-
20492	103626	1	3	-	3	2	2	2	1	1	2	121	152	50	-	1	5	4	32.4	11.5	4.00	1	3
20493	103627	1	3	1	7	2	2	2	9	1	4	122	156	55	14.0	1	5	4	34.6	11.6	4.22	1	3
20494	103628	1	3	1	7	2	2	2	7	2	3	129	159	45	14.0	1	5	4	30.5	10.6	4.33	2	3
20495	103629	1	3	1	9	2	2	1	7	2	3	125	158	55	19.0	1	5	4	38.9	13.3	3.90	1	3
20496	103630	2	1	1	5	2	2	1	3	1	4	143	175	75	19.0	1	5	4	38.6	15.3	3.50	1	3
20497	103631	1	3	1	7	2	2	1	7	1	-	123	157	50	21.0	1	5	4	36.6	12.7	3.77	1	3
20498	103632	1	3	1	3	2	2	1	3	1	4	124	156	50	19.0	2	5	4	36.5	11.6	4.13	1	3
20499	103633	1	3	1	3	2	2	1	5	1	4	127	156	50	21.0	2	5	4	35.9	12.6	3.96	1	3
20500	103634	1	3	1	7	2	2	1	7	2	3	126	158	55	17.0	2	5	4	41.3	13.7	3.72	1	3
20501	103635	1	3	1	7	2	2	1	7	2	3	124	158	55	16.0	2	5	4	42.1	13.1	3.96	1	3
20502	103636	1	3	1	3	2	2	1	1	1	2	127	158	50	24.0	2	5	4	39.2	15.2	3.49	1	3
20503	103637	1	3	1	7	2	2	1	7	2	3	128	159	50	21.0	2	5	4	36.1	11.0	4.09	1	3
20504	103638	1	3	1	3	2	2	1	7	2	3	125	158	50	22.0	2	5	4	33.7	15.9	3.42	1	5
20505	103639	1	3	1	3	2	2	1	1	1	2	125	160	50	16.0	1	5	4	38.7	15.6	3.03	1	3
20506	103640	1	3	-	3	2	2	2	9	1	2	122	155	50	-	1	5	4	33.3	13.8	3.54	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20507	103641	1	3	1	7	2	2	1	7	2	3	126	155	50	17.0	1	5	4	32.3	12.2	3.93	1	3
20508	103642	1	3	1	3	2	1	1	3	1	-	128	155	50	18.0	2	5	4	31.5	14.0	3.71	1	3
20509	103643	1	3	1	3	2	2	1	-	1	4	122	156	60	17.0	2	5	4	40.4	14.0	3.58	1	5
20510	103644	1	3	1	7	2	2	1	7	2	3	124	155	60	23.0	2	5	4	35.3	12.1	4.04	1	3
20511	103645	1	3	1	7	2	2	1	-	1	2	123	154	50	19.0	1	5	4	33.4	13.5	3.54	1	5
20512	103646	1	3	3	3	2	2	2	1	1	2	120	156	45	28.0	1	5	4	39.0	14.9	3.53	1	3
20513	103647	1	3	-	5	2	2	1	9	1	2	121	156	60	-	1	5	4	37.5	13.2	3.86	1	3
20514	103648	1	3	3	3	2	2	2	9	1	2	120	154	60	20.0	1	5	4	37.6	12.1	4.04	1	3
20515	103649	1	3	-	5	2	2	2	9	1	5	122	155	70	-	1	5	4	36.6	13.5	3.70	1	3
20516	103650	1	3	-	7	2	2	2	9	1	2	122	160	90	26.0	2	5	4	43.0	14.2	3.55	1	7
20517	103651	1	3	-	7	2	2	2	9	1	-	121	158	-	-	2	5	4	38.9	13.0	3.84	1	3
20518	103652	1	3	1	3	2	2	2	9	1	2	120	155	85	26.0	2	5	4	36.3	12.4	3.80	1	5
20519	103653	1	3	-	3	2	2	2	9	1	2	122	155	55	-	1	5	4	31.4	13.1	3.81	1	3
20520	103654	1	3	-	3	2	2	2	9	1	2	122	154	55	-	1	5	4	34.2	12.2	3.93	1	3
20521	103655	1	3	1	3	2	2	2	9	1	2	122	155	55	21.0	1	5	4	33.5	15.3	3.29	1	3
20522	103656	1	3	-	3	2	2	2	3	1	4	126	154	55	-	1	5	4	36.1	13.5	3.62	1	3
20523	103657	2	3	-	9	2	2	1	7	2	3	129	161	55	-	1	5	4	41.8	14.3	3.77	1	3
20524	103658	2	3	1	7	2	2	1	7	2	3	129	161	-	24.0	2	5	4	38.1	15.3	3.66	1	3
20525	103659	1	3	-	7	2	2	1	7	2	3	126	159	-	-	1	5	4	38.7	12.3	3.98	1	-
20526	103660	2	3	1	9	2	2	2	7	2	3	129	158	55	24.0	3	4	4	33.4	14.5	3.50	1	3
20527	103661	1	3	1	9	2	2	1	7	2	3	130	160	65	20.0	2	5	4	51.6	15.6	3.49	1	3
20528	103662	1	3	1	9	2	2	1	7	2	3	129	160	55	22.0	2	5	4	44.3	14.0	3.78	1	3
20529	103663	1	3	-	3	2	2	2	3	1	4	122	154	50	-	2	5	4	40.0	11.7	4.01	1	3
20530	103664	1	3	-	3	2	2	2	3	1	4	122	154	60	25.0	1	5	4	39.7	11.4	4.12	1	3
20531	103665	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20532	103666	1	2	1	7	2	2	1	7	2	3	137	165	45	24.0	2	5	4	41.4	12.3	4.14	1	3
20533	103667	2	2	1	3	2	2	1	3	1	4	125	158	50	19.0	2	5	4	41.3	12.2	4.01	1	3
20534	103668	1	3	1	3	2	2	1	3	1	4	125	156	55	15.0	2	5	4	36.5	14.5	3.50	1	3
20535	103669	1	3	1	3	2	2	1	9	1	2	124	157	50	18.0	2	5	4	37.3	11.3	4.07	1	3
20536	103670	1	3	1	3	2	2	1	3	1	4	125	157	55	23.0	1	5	4	42.4	14.3	3.77	1	3
20537	103671	1	3	1	3	2	2	1	3	1	2	129	158	60	19.0	2	5	4	43.3	15.6	3.49	1	3
20538	103672	1	3	1	7	2	2	1	9	1	-	123	158	55	21.0	2	4	4	42.7	15.8	3.50	1	3
20539	103673	1	3	1	3	2	2	1	9	1	2	124	158	55	14.0	2	5	4	41.0	-	-	1	3
20540	103674	1	3	1	9	2	2	1	7	2	3	125	159	55	15.0	2	5	4	34.9	11.6	4.05	1	3
20541	103675	1	3	1	3	2	2	1	9	2	3	124	158	55	16.0	2	4	4	40.2	-	-	1	3
20542	103676	1	3	1	5	2	2	1	9	1	2	124	158	55	13.0	2	5	4	40.2	-	-	1	3
20543	103677	1	3	-	3	2	2	1	9	1	2	122	158	50	-	2	5	4	38.9	14.2	3.73	1	3
20544	103678	1	3	1	7	2	2	1	9	1	2	125	158	50	22.0	2	5	4	40.9	13.9	3.74	1	3
20545	103679	1	3	1	5	2	2	1	9	2	5	134	158	50	19.0	2	5	4	32.0	10.4	4.42	1	3
20546	103680	1	3	1	5	2	2	2	9	1	2	121	153	50	26.0	2	5	4	27.1	12.0	4.08	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20547	103681	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20548	103682	2	3	-	9	2	2	2	7	2	3	121	154	60	-	1	5	4	31.5	-	-	1	3
20549	103683	2	3	1	9	2	2	2	7	2	3	122	158	60	22.0	1	5	4	29.9	-	-	1	3
20550	103684	1	3	1	5	2	2	2	9	1	2	122	155	50	22.0	1	5	4	30.6	12.0	4.00	1	3
20551	103685	1	3	1	5	2	2	2	7	2	3	121	150	55	16.0	1	5	4	30.0	-	-	1	3
20552	103686	1	3	1	3	2	2	2	3	1	4	121	150	50	19.0	1	5	4	31.5	12.5	3.92	1	3
20553	103687	2	3	1	5	2	2	2	7	2	3	124	155	60	-	1	5	4	31.0	15.3	3.45	1	3
20554	103688	1	3	1	5	2	2	2	7	2	3	125	157	55	20.0	1	5	4	33.5	15.4	3.50	1	3
20555	103689	2	3	1	3	2	2	1	3	1	1	123	154	60	23.0	1	5	4	30.7	12.4	4.11	1	3
20556	103690	2	2	1	3	2	2	1	3	1	4	133	161	55	25.0	2	5	4	43.2	17.1	3.43	1	5
20557	103691	2	2	1	7	2	2	1	7	2	3	132	160	55	20.0	2	5	4	39.8	11.3	4.24	1	3
20558	103692	2	3	1	5	2	2	1	7	1	3	124	156	50	19.0	2	5	4	41.3	-	-	1	3
20559	103693	2	2	1	3	2	2	1	3	2	4	137	168	55	21.0	2	5	4	33.2	12.1	3.88	1	3
20560	103694	2	3	1	3	2	2	1	3	1	4	135	161	55	19.0	2	5	4	41.6	11.7	4.01	1	3
20561	103695	2	3	-	3	2	2	2	3	1	4	130	159	55	20.0	-	5	4	39.8	11.5	4.17	1	3
20562	103696	2	3	1	9	2	2	2	7	2	3	125	159	45	20.0	3	5	4	33.2	12.5	3.92	1	3
20563	103697	2	1	1	1	2	2	1	3	1	4	138	172	50	-	-	5	4	35.8	12.8	3.90	1	3
20564	103698	1	3	1	3	2	2	1	-	1	4	135	172	60	22.0	1	5	4	39.7	-	-	1	3
20565	103699	1	3	1	3	2	2	1	5	1	4	130	168	90	20.0	2	5	4	41.5	13.1	3.77	1	3
20566	103700	2	3	3	5	2	2	1	7	2	3	118	154	80	-	1	5	4	43.2	12.2	4.09	1	7
20567	103701	2	2	1	5	2	2	1	7	2	3	123	160	90	25.0	2	5	4	38.7	12.0	4.16	1	5
20568	103702	2	2	1	7	2	2	1	3	2	3	133	168	100	16.0	2	5	4	40.3	13.3	4.06	1	3
20569	103703	2	3	1	3	2	2	1	5	1	4	134	164	50	17.0	2	5	4	38.0	14.8	3.59	1	3
20570	103704	2	3	1	5	2	2	1	3	2	3	150	161	50	13.0	2	5	4	36.4	13.0	4.00	1	3
20571	103705	2	3	1	3	2	2	1	-	1	4	136	162	55	17.0	1	5	4	37.2	12.8	3.98	1	3
20572	103706	2	3	1	5	2	2	1	9	1	2	134	161	45	19.0	3	5	4	42.4	14.6	3.69	1	3
20573	103707	2	3	1	9	2	2	2	7	2	3	126	158	45	19.0	3	5	4	34.8	13.1	3.96	1	3
20574	103708	2	3	1	9	2	2	1	7	2	3	136	161	50	17.0	3	5	4	41.7	13.5	3.92	1	3
20575	103709	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	1	-
20576	103710	2	3	1	3	2	2	1	3	1	4	132	163	55	17.0	2	5	4	38.8	14.9	3.51	1	3
20577	103711	2	3	1	3	2	2	1	3	1	4	132	163	55	19.0	2	5	4	38.8	15.1	3.58	1	3
20578	103712	2	3	1	5	2	2	1	3	1	4	125	163	50	19.0	2	5	4	35.6	16.1	3.55	1	3
20579	103713	2	3	1	3	2	2	1	3	1	2	121	151	43	18.0	1	5	4	28.1	12.5	3.92	1	3
20580	103714	2	3	1	5	2	2	1	1	1	2	118	148	50	17.0	1	5	4	28.3	12.5	3.84	1	3
20581	103715	2	3	1	3	2	2	1	7	2	3	120	153	50	20.0	1	5	4	35.4	12.1	3.88	1	3
20582	103716	2	3	3	5	2	2	1	3	1	4	120	150	55	-	1	5	4	34.2	12.9	3.87	1	3
20583	103717	3	1	1	3	1	2	2	3	1	4	133	164	50	20.0	3	5	4	40.1	10.3	3.88	1	3
20584	103718	2	3	1	5	2	2	2	3	1	2	126	164	50	20.0	2	5	4	37.3	13.5	3.53	1	3
20585	103719	2	2	1	5	2	2	2	3	1	2	136	164	45	16.0	2	5	4	41.0	10.3	3.98	1	3
20586	103720	3	1	1	5	2	2	-	3	1	4	133	165	50	17.0	3	5	4	41.0	12.6	3.55	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20587	103721	3	2	1	5	1	2	2	3	1	4	132	167	55	19.0	3	5	4	39.4	13.2	3.40	1	3
20588	103722	2	3	1	5	1	2	2	3	1	2	136	167	45	20.0	2	5	4	39.8	11.3	4.07	1	3
20589	103723	2	3	-	7	2	2	1	7	2	3	150	162	45	-	-	5	-	32.2	18.1	3.32	1	3
20590	103724	2	3	1	3	2	2	2	9	1	2	137	160	45	17.0	2	5	4	44.7	11.3	4.07	1	3
20591	103725	2	3	1	3	2	2	2	9	1	5	142	161	45	17.0	2	5	4	37.5	12.3	3.65	1	3
20592	103726	2	2	1	3	2	2	1	3	1	2	136	168	50	15.0	2	5	4	43.9	10.9	4.03	1	3
20593	103727	2	3	1	3	2	2	2	3	1	5	137	160	50	15.0	2	5	4	39.6	10.6	4.15	1	3
20594	103728	2	3	1	3	2	2	2	3	1	2	137	161	50	24.0	2	5	4	43.7	12.0	4.00	1	3
20595	103729	2	3	1	3	2	2	1	3	1	4	126	157	50	22.0	2	5	4	36.1	11.5	4.17	1	3
20596	103730	2	3	3	5	2	2	1	9	1	2	120	152	60	17.0	1	5	4	37.3	13.8	3.66	1	3
20597	103731	2	3	3	3	2	2	1	7	2	3	120	151	50	21.0	1	5	4	31.3	14.4	3.75	1	3
20598	103732	2	3	1	3	2	2	1	7	2	3	121	152	50	20.0	1	5	4	33.7	13.1	3.61	1	3
20599	103733	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	36.6	13.2	3.59	-	-
20600	103734	2	3	1	3	2	2	1	7	2	3	120	151	50	12.0	1	5	4	33.1	13.3	3.63	1	3
20601	103735	2	3	3	3	2	2	1	1	1	2	119	151	45	15.0	1	5	4	31.1	13.0	3.67	1	3
20602	103736	2	3	1	3	2	2	1	9	1	2	120	150	50	20.0	1	5	4	33.1	13.4	3.65	1	3
20603	103737	2	3	3	1	2	2	1	1	1	2	120	151	50	22.0	1	5	4	32.8	14.0	3.65	1	3
20604	103738	2	3	1	5	2	2	1	7	-	3	121	155	60	19.0	1	5	4	-	12.9	3.95	1	3
20605	103739	2	1	1	5	2	2	1	3	1	4	142	171	55	19.0	2	5	4	33.0	14.5	2.41	1	3
20606	103740	2	2	1	5	2	2	1	1	1	2	143	177	45	14.0	2	1	4	36.3	-	-	1	3
20607	103741	2	2	1	5	2	2	1	1	1	2	142	175	50	20.0	3	1	4	40.0	-	-	1	3
20608	103742	2	2	1	5	2	2	1	7	2	3	143	171	45	17.0	2	5	4	32.8	12.1	3.97	1	3
20609	103743	2	2	1	5	2	2	1	1	1	4	143	171	50	17.0	3	5	4	34.9	14.6	3.74	1	3
20610	103744	2	2	1	-	2	2	1	-	1	4	150	180	60	-	3	-	4	-	17.8	3.49	-	3
20611	103745	2	2	1	5	2	2	1	1	1	4	143	171	50	20.0	3	5	4	35.1	15.7	3.56	1	3
20612	103746	2	3	1	3	2	2	1	7	2	3	138	164	45	20.0	2	5	4	33.3	15.7	3.64	1	3
20613	103747	2	2	1	5	2	2	1	7	2	3	137	169	45	13.0	2	5	4	32.1	14.0	3.78	1	3
20614	103748	2	3	1	5	2	2	1	7	1	4	134	165	50	28.0	2	5	4	37.0	12.1	3.80	1	3
20615	103749	2	3	1	3	2	2	2	3	1	2	128	159	60	25.0	2	5	4	29.3	12.7	3.85	1	3
20616	103750	2	3	1	5	2	2	2	3	1	2	135	173	90	21.0	2	5	4	51.0	12.5	3.76	1	3
20617	103751	2	3	1	5	2	2	2	3	1	2	136	172	100	20.0	2	5	4	50.1	11.2	3.92	1	3
20618	103752	1	3	1	5	2	2	2	3	1	2	136	171	95	21.0	2	5	4	49.0	11.4	3.94	1	3
20619	103753	1	3	1	5	2	2	2	3	1	2	143	165	45	22.0	2	5	4	42.3	12.5	3.60	1	3
20620	103754	2	3	1	5	2	2	1	3	1	2	136	165	45	26.0	2	5	4	43.0	11.4	3.94	1	3
20621	103755	1	3	1	7	2	2	2	3	1	2	149	165	45	16.0	2	5	4	40.1	10.1	4.25	1	3
20622	103756	2	3	1	5	2	2	2	3	1	2	143	165	45	17.0	2	5	4	40.6	11.8	3.81	1	3
20623	103757	2	3	1	5	2	2	2	3	1	2	143	165	45	15.0	2	5	4	42.2	10.8	4.07	1	3
20624	103758	1	3	1	7	2	2	2	3	1	2	136	165	50	15.0	3	5	4	42.1	10.7	4.20	1	3
20625	103759	1	3	1	3	2	2	2	3	1	2	134	165	50	21.0	2	5	4	41.6	10.5	4.19	1	3
20626	103760	1	3	1	3	2	2	2	3	1	2	136	165	55	20.0	2	5	4	44.1	10.6	4.24	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20627	103761	1	3	1	5	2	2	2	3	1	2	136	164	50	19.0	3	5	4	44.1	11.8	3.98	1	3
20628	103762	1	3	1	7	2	2	2	3	1	2	136	165	50	20.0	3	5	4	43.5	11.5	4.08	1	3
20629	103763	2	3	1	5	2	2	2	3	1	2	136	165	50	21.0	3	5	4	41.1	11.1	4.14	1	3
20630	103764	1	3	1	5	2	2	2	3	1	2	136	164	50	19.0	3	1	4	45.4	12.2	3.93	1	3
20631	103765	2	3	1	5	2	2	2	3	1	2	136	165	55	19.0	3	5	4	45.2	11.4	3.94	1	3
20632	103766	2	3	1	5	2	2	2	5	1	2	126	157	50	15.0	2	1	4	40.4	13.7	3.46	1	3
20633	103767	2	3	1	3	2	2	2	5	1	2	122	156	50	22.0	2	5	4	41.3	13.1	3.81	1	3
20634	103768	2	3	1	3	2	2	2	5	1	2	122	156	50	20.0	2	5	4	41.1	11.4	4.12	1	3
20635	103769	2	3	1	7	2	2	2	5	1	2	121	156	50	17.0	2	5	4	43.4	10.9	4.12	1	3
20636	103770	2	3	1	3	2	2	2	5	1	4	118	153	55	19.0	3	5	4	49.3	12.6	4.12	1	3
20637	103771	2	3	1	3	2	2	2	5	1	2	119	157	60	21.0	3	5	4	43.2	13.8	3.62	1	3
20638	103772	2	3	1	3	2	2	2	5	1	4	117	150	60	16.0	3	5	4	41.7	12.2	4.09	1	3
20639	103773	2	3	1	3	2	2	2	5	1	4	117	150	60	19.0	3	5	4	38.9	13.4	3.80	1	3
20640	103774	2	3	1	3	2	2	2	5	1	4	117	149	55	20.0	3	5	4	40.2	13.3	3.83	1	3
20641	103775	2	3	1	5	2	2	2	5	1	2	122	155	45	20.0	3	5	4	39.9	12.5	4.08	1	3
20642	103776	1	3	1	5	2	2	1	3	1	4	126	158	50	15.0	2	5	4	39.3	13.8	3.76	1	3
20643	103777	1	3	-	5	2	2	1	3	1	4	128	158	50	16.0	-	5	4	40.5	13.5	3.85	2	3
20644	103778	1	3	1	3	2	2	1	9	1	5	125	157	50	17.0	2	5	4	36.7	12.5	4.00	1	3
20645	103779	1	3	1	7	2	2	1	3	1	2	126	158	50	18.0	2	5	4	39.8	12.8	4.06	1	3
20646	103780	1	3	1	9	2	2	1	7	2	3	129	162	65	19.0	3	4	4	41.1	14.8	3.57	1	3
20647	103781	2	3	1	3	2	1	1	3	1	-	126	158	45	16.0	2	5	4	30.8	14.3	3.46	1	3
20648	103782	2	2	1	3	2	1	1	3	1	-	135	158	40	14.0	2	5	4	31.3	13.6	3.75	1	3
20649	103783	2	3	1	3	2	-	2	3	-	-	126	159	45	15.0	2	5	4	-	-	-	1	3
20650	103784	2	2	1	3	2	2	1	3	-	-	129	158	40	16.0	2	5	4	-	10.6	4.24	1	3
20651	103785	2	3	1	1	2	1	1	3	1	-	128	156	45	16.0	2	5	4	30.9	12.9	3.87	1	3
20652	103786	1	3	1	3	2	2	1	3	1	4	126	156	45	23.0	1	5	4	35.0	10.9	4.31	1	3
20653	103787	1	3	1	5	2	2	1	7	2	3	118	145	45	17.0	1	5	4	29.9	12.7	3.93	1	3
20654	103788	2	3	1	5	2	2	1	7	2	3	118	145	45	17.0	1	5	4	29.2	12.4	4.03	1	3
20655	103789	1	3	1	1	2	2	1	1	1	2	118	145	45	18.0	1	5	4	32.7	12.9	3.92	1	3
20656	103790	2	2	1	3	2	2	1	3	1	2	119	170	45	16.0	1	5	4	34.6	13.4	3.69	1	3
20657	103791	2	3	1	3	2	2	2	3	1	2	138	160	50	20.0	2	5	4	42.2	11.4	4.03	1	3
20658	103792	2	3	1	3	2	2	2	3	1	2	136	160	50	21.0	2	5	4	42.0	10.0	4.20	1	3
20659	103793	2	3	1	3	2	2	2	3	1	2	136	160	50	17.0	2	5	4	42.9	11.9	4.03	1	3
20660	103794	2	3	1	3	2	2	2	3	1	2	137	160	50	22.0	2	5	4	47.5	11.6	4.22	1	3
20661	103795	2	3	1	1	2	2	2	3	1	2	135	160	50	18.0	2	5	4	43.9	9.5	4.52	1	3
20662	103796	2	3	1	3	2	2	1	3	1	2	133	162	50	19.0	2	5	4	40.8	10.1	4.45	1	3
20663	103797	2	3	1	3	2	2	1	3	1	2	134	163	50	19.0	2	5	4	37.7	10.4	4.32	-	3
20664	103798	2	2	1	7	2	2	1	3	1	4	135	165	50	19.0	3	5	4	43.7	10.2	4.31	1	3
20665	103799	2	3	1	3	2	2	1	3	1	2	133	169	90	18.0	2	5	4	45.5	10.7	4.29	1	3
20666	103800	2	3	1	5	2	2	1	3	1	2	134	172	80	18.0	2	5	4	52.0	11.5	4.17	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20667	103801	2	3	1	5	2	2	1	3	1	2	133	172	85	19.0	2	5	4	53.5	19.7	2.18	1	3
20668	103802	2	3	1	5	2	2	1	3	1	2	133	171	70	19.0	2	5	4	47.3	12.0	3.91	1	3
20669	103803	2	3	1	3	2	2	1	3	1	5	136	169	50	20.0	3	5	4	34.4	10.4	4.13	1	3
20670	103804	2	2	1	3	2	2	1	3	1	4	141	171	50	17.0	2	5	4	36.0	10.8	4.25	1	3
20671	103805	2	2	1	5	2	2	1	3	1	4	136	170	50	19.0	2	5	4	37.5	11.3	4.15	1	3
20672	103806	2	2	1	3	2	2	1	3	1	4	137	170	50	18.0	2	5	4	38.0	11.2	4.10	1	3
20673	103807	2	2	1	3	2	2	1	3	1	4	138	170	50	15.0	2	5	4	35.5	10.6	4.15	1	3
20674	103808	2	2	1	3	2	2	1	3	1	4	142	169	50	15.0	2	5	4	39.8	13.6	3.67	1	3
20675	103809	2	2	1	3	2	2	1	3	1	4	142	172	55	17.0	2	5	4	39.2	11.1	4.14	1	3
20676	103810	2	2	1	7	2	2	1	3	1	2	143	171	50	15.0	2	5	4	30.7	10.5	4.09	1	3
20677	103811	2	2	1	7	2	2	1	3	1	1	143	171	50	15.0	2	5	4	33.9	11.3	4.07	1	3
20678	103812	2	2	1	7	2	2	1	3	1	4	142	171	50	17.0	2	5	4	31.1	10.4	4.32	1	3
20679	103813	2	2	1	3	2	2	1	3	1	1	143	171	55	17.0	2	5	4	32.4	11.2	4.01	1	3
20680	103814	2	2	1	5	2	2	1	1	1	4	142	170	45	14.0	2	5	4	35.3	10.5	4.28	1	3
20681	103815	2	2	1	5	2	2	1	3	1	2	138	168	45	14.0	2	5	4	39.8	11.2	4.10	1	3
20682	103816	2	2	1	3	2	2	1	3	1	2	137	168	45	16.0	2	5	4	41.9	11.1	4.23	1	3
20683	103817	2	3	1	3	2	2	2	3	1	2	133	168	50	17.0	2	5	4	45.7	11.1	4.05	1	3
20684	103818	2	3	1	5	2	2	2	3	1	2	133	167	50	19.0	2	5	4	42.2	9.3	4.51	1	3
20685	103819	1	3	1	5	2	2	2	3	1	2	133	167	50	16.0	2	5	4	46.5	11.3	4.15	1	3
20686	103820	2	3	1	5	2	2	2	3	1	2	133	167	50	17.0	2	5	4	47.1	11.6	3.96	1	3
20687	103821	2	3	1	5	1	2	2	3	1	2	140	168	55	22.0	2	5	4	44.6	10.6	4.24	1	3
20688	103822	2	3	1	5	2	2	2	3	1	2	133	167	55	20.0	2	5	4	47.3	12.2	3.93	1	3
20689	103823	2	3	1	3	2	2	2	3	1	2	133	167	55	19.0	2	5	4	47.3	11.0	4.18	1	3
20690	103824	2	3	1	3	2	2	2	3	1	2	133	167	60	17.0	2	5	4	46.5	11.3	3.89	1	3
20691	103825	2	3	1	5	2	2	2	3	1	2	133	166	50	17.0	2	5	4	45.9	12.1	3.96	1	3
20692	103826	2	3	1	5	2	2	2	3	1	2	136	165	50	17.0	2	5	4	46.2	12.3	3.98	1	3
20693	103827	2	1	1	7	2	2	2	3	1	4	143	173	50	13.0	2	5	4	28.5	9.5	4.31	1	3
20694	103828	2	3	1	1	2	2	1	9	1	2	131	159	50	16.0	2	5	4	43.2	12.2	3.85	2	3
20695	103829	2	3	1	5	2	2	1	9	1	2	135	160	50	16.0	2	5	4	45.1	11.0	4.09	2	3
20696	103830	2	3	1	1	2	2	2	9	1	2	129	160	55	20.0	2	5	4	39.7	11.5	4.08	2	3
20697	103831	2	3	1	5	2	2	1	3	1	2	135	160	50	16.0	2	5	4	44.9	13.6	3.67	2	3
20698	103832	2	3	1	3	2	2	1	3	1	2	142	160	50	16.0	2	5	4	44.9	10.9	4.31	1	3
20699	103833	2	3	1	3	2	2	1	3	1	2	143	160	50	16.0	2	5	4	54.0	11.2	4.19	2	3
20700	103834	2	3	1	3	2	2	2	3	1	2	143	160	45	14.0	2	5	4	44.6	11.0	4.18	2	3
20701	103835	2	3	1	5	2	2	1	3	1	2	136	160	50	19.0	2	5	4	42.3	10.8	4.44	1	3
20702	103836	2	2	1	5	2	2	1	-	1	2	142	171	45	18.0	2	5	4	39.2	12.9	3.87	1	3
20703	103837	2	3	1	3	2	2	1	3	1	2	133	161	45	17.0	2	5	4	41.8	10.6	4.24	1	3
20704	103838	2	2	1	5	2	2	1	3	1	2	136	169	45	16.0	3	5	4	39.9	11.8	3.89	1	3
20705	103839	2	3	1	5	2	2	2	7	1	2	142	169	45	17.0	2	5	4	39.4	11.3	4.15	1	3
20706	103840	2	3	1	3	2	2	1	3	1	2	135	167	40	23.0	3	5	4	40.7	11.4	4.12	1	3

KG	KCB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20707	103841	2	2	1	5	2	2	1	3	1	2	135	164	45	18.0	3	5	4	39.7	11.5	3.91	1	3
20708	103842	2	3	1	1	2	-	1	3	1	2	128	157	50	18.0	2	5	4	37.6	10.3	4.27	1	3
20709	103843	2	3	1	3	-	-	1	9	1	-	141	174	60	19.0	3	5	4	38.4	13.4	3.64	1	3
20710	103844	2	3	1	3	2	2	1	-	1	4	137	160	55	19.0	3	5	4	44.1	10.7	4.11	1	3
20711	103845	2	3	1	3	2	2	1	3	1	2	141	161	55	16.0	2	5	4	44.6	10.3	4.36	2	3
20712	103846	2	2	1	5	2	2	1	3	1	2	142	170	40	15.0	2	5	4	40.8	14.8	3.63	1	3
20713	103847	2	2	1	5	2	2	1	3	1	4	142	164	40	19.0	2	5	4	39.3	10.0	4.40	1	3
20714	103848	2	2	1	5	2	2	1	3	1	4	142	175	50	17.0	3	5	4	33.7	15.3	3.51	1	3
20715	103849	2	3	1	5	2	2	1	3	1	2	136	173	65	17.0	2	5	4	45.6	10.0	4.20	1	3
20716	103850	2	3	1	5	2	2	1	3	1	2	135	173	80	17.0	2	5	4	46.7	11.1	4.23	1	7
20717	103851	2	3	1	7	2	2	1	3	1	4	126	165	80	25.0	-	5	4	48.2	10.3	4.17	1	3
20718	103852	2	3	1	7	2	2	1	3	1	2	132	160	60	13.0	2	5	4	44.9	10.4	4.23	1	3
20719	103853	2	2	1	3	2	2	1	3	1	2	134	161	45	16.0	2	5	4	40.4	14.7	3.73	1	3
20720	103854	2	1	1	3	2	2	1	3	1	2	136	161	45	15.0	2	5	4	44.2	9.3	4.73	1	3
20721	103855	2	2	1	3	2	2	1	3	1	-	133	161	45	14.0	2	5	4	40.8	14.3	3.48	1	3
20722	103856	2	3	1	3	2	2	1	9	1	2	133	161	50	15.0	2	5	4	46.4	9.7	4.43	1	3
20723	103857	2	3	1	1	2	2	1	9	1	2	134	161	50	19.0	2	5	4	46.3	10.3	4.27	1	3
20724	103858	2	3	1	5	2	2	1	9	1	2	136	161	60	19.0	2	5	4	44.4	9.3	4.62	1	3
20725	103859	2	3	1	3	2	2	1	9	1	2	127	160	60	15.0	3	5	4	45.8	9.8	4.28	1	3
20726	103860	2	3	1	3	2	2	1	9	1	2	127	159	60	29.0	3	5	4	46.7	11.0	3.62	1	3
20727	103861	2	3	1	3	2	2	1	9	1	2	128	159	60	19.0	3	5	4	45.3	13.2	3.31	1	3
20728	103862	2	3	1	3	2	2	1	9	1	2	128	159	60	17.0	3	5	4	45.7	11.1	3.64	1	3
20729	103863	2	3	1	1	2	2	1	9	1	2	128	159	60	12.0	3	5	4	45.6	10.5	4.28	1	3
20730	103864	2	3	1	3	2	2	1	9	1	2	128	160	60	14.0	3	5	4	45.1	10.8	4.16	1	3
20731	103865	2	3	1	1	2	2	1	9	1	2	128	159	50	13.0	3	5	4	45.6	13.0	3.61	1	3
20732	103866	3	3	1	3	2	2	1	9	1	2	128	161	50	15.0	3	5	4	48.7	10.2	4.21	1	3
20733	103867	2	3	1	1	2	2	1	9	1	2	128	159	50	16.0	2	5	4	45.4	11.1	4.14	1	3
20734	103868	2	3	1	3	2	-	1	9	-	-	128	150	60	15.0	2	5	4	-	-	-	1	3
20735	103869	2	3	1	3	2	2	1	9	1	2	133	165	55	17.0	2	5	4	44.4	12.5	3.47	1	3
20736	103870	2	3	1	3	2	2	1	3	1	4	128	159	60	17.0	3	5	4	42.5	12.4	3.80	1	3
20737	103871	2	3	1	5	2	2	1	3	1	2	127	160	70	20.0	2	5	4	38.8	12.7	3.70	1	5
20738	103872	2	3	1	5	2	2	1	3	1	2	132	165	55	18.0	3	5	4	43.6	10.6	4.05	1	3
20739	103873	2	3	1	3	-	2	2	3	1	2	128	165	55	16.0	2	5	4	47.1	11.6	3.87	2	3
20740	103874	1	3	3	7	2	2	1	9	1	2	125	155	50	25.0	1	5	4	43.6	11.9	3.94	1	3
20741	103875	1	3	-	1	2	2	2	1	1	5	118	147	60	-	1	5	4	30.2	13.3	3.98	1	3
20742	103876	1	3	1	9	2	2	2	7	1	5	121	155	70	24.0	1	5	4	37.3	12.6	4.04	1	3
20743	103877	1	3	2	5	2	1	1	3	1	-	126	158	50	20.0	2	5	4	36.0	15.0	3.31	1	3
20744	103878	1	3	2	7	2	1	1	7	2	-	126	158	50	26.0	2	5	4	37.2	11.3	4.07	1	3
20745	103879	1	2	2	7	2	1	1	3	1	-	127	159	60	26.0	2	5	4	41.4	17.1	3.24	1	5
20746	103880	1	3	1	5	2	2	2	5	1	2	106	154	55	20.0	2	5	4	38.3	15.5	3.47	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20747	103881	1	3	1	5	2	2	2	5	1	2	113	155	50	19.0	2	5	4	38.0	16.4	3.36	1	5
20748	103882	1	3	1	5	2	2	2	5	1	2	117	160	55	21.0	2	5	4	34.1	14.6	3.47	1	3
20749	103883	1	3	1	5	2	2	2	5	1	2	115	159	50	20.0	2	5	4	32.8	15.2	3.39	1	3
20750	103884	1	3	1	5	2	2	2	3	1	2	116	161	50	20.0	2	5	4	35.9	14.5	3.51	1	3
20751	103885	1	3	1	5	2	2	2	9	1	2	116	156	55	17.0	2	5	4	33.5	14.1	3.42	1	3
20752	103886	1	3	1	5	2	2	2	5	1	2	116	155	50	19.0	2	5	4	34.7	16.3	3.39	1	3
20753	103887	1	3	1	5	2	2	2	5	1	2	118	158	45	20.0	3	5	4	33.4	15.4	3.24	1	3
20754	103888	1	3	1	7	2	2	2	5	1	2	120	158	40	18.0	2	5	4	31.4	14.4	3.45	1	3
20755	103889	1	3	1	7	2	2	1	5	1	2	121	159	40	20.0	2	5	4	31.8	14.2	3.44	1	3
20756	103890	1	3	1	3	-	2	2	5	1	2	119	159	50	18.0	2	5	4	36.9	14.0	3.35	1	3
20757	103891	2	3	1	3	2	2	2	1	1	4	121	165	50	18.0	2	5	4	38.8	16.4	3.43	1	3
20758	103892	2	3	2	5	2	2	2	1	1	4	135	161	45	28.0	2	5	4	37.0	13.7	3.72	1	3
20759	103893	2	3	2	5	2	2	2	1	1	4	136	160	45	26.0	2	5	4	37.8	12.2	4.01	1	3
20760	103894	2	3	2	5	2	2	2	3	1	4	136	160	45	17.0	2	5	4	39.0	12.8	3.90	1	3
20761	103895	2	3	2	5	2	2	2	3	1	4	134	160	45	27.0	2	5	4	38.7	12.1	3.88	1	3
20762	103896	2	3	2	5	2	2	2	3	1	4	137	160	45	28.0	2	5	4	36.0	14.3	3.70	1	3
20763	103897	2	3	2	5	2	2	2	3	1	4	137	161	45	32.0	2	5	4	39.1	13.7	2.70	1	3
20764	103898	2	3	2	5	2	2	2	3	1	4	143	161	45	25.0	2	1	4	36.3	13.5	3.77	1	3
20765	103899	2	3	2	5	2	2	2	3	1	4	143	161	45	25.0	2	1	4	35.3	12.1	3.96	1	3
20766	103900	2	3	2	7	2	2	2	3	1	4	131	165	50	24.0	2	1	4	36.2	12.0	4.00	1	3
20767	103901	2	2	2	7	2	2	2	3	1	4	132	169	55	28.0	2	5	4	35.0	13.8	3.58	1	3
20768	103902	2	2	2	5	2	2	2	3	1	4	133	167	45	31.0	2	1	4	33.0	11.6	4.13	1	3
20769	103903	2	2	2	5	2	2	2	3	1	4	143	163	45	23.0	2	1	4	33.8	16.4	3.46	1	3
20770	103904	2	2	2	5	2	2	2	3	1	4	143	163	45	18.0	2	1	4	35.4	16.6	3.37	1	3
20771	103905	2	2	2	3	2	2	2	3	1	4	150	164	35	24.0	2	1	4	35.6	10.5	4.19	1	3
20772	103906	2	2	2	3	2	2	2	3	1	4	143	163	40	30.0	2	5	4	33.6	12.0	4.00	1	3
20773	103907	2	2	2	5	2	2	2	3	1	4	142	163	50	27.0	2	5	4	36.5	15.5	3.56	1	3
20774	103908	2	2	2	5	2	2	2	3	1	4	137	164	50	26.0	2	5	4	36.5	15.2	3.52	1	3
20775	103909	2	3	2	5	2	2	2	3	1	4	141	164	50	31.0	2	5	4	37.6	15.2	3.54	1	3
20776	103910	2	2	2	5	2	2	2	1	1	4	141	164	50	29.0	3	5	4	35.1	16.7	3.43	1	3
20777	103911	2	2	2	3	2	2	2	1	1	4	142	164	50	28.0	2	5	4	33.7	13.5	3.85	1	3
20778	103912	2	2	2	5	2	2	2	1	1	4	141	165	50	25.0	3	5	4	34.0	13.6	3.82	1	3
20779	103913	1	3	2	5	2	1	2	3	1	-	132	159	55	28.0	2	5	4	47.3	12.8	3.90	1	5
20780	103914	2	3	2	5	2	2	2	1	1	4	141	171	60	23.0	2	5	4	33.9	15.7	3.42	1	3
20781	103915	2	3	2	7	2	2	2	1	1	4	143	165	50	20.0	2	5	4	36.2	13.0	3.76	1	3
20782	103916	2	2	2	5	2	2	2	1	1	4	143	162	45	22.0	2	5	4	33.8	11.0	4.00	1	3
20783	103917	2	3	2	5	2	2	2	3	1	2	128	158	50	24.0	2	5	4	34.8	12.1	4.04	1	3
20784	103918	2	3	2	5	2	2	1	1	1	4	136	161	50	30.0	2	5	4	38.2	15.6	3.65	1	3
20785	103919	2	2	2	5	2	2	2	1	1	4	143	163	45	25.0	2	5	4	36.4	15.5	3.47	1	3
20786	103920	2	2	2	5	2	2	2	1	1	4	143	163	45	30.0	2	5	4	33.9	16.1	3.50	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20787	103921	2	2	2	7	2	2	1	1	1	4	148	172	45	25.0	2	5	4	28.4	13.4	3.80	1	3
20788	103922	2	2	2	7	2	2	1	1	1	4	147	172	45	25.0	2	5	4	27.4	11.6	4.05	1	3
20789	103923	2	2	2	3	2	2	1	1	1	4	147	171	45	30.0	2	5	4	28.8	11.6	4.05	1	3
20790	103924	2	2	2	7	2	2	1	1	1	4	142	172	45	26.0	2	5	4	30.5	12.1	3.96	1	3
20791	103925	2	2	2	7	2	2	1	1	1	4	142	170	45	27.0	2	5	4	28.4	12.1	4.04	1	3
20792	103926	2	2	2	5	2	2	2	1	1	4	143	171	45	28.0	2	5	4	29.2	16.7	3.48	1	3
20793	103927	2	3	2	3	2	2	2	1	1	4	143	166	45	28.0	2	5	4	32.3	10.8	4.16	1	3
20794	103928	2	3	2	3	2	2	2	1	1	4	143	162	45	28.0	2	5	4	32.4	10.3	4.17	1	3
20795	103929	2	2	2	5	2	2	2	1	1	4	150	172	45	29.0	2	5	4	36.1	12.8	3.82	1	3
20796	103930	2	2	2	7	2	2	1	7	2	3	142	169	50	27.0	2	5	4	38.5	12.8	3.90	1	3
20797	103931	2	2	2	7	2	2	2	1	1	4	143	171	45	29.0	2	5	4	29.9	15.2	3.61	1	3
20798	103932	2	3	2	3	2	2	2	3	1	4	128	166	50	25.0	2	5	4	36.7	13.7	3.86	1	3
20799	103933	2	3	2	7	2	2	1	1	1	4	150	167	50	29.0	2	5	4	36.8	13.0	3.84	1	3
20800	103934	2	3	2	3	2	2	2	1	1	4	136	167	50	23.0	2	5	4	34.6	15.4	3.42	1	3
20801	103935	2	2	2	7	2	2	2	1	1	4	142	172	45	27.0	2	5	4	26.4	17.4	3.39	1	3
20802	103936	2	3	1	7	1	2	2	7	1	5	128	158	60	17.0	2	5	4	32.1	15.8	3.31	1	3
20803	103937	2	3	3	9	2	2	2	3	2	3	135	160	45	33.0	2	5	4	43.0	14.6	3.60	1	3
20804	103938	2	2	2	7	2	-	2	3	1	4	136	169	45	28.0	2	5	4	35.1	-	-	1	3
20805	103939	2	1	2	5	2	2	2	3	1	4	143	170	45	22.0	2	5	4	31.2	12.3	4.06	1	3
20806	103940	2	2	2	5	2	2	2	3	1	4	137	169	45	29.0	2	5	4	33.0	12.9	3.87	1	3
20807	103941	2	3	2	7	2	2	2	3	1	4	141	170	45	24.0	2	5	4	28.5	12.0	4.00	1	3
20808	103942	2	3	2	7	2	2	2	3	1	4	141	169	45	29.0	2	5	4	31.1	16.6	3.43	1	3
20809	103943	2	3	2	5	2	2	2	3	1	4	142	169	45	24.0	2	5	4	32.8	14.9	3.69	1	3
20810	103944	2	3	2	5	2	2	2	3	1	4	142	169	45	25.0	2	5	4	35.1	12.7	3.93	1	3
20811	103945	2	3	2	3	2	2	2	3	1	4	140	169	45	26.0	2	5	4	34.3	13.1	3.74	1	3
20812	103946	2	3	2	5	2	2	2	3	1	4	141	170	45	26.0	2	5	4	33.0	17.0	3.37	1	3
20813	103947	2	3	2	7	2	2	2	3	1	4	140	161	45	26.0	2	5	4	34.1	15.5	3.37	1	3
20814	103948	2	3	2	7	2	2	2	3	1	4	136	160	45	28.0	2	5	4	33.1	13.5	3.85	1	3
20815	103949	2	3	2	7	2	2	2	3	1	4	129	167	65	26.0	2	5	4	34.8	11.5	4.08	1	3
20816	103950	2	3	2	7	2	2	2	3	1	4	133	171	70	28.0	2	5	4	32.7	13.0	3.84	1	3
20817	103951	2	3	2	7	2	2	2	3	1	4	133	172	75	30.0	2	5	4	36.9	15.1	3.37	1	3
20818	103952	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	1	-
20819	103953	2	3	2	7	2	2	2	3	1	4	135	168	50	29.0	1	5	4	33.2	12.7	3.85	1	3
20820	103954	2	3	2	3	2	2	2	3	1	4	142	160	50	28.0	2	5	4	32.4	12.7	3.93	1	3
20821	103955	3	3	2	5	2	2	1	7	2	3	126	157	40	23.0	2	5	4	32.6	14.8	3.44	1	3
20822	103956	3	3	2	5	2	2	1	3	1	2	126	155	45	23.0	2	5	4	40.2	11.6	4.13	1	3
20823	103957	2	3	2	5	2	2	2	5	1	4	121	155	50	24.0	2	5	4	35.5	13.8	3.48	1	3
20824	103958	2	3	2	5	2	2	2	3	1	4	143	163	50	30.0	2	5	4	37.6	13.1	3.81	1	3
20825	103959	2	2	2	5	2	2	2	3	1	4	141	164	50	25.0	2	5	4	33.7	13.8	3.69	1	3
20826	103960	2	3	3	5	2	2	2	3	1	4	142	160	50	28.0	1	5	4	38.7	14.0	3.71	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20827	103961	2	3	2	5	2	2	2	3	1	4	122	159	50	27.0	2	5	4	37.5	13.9	3.81	1	3
20828	103962	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20829	103963	2	3	2	3	2	2	2	3	1	4	142	163	40	28.0	2	5	4	31.7	14.8	3.61	1	3
20830	103964	2	3	1	5	2	2	1	3	1	4	132	164	40	17.0	2	5	4	28.0	15.6	3.48	1	3
20831	103965	2	3	1	5	2	1	2	3	1	-	132	163	50	17.0	2	5	4	24.5	15.1	3.59	1	3
20832	103966	2	2	1	5	2	2	2	3	1	4	131	163	45	25.0	2	5	4	31.7	12.5	3.69	1	3
20833	103967	2	2	1	3	2	2	2	3	1	4	133	162	45	22.0	3	5	4	29.1	14.1	3.66	2	3
20834	103968	2	3	1	3	2	2	1	3	1	2	133	161	50	18.0	2	5	4	41.5	13.0	4.00	1	3
20835	103969	2	3	1	3	2	2	1	3	1	4	128	160	50	24.0	1	5	4	30.1	12.5	4.16	1	3
20836	103970	2	1	1	3	2	2	2	3	1	4	133	165	45	24.0	3	5	4	27.9	13.1	3.96	1	3
20837	103971	2	1	1	7	2	2	2	3	1	4	135	164	45	19.0	3	5	4	25.1	13.3	4.06	1	3
20838	103972	2	3	1	5	2	2	1	3	1	4	128	165	45	15.0	2	5	4	27.1	12.1	4.04	1	3
20839	103973	2	3	1	5	2	2	2	3	1	2	136	171	50	16.0	2	5	4	45.5	14.2	3.60	1	3
20840	103974	2	3	1	5	2	2	1	3	1	4	135	171	50	25.0	2	5	4	30.8	-	-	1	3
20841	103975	2	3	1	3	2	2	1	3	1	4	135	164	45	21.0	2	5	4	28.3	13.2	3.86	1	3
20842	103976	2	3	1	5	2	2	1	3	1	4	133	165	50	17.0	2	5	4	28.7	16.2	3.38	1	3
20843	103977	2	3	1	3	2	2	1	3	1	4	124	163	55	21.0	2	5	4	33.2	15.3	3.53	1	3
20844	103978	2	3	1	3	2	2	1	1	1	4	124	158	60	20.0	2	5	4	30.0	14.0	3.61	1	3
20845	103979	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20846	103980	2	3	1	3	2	2	1	1	1	4	128	163	55	19.0	2	5	4	26.2	16.0	3.47	1	3
20847	103981	2	2	1	7	2	2	1	7	2	3	137	171	45	17.0	3	5	4	31.4	11.2	4.28	1	3
20848	103982	2	3	1	3	1	2	1	3	1	4	129	163	50	18.0	2	5	4	28.1	16.1	3.37	1	3
20849	103983	2	3	-	3	2	2	1	3	1	4	128	163	50	24.0	2	5	4	29.9	15.4	3.47	1	3
20850	103984	3	3	1	5	1	2	2	3	1	4	128	160	55	22.0	2	5	4	29.0	-	-	1	3
20851	103985	2	3	1	3	1	2	2	3	1	4	120	155	60	22.0	2	5	4	37.7	16.1	3.40	2	3
20852	103986	2	3	-	3	2	2	1	3	1	4	128	166	45	19.0	-	5	4	28.2	12.2	4.01	1	3
20853	103987	2	3	1	3	2	2	1	5	1	2	128	159	50	22.0	2	5	1	30.9	12.9	3.95	1	3
20854	103988	2	3	1	3	2	1	2	5	1	-	132	162	-	24.0	2	5	4	32.3	15.8	3.43	1	3
20855	103989	3	2	1	1	2	-	2	1	-	-	135	157	40	21.0	2	5	4	-	12.4	3.63	1	3
20856	103990	2	1	1	5	2	-	2	3	-	-	149	172	55	18.0	2	5	4	-	-	-	1	3
20857	103991	3	1	1	5	2	2	1	7	2	3	148	170	50	18.0	2	5	4	25.0	10.8	4.07	1	3
20858	103992	2	2	2	5	2	2	2	1	1	4	143	163	45	27.0	2	5	4	34.8	16.7	3.34	1	3
20859	103993	2	1	2	7	1	2	1	7	2	3	140	168	50	20.0	2	5	4	36.3	14.6	3.69	1	3
20860	103994	2	3	2	5	2	2	2	1	1	4	136	167	50	28.0	2	5	4	38.3	17.4	3.41	1	3
20861	103995	3	1	2	-	2	2	-	1	1	5	170	180	45	-	3	-	4	24.9	14.8	3.51	-	3
20862	103996	3	1	-	-	2	2	-	1	1	1	-	-	45	-	-	-	-	22.0	11.5	4.17	-	3
20863	103997	3	1	1	1	2	-	-	1	-	-	170	181	50	-	2	5	4	-	11.7	3.93	1	3
20864	103998	3	1	1	3	2	-	-	1	-	-	151	181	55	25.0	2	5	4	-	11.3	4.15	1	3
20865	103999	3	3	1	5	2	2	1	-	1	2	120	168	90	30.0	2	5	4	32.2	11.9	3.94	1	5
20866	104000	1	3	2	5	1	-	1	1	-	-	126	168	90	30.0	2	5	4	-	11.4	4.12	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20867	104001	2	3	2	5	2	2	2	3	1	4	142	167	40	27.0	2	5	4	35.6	14.9	3.56	1	3
20868	104002	2	1	2	3	2	2	2	3	1	4	140	166	35	23.0	2	5	4	40.6	14.8	3.61	1	3
20869	104003	2	2	2	5	2	2	2	3	1	4	139	170	40	28.0	2	5	4	30.5	14.9	3.58	2	3
20870	104004	2	1	2	5	2	2	1	1	1	4	140	167	40	27.0	2	5	4	30.1	13.0	3.82	1	3
20871	104005	3	1	2	3	2	2	1	1	1	2	142	174	50	25.0	2	5	4	28.4	13.9	3.73	1	3
20872	104006	2	3	2	5	2	2	2	3	1	4	132	163	45	28.0	2	5	4	35.3	12.7	3.85	1	3
20873	104007	2	2	2	5	2	2	1	3	1	4	136	163	40	22.0	2	5	4	34.5	10.4	4.23	1	3
20874	104008	3	1	1	5	-	2	1	3	1	4	149	174	50	-	2	5	4	24.8	10.9	4.22	1	3
20875	104009	1	3	1	3	2	2	2	3	1	2	121	156	50	24.0	2	5	4	32.8	12.9	3.62	2	3
20876	104010	2	3	2	5	2	2	2	3	1	4	136	163	50	26.0	2	5	4	33.5	14.3	3.62	1	3
20877	104011	2	3	2	5	2	2	2	3	1	4	133	163	45	28.0	2	5	4	37.6	10.9	4.12	1	3
20878	104012	2	3	2	5	2	2	1	3	1	4	133	163	45	25.0	2	5	4	33.6	11.1	4.14	1	3
20879	104013	2	3	2	5	2	2	1	3	1	4	135	163	50	25.0	2	5	4	34.7	11.8	4.15	1	3
20880	104014	3	1	1	3	2	2	1	-	1	1	164	179	50	-	2	5	4	24.9	16.7	3.49	1	3
20881	104015	3	1	1	5	2	2	1	1	1	1	164	178	55	-	2	5	4	22.3	9.0	4.55	1	3
20882	104016	2	3	1	3	2	2	1	3	1	4	119	164	50	19.0	3	5	4	27.0	12.2	4.01	1	3
20883	104017	1	1	1	3	2	2	2	3	1	4	135	164	30	23.0	3	5	4	28.8	11.5	4.17	1	3
20884	104018	2	3	2	3	2	2	2	3	1	4	136	159	40	20.0	2	5	4	40.5	11.0	4.09	1	3
20885	104019	2	2	2	5	2	2	2	3	1	4	139	170	45	30.0	2	5	4	37.6	13.2	3.90	1	3
20886	104020	2	3	2	5	2	2	1	3	1	4	140	163	40	23.0	2	5	4	36.8	12.2	3.93	1	3
20887	104021	2	3	2	3	2	2	1	3	1	4	140	158	40	19.0	2	5	4	34.4	10.8	4.25	1	3
20888	104022	2	3	2	5	2	2	2	3	1	4	141	159	40	25.0	2	5	4	35.6	12.0	4.00	1	3
20889	104023	2	3	1	3	2	2	2	3	1	2	127	166	45	17.0	2	5	4	42.5	15.4	3.61	1	5
20890	104024	3	3	2	3	2	2	2	3	1	4	127	156	45	33.0	2	5	4	38.8	15.3	3.48	1	3
20891	104025	2	3	2	5	2	2	2	3	1	4	127	156	50	29.0	2	5	4	37.9	15.4	3.46	1	3
20892	104026	2	3	2	5	2	2	2	1	1	4	135	156	50	30.0	2	5	4	36.2	12.2	4.01	1	3
20893	104027	2	3	2	5	2	2	2	1	1	4	128	156	50	25.0	2	5	4	35.7	12.0	4.00	1	3
20894	104028	2	3	2	3	2	2	2	1	1	4	128	156	50	36.0	2	5	4	38.8	13.8	3.41	1	3
20895	104029	2	3	2	3	2	2	2	1	1	4	135	156	45	28.0	2	5	4	35.2	12.7	3.85	1	3
20896	104030	2	3	2	5	2	2	1	1	1	4	128	155	45	27.0	2	5	4	36.2	14.6	3.38	1	3
20897	104031	2	3	2	3	2	2	2	1	1	5	127	156	45	28.0	2	5	4	36.3	14.5	3.44	1	3
20898	104032	2	3	2	5	2	2	2	1	1	4	125	156	45	29.0	2	5	4	36.0	15.1	3.70	1	3
20899	104033	2	1	1	5	2	2	1	1	1	2	142	170	50	20.0	2	5	4	29.6	13.4	3.65	1	3
20900	104034	2	3	2	3	2	2	2	1	1	4	127	154	50	31.0	2	5	4	40.9	14.1	3.59	1	3
20901	104035	2	2	1	5	2	2	1	1	1	4	142	172	45	13.0	2	5	4	27.6	13.3	3.90	1	3
20902	104036	2	2	1	5	2	2	1	1	1	4	142	172	50	17.0	2	5	4	33.9	10.9	4.22	1	3
20903	104037	2	2	1	5	2	2	1	1	1	2	141	172	40	17.0	2	5	4	33.5	12.7	3.93	1	3
20904	104038	2	2	1	5	2	2	1	3	1	4	142	172	45	19.0	2	5	4	32.2	12.7	3.93	1	3
20905	104039	2	2	1	5	2	2	1	1	1	2	141	172	50	24.0	2	5	4	31.2	11.9	4.03	1	3
20906	104040	2	1	1	5	2	2	1	1	1	4	143	173	45	34.0	2	5	4	26.6	11.4	4.21	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20907	104041	2	1	1	5	2	2	1	1	1	4	141	172	40	15.0	2	5	4	31.5	11.7	4.18	1	3
20908	104042	2	3	1	3	2	2	1	1	1	2	125	156	50	34.0	2	5	4	24.6	12.4	3.77	1	3
20909	104043	2	3	1	3	2	2	1	1	1	2	125	156	45	23.0	2	5	4	30.5	12.8	3.73	1	3
20910	104044	2	3	1	3	2	2	1	1	1	2	127	156	50	24.0	2	5	4	29.2	11.1	3.89	1	3
20911	104045	2	3	1	5	2	2	1	1	1	2	127	156	40	18.0	2	5	4	23.2	12.2	3.77	1	3
20912	104046	1	3	1	3	2	2	1	1	1	2	124	155	50	19.0	2	5	4	28.5	11.6	3.76	1	5
20913	104047	2	3	1	3	2	2	1	1	1	2	123	154	40	22.0	2	5	4	24.8	12.1	3.90	1	3
20914	104048	2	3	1	3	2	2	1	1	1	2	127	156	45	29.0	2	5	4	24.0	11.4	4.05	1	3
20915	104049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20916	104050	2	2	1	3	2	1	1	1	1	-	128	156	40	19.0	2	5	4	24.2	12.3	3.90	1	3
20917	104051	2	3	1	3	2	2	1	1	1	4	124	155	50	27.0	2	5	4	30.8	12.4	4.03	1	3
20918	104052	1	3	1	3	2	2	1	1	1	2	125	155	40	20.0	2	5	4	25.8	12.3	3.98	1	3
20919	104053	1	3	1	3	2	1	1	1	1	-	125	156	45	25.0	2	5	4	24.5	13.6	3.50	1	3
20920	104054	1	3	1	1	2	1	1	1	1	-	127	156	40	24.0	3	5	4	23.2	13.8	3.52	1	3
20921	104055	1	3	1	1	2	1	1	1	1	-	128	156	35	23.0	3	5	4	28.1	12.0	3.91	1	3
20922	104056	3	1	1	3	2	2	1	1	1	4	133	158	45	25.0	2	5	4	40.3	12.0	4.08	1	3
20923	104057	1	3	1	3	2	2	1	1	1	4	128	158	50	20.0	2	5	4	36.8	12.0	3.95	1	3
20924	104058	3	1	1	3	2	2	1	3	1	4	135	162	35	26.0	2	5	4	40.2	10.9	4.31	1	3
20925	104059	3	1	1	3	2	2	1	3	1	4	135	159	35	26.0	2	5	4	39.2	11.3	4.33	1	3
20926	104060	3	1	1	5	2	2	1	9	1	2	135	164	35	20.0	2	5	4	35.6	11.1	4.32	1	3
20927	104061	3	1	1	5	1	2	1	9	1	2	142	171	40	20.0	2	5	4	26.0	12.0	4.00	1	3
20928	104062	3	3	1	3	2	2	1	1	1	4	133	159	50	17.0	3	5	4	41.4	14.9	3.47	1	5
20929	104063	3	3	1	3	2	2	1	9	1	4	133	162	50	17.0	3	5	4	42.1	10.8	4.16	1	5
20930	104064	2	3	1	3	2	2	1	1	1	2	124	156	45	17.0	2	5	4	29.2	11.2	4.28	1	3
20931	104065	3	1	1	1	2	2	1	1	1	4	135	159	40	26.0	2	5	4	41.0	11.5	4.08	1	3
20932	104066	3	3	1	1	2	2	1	3	1	4	136	163	35	21.0	2	5	4	30.4	11.2	4.19	2	3
20933	104067	3	2	1	3	2	2	1	3	1	4	142	163	35	16.0	3	5	4	31.4	10.8	4.16	1	3
20934	104068	2	3	1	3	2	2	1	9	1	2	133	159	50	22.0	2	5	4	39.8	11.7	4.04	1	3
20935	104069	2	3	2	3	2	2	1	1	1	2	127	156	45	21.0	2	5	4	35.9	12.4	3.67	1	3
20936	104070	3	1	2	5	2	2	1	1	1	-	142	168	40	25.0	2	5	4	23.0	11.1	4.14	1	3
20937	104071	2	3	2	5	2	2	1	1	1	4	139	164	45	27.0	2	5	4	29.3	12.6	3.88	1	3
20938	104072	2	3	2	5	1	2	1	3	1	4	139	164	40	29.0	2	5	4	30.3	12.7	3.93	1	3
20939	104073	2	3	2	3	2	2	2	1	1	4	133	156	50	29.0	2	5	4	35.8	12.3	3.98	1	3
20940	104074	3	1	2	3	1	2	2	1	1	2	142	170	45	20.0	2	5	4	36.8	11.2	4.01	1	3
20941	104075	2	3	2	3	2	2	2	3	1	4	124	155	50	20.0	2	5	4	38.9	12.0	4.16	1	3
20942	104076	2	3	2	5	2	2	1	1	1	4	128	156	40	28.0	2	5	4	35.5	11.2	4.19	1	3
20943	104077	2	3	2	5	2	2	1	1	1	4	136	167	45	21.0	2	5	4	39.7	11.0	4.09	1	3
20944	104078	2	3	2	5	1	2	1	3	1	4	136	166	50	22.0	2	5	4	37.3	12.5	4.00	1	3
20945	104079	2	3	2	5	2	2	1	3	1	4	133	159	40	20.0	2	5	4	35.9	10.8	3.98	1	3
20946	104080	3	1	1	5	2	2	1	1	1	1	143	171	50	19.0	2	5	4	28.2	10.4	4.23	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20947	104081	2	3	2	3	2	2	1	1	1	4	127	156	50	25.0	2	5	4	39.6	16.6	3.34	1	3
20948	104082	3	3	1	3	2	2	1	9	1	2	136	166	40	22.0	2	5	4	40.5	10.8	4.35	1	3
20949	104083	2	3	2	3	2	2	2	1	1	4	135	163	45	30.0	2	5	4	37.0	12.2	3.93	1	3
20950	104084	3	3	2	3	2	2	2	1	1	4	141	163	40	21.0	2	5	4	38.3	11.7	4.01	1	3
20951	104085	3	1	-	5	2	2	1	-	1	1	-	179	40	-	-	5	-	22.3	11.1	4.23	1	3
20952	104086	3	1	1	5	2	2	1	1	1	4	143	175	50	14.0	2	5	4	30.0	10.6	4.15	1	3
20953	104087	3	2	2	3	2	2	2	1	1	4	142	170	45	31.0	2	5	4	32.0	11.7	4.10	1	3
20954	104088	3	3	2	3	2	2	2	3	1	4	135	170	40	29.0	2	5	4	35.4	11.9	4.03	1	3
20955	104089	1	3	1	3	2	1	1	1	1	-	127	158	55	26.0	2	5	4	32.6	14.1	3.52	1	3
20956	104090	3	1	1	5	2	2	1	1	1	1	163	178	50	-	2	5	4	23.8	11.0	4.27	1	3
20957	104091	3	1	1	5	1	2	2	1	1	4	163	178	50	-	2	5	4	20.5	9.9	4.44	1	3
20958	104092	3	1	1	5	1	2	1	1	1	2	131	167	40	20.0	2	5	4	35.2	11.5	4.08	1	3
20959	104093	3	1	1	3	1	2	1	1	1	2	134	168	35	19.0	2	5	4	30.7	-	-	2	3
20960	104094	2	3	2	5	1	2	1	1	1	4	125	163	40	27.0	2	5	4	40.1	12.1	3.96	1	3
20961	104095	2	3	2	5	2	2	2	1	1	4	141	163	40	29.0	2	5	4	38.3	11.3	3.98	1	3
20962	104096	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20963	104097	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20964	104098	2	3	2	3	2	2	1	3	1	4	136	168	45	25.0	2	5	4	31.5	14.4	3.75	1	3
20965	104099	2	3	2	3	2	2	1	5	1	5	128	159	50	22.0	2	5	4	48.7	-	-	1	3
20966	104100	2	3	2	5	2	2	1	3	1	3	128	166	40	25.0	2	5	4	38.3	17.8	3.36	1	3
20967	104101	2	3	2	3	2	2	1	1	1	4	131	159	45	27.0	2	5	4	37.1	12.4	4.19	1	3
20968	104102	2	3	2	5	2	2	1	3	1	4	143	168	45	25.0	2	5	4	31.0	13.4	3.95	1	3
20969	104103	2	3	2	5	2	2	1	3	1	4	142	167	45	21.0	2	5	4	31.7	12.3	3.98	1	3
20970	104104	3	1	-	3	-	-	-	-	-	-	-	-	35	-	-	5	-	-	13.8	3.76	1	3
20971	104105	2	2	1	5	2	2	1	3	1	4	146	174	50	17.0	2	5	4	32.0	12.0	3.91	1	3
20972	104106	3	1	1	5	2	2	1	1	1	4	167	179	35	-	2	5	4	19.7	11.6	4.22	1	3
20973	104107	3	1	1	5	2	2	1	1	1	4	163	180	45	-	2	5	4	21.5	11.1	4.14	1	3
20974	104108	3	1	1	5	2	2	1	1	1	4	164	178	50	-	2	5	4	17.1	12.5	3.54	1	3
20975	104109	3	3	2	5	2	2	1	3	1	4	127	155	50	27.0	2	5	4	40.3	10.9	4.31	1	3
20976	104110	2	3	2	5	2	2	1	1	1	4	136	168	60	22.0	2	5	4	34.3	-	-	1	3
20977	104111	1	3	2	3	2	2	1	3	1	4	136	158	50	27.0	2	5	4	42.7	13.0	3.84	1	3
20978	104112	2	3	1	5	2	2	1	3	1	4	142	170	40	18.0	3	5	4	22.0	14.6	3.76	1	3
20979	104113	2	3	2	7	2	2	1	3	1	4	141	169	60	32.0	2	5	4	30.0	12.7	3.93	1	3
20980	104114	2	3	2	3	2	2	1	3	1	4	140	167	50	25.0	2	5	4	35.4	13.6	3.75	1	3
20981	104115	2	3	2	5	2	2	1	3	1	4	141	164	50	17.0	2	5	4	35.4	11.6	4.22	1	3
20982	104116	2	3	2	5	2	2	1	3	1	4	142	164	50	21.0	2	5	4	38.4	13.2	3.78	1	3
20983	104117	2	3	2	5	2	2	1	3	1	4	142	164	50	25.0	2	5	4	37.9	14.3	3.69	1	3
20984	104118	2	3	2	5	2	2	2	3	1	4	141	163	45	25.0	2	5	4	31.2	14.2	3.80	1	3
20985	104119	2	2	2	7	2	2	1	3	1	4	149	168	45	21.0	2	5	4	29.0	16.2	3.48	1	3
20986	104120	2	3	2	5	2	2	1	1	1	4	123	156	60	27.0	2	5	4	39.8	-	-	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GOO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
20987	104121	2	3	1	5	2	2	2	3	1	4	126	159	45	23.0	2	5	4	34.0	15.2	3.61	2	3
20988	104122	2	3	2	5	2	2	2	3	1	4	128	158	50	21.0	2	5	4	37.8	-	-	1	3
20989	104123	2	2	2	7	2	2	1	3	1	4	127	169	70	29.0	2	4	4	34.9	16.1	3.46	1	3
20990	104124	2	3	2	5	2	2	1	3	1	4	142	169	50	27.0	2	4	4	35.3	17.6	3.53	1	5
20991	104125	2	3	2	7	2	2	1	3	1	4	133	168	45	27.0	2	5	4	32.9	13.3	3.90	1	3
20992	104126	2	3	2	7	2	2	1	3	1	4	142	168	50	38.0	2	5	4	31.2	12.7	4.01	1	3
20993	104127	2	3	2	5	2	2	1	3	1	4	141	168	45	26.0	2	5	4	38.8	12.1	4.13	1	3
20994	104128	2	3	2	5	2	2	1	3	1	4	127	168	50	24.0	3	5	4	38.0	12.8	3.98	1	3
20995	104129	2	3	1	5	2	1	1	1	1	-	133	168	55	26.0	2	5	4	27.7	13.4	3.95	1	3
20996	104130	2	3	2	7	2	2	1	3	1	4	142	168	50	39.0	2	5	4	39.7	13.5	3.85	1	3
20997	104131	2	3	1	3	2	1	1	1	1	-	133	163	50	18.0	2	5	4	28.6	13.1	3.96	1	3
20998	104132	2	3	2	7	2	2	1	1	1	4	142	169	70	33.0	2	5	4	24.9	-	-	1	3
20999	104133	2	2	2	7	2	2	1	3	1	4	141	169	45	24.0	2	5	4	28.4	12.9	3.95	1	3
21000	104134	2	3	2	7	2	2	1	3	1	4	142	168	45	19.0	2	5	4	34.9	12.4	4.03	1	3
21001	104135	3	1	2	7	2	2	1	3	1	4	142	169	45	31.0	2	5	4	39.8	14.3	3.56	1	3
21002	104136	3	1	2	5	2	2	1	1	1	4	136	169	45	25.0	2	5	4	36.7	15.4	3.62	1	3
21003	104137	1	3	2	7	2	2	1	1	1	4	141	168	50	32.0	2	5	4	38.6	11.5	4.17	1	3
21004	104138	2	3	2	7	2	2	1	1	1	4	143	167	50	19.0	1	5	4	38.0	-	-	1	3
21005	104139	2	2	2	7	2	2	1	3	1	4	141	169	45	33.0	2	5	4	31.7	13.4	3.95	1	3
21006	104140	2	3	2	7	2	2	1	3	1	4	142	168	45	31.0	3	5	4	38.0	15.3	3.64	1	3
21007	104141	3	3	2	5	2	2	1	3	1	4	139	168	45	19.0	2	5	4	33.8	12.6	3.96	2	3
21008	104142	3	3	2	5	2	2	1	3	1	4	141	168	45	31.0	2	5	4	33.4	16.6	3.49	1	3
21009	104143	3	3	2	5	2	2	2	3	1	4	142	168	40	26.0	2	5	4	35.3	13.2	3.78	1	3
21010	104144	3	1	2	5	2	2	1	1	1	4	141	169	40	27.0	2	5	4	32.6	13.5	3.70	1	3
21011	104145	2	3	2	5	2	2	1	3	1	4	140	169	40	31.0	2	5	4	35.2	13.0	3.76	1	3
21012	104146	3	3	2	5	2	2	1	3	1	4	143	168	45	28.0	2	4	4	32.4	13.7	3.79	1	3
21013	104147	2	3	2	5	2	2	2	3	1	4	143	168	40	28.0	2	5	4	31.5	12.0	4.08	2	3
21014	104148	2	3	2	3	2	2	1	3	1	4	143	168	45	33.0	2	5	4	37.4	12.7	4.01	1	3
21015	104149	1	3	2	5	2	2	1	3	1	4	143	168	45	29.0	2	5	4	32.2	15.4	3.63	1	3
21016	104150	2	3	2	3	2	2	1	3	1	4	143	167	45	25.0	2	5	4	40.0	14.2	3.80	1	3
21017	104151	2	3	2	7	2	2	1	3	1	4	143	167	50	29.0	2	5	4	36.1	14.2	3.80	1	3
21018	104152	3	3	2	5	2	2	1	3	1	4	142	168	50	24.0	2	4	4	33.7	14.1	3.75	2	3
21019	104153	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21020	104154	3	2	1	7	2	2	1	3	1	2	143	173	60	21.0	2	5	4	23.8	11.9	4.03	1	3
21021	104155	3	2	1	7	2	2	1	3	1	2	127	173	55	16.0	2	5	4	27.8	12.1	4.04	1	3
21022	104156	3	1	1	5	2	2	1	3	1	1	164	177	50	-	2	5	4	26.3	13.0	4.07	1	3
21023	104157	3	1	1	5	2	2	1	1	1	4	154	175	60	-	2	5	4	21.5	-	-	1	3
21024	104158	2	3	2	7	2	2	1	3	1	4	136	159	50	22.0	2	5	4	35.1	13.7	3.86	1	3
21025	104159	3	1	2	5	2	2	1	3	1	4	-	180	40	-	3	5	4	26.3	14.6	3.63	1	3
21026	104160	3	2	1	5	2	2	2	1	1	2	136	169	45	22.0	2	5	4	36.5	12.8	3.87	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21027	104161	2	2	1	5	2	2	1	1	1	2	139	172	50	22.0	2	5	4	27.6	13.0	3.67	1	3
21028	104162	2	2	1	3	2	1	1	1	1	-	131	163	50	25.0	3	5	4	35.3	11.1	4.05	2	3
21029	104163	-	3	1	3	2	2	1	1	1	2	124	155	45	19.0	2	5	4	33.8	12.6	3.85	1	5
21030	104164	2	1	2	5	2	2	1	1	1	4	172	179	40	-	2	5	4	29.8	14.8	3.71	1	3
21031	104165	3	2	1	3	2	1	1	1	1	-	135	170	50	23.0	2	5	4	35.5	9.5	4.31	1	5
21032	104166	3	3	1	3	2	2	2	1	1	2	136	168	40	28.0	2	5	4	34.8	11.6	4.31	1	3
21033	104167	2	2	1	3	2	2	1	1	1	2	141	170	40	17.0	2	5	4	30.2	-	-	1	3
21034	104168	3	1	1	5	2	2	1	3	1	4	136	164	45	20.0	2	5	4	34.6	14.2	3.53	1	3
21035	104169	2	3	1	3	2	2	2	3	1	4	133	164	50	24.0	3	5	4	35.6	10.7	4.39	1	3
21036	104170	3	2	1	3	2	2	1	3	1	4	136	163	40	23.0	2	5	4	35.9	11.2	4.19	1	3
21037	104171	3	2	1	5	2	2	1	1	1	4	142	169	50	19.0	3	5	4	39.6	11.6	4.13	1	5
21038	104172	2	3	2	7	2	2	1	1	1	4	117	151	60	20.0	2	5	4	35.7	12.7	4.01	1	3
21039	104173	2	3	2	5	2	2	1	3	1	4	121	156	60	27.0	2	5	4	35.3	14.5	3.48	1	3
21040	104174	2	3	2	5	2	2	2	3	1	4	133	164	50	24.0	2	5	4	32.1	12.6	3.96	2	3
21041	104175	2	3	1	5	1	2	2	3	1	4	135	159	50	-	2	5	4	27.6	11.1	4.05	1	3
21042	104176	2	3	2	3	2	2	2	3	1	4	133	163	45	28.0	2	5	4	33.9	15.4	3.38	1	3
21043	104177	2	3	2	3	2	2	1	3	1	4	123	154	55	34.0	2	5	4	35.9	12.8	3.63	1	3
21044	104178	2	3	2	5	2	2	1	1	1	4	120	154	50	32.0	2	5	4	37.8	12.6	3.96	1	3
21045	104179	2	3	2	5	2	2	1	1	1	4	123	154	55	24.0	2	5	4	40.0	12.1	4.04	1	3
21046	104180	2	3	2	3	2	2	1	3	1	4	123	154	60	27.0	2	5	4	37.6	-	-	1	3
21047	104181	2	3	2	5	2	2	1	3	1	4	131	155	55	30.0	1	5	4	39.5	12.6	3.96	1	3
21048	104182	2	3	2	5	2	2	1	3	1	4	124	155	55	25.0	2	5	4	39.4	13.9	3.52	1	3
21049	104183	2	3	2	5	2	2	1	3	1	4	124	155	55	32.0	2	5	4	39.3	-	-	1	3
21050	104184	2	2	2	7	2	2	2	-	1	4	142	170	40	20.0	2	5	4	28.8	13.3	3.83	1	3
21051	104185	2	3	2	5	2	2	1	1	1	4	123	153	65	33.0	2	5	4	35.6	13.8	3.76	1	3
21052	104186	3	3	2	5	2	2	1	3	1	4	124	155	60	25.0	2	5	4	38.6	12.6	3.96	1	3
21053	104187	3	3	2	5	2	2	1	3	1	4	128	158	50	30.0	2	5	4	40.4	11.3	4.33	1	3
21054	104188	3	3	2	3	2	2	1	3	1	4	123	159	45	18.0	2	5	4	39.3	11.9	4.11	1	3
21055	104189	2	3	2	5	2	2	1	1	1	4	124	165	55	26.0	2	5	4	40.0	11.2	4.28	1	3
21056	104190	3	3	2	5	2	2	1	1	1	2	124	165	50	26.0	2	5	4	39.3	12.0	4.08	1	3
21057	104191	2	3	2	5	2	2	1	1	1	4	124	155	50	25.0	2	5	4	39.1	13.3	3.66	1	3
21058	104192	2	3	2	5	2	2	1	3	1	4	125	156	50	28.0	2	5	4	36.3	13.6	3.73	1	3
21059	104193	2	2	2	7	2	2	2	3	1	4	136	170	35	22.0	2	5	4	38.4	15.1	3.55	2	3
21060	104194	2	3	2	3	2	2	2	3	1	2	128	159	45	23.0	2	5	4	37.2	12.0	4.08	1	3
21061	104195	3	3	2	3	2	2	1	3	1	4	127	156	50	25.0	2	5	4	38.7	11.4	4.29	1	3
21062	104196	2	3	2	3	2	2	1	3	1	4	139	165	50	30.0	2	5	4	35.6	12.1	4.04	2	3
21063	104197	2	3	2	3	2	2	1	3	1	4	136	166	50	21.0	2	5	4	31.7	12.5	4.00	2	3
21064	104198	2	3	2	5	2	2	2	3	1	4	136	166	40	22.0	2	5	4	31.7	12.7	3.93	2	3
21065	104199	2	3	2	5	2	2	2	3	1	-	127	164	45	22.0	2	5	4	33.2	12.5	4.00	1	3
21066	104200	2	3	2	5	2	2	1	-	1	4	125	156	50	33.0	2	5	4	40.9	13.4	3.95	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21067	104201	2	3	2	3	2	2	1	3	1	2	126	156	50	30.0	2	5	4	40.6	13.5	4.00	1	3
21068	104202	2	3	2	3	2	2	2	3	1	4	126	156	50	27.0	2	5	4	39.3	11.9	4.11	1	3
21069	104203	2	3	2	3	2	2	1	3	1	4	126	156	50	19.0	2	5	4	32.4	11.5	4.17	1	3
21070	104204	2	3	2	5	2	2	2	3	1	4	141	167	40	21.0	2	5	4	30.3	12.3	3.90	1	3
21071	104205	2	3	2	5	2	2	2	1	1	4	125	156	50	30.0	2	5	4	39.1	12.7	4.09	1	3
21072	104206	2	3	2	5	2	2	1	1	1	4	127	156	50	30.0	2	5	4	38.7	13.0	3.87	1	3
21073	104207	3	3	2	5	2	2	1	1	1	2	127	157	50	31.0	2	5	4	39.2	12.2	4.09	1	3
21074	104208	3	3	2	3	2	2	1	-	1	4	135	159	50	26.0	2	5	4	36.8	12.2	4.09	1	3
21075	104209	3	3	2	3	2	2	1	1	1	4	125	155	50	21.0	2	5	4	34.8	11.5	4.26	1	3
21076	104210	2	3	2	3	2	2	2	1	1	4	124	155	55	23.0	2	5	4	40.2	12.5	4.00	1	3
21077	104211	2	2	2	3	2	2	2	3	1	4	136	169	50	35.0	2	5	4	32.8	11.2	4.28	1	3
21078	104212	2	3	2	3	2	2	2	1	1	4	127	158	60	30.0	2	5	4	40.3	11.4	4.29	1	3
21079	104213	2	3	2	3	2	2	2	1	1	4	132	159	50	30.0	2	5	4	39.1	13.4	3.95	1	3
21080	104214	2	3	2	3	2	2	2	1	1	4	132	159	60	29.0	2	5	4	38.8	12.9	4.10	1	3
21081	104215	2	3	2	3	2	2	1	-	1	2	126	159	60	30.0	2	5	4	42.1	12.1	3.96	1	3
21082	104216	2	3	2	3	2	2	1	1	1	4	135	159	50	29.0	2	5	4	38.4	12.6	3.96	1	3
21083	104217	3	3	2	3	2	2	2	-	1	4	133	159	50	25.0	2	5	4	37.4	12.8	3.98	1	3
21084	104218	3	3	2	3	2	2	1	-	1	4	141	163	50	29.0	2	5	4	38.0	11.1	4.14	1	3
21085	104219	2	3	2	3	2	2	1	1	1	4	136	159	50	31.0	2	5	4	39.3	13.4	3.88	1	3
21086	104220	2	3	2	3	2	2	2	1	1	4	128	156	50	29.0	2	5	4	40.6	13.4	3.95	1	3
21087	104221	2	3	2	3	2	2	2	1	1	4	128	156	60	32.0	2	5	4	39.2	12.6	4.04	1	3
21088	104222	1	3	2	3	2	2	2	1	1	4	136	159	50	30.0	2	5	4	37.0	13.9	3.81	2	3
21089	104223	2	3	2	3	2	2	1	1	1	4	136	164	50	23.0	2	5	4	42.8	12.5	4.08	1	3
21090	104224	2	3	2	3	2	2	1	1	1	4	136	159	50	25.0	2	5	4	34.9	13.3	3.90	1	3
21091	104225	1	3	2	3	2	2	1	3	1	4	132	158	50	31.0	2	5	4	35.3	14.1	3.82	1	3
21092	104226	2	3	2	3	2	2	1	3	1	4	128	156	50	29.0	2	5	4	36.9	11.9	4.11	1	3
21093	104227	3	3	2	3	2	2	2	3	1	4	136	162	45	31.0	2	5	4	35.1	11.1	4.23	1	3
21094	104228	3	3	2	3	2	2	2	1	1	4	136	163	50	29.0	2	5	4	33.3	10.4	4.23	1	3
21095	104229	2	3	2	5	2	2	1	-	1	4	133	163	50	30.0	2	5	4	38.6	12.4	4.19	1	3
21096	104230	3	3	2	7	2	2	2	3	1	4	138	168	50	30.0	2	5	4	39.7	12.0	4.00	1	3
21097	104231	3	3	2	3	2	2	2	1	1	4	127	156	50	29.0	2	5	4	37.8	12.2	4.18	1	3
21098	104232	2	3	2	3	2	-	1	1	-	-	133	156	50	28.0	2	5	4	-	11.8	4.23	1	3
21099	104233	2	3	2	3	2	-	1	1	-	-	127	159	50	33.0	2	5	4	-	-	-	1	3
21100	104234	2	3	2	3	2	2	2	1	1	4	127	156	50	33.0	2	5	4	37.4	11.6	4.31	1	3
21101	104235	2	3	2	3	2	2	1	3	1	4	135	159	50	28.0	2	5	4	36.1	-	-	1	3
21102	104236	2	3	1	1	2	1	1	1	1	-	131	167	60	28.0	2	5	4	36.8	14.9	3.65	1	3
21103	104237	3	2	2	5	2	2	2	-	1	4	135	167	55	29.0	2	5	4	33.5	14.6	3.66	1	3
21104	104238	2	3	2	3	2	2	1	3	1	4	131	159	55	33.0	2	5	4	37.3	11.9	4.20	1	3
21105	104239	2	3	2	5	2	2	2	3	1	4	127	159	55	31.0	2	5	4	39.2	12.7	3.70	1	3
21106	104240	2	3	2	3	2	2	1	3	1	2	136	159	50	30.0	2	5	4	37.7	13.6	3.75	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21107	104241	2	3	2	3	2	2	2	-	1	4	142	159	45	29.0	2	5	4	35.4	13.0	4.00	1	3
21108	104242	2	3	2	3	2	-	1	1	-	-	136	156	50	30.0	2	5	4	-	14.5	3.79	1	3
21109	104243	2	3	2	5	2	-	1	1	-	-	143	159	45	28.0	2	5	4	-	13.1	3.96	1	3
21110	104244	2	3	2	3	2	-	1	1	-	-	142	159	50	33.0	2	5	4	-	-	-	1	3
21111	104245	2	1	2	7	2	2	1	3	1	4	143	172	60	22.0	2	5	4	31.4	14.1	3.75	1	3
21112	104246	2	3	2	5	2	2	1	1	1	5	136	164	40	22.0	2	5	4	41.6	12.3	3.98	1	3
21113	104247	3	3	2	3	2	2	1	1	1	5	136	164	40	36.0	2	5	4	33.5	12.1	3.71	1	3
21114	104248	2	3	2	3	2	2	2	1	1	4	132	164	50	31.0	2	5	4	38.3	13.8	3.84	1	3
21115	104249	2	3	2	3	2	2	2	1	1	2	133	164	50	25.0	2	5	4	33.2	14.1	3.75	1	3
21116	104250	2	3	2	3	2	2	1	3	1	2	132	164	45	33.0	2	5	4	38.5	15.0	3.72	1	3
21117	104251	2	3	2	3	2	2	2	3	1	4	133	163	50	30.0	2	5	4	36.5	12.3	4.06	1	3
21118	104252	2	3	2	5	2	2	1	3	1	4	138	168	50	21.0	2	5	4	26.1	14.0	3.78	1	3
21119	104253	2	3	2	5	2	2	1	3	1	4	132	159	50	29.0	2	5	4	25.0	14.6	3.62	2	3
21120	104254	2	3	2	3	2	2	1	1	1	2	127	158	60	24.0	2	5	4	36.1	13.4	3.87	1	3
21121	104255	2	3	2	3	2	2	1	1	1	2	136	163	55	26.0	2	5	4	34.3	13.0	4.15	1	3
21122	104256	2	2	2	7	2	2	2	1	1	4	140	170	50	26.0	2	5	4	32.2	12.1	4.13	2	3
21123	104257	2	1	2	5	2	2	1	1	1	4	141	169	60	28.0	2	5	4	26.1	12.5	4.00	1	3
21124	104258	1	2	2	7	2	2	2	1	1	4	140	169	60	28.0	2	5	4	31.3	12.8	3.98	1	3
21125	104259	2	3	2	3	2	2	1	1	1	4	133	163	50	33.0	2	5	4	37.0	14.0	3.85	2	3
21126	104260	2	3	2	5	2	2	2	1	1	5	128	163	50	28.0	2	5	4	39.1	12.7	4.01	1	3
21127	104261	2	3	2	3	2	2	2	1	1	4	133	162	50	27.0	2	5	4	39.1	13.0	4.00	1	3
21128	104262	2	3	2	3	2	2	2	5	1	4	132	163	60	33.0	2	5	4	40.2	14.4	3.64	1	3
21129	104263	2	3	2	3	2	2	2	-	1	2	136	167	50	28.0	2	5	4	37.3	12.9	3.95	1	3
21130	104264	2	3	2	3	2	2	1	1	1	2	128	164	60	33.0	2	5	4	41.6	12.5	4.00	1	3
21131	104265	2	3	2	3	2	2	1	3	1	4	132	167	60	29.0	2	5	4	41.3	15.7	3.55	1	3
21132	104266	2	3	2	5	2	2	1	3	1	2	136	167	40	36.0	2	5	4	37.5	11.8	3.98	1	3
21133	104267	2	3	2	5	2	2	2	3	1	4	136	158	45	29.0	2	5	4	34.5	12.2	4.09	2	3
21134	104268	2	3	2	3	2	2	1	3	1	4	133	159	50	29.0	2	5	4	36.8	12.6	4.04	1	3
21135	104269	2	3	2	3	2	2	1	3	1	4	136	170	50	29.0	2	5	4	32.3	14.5	3.64	1	3
21136	104270	2	3	2	3	2	2	1	3	1	4	131	163	55	27.0	2	5	4	39.0	12.8	3.98	1	3
21137	104271	1	3	2	5	2	2	1	3	1	4	127	156	60	27.0	2	5	4	40.7	14.3	3.69	1	3
21138	104272	2	3	2	5	2	2	1	3	1	4	136	168	50	20.0	2	5	4	30.3	15.1	3.59	1	3
21139	104273	3	3	2	3	2	2	1	3	1	4	127	155	50	30.0	2	5	4	38.5	13.7	3.72	1	3
21140	104274	3	3	2	5	2	2	2	3	1	4	127	155	55	25.0	2	5	4	39.2	12.0	4.16	1	3
21141	104275	2	3	2	3	2	2	1	3	1	2	131	159	50	30.0	2	5	4	38.7	13.1	3.89	1	3
21142	104276	3	3	2	3	2	2	2	3	1	4	136	163	45	21.0	2	5	4	37.4	15.0	3.66	1	3
21143	104277	3	3	2	3	2	2	1	3	1	4	136	163	50	28.0	2	5	4	34.2	12.8	3.90	1	3
21144	104278	3	3	2	5	2	2	2	3	1	2	132	164	50	31.0	2	5	4	36.6	13.5	3.63	1	3
21145	104279	2	3	2	3	2	2	1	3	1	4	127	158	50	23.0	2	5	4	37.4	13.8	3.91	1	3
21146	104280	2	3	2	5	2	2	2	3	1	4	124	154	60	29.0	2	5	4	37.4	13.8	3.91	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21147	104281	3	3	2	3	2	2	2	3	1	4	135	163	55	38.0	2	5	4	35.6	13.9	3.68	1	3
21148	104282	2	3	1	3	2	1	1	3	1	-	125	159	65	18.0	2	5	4	26.8	13.1	3.54	1	5
21149	104283	3	3	2	5	2	2	1	3	1	2	127	155	50	26.0	2	5	4	41.2	13.8	3.68	1	3
21150	104284	3	3	2	5	2	2	1	3	1	2	127	154	50	25.0	2	5	4	36.2	11.7	3.74	1	3
21151	104285	3	3	2	5	2	2	1	3	1	2	125	154	55	29.0	2	5	4	36.2	13.0	3.76	1	3
21152	104286	3	3	2	5	2	2	2	3	1	4	127	154	50	29.0	2	5	4	37.3	12.4	4.11	1	3
21153	104287	3	3	2	5	2	2	2	3	1	4	131	164	50	25.0	2	5	4	35.6	11.9	4.03	1	3
21154	104288	2	3	1	-	2	1	1	1	1	-	131	167	70	27.0	2	5	4	23.4	14.8	3.55	1	3
21155	104289	2	3	2	5	2	2	1	3	1	4	127	156	60	27.0	2	5	4	38.9	12.2	3.90	1	3
21156	104290	3	3	2	3	2	2	1	3	1	2	128	155	50	32.0	2	5	4	36.2	12.5	4.00	1	3
21157	104291	2	3	1	3	2	1	1	1	1	-	131	164	50	24.0	3	5	4	23.5	14.8	3.70	1	3
21158	104292	3	3	2	3	2	2	1	3	1	2	136	155	50	22.0	2	5	4	41.2	12.3	4.06	1	3
21159	104293	2	3	2	3	2	2	1	1	1	4	136	156	60	37.0	2	5	4	45.0	13.1	3.72	1	3
21160	104294	2	3	2	5	2	2	2	1	1	2	135	159	50	34.0	2	5	4	39.4	12.5	3.81	1	3
21161	104295	2	3	2	3	2	2	2	1	1	2	136	159	45	32.0	2	5	4	39.0	11.8	4.06	1	3
21162	104296	2	3	2	3	2	2	1	1	1	2	136	163	40	30.0	2	5	4	39.9	14.7	3.60	1	3
21163	104297	2	3	1	1	2	1	2	1	1	-	127	163	70	24.0	2	5	4	31.5	13.9	3.59	1	5
21164	104298	2	3	1	1	2	1	1	1	1	-	124	153	60	22.0	2	5	4	30.6	12.8	3.60	1	5
21165	104299	2	3	2	3	2	2	2	3	1	2	127	154	50	25.0	2	5	4	41.9	12.5	3.76	1	3
21166	104300	2	3	2	3	2	2	1	3	1	4	128	154	50	18.0	2	5	4	41.1	12.8	4.06	1	3
21167	104301	2	3	1	3	2	1	1	1	1	-	128	162	55	23.0	2	5	4	31.5	13.8	3.73	1	3
21168	104302	2	3	2	3	2	2	2	3	1	4	136	158	45	33.0	2	5	4	41.7	12.7	4.01	1	3
21169	104303	2	3	2	5	2	2	1	3	1	4	127	155	50	25.0	2	5	4	41.9	11.4	4.12	1	3
21170	104304	2	3	2	3	2	2	1	3	1	4	124	156	55	32.0	2	5	4	45.1	13.0	3.80	1	3
21171	104305	2	3	1	3	2	1	2	1	1	-	128	159	60	24.0	2	5	4	32.8	12.9	3.49	1	5
21172	104306	2	3	1	3	2	1	1	1	1	-	128	156	55	22.0	2	5	4	28.6	11.9	3.83	1	5
21173	104307	2	3	2	5	2	2	1	3	1	2	124	155	50	30.0	2	5	4	40.1	12.5	3.75	1	3
21174	104308	2	3	2	3	2	2	1	3	1	2	135	156	50	32.0	2	5	4	41.6	12.2	3.73	1	3
21175	104309	2	3	2	5	2	1	1	3	1	-	131	156	50	25.0	2	5	4	46.6	14.9	3.69	1	3
21176	104310	3	3	2	3	2	2	1	3	1	2	136	159	50	35.0	2	5	4	42.7	12.2	3.69	1	3
21177	104311	3	3	2	3	2	2	1	3	1	4	131	154	55	26.0	2	5	4	42.6	11.8	4.23	1	3
21178	104312	3	3	2	3	2	2	1	3	1	4	125	156	60	31.0	2	5	4	42.4	12.3	3.83	1	3
21179	104313	1	3	1	3	2	1	1	3	1	-	127	159	70	22.0	2	5	4	29.1	14.0	3.60	1	3
21180	104314	2	3	2	3	2	1	1	3	1	-	128	160	55	33.0	2	5	4	43.7	15.0	3.73	1	3
21182	104315	2	3	2	3	2	2	1	3	1	4	123	154	60	27.0	2	5	4	42.8	12.0	4.08	1	3
21183	104316	3	3	2	3	2	2	1	3	1	4	136	159	50	28.0	2	5	4	46.3	12.0	4.16	1	3
21184	104317	2	3	2	5	2	2	1	3	1	4	123	154	50	20.0	2	5	4	45.2	12.6	3.96	1	3
21185	104318	2	3	2	5	2	1	1	1	1	-	131	158	60	22.0	2	5	4	41.4	16.8	3.51	1	3
21186	104319	2	3	1	3	2	2	1	1	1	4	122	154	50	21.0	2	5	4	24.6	13.0	3.59	1	3
21187	104320	2	3	2	3	2	2	1	3	1	4	143	164	45	29.0	2	5	4	39.2	15.0	3.60	2	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21188	104321	3	3	2	3	2	2	1	1	1	4	123	154	50	32.0	2	5	4	38.0	12.3	3.98	1	3
21189	104322	3	3	2	1	2	2	1	1	1	4	125	155	50	24.0	2	5	4	47.7	11.9	3.94	1	3
21190	104323	3	3	2	5	2	2	1	3	1	4	132	163	55	30.0	2	5	4	49.2	12.8	3.98	1	3
21191	104324	3	3	2	3	2	2	1	1	1	2	123	155	55	30.0	2	5	4	42.5	11.8	3.87	1	5
21192	104325	1	3	2	1	2	2	1	3	1	2	123	154	60	30.0	2	5	4	45.0	13.1	3.79	1	5
21193	104326	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21194	104327	2	3	2	3	2	2	1	3	1	4	144	168	50	24.0	2	5	4	35.7	15.9	3.58	1	3
21195	104328	2	3	2	3	2	2	1	3	1	4	124	154	55	26.0	2	5	4	35.9	13.4	3.79	1	3
21196	104329	2	3	2	3	2	2	1	3	1	4	128	162	50	21.0	2	5	4	36.4	14.4	3.49	1	3
21197	104330	2	3	2	5	2	2	1	3	1	4	143	168	50	22.0	2	5	4	32.7	-	-	2	3
21198	104331	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21199	104332	2	3	2	3	2	2	1	3	1	4	136	156	55	34.0	2	5	4	33.0	13.4	3.58	1	3
21200	104333	3	3	2	3	2	2	1	3	1	4	135	156	55	35.0	2	5	4	36.7	13.7	3.75	1	3
21201	104334	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21202	104335	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21203	104336	2	3	2	3	2	2	1	3	1	4	135	166	50	25.0	2	5	4	33.7	14.9	3.51	1	3
21204	104337	2	3	2	3	2	2	1	3	1	4	136	159	50	25.0	2	5	4	35.6	12.6	3.88	1	3
21205	104338	3	3	2	3	2	2	1	3	1	4	128	155	55	32.0	2	5	4	33.8	14.0	3.64	1	3
21206	104339	3	3	2	3	2	2	1	3	1	4	128	154	50	29.0	2	5	4	32.7	12.5	3.73	1	3
21207	104340	2	1	2	7	2	2	1	3	1	4	136	169	55	28.0	2	5	4	27.4	15.3	3.56	1	3
21208	104341	2	3	2	5	2	2	1	3	1	4	131	159	50	29.0	2	5	4	35.9	13.3	3.72	1	3
21209	104342	3	1	2	7	2	2	1	3	1	4	142	170	50	25.0	2	5	4	30.6	14.4	3.44	1	3
21210	104343	2	3	2	3	2	2	1	-	1	2	133	164	50	30.0	2	5	4	43.1	13.7	3.71	1	3
21211	104344	2	3	2	3	2	2	1	3	1	4	139	163	50	25.0	2	5	4	43.6	14.9	3.49	1	3
21212	104345	2	3	2	3	2	2	1	-	1	2	136	163	50	23.0	2	5	4	47.5	14.4	3.75	1	3
21213	104346	3	3	2	3	2	2	1	3	1	4	136	167	50	34.0	2	5	4	37.7	12.9	3.87	2	3
21214	104347	2	3	2	3	2	2	1	9	1	2	136	167	50	29.0	2	5	4	45.3	12.8	3.90	1	3
21215	104348	2	1	1	-	-	2	1	1	1	2	140	170	50	22.0	3	5	2	34.4	14.4	3.67	1	3
21216	104349	2	1	2	3	2	2	2	3	1	4	136	167	50	30.0	2	5	4	42.5	15.4	3.52	1	3
21217	104350	3	2	2	3	2	2	1	3	1	4	134	166	45	16.0	3	5	4	50.8	11.7	3.84	1	3
21218	104351	3	1	1	5	2	2	1	1	1	2	147	172	55	20.0	2	5	4	31.0	15.1	3.72	1	3
21219	104352	2	3	2	3	2	2	1	3	1	2	135	159	50	28.0	2	5	4	43.2	-	-	1	3
21220	104353	2	3	2	3	2	2	1	9	1	2	143	168	45	29.0	2	5	4	40.6	13.7	3.72	1	3
21221	104354	3	3	2	3	2	2	1	-	-	2	136	159	50	27.0	2	5	4	-	13.6	3.89	1	3
21222	104355	3	3	2	3	2	2	1	3	1	4	141	167	45	23.0	2	5	4	38.8	12.6	3.88	1	3
21223	104356	3	3	2	3	2	2	1	3	1	2	135	164	55	33.0	2	5	4	48.5	11.8	3.92	1	3
21224	104357	2	3	2	3	2	2	1	1	1	2	128	164	50	27.0	2	5	4	47.0	14.6	3.78	1	3
21225	104358	3	3	2	3	2	2	1	3	1	2	133	159	50	26.0	2	5	4	45.9	13.1	3.89	1	3
21226	104359	2	3	2	1	2	2	1	3	1	2	131	164	55	32.0	2	5	4	50.8	12.8	3.83	1	3
21227	104360	2	3	2	3	2	2	1	3	1	4	130	164	60	31.0	2	5	4	51.3	11.2	3.85	1	3

IG	ICB	GHA	GCL	RNO	ACD	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21228	104361	2	3	2	5	2	2	2	3	1	5	136	164	50	27.0	2	5	4	38.3	12.9	3.69	1	3
21229	104362	3	2	1	5	2	2	1	1	1	2	136	173	55	-	2	5	4	37.5	12.8	3.90	1	5
21230	104363	2	3	2	3	2	2	1	-	1	2	127	164	60	29.0	2	5	4	52.4	13.5	3.85	1	3
21231	104364	1	3	2	3	2	2	1	-	1	2	133	159	50	26.0	2	5	4	49.2	13.4	3.95	1	3
21231	104365	3	3	2	3	2	2	1	3	1	4	136	162	50	28.0	2	5	4	44.1	12.5	4.00	1	3
21232	104366	2	3	2	3	2	2	2	3	1	5	136	164	50	24.0	2	5	4	37.9	12.3	3.90	1	3
21233	104367	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.2	3.93	-	-
21234	104368	2	2	1	-	-	2	1	9	1	2	135	170	50	19.0	3	5	2	38.8	10.7	4.20	2	3
21235	104369	3	3	1	3	1	2	1	3	1	2	127	160	50	12.0	3	5	4	48.4	12.1	3.85	1	3
21236	104370	3	3	-	3	2	2	2	3	1	2	135	167	50	-	-	5	4	45.7	12.2	3.77	1	3
21237	104371	3	1	2	3	2	2	1	1	1	2	144	173	-	20.0	2	5	4	32.9	11.4	4.03	1	3
21238	104372	3	3	2	5	2	2	1	1	1	4	136	164	45	30.0	2	5	4	39.0	13.2	3.71	1	3
21239	104373	3	3	2	3	2	2	1	3	1	4	128	167	50	24.0	2	5	4	36.8	14.3	3.63	1	3
21240	104374	2	3	2	5	2	2	1	3	1	4	136	167	50	24.0	2	5	4	37.1	15.2	3.57	1	3
21241	104375	2	3	2	1	2	2	1	3	1	4	124	155	55	24.0	2	5	4	52.6	12.6	3.96	1	3
21242	104376	2	3	2	1	2	2	1	3	1	4	124	155	50	32.0	2	5	4	45.1	11.5	4.17	1	3
21243	104377	2	3	2	1	2	2	2	1	1	2	123	155	50	27.0	2	5	4	44.5	11.4	4.21	1	3
21244	104378	2	3	2	3	2	2	1	3	1	4	128	156	50	30.0	2	5	4	45.6	12.3	3.98	1	3
21245	104379	2	3	2	3	2	2	2	3	1	4	124	155	50	28.0	2	5	4	45.0	11.7	4.27	1	3
21246	104380	2	3	2	3	2	2	1	3	1	4	135	159	45	27.0	2	5	4	43.3	-	-	1	3
21247	104381	3	2	1	7	2	2	1	1	1	4	132	170	55	21.0	2	5	4	28.4	13.7	3.57	1	3
21248	104382	2	3	2	3	2	2	1	3	1	4	136	166	50	22.0	2	5	4	40.8	-	-	1	3
21249	104383	2	3	2	3	2	2	1	3	1	4	141	158	50	29.0	2	5	4	37.0	14.3	3.56	1	3
21250	104384	2	3	2	3	2	2	2	1	-	4	142	166	40	21.0	2	5	4	-	12.1	4.04	2	3
21251	104385	2	3	2	3	2	2	1	1	1	2	125	155	55	29.0	2	5	4	44.4	12.3	4.06	1	3
21252	104386	2	3	2	3	2	2	1	3	1	4	123	155	60	29.0	2	5	4	44.3	12.7	4.01	1	3
21253	104387	2	3	2	3	2	2	1	3	1	4	128	156	50	25.0	2	5	4	39.4	13.7	3.63	1	3
21254	104388	2	3	1	3	2	2	1	3	1	4	128	156	55	29.0	2	5	4	29.1	13.5	3.92	1	5
21255	104389	2	3	2	3	2	2	2	3	1	4	127	167	45	32.0	2	5	4	37.2	14.6	3.69	1	3
21256	104390	3	3	2	3	2	2	2	3	1	4	124	155	50	30.0	2	5	4	44.8	13.6	3.82	1	3
21257	104391	2	3	2	7	2	2	1	3	1	4	128	169	50	26.0	2	5	4	35.3	14.1	3.75	1	3
21258	104392	3	3	2	3	2	2	1	3	1	4	125	155	50	28.0	2	5	4	44.2	13.6	3.89	1	3
21259	104393	2	3	2	3	2	2	1	3	1	4	136	158	50	20.0	2	5	4	44.1	14.0	3.85	1	3
21260	104394	2	3	2	5	2	2	1	1	1	2	124	155	55	28.0	2	5	4	40.0	12.2	3.70	1	5
21261	104395	2	3	2	3	2	2	1	3	1	4	124	155	60	29.0	2	5	4	45.4	12.3	3.98	1	3
21262	104396	2	3	2	3	2	2	1	3	1	4	124	154	50	28.0	2	5	4	34.8	12.4	3.95	1	3
21263	104397	2	3	2	3	2	2	1	3	1	4	123	154	50	31.0	2	5	4	34.7	-	-	1	5
21264	104398	2	2	2	3	2	2	2	3	1	4	142	167	45	30.0	2	5	4	30.2	12.4	4.03	2	3
21265	104399	3	3	2	3	2	2	1	3	1	4	127	155	50	32.0	2	5	4	40.4	13.1	4.04	1	3
21266	104400	2	3	1	3	2	1	1	3	1	-	128	163	55	24.0	2	5	4	25.7	16.4	3.45	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21267	104401	2	3	2	3	2	2	2	3	1	4	128	159	50	30.0	2	5	4	39.5	13.2	3.93	1	3
21268	104402	2	3	2	3	2	2	1	3	1	4	136	158	45	25.0	2	5	4	35.4	13.6	3.65	1	3
21269	104403	2	3	2	3	2	2	1	3	1	4	136	158	45	29.0	2	5	4	33.6	12.3	3.98	1	3
21270	104404	3	2	1	3	1	2	1	3	-	4	135	163	45	14.0	3	5	4	-	9.8	4.28	1	3
21271	104405	2	2	-	5	2	2	1	3	1	4	136	169	50	19.0	-	5	4	30.5	13.9	3.74	1	3
21272	104406	2	3	2	3	2	2	1	3	1	4	128	159	50	27.0	2	5	4	40.3	12.9	3.78	1	3
21273	104407	2	3	2	3	2	2	1	3	1	4	136	163	45	27.0	2	5	4	38.3	13.3	3.90	1	3
21274	104408	3	1	2	5	2	2	2	1	1	4	143	166	35	27.0	2	5	4	32.9	13.3	3.83	1	3
21275	104409	1	3	2	3	2	2	2	3	1	4	136	164	40	26.0	2	5	4	34.4	13.7	3.94	1	3
21276	104410	3	1	2	5	2	2	1	3	1	4	142	167	35	24.0	2	5	4	31.5	12.7	4.01	1	3
21277	104411	1	3	2	3	2	2	1	3	1	4	136	165	45	19.0	2	5	4	35.5	13.6	3.69	2	3
21278	104412	2	2	2	3	2	2	2	3	1	4	136	169	50	30.0	2	5	4	33.5	13.1	3.89	1	3
21279	104413	2	3	2	3	2	2	1	3	1	4	135	167	50	26.0	2	5	4	38.6	14.0	3.71	1	3
21280	104414	2	3	2	3	2	2	1	3	1	4	128	156	50	27.0	2	5	4	36.3	12.9	3.60	1	3
21281	104415	2	2	1	3	2	2	1	9	1	2	139	171	40	17.0	3	5	4	33.0	12.9	3.72	1	3
21282	104416	2	3	2	5	2	2	2	3	1	4	128	162	50	31.0	2	5	4	33.5	11.8	3.98	1	3
21283	104417	2	3	2	5	2	2	2	3	1	4	127	156	55	22.0	2	5	4	37.8	12.6	3.88	1	3
21284	104418	1	3	2	3	2	2	1	3	1	4	136	158	45	27.0	2	5	4	34.6	13.5	3.92	1	3
21285	104419	2	2	2	3	2	2	2	3	1	4	127	167	65	28.0	2	5	4	42.9	13.0	4.00	1	3
21286	104420	2	3	2	3	2	2	2	3	1	4	135	163	45	26.0	2	5	4	36.2	12.8	4.14	1	3
21287	104421	1	3	2	3	2	2	1	3	1	4	132	160	40	27.0	2	5	4	38.9	13.0	3.92	1	3
21288	104422	1	3	2	3	2	2	2	3	1	4	124	156	60	23.0	2	5	4	42.7	14.0	3.85	1	3
21289	104423	2	3	2	5	2	2	2	3	1	4	125	156	55	30.0	2	5	4	45.1	13.0	3.92	1	3
21290	104424	2	3	2	3	2	2	2	3	1	4	127	156	65	18.0	2	5	4	37.7	13.6	3.90	1	5
21291	104425	2	3	2	3	2	2	2	3	1	4	124	155	60	22.0	2	5	4	36.5	14.2	3.87	1	3
21292	104426	2	3	2	3	2	2	2	3	1	4	124	156	50	29.0	2	5	4	37.6	13.9	3.95	1	3
21293	104427	2	3	2	3	2	2	2	3	1	4	125	156	50	19.0	2	5	4	42.1	14.4	3.81	1	3
21294	104428	2	3	1	1	2	1	2	3	1	-	135	163	55	26.0	2	5	4	29.0	14.7	3.54	1	3
21295	104429	2	2	2	3	2	2	1	3	1	4	142	167	50	31.0	2	5	4	31.2	15.1	3.61	1	3
21296	104430	2	2	2	3	2	2	1	3	1	4	141	167	45	32.0	2	5	4	31.7	14.7	3.49	1	3
21297	104431	2	3	2	3	2	2	2	3	1	4	142	167	50	18.0	2	5	4	33.6	14.3	3.57	1	3
21298	104432	2	3	2	3	2	2	2	1	1	4	142	167	50	26.0	2	5	4	32.2	13.9	3.75	1	3
21299	104433	2	3	2	3	2	2	2	3	1	2	136	156	45	23.0	2	5	4	40.3	14.0	3.71	1	3
21300	104434	2	3	2	3	2	2	2	3	1	4	142	167	50	29.0	2	5	4	29.2	14.7	3.51	1	3
21301	104435	2	3	2	3	2	2	1	3	1	4	143	160	50	27.0	2	5	4	46.9	12.9	3.95	1	3
21302	104436	3	1	2	3	2	2	1	1	1	4	135	169	50	31.0	2	5	4	32.6	13.7	3.60	1	3
21303	104437	3	2	2	3	2	2	2	3	1	4	136	167	50	31.0	2	5	4	35.6	14.0	3.65	1	3
21304	104438	2	2	2	5	2	2	2	3	1	4	136	167	50	30.0	2	5	4	35.3	14.4	3.82	1	3
21305	104439	2	2	2	7	2	2	2	3	1	4	136	168	55	26.0	2	5	4	31.5	15.8	3.57	1	3
21306	104440	2	3	2	3	2	2	2	3	1	4	136	162	45	26.0	2	5	4	33.5	12.6	3.88	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	B/A	KWT	PRO	LYS/PRO	TIL	LOD
21307	104441	2	3	2	7	2	2	2	3	-	4	143	168	50	32.0	2	5	4	-	16.4	3.59	1	3
21308	104442	2	2	2	7	2	2	1	3	1	4	136	169	50	30.0	2	5	4	26.3	14.1	3.71	1	3
21309	104443	2	3	2	7	2	2	1	3	1	4	142	167	45	32.0	2	5	4	30.5	12.9	3.87	2	3
21310	104444	1	3	1	3	2	2	2	3	1	4	132	163	50	18.0	2	5	4	31.8	13.8	3.84	1	3
21311	104445	1	3	1	3	2	2	1	1	1	4	136	156	50	26.0	2	5	4	33.0	13.2	3.63	1	3
21312	104446	2	3	2	3	2	2	2	3	1	4	135	163	40	29.0	2	5	4	33.2	12.7	3.93	1	3
21313	104447	2	2	2	3	2	2	2	3	1	4	136	167	45	33.0	2	5	4	33.1	14.0	3.73	1	3
21314	104448	2	2	2	5	2	2	1	1	1	4	142	167	40	24.0	2	5	4	31.5	14.5	3.61	1	3
21315	104449	3	2	2	5	2	2	1	1	1	4	143	167	45	30.0	2	5	4	32.1	12.9	3.79	1	3
21316	104450	3	2	2	5	2	2	2	3	1	4	136	168	40	29.0	2	5	4	32.4	14.1	3.75	1	3
21317	104451	3	2	2	5	2	2	1	3	1	4	136	169	45	21.0	2	5	4	32.7	16.1	3.60	1	3
21318	104452	2	3	1	3	2	2	2	3	1	4	127	156	50	25.0	2	5	4	30.7	13.9	3.81	1	3
21319	104453	2	2	2	5	2	2	2	3	1	4	138	168	50	29.0	2	5	4	29.0	15.9	3.54	1	3
21320	104454	2	3	2	3	2	2	1	3	1	4	128	159	50	28.0	2	5	4	34.0	14.9	3.55	1	3
21321	104455	2	2	2	3	2	2	2	3	1	4	136	170	55	28.0	2	5	4	29.4	14.8	3.57	1	3
21322	104456	2	2	2	5	2	2	1	1	1	4	141	170	50	28.0	2	5	4	30.2	13.9	3.77	1	3
21323	104457	2	1	2	5	2	2	1	1	1	4	136	170	45	29.0	2	5	4	32.2	14.6	3.78	1	3
21324	104458	2	3	2	3	2	2	1	3	1	4	132	159	50	30.0	2	5	4	35.6	14.4	3.76	1	3
21325	104459	2	3	1	1	2	1	1	3	1	-	127	159	60	27.0	2	5	4	29.3	13.9	3.68	1	3
21326	104460	2	3	2	3	2	2	1	3	1	4	135	160	45	30.0	2	5	4	36.8	13.4	3.95	1	3
21327	104461	3	3	2	3	2	2	1	3	1	4	133	159	45	39.0	2	5	4	38.3	15.0	3.68	1	3
21328	104462	2	3	2	5	2	2	2	3	1	4	127	164	60	28.0	2	5	4	37.2	14.6	3.67	1	3
21329	104463	2	3	1	3	2	2	2	3	1	4	125	156	55	26.0	2	5	4	24.0	14.9	3.63	1	3
21330	104464	3	3	1	1	2	1	1	1	1	-	127	156	70	25.0	2	5	4	30.0	12.6	3.96	1	3
21331	104465	2	3	2	3	2	2	1	3	1	4	126	163	55	28.0	2	5	4	36.1	15.3	3.74	1	3
21332	104466	3	3	1	1	2	1	1	1	1	-	127	156	60	27.0	2	5	4	30.7	13.8	3.76	1	3
21333	104467	2	3	2	3	2	2	1	3	1	4	133	160	50	30.0	2	5	4	33.7	15.0	3.73	1	3
21334	104468	2	3	2	3	2	2	2	3	1	4	135	167	45	20.0	2	5	4	35.7	16.0	3.68	2	3
21335	104469	3	3	2	3	2	2	1	3	1	4	123	156	55	31.0	2	5	4	41.5	13.2	3.71	1	3
21336	104470	2	3	2	3	2	2	2	3	1	4	122	156	60	31.0	2	5	4	43.3	13.7	3.86	1	5
21337	104471	2	3	2	3	2	2	2	3	1	2	124	155	60	25.0	2	5	4	40.4	13.0	3.75	1	3
21338	104472	2	3	2	3	2	2	1	3	1	2	123	156	55	30.0	2	5	4	38.4	13.4	3.75	1	5
21339	104473	2	3	2	3	2	2	2	3	1	2	124	156	50	32.0	2	5	4	40.8	13.5	3.72	1	3
21340	104474	2	3	2	3	2	2	2	3	1	4	124	155	55	32.0	2	5	4	37.7	13.2	3.69	1	5
21341	104475	2	3	2	3	2	2	1	3	1	4	123	163	55	34.0	2	5	4	34.7	14.7	3.71	1	3
21342	104476	2	3	2	3	2	2	2	3	1	2	122	155	55	29.0	2	5	4	38.5	13.7	3.71	1	5
21343	104477	2	3	2	3	2	2	1	3	1	4	122	155	55	28.0	2	5	4	38.1	13.3	3.98	1	3
21344	104478	2	3	2	3	2	2	2	3	1	4	122	155	65	27.0	2	5	4	37.0	13.6	3.89	1	3
21345	104479	2	3	2	3	2	2	1	3	1	4	122	155	50	30.0	2	5	4	35.4	14.6	3.68	1	3
21346	104480	2	3	2	3	2	2	1	3	1	2	124	155	50	29.0	2	5	4	36.4	11.7	4.18	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21347	104481	2	3	2	3	2	2	1	3	1	4	123	155	50	30.0	2	5	4	40.6	10.6	4.33	1	3
21348	104482	2	3	2	3	2	2	1	3	1	4	123	155	55	30.0	2	5	4	39.8	12.1	4.13	1	3
21349	104483	3	1	2	5	2	2	2	1	1	4	142	172	45	31.0	2	5	4	30.2	16.0	3.68	1	3
21350	104484	2	3	2	3	2	2	1	3	1	4	125	155	50	28.0	2	5	4	35.4	12.5	4.16	1	3
21351	104485	3	3	2	5	2	2	1	3	-	4	124	155	50	30.0	2	5	4	-	12.5	4.16	1	3
21352	104486	2	3	2	3	2	2	2	3	1	4	123	155	60	30.0	2	5	4	39.4	14.4	3.68	1	3
21353	104487	2	1	2	7	2	2	2	3	1	4	140	169	70	32.0	2	5	4	24.4	16.2	3.67	1	3
21354	104488	3	3	2	3	2	-	2	3	-	-	125	166	60	33.0	2	5	4	-	-	-	1	5
21355	104489	2	3	2	3	2	2	2	3	1	4	123	155	60	30.0	2	5	4	36.8	14.5	3.68	1	3
21356	104490	2	3	2	3	2	2	2	3	1	4	124	164	60	35.0	2	5	4	39.0	15.5	3.71	1	5
21357	104491	2	3	2	3	2	2	2	3	1	4	124	155	50	30.0	2	5	4	39.1	14.0	3.75	1	3
21358	104492	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21359	104493	2	3	2	3	2	2	2	5	1	4	125	159	60	31.0	2	5	4	40.1	14.9	3.72	1	3
21360	104494	2	3	2	3	2	2	2	1	1	4	122	155	50	27.0	2	5	4	35.8	13.7	3.69	1	3
21361	104495	2	3	2	3	2	2	2	1	1	4	125	159	60	27.0	2	5	4	43.8	15.0	3.71	1	5
21362	104496	2	3	2	3	2	2	1	1	1	4	122	155	50	24.0	2	5	4	34.9	15.7	3.69	1	3
21363	104497	3	3	2	3	2	2	2	1	1	4	132	156	50	26.0	2	5	4	39.1	13.5	3.77	1	3
21364	104498	3	3	2	3	2	2	1	1	1	4	135	158	50	23.0	2	5	4	36.6	16.1	3.65	1	3
21365	104499	2	3	2	3	2	2	2	1	1	4	135	159	50	26.0	2	5	4	38.4	15.0	3.71	1	3
21366	104500	3	2	2	3	2	2	2	1	1	4	136	164	45	28.0	2	5	4	32.0	15.0	3.72	1	3
21367	104501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21368	104502	2	3	2	3	2	2	1	1	1	4	124	155	50	25.0	2	5	4	39.0	15.0	3.66	1	3
21369	104503	2	3	2	3	2	2	2	3	1	2	128	156	50	22.0	2	5	4	38.4	16.5	3.50	1	3
21370	104504	2	3	2	3	2	2	2	3	1	4	136	156	50	32.0	2	5	4	37.0	16.6	3.40	1	3
21371	104505	2	3	2	3	2	2	2	3	1	4	128	156	50	25.0	2	5	4	39.5	14.5	3.60	1	3
21372	104506	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21373	104507	3	2	2	3	2	2	2	3	1	4	127	164	45	28.0	2	5	4	36.6	15.1	3.67	1	3
21374	104508	2	3	2	3	2	2	1	3	1	4	124	156	50	30.0	2	5	4	41.7	14.1	3.77	1	3
21375	104509	1	3	2	3	2	2	1	3	1	2	128	156	45	29.0	2	5	4	39.1	15.8	3.60	1	3
21376	104510	2	1	1	-	-	2	1	9	1	2	139	171	60	17.0	3	5	2	29.5	13.0	3.96	1	3
21377	104511	3	1	2	5	2	2	2	1	1	4	142	169	45	30.0	2	5	4	30.9	14.5	3.71	1	3
21378	104512	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21379	104513	2	2	2	7	2	2	2	1	1	4	136	169	50	31.0	2	5	4	32.7	16.2	3.54	2	3
21380	104514	3	1	1	-	2	2	1	1	1	2	149	175	55	-	2	-	4	27.1	16.9	3.53	-	3
21381	104515	3	3	2	1	2	2	2	3	1	4	123	155	55	29.0	2	5	4	38.1	13.3	3.92	1	3
21382	104516	3	3	2	1	2	2	1	3	1	2	124	155	55	29.0	2	5	4	39.2	12.2	4.07	1	3
21383	104517	3	1	2	7	2	2	2	1	1	4	142	168	45	29.0	2	5	4	31.2	15.9	3.61	2	3
21384	104518	2	1	2	5	2	2	2	1	1	4	141	169	45	30.0	2	5	4	33.1	15.6	3.64	1	3
21385	104519	2	3	2	3	2	2	1	1	1	2	123	155	55	31.0	2	5	4	42.6	13.8	3.71	1	3
21386	104520	3	3	2	3	2	2	1	3	1	4	124	155	50	33.0	2	5	4	42.6	13.2	3.87	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21387	104521	2	3	2	3	2	2	2	3	1	2	124	155	50	23.0	2	5	4	42.0	13.8	3.66	1	3
21388	104522	2	3	2	3	2	2	2	3	1	4	136	169	55	29.0	2	5	4	39.1	15.8	3.58	1	3
21389	104523	2	3	2	5	2	2	1	3	1	4	143	169	50	29.0	2	5	4	32.0	15.8	3.56	1	3
21390	104524	3	1	1	3	2	2	2	1	1	1	145	175	55	23.0	2	5	4	22.3	15.8	3.60	1	3
21391	104525	2	2	2	3	2	2	2	1	1	4	140	170	50	30.0	2	5	4	30.5	17.8	3.37	1	3
21392	104526	1	3	2	5	2	2	1	3	1	4	142	167	60	29.0	2	5	4	27.6	17.0	3.47	1	3
21393	104527	3	1	1	3	2	2	1	1	1	1	140	171	55	25.0	2	5	4	24.2	14.5	3.72	1	3
21394	104528	2	3	2	3	2	2	2	3	1	4	136	166	60	34.0	2	5	4	35.2	14.8	3.77	1	5
21395	104529	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21396	104530	2	3	2	5	2	2	1	1	1	4	143	170	50	27.0	2	5	4	30.5	18.6	3.39	1	3
21397	104531	2	3	2	3	2	2	1	3	1	4	142	168	50	26.0	2	5	4	35.1	15.7	3.53	1	3
21398	104532	2	3	2	3	2	2	1	1	1	4	141	167	55	21.0	2	5	4	35.7	16.4	3.55	1	3
21399	104533	2	3	2	5	2	2	1	3	1	4	136	167	60	31.0	2	5	4	38.4	14.9	3.70	1	3
21400	104534	2	3	2	3	2	2	1	3	1	4	141	169	55	26.0	2	5	4	31.4	-	-	1	3
21404	104535	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.0	3.56	-	-
21402	104536	2	3	2	7	2	2	2	3	1	4	142	168	55	28.0	2	5	4	36.7	17.3	3.42	1	5
21403	104537	2	3	2	3	2	2	2	3	1	4	140	168	60	28.0	2	5	4	33.5	17.2	3.48	1	3
21404	104538	2	3	2	5	2	2	1	3	1	4	141	169	60	31.0	2	5	4	30.9	15.8	3.57	1	3
21405	104539	3	3	2	5	2	2	1	3	1	4	136	168	60	24.0	1	5	4	30.8	16.6	3.54	1	3
21406	104540	2	3	2	7	2	2	2	3	1	4	142	169	45	25.0	1	5	4	32.8	18.2	3.40	1	3
21407	104541	2	3	2	7	2	2	1	3	1	4	143	169	50	27.0	1	5	4	34.6	17.3	3.43	1	3
21408	104542	2	3	2	7	2	2	2	3	1	4	144	168	60	24.0	1	5	4	40.0	19.4	3.27	1	3
21409	104543	2	3	2	7	2	2	1	3	1	4	136	169	70	29.0	1	4	4	39.5	19.0	3.33	1	3
21410	104544	2	2	2	5	2	2	2	3	1	4	139	169	55	25.0	1	5	4	33.4	18.3	3.42	1	3
21411	104545	3	3	2	5	2	2	1	3	1	4	141	169	50	27.0	1	5	4	35.6	17.8	3.44	1	3
21412	104546	2	2	2	3	2	2	1	3	1	4	141	168	50	25.0	1	5	4	30.6	15.4	3.66	1	3
21413	104547	3	2	2	5	2	2	2	3	1	4	142	167	40	31.0	1	5	4	31.7	16.7	3.59	1	3
21414	104548	2	1	1	5	2	2	1	3	1	4	140	169	50	24.0	2	5	4	22.1	16.5	3.68	1	3
21415	104549	2	2	2	5	2	2	1	3	1	4	142	169	50	29.0	1	5	4	31.2	17.2	3.54	1	3
21416	104550	2	3	2	3	2	2	1	3	1	4	142	168	50	24.0	1	5	4	34.6	18.7	3.35	1	3
21417	104551	3	2	2	3	2	2	2	3	1	4	142	168	50	26.0	1	5	4	32.0	18.9	3.39	1	3
21418	104552	2	2	2	3	2	2	2	3	1	4	142	168	50	29.0	1	5	4	26.9	16.6	3.60	1	3
21419	104553	2	3	2	3	2	2	2	3	1	4	142	167	50	25.0	1	5	4	33.0	16.4	3.53	1	3
21420	104554	2	3	2	5	2	2	2	3	1	4	141	169	50	33.0	1	5	4	32.1	16.4	3.57	1	3
21421	104555	2	3	2	3	2	2	2	3	1	4	140	168	50	25.0	1	5	4	35.1	16.3	3.56	1	3
21422	104556	3	3	2	7	2	2	2	3	1	4	141	168	60	29.0	1	5	4	32.3	15.8	3.54	1	3
21423	104557	2	3	2	3	2	2	2	3	1	4	136	167	65	25.0	2	5	4	41.0	14.8	3.62	1	3
21424	104558	2	3	2	5	2	2	2	3	1	4	139	167	60	33.0	1	5	4	31.8	15.8	3.68	1	3
21425	104559	2	1	2	5	2	2	1	3	1	4	147	169	65	25.0	1	5	-	15.6	16.8	3.55	1	3
21426	104560	1	3	2	5	2	2	2	3	1	4	141	167	45	32.0	2	5	4	36.0	15.8	3.57	1	3

IG	ECB	GHA	GCL	RNO	ACO	ARG	KCV	REL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21427	104561	2	3	2	5	2	2	2	1	1	4	136	169	55	31.0	2	5	4	33.7	16.8	3.50	1	3
21428	104562	2	3	2	3	2	2	1	3	1	4	136	168	75	36.0	2	5	4	35.6	16.6	3.58	1	3
21429	104563	2	3	2	5	2	2	1	3	1	4	136	168	60	39.0	2	5	4	28.4	18.0	3.41	1	3
21430	104564	2	3	2	5	2	2	1	3	1	4	136	168	65	-	2	5	4	37.6	16.4	3.48	1	3
21431	104565	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21432	104566	3	2	1	3	2	2	1	3	1	4	138	167	60	25.0	2	5	4	19.2	17.4	3.54	1	3
21433	104567	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21434	104568	1	3	2	5	2	2	1	3	1	4	136	168	60	48.0	2	5	4	43.0	17.1	3.52	1	3
21435	104569	3	2	2	5	2	2	2	3	1	4	141	168	55	34.0	1	5	4	29.9	15.9	3.61	1	3
21436	104570	3	2	2	3	2	2	2	3	1	4	142	168	50	31.0	1	5	4	28.7	16.7	3.49	1	3
21437	104571	3	2	2	3	2	2	2	3	1	4	142	167	50	28.0	1	5	4	35.3	17.0	3.47	1	3
21438	104572	3	2	2	5	2	2	2	3	1	4	144	168	50	24.0	2	5	4	28.2	17.6	3.50	1	3
21439	104573	3	2	2	3	2	2	2	3	1	4	142	169	55	31.0	2	5	4	32.4	16.9	3.52	1	3
21440	104574	3	3	2	3	2	2	2	1	1	4	143	168	50	29.0	2	5	4	34.3	18.6	3.37	1	3
21441	104575	3	3	2	3	2	2	2	3	1	4	142	168	50	30.0	2	5	4	35.2	20.0	3.32	1	3
21442	104576	1	3	2	5	2	2	1	3	1	4	136	167	55	30.0	2	5	4	33.8	15.3	3.61	1	3
21443	104577	2	3	2	5	2	2	1	3	1	4	142	167	55	25.0	1	5	4	34.9	18.0	3.45	1	3
21444	104578	2	2	2	5	2	2	1	3	1	4	136	167	55	31.0	1	5	4	26.0	14.3	3.73	1	3
21445	104579	2	3	2	5	2	2	2	3	1	4	136	167	60	32.0	1	5	4	35.0	18.0	3.43	1	3
21446	104580	2	3	2	7	2	2	2	1	1	4	136	168	60	36.0	1	5	4	30.9	17.3	3.41	1	3
21447	104581	2	3	2	5	2	2	1	1	1	4	140	169	60	38.0	1	5	4	28.4	14.7	3.68	1	3
21448	104582	2	3	2	7	2	2	2	3	1	4	136	168	60	28.0	2	5	4	36.5	16.0	3.55	1	3
21449	104583	2	3	2	5	2	2	2	1	1	4	142	168	55	29.0	2	5	4	32.7	16.6	3.60	1	3
21450	104584	2	3	2	3	2	2	2	1	1	4	136	168	60	33.0	2	5	4	35.9	19.1	3.33	1	3
21451	104585	2	2	2	7	2	2	2	1	1	4	142	170	65	33.0	2	5	4	32.5	15.7	3.60	1	3
21452	104586	2	3	2	5	2	2	2	1	1	4	136	167	60	39.0	2	5	4	40.5	16.2	3.45	1	3
21453	104587	2	2	2	7	2	2	2	3	1	4	138	169	65	35.0	2	5	4	31.9	15.3	3.67	1	3
21454	104588	2	2	3	3	2	2	1	1	1	4	140	169	65	22.0	2	5	4	24.8	16.5	3.58	1	3
21455	104589	3	3	2	5	2	2	1	1	1	4	136	167	65	29.0	2	5	4	34.1	16.8	3.49	1	3
21456	104590	2	3	2	7	2	2	1	3	1	4	136	167	55	29.0	2	5	4	33.4	18.3	3.30	1	3
21457	104591	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21458	104592	2	2	1	5	2	2	1	1	1	4	136	167	60	22.0	2	5	4	28.2	16.0	3.65	1	3
21459	104593	3	2	2	5	2	2	2	1	1	4	136	169	70	34.0	2	5	4	32.0	16.8	3.48	1	5
21460	104594	3	3	2	5	2	2	2	1	1	4	143	168	55	28.0	2	5	4	38.5	18.0	3.32	1	5
21461	104595	2	3	2	5	2	2	1	3	1	4	142	158	50	31.0	2	5	4	40.9	15.8	3.34	1	3
21462	104596	3	2	2	5	2	2	2	3	1	4	140	168	50	22.0	2	5	4	30.3	18.3	3.42	1	3
21463	104597	3	1	3	5	2	2	1	3	1	4	142	169	60	22.0	2	5	4	17.2	18.1	3.51	1	3
21464	104598	1	3	3	7	2	2	2	7	2	3	118	150	60	27.0	1	5	4	43.2	14.4	3.65	1	5
21465	104599	2	3	2	5	2	2	1	3	1	4	136	168	50	32.0	2	5	4	36.5	18.0	3.37	1	3
21466	104600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21467	104601	3	2	2	5	2	2	1	3	1	4	142	168	60	29.0	1	5	4	36.5	16.3	3.65	1	3
21468	104602	2	2	2	3	2	2	2	3	1	4	141	168	60	39.0	1	5	4	33.3	17.5	3.44	1	3
21469	104603	2	2	2	3	2	2	2	3	1	4	141	168	60	32.0	1	5	4	29.3	16.9	3.40	1	3
21470	104604	2	2	2	3	2	2	2	3	1	4	140	169	50	29.0	1	5	4	29.2	18.1	3.39	1	3
21471	104605	2	2	2	7	2	2	1	3	1	4	142	168	45	38.0	1	5	4	26.8	19.3	3.40	1	3
21472	104606	2	2	2	3	2	2	1	3	1	4	142	168	50	26.0	1	5	4	34.8	18.3	3.38	1	3
21473	104607	2	1	2	5	2	2	1	3	1	4	143	169	60	33.0	2	5	4	27.2	16.4	3.47	1	3
21474	104608	2	2	2	5	2	2	1	3	1	4	142	169	50	31.0	1	5	4	31.4	17.2	3.46	1	3
21475	104609	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21476	104610	2	2	2	5	2	2	1	3	1	4	142	170	70	27.0	1	5	4	31.9	17.4	3.51	1	3
21477	104611	3	2	2	5	2	2	1	3	1	4	142	169	50	28.0	1	5	4	31.1	17.3	3.54	1	3
21478	104612	2	3	2	3	2	2	1	3	1	4	140	169	60	35.0	2	5	4	38.4	16.7	3.55	1	3
21479	104613	3	3	2	5	2	2	1	3	1	4	136	168	55	30.0	2	5	4	40.2	16.2	3.59	1	3
21480	104614	2	3	2	3	2	2	1	3	1	2	136	169	50	25.0	2	5	4	40.8	14.9	3.68	1	3
21481	104615	2	2	1	3	2	1	1	3	1	-	135	169	70	26.0	2	5	4	23.9	17.6	3.40	1	3
21482	104616	2	3	2	5	2	2	1	3	1	4	135	168	50	29.0	2	5	4	32.3	16.4	3.53	1	3
21483	104617	3	1	2	5	2	2	2	3	1	4	164	180	50	30.0	2	5	4	28.9	18.5	3.42	1	3
21484	104618	2	3	2	5	2	2	2	3	1	4	136	166	50	38.0	2	5	4	34.8	15.4	3.63	1	3
21485	104619	1	3	2	5	2	2	1	3	1	4	136	169	60	-	3	5	4	41.3	15.7	3.59	1	3
21486	104620	2	1	1	5	2	2	1	3	1	4	147	171	70	22.0	2	5	4	14.6	20.4	3.26	1	3
21487	104621	2	3	2	5	2	2	2	3	1	4	136	169	40	22.0	2	5	4	35.5	16.9	3.61	1	3
21488	104622	2	3	2	3	2	2	1	3	1	4	142	166	55	35.0	1	5	4	33.5	18.4	3.38	1	3
21489	104623	2	1	3	5	2	2	1	3	1	4	164	179	55	25.0	1	5	4	25.5	19.0	3.27	1	3
21490	104624	2	2	2	5	2	2	1	3	1	-	142	169	60	27.0	1	5	4	30.6	16.9	3.39	1	3
21491	104625	2	2	1	3	2	1	2	1	1	-	136	168	60	24.0	2	5	4	20.4	17.9	3.38	1	3
21492	104626	2	3	2	5	2	2	1	3	1	4	142	167	50	33.0	1	5	4	33.6	17.0	3.52	1	3
21493	104627	2	3	2	5	2	2	1	3	1	4	142	167	50	27.0	1	5	4	32.2	17.1	3.51	1	3
21494	104628	2	3	2	7	2	2	2	3	1	4	141	166	50	23.0	1	5	4	27.4	17.0	3.51	1	3
21495	104629	2	3	2	7	2	2	1	3	1	4	143	166	50	33.0	2	5	4	33.5	17.2	3.52	1	3
21496	104630	2	3	2	5	2	2	1	3	1	4	143	166	50	30.0	1	5	4	35.6	16.3	3.43	2	3
21497	104631	2	3	2	5	2	2	2	3	1	4	136	166	55	34.0	2	5	4	35.2	15.6	3.54	1	3
21498	104632	2	3	2	5	2	2	2	3	1	4	136	164	55	40.0	2	5	4	36.2	16.6	3.47	1	3
21499	104633	3	3	2	5	2	2	2	3	1	4	141	164	50	35.0	1	5	4	33.3	17.0	3.44	1	3
21500	104634	3	3	2	3	2	2	2	3	1	4	143	164	50	26.0	2	5	4	37.7	16.6	3.47	1	3
21501	104635	2	3	2	3	2	2	2	3	1	4	142	164	50	35.0	1	5	4	38.1	16.5	3.46	1	3
21502	104636	2	3	2	7	2	2	2	3	1	4	143	164	50	27.0	2	5	4	37.1	17.9	3.46	1	3
21503	104637	2	3	2	5	2	2	1	3	1	4	136	169	50	33.0	2	5	4	34.0	16.7	3.58	1	3
21504	104638	2	3	2	5	2	2	1	3	1	4	131	166	70	30.0	2	5	4	37.9	14.0	3.55	1	3
21505	104639	2	3	2	5	2	2	2	3	1	4	132	164	60	36.0	2	5	4	38.6	14.0	3.51	1	3
21506	104640	2	3	2	3	2	2	2	3	1	4	142	167	50	23.0	2	5	4	31.9	14.4	3.62	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PPV	LYS/PRO	TIL	LOD
21507	104641	2	3	2	5	2	2	2	3	1	4	130	156	50	35.0	2	5	4	40.5	15.5	3.34	1	3
21508	104642	2	3	2	5	2	2	1	3	1	4	132	159	50	26.0	2	5	4	39.7	14.7	3.59	1	3
21509	104643	2	3	2	5	2	2	1	3	1	4	132	164	60	32.0	2	5	4	41.4	14.9	3.56	1	3
21510	104644	2	3	2	5	2	2	1	3	1	4	125	155	50	30.0	2	5	4	36.1	15.9	3.50	1	3
21511	104645	2	3	2	5	2	2	1	3	1	4	127	159	50	27.0	2	5	4	40.6	14.4	3.65	1	3
21512	104646	2	2	1	3	2	2	2	3	1	2	135	167	45	27.0	2	5	4	38.7	12.9	3.91	1	3
21513	104647	2	3	2	-	2	2	1	3	1	4	142	167	50	33.0	2	5	4	35.2	16.3	3.53	1	3
21514	104648	2	3	2	5	2	2	1	3	1	4	131	164	60	33.0	2	5	4	42.0	15.1	3.46	1	3
21515	104649	2	3	2	5	2	2	1	3	1	4	135	167	60	33.0	2	5	4	39.7	14.9	3.58	1	3
21516	104650	2	3	2	3	2	2	1	-	1	4	127	156	60	26.0	2	5	4	43.0	14.8	3.58	1	3
21517	104651	2	3	2	5	2	2	2	3	1	4	128	155	50	29.0	2	5	4	43.2	15.4	3.43	1	3
21518	104652	2	3	2	5	2	2	2	3	1	4	124	156	55	33.0	2	5	4	38.1	14.0	3.58	1	3
21519	104653	2	2	2	5	2	2	1	-	1	4	133	164	50	30.0	2	5	4	39.6	15.0	3.52	1	3
21520	104654	2	3	2	5	2	2	1	-	1	4	128	156	60	28.0	2	5	4	41.2	14.1	3.52	1	3
21521	104655	2	3	2	5	2	2	1	-	1	4	131	164	50	35.0	2	5	4	35.4	14.1	3.51	1	3
21522	104656	2	3	2	5	2	2	2	3	1	4	125	156	60	30.0	2	5	4	42.4	15.0	3.40	1	3
21523	104657	2	3	2	5	2	2	2	3	1	4	127	158	55	31.0	2	5	4	40.4	15.5	3.49	1	3
21524	104658	2	3	2	5	2	2	2	3	1	4	125	156	60	32.0	2	5	4	42.5	14.7	3.52	1	3
21525	104659	2	3	2	3	2	2	2	3	1	4	125	156	60	33.0	2	5	4	39.0	14.5	3.66	1	3
21526	104660	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21527	104661	2	3	2	5	2	2	1	3	1	4	124	156	55	35.0	2	5	4	41.2	13.7	3.70	1	3
21528	104662	2	3	2	5	2	2	2	3	1	4	123	155	70	30.0	2	5	4	42.2	14.0	3.67	1	3
21529	104663	2	2	2	3	2	2	2	3	1	4	127	167	70	37.0	2	5	4	38.8	16.2	3.50	1	3
21530	104664	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21531	104665	2	2	2	3	2	2	2	-	1	2	136	167	50	30.0	2	5	4	41.5	15.2	3.56	1	3
21532	104666	2	3	2	5	2	2	2	3	1	4	128	157	55	37.0	2	5	4	39.9	16.6	3.40	1	3
21533	104667	2	2	2	3	2	2	1	3	1	4	128	167	60	28.0	2	5	4	38.3	15.0	3.54	1	3
21534	104668	2	3	2	3	2	2	2	3	1	4	128	164	60	29.0	2	5	4	43.7	16.0	3.50	1	3
21535	104669	2	3	2	3	2	2	1	3	1	4	136	166	50	27.0	2	5	4	40.5	16.6	3.48	1	3
21536	104670	2	3	2	3	2	2	2	3	1	4	136	164	50	27.0	2	5	4	40.3	17.6	3.31	1	3
21537	104671	2	3	2	3	2	2	1	3	1	4	136	169	65	24.0	2	5	4	42.5	16.7	3.60	1	3
21538	104672	3	3	2	3	2	2	1	3	1	4	140	166	55	27.0	2	5	4	35.3	16.7	3.51	1	3
21539	104673	2	3	2	7	2	2	2	3	1	4	151	166	50	-	2	5	4	36.2	16.9	3.48	1	3
21540	104674	2	3	2	7	2	2	1	3	1	4	151	165	55	-	2	5	4	34.6	-	-	1	3
21541	104675	2	3	2	7	2	2	2	3	1	4	143	166	50	27.0	2	5	4	28.3	17.9	3.40	1	3
21542	104676	2	2	-	5	-	1	1	-	1	-	-	-	-	-	-	5	-	20.3	18.4	3.42	1	-
21543	104677	2	3	2	5	2	2	2	3	1	4	143	164	60	25.0	2	5	4	38.8	16.9	3.40	1	3
21544	104678	2	3	2	5	2	2	1	3	1	4	141	166	50	34.0	2	5	4	34.0	15.5	3.52	1	3
21545	104679	2	3	2	5	2	2	2	3	1	4	136	167	60	25.0	2	5	4	34.5	14.9	3.56	1	3
21546	104680	2	3	2	5	2	2	1	3	1	4	136	162	50	33.0	2	5	4	41.8	15.8	3.55	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21547	104681	2	3	2	5	2	2	2	3	1	2	136	167	50	24.0	2	5	4	37.1	17.1	3.37	1	3
21548	104682	2	3	2	3	2	2	2	3	1	2	136	164	50	29.0	2	5	4	43.2	14.2	3.50	1	3
21549	104683	2	3	2	3	2	2	1	3	1	4	136	163	50	23.0	2	5	4	38.1	16.7	3.35	1	3
21550	104684	2	3	2	3	2	2	1	3	1	4	136	164	50	19.0	2	5	4	38.2	16.6	3.41	1	3
21551	104685	2	3	2	5	2	2	1	3	1	4	135	164	55	30.0	2	5	4	41.7	17.2	3.35	1	3
21552	104686	2	3	2	5	2	2	2	3	1	2	136	165	50	22.0	2	5	4	37.9	16.7	3.44	1	3
21553	104687	2	3	2	5	2	2	1	3	1	4	136	169	60	29.0	2	5	4	39.7	15.4	3.52	1	3
21554	104688	2	3	2	5	2	2	1	-	1	4	134	157	60	32.0	2	5	4	41.1	14.2	3.62	1	3
21555	104689	2	3	2	5	2	2	1	3	1	2	136	164	50	25.0	2	5	4	37.1	15.6	3.44	1	3
21556	104690	2	3	2	5	2	2	2	3	1	4	128	157	50	35.0	2	5	4	43.1	14.2	3.52	1	3
21557	104691	3	3	1	3	2	2	1	3	1	4	121	156	55	23.0	3	5	4	32.6	13.1	3.51	1	3
21558	104692	3	3	1	3	2	2	1	5	1	4	133	164	50	19.0	3	5	4	42.6	11.8	3.90	1	3
21559	104693	3	3	1	7	2	2	2	5	1	4	133	167	60	24.0	3	5	4	41.4	12.7	3.77	1	3
21560	104694	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	38.6	16.3	3.56	-	-
21561	104695	1	3	2	7	2	2	2	3	1	4	142	166	50	28.0	2	5	4	36.7	18.7	3.26	2	3
21562	104696	2	3	2	7	2	2	2	9	1	4	136	167	50	32.0	2	5	4	35.5	16.1	3.45	1	3
21563	104697	1	3	2	5	2	2	2	3	1	2	136	166	60	31.0	2	5	4	40.1	17.8	3.36	1	3
21564	104698	2	3	2	5	2	2	2	-	1	2	136	166	60	29.0	2	5	4	36.0	16.2	3.51	1	3
21565	104699	2	3	2	5	2	2	2	3	-	2	131	166	65	32.0	2	5	4	-	-	-	1	3
21566	104700	2	3	2	5	2	2	1	3	1	4	136	166	50	27.0	2	5	4	38.6	18.2	3.32	1	3
21567	104701	2	3	1	3	2	2	1	3	1	4	134	167	60	22.0	2	5	4	28.8	16.5	3.55	1	3
21568	104702	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.0	3.39	-	-
21569	104703	1	3	2	3	2	2	2	3	1	2	132	165	50	31.0	2	5	4	39.2	-	-	1	3
21570	104704	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21571	104705	2	3	2	3	2	2	1	3	1	4	128	157	55	31.0	2	5	4	43.8	12.9	3.64	1	3
21572	104706	2	3	2	5	2	2	1	3	1	4	127	157	55	30.0	2	5	4	45.0	13.2	3.64	1	3
21573	104707	3	2	2	3	2	2	2	-	1	4	139	167	50	31.0	2	5	4	31.7	14.7	3.67	1	3
21574	104708	2	3	2	5	2	2	1	3	1	4	128	157	50	32.0	2	5	4	42.3	14.8	3.57	1	3
21575	104709	1	3	2	3	2	2	1	3	1	4	133	159	50	22.0	2	5	4	41.5	15.3	3.44	1	3
21576	104710	1	3	2	3	2	2	2	3	1	4	132	165	60	31.0	2	5	4	42.6	15.7	3.51	1	3
21577	104711	2	3	2	5	2	2	1	3	1	4	127	156	50	29.0	2	5	4	40.5	13.2	3.58	1	3
21578	104712	2	3	2	5	2	2	1	3	1	4	124	155	65	22.0	2	5	4	45.0	13.1	3.81	1	3
21579	104713	2	3	2	5	2	2	2	3	1	4	127	165	80	31.0	2	5	4	40.4	14.5	3.52	1	3
21580	104714	1	3	2	7	2	2	2	3	1	4	135	166	65	31.0	2	5	4	38.6	16.3	3.47	1	3
21581	104715	1	3	2	7	2	2	2	3	1	4	142	169	55	27.0	2	5	4	34.7	17.6	3.47	1	3
21582	104716	2	2	1	7	2	2	2	3	1	4	142	170	55	21.0	2	5	4	21.0	16.6	3.46	1	3
21583	104717	2	3	2	5	2	2	1	3	1	4	127	165	60	29.0	2	5	4	43.3	16.5	3.49	1	3
21584	104718	1	3	2	3	2	2	2	3	1	4	136	164	50	33.0	2	5	4	43.1	15.2	3.27	1	3
21585	104719	2	3	2	5	2	2	2	3	1	4	140	167	50	29.0	2	5	4	35.2	16.3	3.39	1	3
21586	104720	1	3	2	3	2	2	2	3	1	4	143	166	50	24.0	2	5	4	36.4	16.2	3.34	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21587	104721	2	3	2	3	2	2	1	3	1	4	128	167	55	32.0	2	5	4	35.4	16.3	3.33	1	3
21588	104722	2	3	2	3	2	2	1	3	1	2	135	167	50	26.0	2	5	4	39.6	17.0	3.33	1	3
21589	104723	2	3	1	3	2	2	2	3	1	4	123	155	60	31.0	2	5	4	31.4	13.8	3.68	2	3
21590	104724	2	3	2	5	2	2	2	-	1	4	142	167	70	31.0	2	5	4	32.6	17.6	3.29	1	3
21591	104725	2	3	2	3	2	2	1	3	1	4	136	164	50	23.0	2	5	4	36.1	18.6	3.25	1	3
21592	104726	2	3	1	3	2	2	1	3	1	4	127	156	60	28.0	2	5	4	31.0	13.5	3.64	1	3
21593	104727	2	3	2	7	2	2	1	3	1	4	136	169	60	34.0	2	5	4	39.8	15.7	3.51	1	3
21594	104728	2	3	2	3	2	2	2	3	1	4	142	169	50	25.0	2	5	4	35.8	15.9	3.32	1	3
21595	104729	3	2	2	7	2	2	1	3	1	4	142	169	60	29.0	2	5	4	28.2	17.1	3.38	1	3
21596	104730	3	2	2	7	2	2	2	3	1	4	141	170	60	26.0	2	5	4	31.0	15.1	3.53	1	3
21597	104731	3	1	1	-	2	2	1	3	1	1	151	173	55	-	2	-	4	17.9	15.1	3.65	-	3
21598	104732	2	3	2	3	2	2	1	3	1	4	128	157	60	28.0	2	5	4	42.0	15.0	3.48	1	3
21599	104733	2	3	2	7	2	2	2	3	1	4	138	168	50	22.0	2	5	4	31.2	14.1	3.73	1	3
21600	104734	3	1	1	-	2	2	1	3	1	1	150	178	50	-	2	-	4	20.2	15.9	3.50	-	3
21601	104735	2	2	2	5	2	2	2	3	1	4	140	170	60	27.0	2	5	4	31.0	16.2	3.50	1	3
21602	104736	2	3	2	3	2	2	2	3	1	4	124	156	75	29.0	2	5	4	43.2	14.7	3.55	1	3
21603	104737	3	2	2	7	2	2	1	3	1	4	135	170	75	31.0	2	5	4	36.3	16.8	3.38	1	3
21604	104738	3	3	2	7	2	2	2	3	1	2	128	160	60	29.0	2	5	4	37.6	14.8	3.36	1	3
21605	104739	3	3	2	5	2	2	1	3	1	4	125	156	55	28.0	2	5	4	40.9	12.7	3.64	1	3
21606	104740	2	3	2	5	2	2	1	-	1	4	127	167	60	25.0	2	5	4	36.2	14.7	3.56	1	3
21607	104741	2	3	2	5	2	2	1	3	1	2	125	166	60	31.0	2	5	4	36.2	14.1	3.55	1	3
21608	104742	3	2	2	1	2	2	2	3	1	4	140	170	65	25.0	2	5	4	32.5	15.4	3.49	1	3
21609	104743	3	2	2	1	2	2	1	3	1	4	140	170	60	31.0	2	5	4	30.3	18.0	3.33	1	3
21610	104744	2	3	2	5	2	2	2	-	1	4	136	167	50	29.0	2	5	4	34.3	15.2	3.59	1	3
21611	104745	2	3	2	3	2	2	1	3	1	4	136	167	50	28.0	2	5	4	40.6	17.2	3.30	1	3
21612	104746	3	3	2	3	2	2	2	3	1	4	139	168	50	32.0	2	5	4	34.0	17.8	3.43	1	3
21613	104747	2	3	2	7	2	2	2	3	1	4	141	168	50	31.0	2	5	4	38.1	18.5	3.24	1	3
21614	104748	3	3	2	3	2	2	2	3	1	4	142	168	50	35.0	1	5	4	33.8	16.2	3.59	1	3
21615	104749	2	3	2	3	2	2	2	3	1	4	143	163	50	33.0	2	5	4	44.5	18.1	3.24	1	3
21616	104750	2	3	2	7	2	2	2	-	1	2	136	168	50	33.0	2	5	4	32.5	15.9	3.54	1	3
21617	104751	2	2	2	7	2	2	2	-	1	2	137	168	60	22.0	2	5	4	35.7	15.1	3.41	1	3
21618	104752	2	3	2	7	2	2	2	3	1	4	139	167	75	38.0	2	5	4	36.7	14.5	3.54	1	3
21619	104753	3	3	2	5	2	2	2	3	1	4	136	167	50	30.0	2	5	4	36.4	14.5	3.48	1	3
21620	104754	2	2	2	7	2	2	2	-	1	2	136	167	55	23.0	2	5	4	32.2	13.9	3.48	1	3
21621	104755	3	3	2	3	2	2	1	3	1	4	136	164	55	26.0	2	5	4	38.5	15.0	3.47	1	3
21622	104756	2	3	2	3	2	2	2	3	1	4	128	159	60	30.0	2	5	4	41.8	14.4	3.63	1	3
21623	104757	2	3	2	5	2	2	1	3	1	4	124	155	60	29.0	2	5	4	42.6	13.7	3.56	1	3
21624	104758	3	3	2	7	2	2	1	3	1	4	142	170	75	30.0	2	5	4	36.7	15.4	3.63	1	3
21625	104759	2	3	2	3	2	2	1	3	1	4	136	169	60	29.0	2	5	4	36.5	14.3	3.63	1	3
21626	104760	2	2	2	3	2	2	1	3	1	4	-	171	70	25.0	2	5	4	33.0	16.5	3.34	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21627	104761	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21628	104762	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21629	104763	2	2	2	7	2	2	1	3	1	4	141	171	90	34.0	2	5	4	34.1	14.7	3.59	1	3
21630	104764	2	2	1	3	2	1	1	-	1	-	141	170	85	29.0	2	5	4	21.3	17.9	3.33	1	3
21631	104765	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21632	104766	2	3	2	5	2	2	1	3	1	2	135	164	55	35.0	2	5	4	39.4	15.7	3.34	1	3
21633	104767	2	3	2	3	2	2	2	3	1	2	136	163	55	29.0	2	5	4	45.2	15.3	3.52	1	3
21634	104768	2	3	1	3	2	1	1	-	1	-	134	167	70	29.0	2	5	4	26.6	15.7	3.43	1	3
21635	104769	2	3	2	3	2	2	1	-	1	2	128	167	60	27.0	2	5	4	42.9	14.5	3.60	1	3
21636	104770	3	3	2	5	2	2	2	-	1	2	142	167	50	27.0	2	5	4	38.5	15.3	3.44	1	3
21637	104771	3	3	2	3	2	2	2	3	1	4	144	166	50	26.0	2	5	4	39.5	19.4	3.15	1	3
21638	104772	2	3	2	7	2	2	1	3	1	4	135	167	65	25.0	2	5	4	40.7	17.7	3.39	1	3
21639	104773	3	3	2	7	2	2	1	3	1	4	141	168	65	29.0	2	5	4	34.1	16.3	3.43	1	3
21640	104774	2	3	2	3	2	2	2	3	1	4	142	166	50	37.0	2	5	4	36.1	14.1	3.51	1	3
21641	104775	2	3	2	7	2	2	2	3	1	4	140	167	55	36.0	3	5	4	40.2	15.9	3.60	1	3
21642	104776	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21643	104777	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21644	104778	3	3	1	-	-	2	1	-	1	2	127	164	65	22.0	3	5	1	32.1	14.2	3.73	1	5
21645	104779	3	3	1	-	-	2	2	7	2	3	120	154	80	20.0	3	5	3	39.6	13.6	3.63	1	5
21646	104780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21647	104781	2	3	2	3	2	2	2	3	1	4	130	150	50	29.0	2	5	4	41.8	15.2	3.49	1	3
21648	104782	2	2	2	7	2	2	2	-	1	2	131	167	60	31.0	2	5	4	35.8	12.7	3.72	1	3
21649	104783	3	2	2	3	2	2	1	3	1	4	135	170	60	36.0	2	5	4	40.2	12.9	3.81	1	3
21650	104784	3	2	2	3	2	2	2	3	1	4	136	167	60	22.0	2	5	4	42.1	14.8	3.38	1	3
21651	104785	2	3	2	1	2	1	1	-	1	-	131	167	70	32.0	2	5	4	39.4	16.1	3.28	1	3
21652	104786	3	1	1	5	2	2	1	3	1	1	164	177	60	-	2	5	4	24.4	16.0	3.48	1	3
21653	104787	2	3	1	5	2	2	1	3	1	4	135	179	70	-	2	5	4	25.6	17.1	3.51	1	3
21654	104788	2	2	-	5	2	2	1	3	1	4	142	172	60	-	-	5	4	38.0	16.6	3.42	1	3
21655	104789	3	2	1	5	2	2	1	3	1	4	136	170	50	26.0	3	5	4	36.8	13.1	3.85	1	3
21656	104790	3	3	1	5	2	2	1	3	1	5	132	167	45	25.0	3	5	4	28.8	17.3	3.12	1	3
21657	104791	3	1	2	5	2	2	2	3	1	4	135	166	50	28.0	2	5	4	35.8	12.1	3.84	2	3
21658	104792	3	3	1	3	2	2	1	3	1	4	124	164	50	26.0	2	5	4	36.0	10.7	3.94	1	3
21659	104793	3	3	2	3	2	2	2	3	1	4	128	166	60	34.0	2	5	4	43.1	13.1	3.64	1	3
21660	104794	3	3	2	3	2	2	2	3	1	2	132	164	50	32.0	2	5	4	37.9	11.9	3.77	1	3
21661	104795	3	2	2	7	2	2	2	-	1	2	132	164	50	35.0	2	5	4	41.7	14.6	3.47	1	3
21662	104796	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21663	104797	2	1	2	7	2	2	2	3	1	4	136	170	60	26.0	2	5	4	35.1	15.2	3.55	1	3
21664	104798	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21665	104799	2	3	2	5	2	2	2	-	1	4	136	166	45	25.0	2	5	4	34.5	13.0	3.81	1	3
21666	104800	3	1	2	5	2	2	2	-	1	5	130	166	45	26.0	2	5	4	43.2	14.2	3.55	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21667	104801	3	3	2	3	2	2	1	3	1	4	124	156	50	31.0	2	5	4	43.1	11.1	3.42	1	3
21668	104802	3	3	1	3	2	2	1	3	1	4	128	164	50	21.0	2	5	4	47.9	12.9	3.50	1	3
21669	104803	3	3	1	3	2	2	2	5	1	4	120	153	50	28.0	3	5	4	42.6	12.3	3.62	1	3
21670	104804	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
21671	104805	2	3	2	7	2	2	2	3	1	2	131	167	45	29.0	2	5	4	44.0	13.1	3.66	1	3
21672	104806	2	3	2	3	2	2	2	3	1	4	142	167	45	25.0	2	5	4	36.3	12.7	3.76	1	3
21673	104807	2	2	2	7	2	2	1	3	1	4	136	167	60	31.0	2	5	4	35.2	14.1	3.16	1	3
21674	104808	2	2	2	1	2	2	2	3	1	4	127	166	65	33.0	2	5	4	45.3	13.3	3.68	1	3
21675	104809	2	2	2	3	2	2	2	3	1	4	135	167	65	34.0	2	5	4	37.5	12.0	3.71	1	3
21676	104810	3	2	2	3	2	2	2	3	1	4	136	166	55	24.0	2	5	4	38.0	10.8	3.84	1	3
21677	104811	2	3	2	3	2	2	2	3	1	4	125	156	55	29.0	2	5	4	40.1	9.9	3.83	1	3
21678	104812	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	37.4	13.1	3.72	-	-
21679	104813	2	3	2	3	2	2	2	3	-	4	132	169	60	27.0	2	5	4	-	-	-	1	3
21680	104814	3	3	2	3	2	2	2	3	1	4	135	169	65	31.0	2	5	4	35.9	14.6	3.61	1	3
21681	104815	2	3	2	5	2	2	2	3	1	2	133	164	55	27.0	2	5	4	39.7	13.0	3.67	1	3
21682	104816	2	3	2	5	2	2	2	3	1	4	128	163	50	31.0	2	5	4	42.5	11.7	3.91	1	3
21683	104817	2	2	2	5	2	2	2	3	1	2	132	166	55	29.0	2	5	4	46.1	10.3	3.78	1	3
21684	104818	3	1	2	5	2	2	2	3	1	2	142	166	50	28.0	2	5	4	50.2	11.0	3.90	1	3
21685	104819	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21686	104820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21687	104821	2	3	2	5	2	2	1	3	1	4	125	156	50	29.0	2	5	4	40.4	11.0	3.70	1	3
21688	104822	2	2	2	5	2	2	2	3	1	4	128	159	50	27.0	2	5	4	41.0	11.3	3.70	1	3
21689	104823	2	3	2	5	2	2	2	3	1	4	128	162	50	31.0	2	5	4	45.4	10.5	3.71	1	3
21690	104824	2	3	2	5	2	2	1	3	1	4	122	155	55	26.0	2	5	4	43.0	11.3	3.75	1	3
21691	104825	2	3	2	5	2	2	1	3	1	4	128	165	55	24.0	2	5	4	41.2	12.2	3.51	1	3
21692	104826	3	3	2	5	2	2	1	3	1	4	136	170	55	24.0	2	5	4	57.3	12.8	3.76	1	3
21693	104827	3	1	1	5	2	2	1	3	1	4	143	170	55	19.0	2	5	4	48.6	12.8	3.66	1	3
21694	104828	3	2	1	3	2	2	2	9	1	2	136	164	45	20.0	2	5	4	51.5	11.5	3.85	1	3
21695	104829	3	1	1	5	2	2	2	3	1	2	142	170	50	20.0	2	5	4	51.1	11.1	3.70	1	3
21696	104830	3	1	1	3	2	2	1	-	1	2	141	170	60	23.0	2	5	4	53.2	11.8	4.02	1	3
21697	104831	3	3	2	5	2	2	1	3	1	4	136	166	50	25.0	2	5	4	53.4	12.7	3.55	1	3
21698	104832	3	1	1	5	2	2	2	3	1	1	164	179	55	27.0	2	5	4	43.1	15.0	3.59	1	3
21699	104833	3	2	1	3	2	2	1	9	1	4	142	170	65	19.0	2	5	4	52.5	12.3	3.70	1	3
21700	104834	3	2	1	5	2	2	1	3	1	2	135	170	50	16.0	2	5	4	60.0	12.5	3.88	1	3
21701	104835	3	1	1	5	2	2	2	3	1	4	156	178	65	-	2	5	4	41.1	13.8	3.61	1	3
21702	104836	3	1	1	3	2	2	1	9	1	4	143	170	55	19.0	2	5	4	40.5	13.1	3.80	1	3
21703	104837	3	1	1	5	2	2	1	5	1	1	160	177	65	-	2	5	4	43.5	15.8	3.37	1	3
21704	104838	3	1	1	5	2	2	1	3	1	4	149	175	50	19.0	2	5	4	45.6	15.2	3.53	1	3
21705	104839	-	3	2	3	2	2	1	3	1	4	135	157	45	22.0	2	5	4	57.3	13.6	3.51	1	3
21706	104840	3	1	1	3	2	2	1	3	1	1	154	175	60	-	2	5	4	42.0	13.6	3.63	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21707	104841	3	1	1	5	2	2	1	3	1	1	155	175	65	-	2	5	4	41.5	14.2	3.59	1	3
21708	104842	3	1	1	3	2	2	1	3	1	2	144	170	65	16.0	2	5	4	49.6	13.6	3.67	1	3
21709	104843	3	1	2	3	2	2	1	3	1	2	150	173	60	21.0	2	5	4	25.5	14.1	3.76	1	3
21710	104844	3	1	1	5	2	2	1	5	1	2	142	169	55	21.0	2	5	4	35.0	12.7	3.67	1	3
21711	104845	2	2	2	7	2	2	1	3	1	4	141	169	45	28.0	2	5	4	31.1	13.0	3.72	1	3
21712	104846	2	3	1	3	2	2	1	3	1	4	127	155	55	21.0	2	5	4	35.7	13.0	3.82	1	5
21713	104847	2	3	2	3	2	2	2	3	1	5	136	166	50	29.0	2	5	4	38.5	13.3	3.52	1	3
21714	104848	2	3	2	5	2	2	2	3	1	4	136	150	50	28.0	2	5	4	39.1	12.6	3.73	1	3
21715	104849	2	3	2	7	2	2	1	3	1	4	141	167	50	26.0	2	5	4	32.9	13.4	3.60	1	3
21716	104850	2	1	1	-	2	2	1	3	1	4	158	174	60	-	3	-	4	27.1	14.5	3.53	1	3
21717	104851	3	1	1	5	2	2	1	3	1	2	159	178	55	-	2	5	4	23.5	13.4	3.74	1	3
21718	104852	3	1	1	3	2	2	1	3	1	4	151	173	55	-	2	5	4	26.8	13.1	3.61	1	3
21719	104853	3	1	1	3	2	2	1	3	1	4	151	173	50	-	2	5	4	28.5	12.3	3.62	1	3
21720	104854	-	3	2	7	2	2	2	7	1	5	128	159	60	27.0	2	5	4	39.7	12.9	3.21	1	3
21721	104855	3	1	1	5	2	2	1	9	1	2	160	174	55	-	2	5	4	23.0	13.8	3.71	1	3
21722	104856	3	1	1	5	2	2	1	3	1	4	155	177	60	-	3	5	4	26.2	13.3	3.70	1	3
21723	104857	3	1	1	7	2	2	1	3	1	2	142	174	60	22.0	2	5	4	30.2	13.0	3.44	1	3
21724	104858	2	2	2	3	2	2	1	3	1	4	136	167	50	28.0	2	5	4	35.5	11.7	3.81	1	3
21725	104859	2	3	2	3	2	2	1	3	1	4	128	159	50	24.0	2	5	4	39.2	11.8	3.79	1	3
21726	104860	3	1	1	5	2	2	1	3	1	4	155	175	55	-	2	5	4	22.4	14.0	3.62	1	3
21727	104861	3	1	1	5	2	2	1	3	1	1	155	176	60	-	2	5	4	24.9	14.0	3.71	1	3
21728	104862	3	1	1	5	2	2	1	3	1	1	156	177	60	-	2	5	4	23.2	15.1	3.48	1	3
21729	104863	1	3	2	5	2	2	2	3	1	4	128	163	60	31.0	2	5	4	39.4	13.0	3.63	1	3
21730	104864	3	1	1	3	2	2	1	3	1	2	141	173	65	19.0	2	5	4	29.2	12.5	3.90	1	3
21731	104865	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21732	104866	3	1	1	3	2	2	1	3	1	4	142	174	70	16.0	2	5	4	28.4	12.9	3.64	1	3
21733	104867	3	1	1	5	2	2	1	3	1	1	150	178	60	-	2	5	4	28.7	13.7	3.76	1	3
21734	104868	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21735	104869	3	3	2	3	2	2	1	3	1	4	135	164	50	26.0	2	5	4	56.1	14.5	3.56	1	3
21736	104870	3	1	1	3	2	2	1	3	1	4	150	174	55	-	3	5	4	27.1	12.9	3.72	1	3
21737	104871	3	1	1	5	2	2	1	3	1	2	141	170	60	25.0	2	5	4	33.6	12.2	3.83	1	3
21738	104872	3	1	1	3	2	2	1	3	1	4	142	170	60	19.0	2	5	4	28.8	12.1	3.79	1	3
21739	104873	3	1	1	3	2	2	1	3	1	2	141	170	60	22.0	2	5	4	37.9	12.4	3.78	1	3
21740	104874	3	1	1	3	2	2	1	1	1	4	143	170	60	23.0	2	5	4	28.1	11.6	3.90	1	3
21741	104875	3	1	1	5	2	2	1	9	1	2	143	170	60	24.0	2	5	4	29.9	13.9	3.62	1	3
21742	104876	3	1	1	5	2	2	1	3	1	4	157	178	50	-	2	5	4	22.7	17.8	3.35	1	3
21743	104877	2	2	2	5	2	2	2	7	1	5	142	158	50	29.0	2	5	4	38.3	15.4	3.41	1	3
21744	104878	2	3	2	3	2	2	2	3	1	4	131	158	55	27.0	2	5	4	41.4	16.6	3.05	1	3
21745	104879	3	2	2	5	2	2	2	3	1	4	136	166	40	30.0	2	5	4	36.0	14.3	3.71	1	3
21746	104880	1	3	2	3	2	2	1	3	1	4	131	156	60	25.0	2	5	4	44.4	16.1	3.15	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21747	104881	3	1	1	5	2	2	1	9	1	2	163	178	60	-	2	5	4	24.1	17.2	3.37	1	3
21748	104882	3	1	1	5	2	2	1	9	1	1	163	178	60	-	2	5	4	25.3	17.0	3.42	1	3
21749	104883	2	3	2	3	2	2	1	-	1	4	136	164	40	19.0	2	5	4	35.0	13.9	3.74	1	3
21750	104884	3	1	1	5	2	2	1	1	1	4	163	178	55	-	2	5	4	24.0	16.4	3.36	1	3
21751	104885	3	1	1	5	2	2	1	3	1	4	154	177	70	-	2	5	4	25.9	14.3	3.56	1	3
21752	104886	3	1	1	5	2	2	1	1	1	1	155	178	60	-	2	5	4	26.0	16.3	3.39	1	3
21753	104887	3	1	1	5	2	2	1	1	1	4	155	179	45	-	2	5	4	25.1	15.1	3.59	1	3
21754	104888	3	3	2	3	2	2	1	3	1	4	124	156	70	30.0	2	5	4	36.5	13.7	3.48	1	3
21755	104889	1	3	3	5	2	2	1	9	2	3	124	154	55	23.0	1	5	4	43.7	14.2	3.61	1	3
21756	104890	1	3	3	5	2	2	2	9	1	3	122	150	50	27.0	1	5	4	38.4	14.1	3.58	1	3
21757	104891	1	3	3	5	2	2	1	9	2	3	123	152	50	27.0	1	5	4	41.7	14.6	3.60	2	3
21758	104892	1	3	3	5	2	2	1	9	2	-	122	153	50	27.0	1	5	4	40.8	13.5	3.66	1	3
21759	104893	1	3	3	5	2	2	1	9	2	3	123	154	60	29.0	1	5	4	46.8	14.4	3.47	1	3
21760	104894	2	3	3	5	2	2	1	7	2	3	128	162	50	27.0	2	5	4	46.1	14.8	3.59	1	3
21761	104895	2	2	3	5	2	2	1	7	2	3	136	163	50	29.0	1	5	4	47.8	15.0	3.59	1	3
21762	104896	2	3	3	5	2	2	1	7	2	3	136	164	50	26.0	1	5	4	46.8	15.6	3.55	1	3
21763	104897	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21764	104898	1	3	1	3	2	2	1	-	-	3	142	166	50	21.0	2	5	4	41.5	16.6	3.46	1	3
21765	104899	1	3	3	5	2	2	1	-	-	-	132	166	55	28.0	2	5	4	-	-	-	1	5
21766	104900	1	3	3	3	2	2	1	-	1	5	136	164	50	22.0	1	5	4	47.0	16.5	3.46	1	3
21767	104901	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21768	104902	1	3	3	3	2	2	1	-	1	2	132	163	60	25.0	1	5	4	49.3	16.5	3.49	1	3
21769	104903	1	3	3	3	2	2	1	3	1	2	125	155	50	28.0	1	5	4	44.8	14.9	3.40	1	3
21770	104904	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21771	104905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21772	104906	1	3	3	5	2	2	1	9	2	3	124	156	60	27.0	1	5	4	46.3	14.8	3.46	1	3
21773	104907	1	3	3	9	2	2	1	9	2	3	124	156	60	27.0	1	5	4	48.5	15.8	3.43	1	3
21774	104908	1	3	3	3	2	2	1	-	1	2	125	158	50	22.0	1	5	4	49.0	15.3	3.39	1	3
21775	104909	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21776	104910	1	3	3	7	2	2	1	7	2	3	123	155	60	25.0	1	5	4	48.0	13.2	3.77	2	3
21777	104911	2	3	3	3	2	2	1	3	1	2	120	148	50	25.0	1	5	4	37.6	13.5	3.76	1	3
21778	104912	1	3	3	3	2	2	2	3	1	4	119	152	60	23.0	1	5	4	42.0	13.1	3.80	1	3
21779	104913	1	3	3	3	2	2	1	9	1	2	128	163	60	34.0	1	5	4	50.1	13.7	3.67	1	3
21780	104914	1	2	3	5	2	2	1	9	1	2	135	170	70	30.0	1	5	4	42.8	16.3	3.48	1	3
21781	104915	1	3	3	7	2	2	1	9	2	3	124	155	60	28.0	1	5	4	45.8	15.2	3.45	1	3
21782	104916	1	3	3	7	2	2	1	9	2	3	125	156	55	23.0	1	5	4	49.2	16.0	3.40	1	3
21783	104917	1	3	3	3	2	2	1	9	2	3	123	154	50	24.0	1	5	4	42.0	16.2	3.40	1	3
21784	104918	1	3	3	3	2	2	1	9	2	3	121	150	55	27.0	1	5	4	38.5	14.0	3.62	1	3
21785	104919	1	3	3	3	2	2	1	9	2	3	121	150	50	24.0	1	5	4	40.2	13.3	3.80	2	3
21786	104920	1	2	1	3	2	2	1	5	1	4	136	164	50	31.0	2	5	4	41.1	15.8	3.57	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21787	104921	1	3	3	3	2	2	1	-	1	2	136	163	50	26.0	1	5	4	46.6	15.3	3.63	1	3
21788	104922	1	3	3	5	2	2	1	7	2	3	124	156	50	24.0	1	5	4	43.6	14.9	3.35	1	3
21789	104923	1	3	3	5	2	2	1	7	2	3	123	155	55	26.0	1	5	4	45.4	14.6	3.65	1	3
21790	104924	1	3	3	3	2	2	1	-	1	2	125	159	50	27.0	1	5	4	48.0	15.3	3.41	1	3
21791	104925	1	3	3	5	2	2	1	-	1	5	131	158	55	27.0	1	5	4	45.8	18.0	2.89	1	3
21792	104926	1	3	3	5	2	2	1	-	1	5	127	158	50	29.0	1	5	4	45.3	17.2	3.29	1	3
21793	104927	1	3	3	5	2	2	1	-	1	5	127	156	60	31.0	1	5	4	45.3	15.3	3.36	1	3
21794	104928	1	3	3	3	2	2	1	-	1	5	124	156	50	30.0	1	5	4	44.0	15.8	3.28	1	3
21795	104929	1	3	3	5	2	2	1	-	2	-	128	167	55	22.0	1	5	4	50.2	15.6	3.48	1	3
21796	104930	2	3	3	3	2	2	1	-	1	-	127	164	55	26.0	1	5	4	49.9	16.0	3.52	1	3
21797	104931	1	3	3	3	2	2	2	-	1	2	121	152	45	25.0	1	5	4	40.1	14.8	3.56	1	3
21798	104932	2	3	3	3	2	2	1	1	1	2	121	152	40	27.0	1	5	4	40.3	15.8	3.45	1	3
21799	104933	1	3	3	3	2	2	1	1	1	2	122	154	60	29.0	1	5	4	46.0	14.3	3.57	1	3
21800	104934	1	3	3	3	2	2	1	1	1	2	121	152	50	26.0	1	5	4	41.7	14.7	3.57	1	3
21801	104935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21802	104936	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21803	104937	1	3	3	3	2	2	2	1	1	2	122	154	60	29.0	1	5	4	43.6	14.5	3.48	1	3
21804	104938	1	3	3	3	2	2	2	1	1	2	122	156	60	28.0	1	5	4	45.9	14.6	3.61	1	3
21805	104939	1	3	3	3	2	2	2	1	1	2	121	155	60	30.0	1	5	4	45.2	15.0	3.47	1	3
21806	104940	1	3	3	3	2	2	2	-	1	2	121	155	60	27.0	1	5	4	46.3	14.2	3.53	1	3
21807	104941	1	3	3	3	2	2	2	1	1	2	122	154	60	28.0	1	5	4	41.8	13.5	3.69	1	3
21808	104942	2	3	3	3	2	2	1	-	1	2	126	159	50	28.0	1	5	4	48.0	15.4	3.46	1	3
21809	104943	1	3	3	5	2	2	1	-	1	4	127	158	45	26.0	1	5	4	46.9	15.7	3.37	1	3
21810	104944	1	3	3	3	2	2	2	1	1	2	121	154	50	26.0	1	5	4	41.0	14.0	3.66	1	3
21811	104945	1	3	3	3	2	2	1	1	1	2	120	154	45	28.0	1	5	4	38.3	15.4	3.48	1	3
21812	104946	1	2	3	3	2	2	1	1	1	4	136	166	50	29.0	1	5	4	44.3	15.8	3.50	1	3
21813	104947	1	3	-	3	2	2	1	-	1	4	124	158	50	25.0	1	5	4	43.6	14.6	3.49	1	3
21814	104948	1	3	2	3	2	2	1	-	1	4	127	159	50	26.0	1	5	4	44.4	16.0	3.45	1	3
21815	104949	1	3	3	3	2	2	2	1	1	2	122	155	60	27.0	1	5	4	44.2	15.0	3.51	1	3
21816	104950	1	3	3	3	2	2	2	-	1	2	122	159	60	22.0	1	5	4	47.4	15.5	3.46	1	3
21817	104951	1	3	3	3	2	2	1	-	1	4	125	156	55	28.0	1	5	4	43.1	15.4	3.50	1	3
21818	104952	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21819	104953	1	3	3	3	2	2	2	1	1	2	121	152	50	29.0	1	5	4	40.2	13.3	3.70	1	3
21820	104954	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21821	104955	1	3	3	5	2	2	1	1	1	2	121	152	55	31.0	1	5	4	38.3	13.5	3.67	1	3
21822	104956	1	3	3	3	2	2	2	1	1	2	121	152	50	25.0	1	5	4	41.0	13.0	3.75	1	3
21823	104957	2	3	3	5	2	2	1	-	2	3	136	158	50	27.0	1	5	4	45.9	15.0	3.46	1	3
21824	104958	1	3	3	3	2	2	2	1	1	2	121	152	50	29.0	1	5	4	42.9	13.2	3.73	2	3
21825	104959	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21826	104960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21827	104961	1	-	3	3	2	2	1	3	1	4	124	156	50	29.0	1	5	4	46.3	12.7	3.60	1	3
21828	104962	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21829	104963	1	3	3	3	2	2	1	-	1	4	124	155	50	25.0	2	5	4	43.2	14.2	3.63	1	3
21830	104964	1	3	3	5	2	2	1	9	1	5	124	156	55	27.0	1	5	4	44.9	16.1	3.35	1	3
21831	104965	1	3	3	3	2	2	1	3	1	4	124	156	50	26.0	1	5	4	49.2	14.1	3.50	1	3
21832	104966	1	3	3	3	2	2	1	-	1	2	136	167	55	22.0	2	5	4	43.4	15.9	3.66	1	3
21833	104967	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21834	104968	2	3	3	5	2	2	1	3	1	4	124	159	65	30.0	1	5	4	52.9	14.9	3.58	1	3
21835	104969	1	3	3	5	2	2	1	-	1	4	124	156	55	25.0	1	5	4	46.5	13.9	3.59	1	3
21836	104970	1	3	3	3	2	2	1	-	1	4	124	156	50	32.0	1	5	4	45.6	12.6	3.74	1	3
21837	104971	1	3	3	3	2	2	1	3	1	4	124	155	50	30.0	1	5	4	45.5	14.1	3.42	1	3
21838	104972	1	3	3	3	2	2	1	-	2	3	125	159	50	26.0	1	5	4	52.5	15.6	3.26	1	3
21839	104973	1	3	3	3	2	2	2	3	1	2	124	154	50	27.0	1	5	4	45.3	13.5	3.72	1	3
21840	104974	1	3	3	3	2	2	2	1	1	2	120	151	50	29.0	1	5	4	41.5	13.5	3.56	1	3
21841	104975	1	3	3	3	2	2	1	-	1	4	125	159	50	28.0	1	5	4	45.1	15.0	3.52	1	3
21842	104976	1	3	3	3	2	2	1	-	1	4	127	158	55	28.0	1	5	4	44.4	15.2	3.53	1	3
21843	104977	1	3	2	5	2	2	1	-	1	5	124	155	40	23.0	1	5	4	43.7	16.5	3.39	1	3
21844	104978	1	3	2	3	2	2	1	-	1	4	125	158	40	28.0	1	5	4	45.7	14.6	3.53	1	3
21845	104979	1	3	3	3	2	2	2	-	1	2	122	158	50	30.0	1	5	4	47.0	13.9	3.64	1	3
21846	104980	1	3	3	3	2	2	2	1	1	2	121	154	50	26.0	1	5	4	47.4	12.7	3.71	1	3
21847	104981	1	3	3	3	2	2	2	1	1	2	121	154	55	29.0	1	5	4	45.1	13.7	3.63	1	3
21848	104982	1	3	3	3	2	2	1	1	1	2	124	154	50	23.0	1	5	4	43.9	15.4	3.40	1	3
21849	104983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21850	104984	1	3	3	3	2	2	1	-	1	5	122	154	50	26.0	1	5	4	40.8	14.8	3.48	1	3
21851	104985	1	3	3	3	2	2	1	1	1	4	123	154	50	27.0	1	5	4	41.4	16.2	3.46	1	3
21852	104986	1	3	3	3	2	2	1	-	1	2	124	154	50	27.0	1	5	4	41.2	15.7	3.51	1	3
21853	104987	1	3	3	7	2	2	1	-	2	3	127	159	50	25.0	1	5	4	46.1	14.8	3.57	1	3
21854	104988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21855	104989	1	3	3	5	2	2	1	3	1	2	128	163	60	26.0	1	5	4	49.5	14.8	3.59	1	3
21856	104990	1	3	3	3	2	2	1	-	1	4	125	155	50	24.0	1	5	4	43.6	14.6	3.58	1	3
21857	104991	2	3	3	5	2	2	1	-	2	3	127	162	50	24.0	1	5	4	50.3	15.5	3.44	1	3
21858	104992	2	3	3	1	2	2	2	1	1	2	120	154	60	27.0	1	5	4	42.5	13.3	3.58	1	3
21859	104993	2	3	3	1	2	2	2	1	1	2	120	153	60	28.0	1	5	4	40.1	14.1	3.55	1	3
21860	104994	2	3	3	3	2	2	2	1	1	2	119	145	50	24.0	1	5	4	38.7	13.5	3.64	1	3
21861	104995	1	3	3	3	2	2	1	1	1	2	122	155	45	27.0	1	5	4	42.1	15.6	3.45	1	3
21862	104996	2	3	3	3	2	2	1	-	1	4	124	158	50	28.0	1	5	4	44.9	14.5	3.49	1	3
21863	104997	1	3	3	3	2	2	1	-	1	4	125	158	50	21.0	1	5	4	44.5	15.1	3.39	1	3
21864	104998	1	3	3	3	2	2	1	1	1	2	122	155	45	28.0	1	5	4	41.3	15.8	3.38	1	5
21865	104999	1	3	3	3	2	2	1	-	1	4	123	158	50	21.0	1	5	4	50.3	16.8	3.48	1	5
21866	105000	1	3	3	3	2	2	2	-	1	2	123	154	50	20.0	1	5	4	40.6	15.5	3.49	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21867	105001	1	3	3	3	2	2	1	3	1	2	129	155	45	23.0	1	5	4	40.0	14.8	3.63	1	3
21868	105002	1	3	3	3	2	2	1	3	1	2	124	155	40	21.0	1	5	4	40.3	16.1	3.45	1	3
21869	105003	1	3	3	3	2	2	1	9	2	3	131	155	45	24.0	1	5	4	41.6	14.5	3.72	1	3
21870	105004	1	3	3	5	2	2	1	9	2	3	124	160	50	27.0	1	5	4	47.9	13.7	3.58	1	3
21871	105005	1	3	3	5	2	2	1	3	2	3	123	155	50	17.0	1	5	4	42.1	14.1	3.62	1	3
21872	105006	1	3	3	5	2	2	-	3	2	3	124	156	45	20.0	1	5	4	42.5	15.0	3.62	1	3
21873	105007	1	3	3	5	2	2	1	1	2	3	121	155	40	21.0	1	5	4	40.8	13.5	3.64	1	3
21874	105008	1	3	3	3	2	2	1	3	1	4	124	158	45	26.0	1	5	4	42.3	13.5	3.61	1	3
21875	105009	1	3	1	3	2	2	1	3	1	2	126	161	50	18.0	2	5	4	43.9	14.3	3.64	1	3
21876	105010	1	3	3	3	2	2	1	-	1	4	126	160	50	20.0	1	5	4	51.4	14.7	3.63	1	3
21877	105011	1	3	3	5	2	2	1	9	1	2	122	157	45	20.0	1	5	4	40.6	14.8	3.61	1	3
21878	105012	1	3	2	5	2	2	2	3	2	3	131	160	50	20.0	2	5	4	45.0	16.0	3.54	1	3
21879	105013	1	3	3	5	2	2	-	3	1	2	122	154	50	28.0	1	5	4	37.1	14.8	3.60	1	3
21880	105014	1	3	3	5	2	2	1	9	1	4	122	154	45	18.0	1	5	4	36.7	13.2	3.66	1	3
21881	105015	1	3	3	5	2	2	1	7	2	3	121	154	50	21.0	1	5	4	42.1	13.8	3.68	1	3
21882	105016	1	3	3	5	2	2	1	1	1	2	122	154	50	22.0	1	5	4	40.3	13.9	3.57	1	3
21883	105017	1	3	3	5	2	2	1	1	1	2	121	154	50	24.0	1	5	4	40.1	13.7	3.70	1	3
21884	105018	1	3	3	5	2	2	1	3	1	4	123	155	50	21.0	1	5	4	40.7	13.7	3.61	1	3
21885	105019	1	3	3	5	2	2	1	9	2	3	123	155	50	25.0	1	5	4	45.2	13.4	3.64	1	3
21886	105020	1	3	3	5	2	2	1	7	2	3	121	154	50	16.0	1	5	4	38.3	14.1	3.64	1	3
21887	105021	1	3	3	3	2	2	1	1	1	2	123	154	50	23.0	1	5	4	41.4	15.3	3.61	1	3
21888	105022	1	3	3	5	2	2	1	1	1	2	122	155	55	23.0	1	5	4	44.2	14.7	3.55	1	3
21889	105023	1	3	3	5	2	2	1	7	2	3	123	156	50	20.0	1	5	4	45.6	14.1	3.66	1	3
21890	105024	1	3	3	5	2	2	1	7	2	3	121	155	45	22.0	1	5	4	43.0	13.6	3.66	1	3
21891	105025	1	3	3	3	2	2	2	7	2	3	123	155	50	24.0	1	5	4	40.5	14.7	3.69	1	3
21892	105026	1	3	3	3	2	2	1	7	2	3	122	154	45	26.0	1	5	4	40.6	13.7	3.59	1	3
21893	105027	1	3	3	5	2	2	1	7	2	3	123	155	50	24.0	1	5	4	43.1	14.6	3.62	1	3
21894	105028	1	3	3	5	2	2	2	7	2	3	122	154	45	19.0	1	5	4	40.8	14.3	3.55	1	3
21895	105029	1	3	3	5	2	2	2	7	2	3	122	155	50	25.0	1	5	4	40.4	15.2	3.62	1	3
21896	105030	1	3	3	5	2	2	1	7	2	3	121	154	50	25.0	1	5	4	40.3	14.0	3.71	1	3
21897	105031	1	3	3	3	2	2	2	1	1	3	122	152	50	28.0	1	5	4	43.9	13.7	3.76	1	3
21898	105032	1	3	3	5	2	2	2	9	1	3	123	154	50	29.0	1	5	4	44.7	13.3	3.62	1	3
21899	105033	1	3	3	5	2	2	1	7	2	2	122	156	45	27.0	1	5	4	45.3	14.4	3.68	1	3
21900	105034	1	3	3	3	2	2	2	1	1	2	123	154	45	23.0	1	5	4	44.4	13.7	3.64	1	3
21901	105035	1	3	3	5	2	2	1	7	2	2	123	156	55	23.0	1	5	4	41.0	14.1	3.74	1	3
21902	105036	1	3	3	3	2	2	2	1	1	3	119	151	50	24.0	1	5	4	40.1	13.8	3.55	1	3
21903	105037	1	3	3	3	2	2	2	1	1	2	119	149	50	20.0	1	5	4	41.2	14.1	3.77	1	3
21904	105038	1	3	3	3	2	2	2	7	1	3	118	148	45	20.0	1	5	4	35.5	14.1	3.64	1	3
21905	105039	1	3	3	5	2	2	1	7	2	2	123	155	50	23.0	1	5	4	41.8	14.7	3.57	1	3
21906	105040	1	3	3	3	2	2	2	7	2	2	119	153	45	24.0	1	5	4	40.4	13.8	3.59	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21907	105041	1	3	3	5	2	2	2	1	2	3	120	153	50	24.0	1	5	4	40.0	13.9	3.62	1	3
21908	105042	1	3	3	5	2	2	2	9	1	2	120	153	45	20.0	1	5	4	41.2	13.3	3.64	1	3
21909	105043	1	3	1	5	2	2	1	1	2	5	135	160	50	24.0	3	5	4	43.6	13.9	3.68	1	3
21910	105044	1	3	3	3	2	2	2	3	1	2	126	157	45	22.0	1	5	4	42.5	14.4	3.62	1	3
21911	105045	1	3	3	3	2	2	1	9	2	3	135	157	50	20.0	1	5	4	44.7	14.8	3.68	1	3
21912	105046	1	3	-	5	2	2	2	9	1	2	123	157	50	23.0	-	5	4	40.6	13.4	3.64	1	3
21913	105047	1	3	3	3	2	2	1	3	1	2	119	151	50	26.0	1	5	4	41.3	13.5	3.66	1	3
21914	105048	1	3	3	3	2	2	2	3	1	2	119	151	40	27.0	1	5	4	39.6	13.8	3.58	1	3
21915	105049	1	3	3	3	2	2	2	3	1	2	122	154	50	26.0	1	5	4	45.3	14.8	3.59	1	3
21916	105050	1	3	3	3	2	2	2	3	1	2	123	155	45	22.0	1	5	4	45.7	14.2	3.61	1	3
21917	105051	2	3	3	9	2	2	1	7	2	3	125	158	55	26.0	1	5	4	41.6	13.3	3.62	1	3
21918	105052	1	3	3	1	2	2	2	1	1	2	121	154	55	29.0	1	5	4	45.9	13.1	3.77	1	3
21919	105053	2	3	3	9	2	2	1	7	2	3	125	158	50	21.0	1	5	4	42.4	14.2	3.71	1	3
21920	105054	2	3	3	9	2	2	1	7	2	3	126	158	50	26.0	1	5	4	43.1	-	-	1	3
21921	105055	2	3	3	9	2	2	2	7	2	3	127	158	50	28.0	1	5	4	42.6	14.1	3.72	1	3
21922	105056	2	3	3	9	2	2	1	7	2	3	123	158	50	25.0	1	5	4	45.8	13.6	3.79	1	3
21923	105057	2	3	3	9	2	2	1	7	2	3	123	158	50	26.0	1	5	4	43.9	13.7	3.71	1	3
21924	105058	2	2	1	1	2	2	1	-	2	3	135	162	45	16.0	2	5	4	37.3	15.1	3.56	1	3
21925	105059	2	3	3	3	2	2	2	1	1	2	118	149	50	22.0	1	5	4	36.1	15.1	3.43	1	3
21926	105060	2	3	3	5	2	2	2	1	1	2	122	156	50	22.0	1	5	4	41.0	15.0	3.50	1	3
21927	105061	2	3	3	5	2	2	2	7	2	3	123	157	50	20.0	1	5	4	43.2	15.4	3.46	1	3
21928	105062	2	3	3	3	2	2	2	9	-	2	123	157	45	28.0	1	5	4	-	-	-	1	3
21929	105063	2	3	3	3	2	2	2	9	1	2	121	154	40	29.0	1	5	4	40.8	14.2	3.60	1	3
21930	105064	2	3	3	5	2	2	2	7	2	3	118	154	45	22.0	1	5	4	36.4	14.3	3.59	1	3
21931	105065	2	3	3	5	2	2	2	7	2	3	119	154	50	16.0	1	5	4	40.3	14.6	3.52	1	3
21932	105066	2	3	3	5	2	2	2	7	2	3	124	158	50	25.0	1	5	4	51.9	15.7	3.46	1	3
21933	105067	1	3	3	5	2	2	1	7	2	3	122	154	55	23.0	1	5	4	45.9	15.1	3.53	1	3
21934	105068	2	3	3	5	2	2	1	7	2	3	124	155	50	17.0	1	5	4	42.5	16.3	3.29	1	3
21935	105069	2	3	3	5	2	2	1	7	2	3	124	155	40	24.0	1	5	4	42.2	18.2	3.15	1	3
21936	105070	2	3	3	3	2	2	1	3	1	4	126	158	45	25.0	1	5	4	42.8	15.4	3.44	1	3
21937	105071	1	3	3	5	2	2	1	7	2	3	127	159	50	20.0	1	5	4	46.2	18.4	3.40	1	3
21938	105072	2	3	3	3	2	2	2	9	1	2	124	157	50	20.0	1	5	4	43.0	15.8	3.52	1	3
21939	105073	2	3	3	3	2	2	1	3	1	4	131	160	45	17.0	1	5	4	46.8	17.2	3.34	1	3
21940	105074	2	3	3	5	2	2	2	9	1	5	120	153	50	26.0	1	5	4	35.6	14.8	3.62	1	3
21941	105075	2	3	3	5	2	2	1	9	1	5	123	154	50	20.0	1	5	4	38.7	15.7	3.53	1	3
21942	105076	1	3	3	7	2	2	1	7	2	3	122	155	50	25.0	1	5	4	41.6	17.6	3.32	1	3
21943	105077	1	3	3	5	2	2	1	9	2	5	122	155	50	18.0	1	5	4	46.8	18.0	3.09	1	3
21944	105078	2	3	2	3	2	2	2	3	1	4	131	161	50	20.0	2	5	4	44.2	16.5	3.45	1	3
21945	105079	2	3	2	3	2	2	2	3	1	4	132	160	50	20.0	2	5	4	47.7	16.0	3.49	1	3
21946	105080	1	3	3	7	2	2	1	7	2	3	123	160	45	17.0	1	5	4	43.9	17.4	3.36	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21947	105081	2	3	3	3	2	2	1	3	1	4	132	161	40	20.0	1	5	4	45.1	17.8	3.42	1	3
21948	105082	1	3	3	3	2	2	1	9	2	3	123	155	40	24.0	1	5	4	38.6	18.6	3.29	1	3
21949	105083	2	2	3	5	2	2	1	3	1	4	135	160	40	22.0	1	5	4	39.8	18.7	3.32	1	3
21950	105084	1	3	3	3	2	2	1	9	2	3	121	154	45	20.0	1	5	4	39.7	20.7	2.88	2	3
21951	105085	2	2	3	3	2	2	1	3	1	4	135	162	40	20.0	1	5	4	41.0	19.0	3.32	1	3
21952	105086	2	2	3	3	2	2	1	3	1	4	135	162	45	20.0	1	5	4	44.7	18.6	3.39	1	3
21953	105087	2	3	3	3	2	2	1	3	1	4	135	161	40	18.0	1	5	4	39.9	18.9	3.32	1	3
21954	105088	2	3	3	3	2	2	1	3	1	4	135	161	40	20.0	1	5	4	42.6	19.3	3.28	1	3
21955	105089	2	3	2	3	2	2	1	3	1	4	127	161	40	18.0	2	5	4	43.3	16.2	3.47	1	3
21956	105090	1	3	3	3	2	2	-	1	1	4	118	151	50	21.0	1	5	4	39.5	14.8	3.61	1	3
21957	105091	2	3	3	3	2	2	2	1	1	4	119	153	50	20.0	1	5	4	44.4	16.0	3.39	1	3
21958	105092	2	3	3	3	2	2	1	1	1	4	117	151	45	27.0	1	5	4	35.9	14.5	3.67	1	3
21959	105093	2	3	3	3	2	2	1	1	1	4	118	151	50	21.0	1	5	4	38.3	14.2	3.58	1	3
21960	105094	2	3	3	5	2	2	2	7	2	3	115	149	55	22.0	1	5	4	36.1	15.0	3.51	1	3
21961	105095	2	3	3	5	2	2	1	7	2	3	116	149	60	17.0	1	5	4	35.2	14.9	3.49	1	3
21962	105096	1	3	3	3	2	2	1	7	2	3	118	149	50	22.0	1	5	4	36.3	14.5	3.60	1	3
21963	105097	2	-	3	5	2	2	1	3	1	5	153	170	55	25.0	2	5	4	43.8	16.5	3.54	1	3
21964	105098	2	2	3	3	2	2	1	3	1	4	135	160	50	20.0	1	5	4	47.4	16.8	3.56	1	3
21965	105099	2	3	3	3	2	2	1	3	1	4	135	160	45	19.0	1	5	4	46.8	16.7	3.44	1	3
21966	105100	1	3	3	7	2	2	1	7	2	3	139	159	40	20.0	1	5	4	45.1	16.9	3.41	1	3
21967	105101	1	3	3	7	2	2	1	7	2	3	135	158	45	18.0	1	5	4	45.5	13.8	3.91	1	3
21968	105102	1	3	3	5	2	2	1	7	2	5	126	157	50	19.0	1	5	4	49.6	13.6	3.90	1	3
21969	105103	1	3	3	5	2	2	1	7	2	3	126	155	50	22.0	1	5	4	42.6	11.9	4.20	1	3
21970	105104	1	3	3	5	2	2	1	7	2	3	124	159	50	19.0	1	5	4	51.2	-	-	1	3
21971	105105	2	3	3	7	2	2	1	7	2	3	135	157	45	19.0	1	5	4	45.6	13.8	3.98	1	3
21972	105106	2	3	3	5	2	2	1	7	2	3	135	160	50	27.0	1	5	4	43.7	13.6	3.89	1	3
21973	105107	2	3	3	3	2	2	1	3	1	4	140	162	50	22.0	1	5	4	48.7	-	-	1	3
21974	105108	2	3	3	5	2	2	1	7	2	3	135	161	45	23.0	1	5	4	46.6	-	-	1	3
21975	105109	2	3	3	3	2	2	1	9	1	2	134	161	50	20.0	1	5	4	45.6	-	-	1	3
21976	105110	1	3	3	3	2	2	1	3	1	4	148	159	45	17.0	1	5	4	49.0	15.6	3.78	2	3
21977	105111	2	3	3	3	2	2	1	9	1	2	126	161	45	24.0	1	5	4	49.5	15.0	3.59	1	3
21978	105112	1	3	2	5	2	-	1	-	-	-	-	-	50	12.0	1	5	4	-	-	-	1	3
21979	105113	1	3	3	5	2	-	1	-	-	-	-	-	45	11.0	1	5	4	-	-	-	1	3
21980	105114	1	3	3	5	2	2	1	3	1	5	-	-	40	15.0	1	5	4	30.6	17.2	3.55	1	3
21981	105115	1	3	3	3	2	2	1	3	1	4	148	160	40	11.0	1	5	4	43.8	16.8	3.47	1	3
21982	105116	1	3	3	3	2	2	1	7	2	3	135	160	50	21.0	1	5	4	46.3	14.9	3.72	1	3
21983	105117	1	3	3	3	2	2	1	9	2	3	117	150	55	22.0	1	5	4	39.7	15.1	3.51	1	3
21984	105118	1	3	3	3	2	2	1	9	2	5	121	157	50	22.0	1	5	4	44.9	15.1	3.58	1	3
21985	105119	1	3	3	3	2	2	1	7	2	3	120	154	50	26.0	1	5	4	37.0	14.8	3.47	1	3
21986	105120	1	3	3	3	2	2	1	7	2	3	119	153	55	22.0	1	5	4	39.9	14.6	3.57	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
21987	105121	1	3	3	5	2	2	2	7	2	3	122	157	50	21.0	1	5	4	45.7	15.4	3.45	1	3
21988	105122	1	3	3	3	2	2	2	1	1	4	122	154	50	16.0	1	5	4	40.7	18.0	3.28	1	3
21989	105123	1	3	3	5	2	2	2	1	1	4	121	155	50	26.0	1	5	4	42.6	16.4	3.52	1	3
21990	105124	1	3	3	5	2	2	1	-	1	2	121	154	60	23.0	1	5	4	39.2	15.9	3.39	1	3
21991	105125	1	3	3	5	2	2	1	-	1	4	119	154	45	21.0	1	5	4	41.9	17.7	3.42	2	3
21992	105126	1	3	3	7	2	2	1	9	1	2	121	154	50	23.0	1	5	4	41.4	14.8	3.55	1	3
21993	105127	1	3	3	3	2	2	1	9	1	2	123	155	45	18.0	1	5	4	39.3	16.2	3.46	1	3
21994	105128	1	3	3	5	2	2	2	1	1	2	121	153	40	17.0	1	5	4	36.9	16.1	3.49	1	3
21995	105129	1	3	3	5	2	2	1	9	1	2	123	154	45	27.0	1	5	4	39.3	15.1	3.64	1	3
21996	105130	1	3	3	5	2	2	1	9	1	2	124	155	45	20.0	1	5	4	39.3	16.0	3.52	1	3
21997	105131	1	3	3	5	2	2	1	9	1	2	123	155	45	24.0	1	4	4	39.9	15.8	3.44	1	3
21998	105132	1	3	3	5	2	2	1	9	1	2	123	156	45	22.0	1	4	4	40.7	15.3	3.61	1	3
21999	105133	1	3	3	5	2	2	2	9	1	2	122	153	45	25.0	1	4	4	38.2	15.6	3.58	2	3
22000	105134	1	3	3	9	2	2	2	3	1	2	121	153	50	24.0	1	4	4	38.5	16.5	3.40	1	3
22001	105135	1	3	3	7	2	2	1	9	1	2	121	155	50	21.0	1	4	4	40.3	16.4	3.40	2	3
22002	105136	1	3	3	5	2	2	1	9	2	3	121	155	50	19.0	1	4	4	45.4	15.3	3.31	1	3
22003	105137	1	3	3	5	2	2	1	9	1	2	121	154	50	17.0	1	5	4	39.3	15.8	3.68	1	3
22004	105138	1	3	3	7	2	2	1	9	1	2	121	154	50	22.0	1	5	4	39.7	15.8	3.55	1	3
22005	105139	1	3	3	5	2	2	1	9	1	2	130	163	55	22.0	1	5	4	38.2	16.5	3.50	1	3
22006	105140	1	3	3	3	2	2	1	9	1	2	121	155	50	22.0	1	5	4	39.4	15.7	3.54	1	3
22007	105141	1	3	3	5	2	2	1	9	1	2	123	156	40	28.0	1	5	4	41.7	15.8	3.57	1	3
22008	105142	1	3	3	5	2	2	1	9	1	2	121	155	45	20.0	1	5	4	39.5	15.7	3.54	1	3
22009	105143	1	3	3	3	2	2	1	9	1	2	122	156	40	17.0	1	5	4	37.7	16.9	3.49	1	3
22010	105144	1	3	3	5	2	2	1	9	1	2	123	155	45	21.0	1	5	4	40.2	16.4	3.51	2	3
22011	105145	1	3	3	5	2	2	1	9	1	2	124	155	45	26.0	1	5	4	41.0	15.5	3.49	1	3
22012	105146	2	3	3	7	2	2	1	9	1	2	123	155	50	21.0	1	5	4	40.3	14.9	3.63	1	3
22013	105147	1	3	3	5	2	2	1	1	1	2	121	156	45	28.0	1	5	4	41.0	15.9	3.43	2	3
22014	105148	1	3	3	7	2	2	2	7	2	3	121	153	50	22.0	1	5	4	43.5	12.0	4.16	1	3
22015	105149	1	3	3	3	2	2	2	7	2	3	121	153	55	21.0	1	5	4	43.4	14.3	3.50	1	3
22016	105150	1	3	3	5	2	2	2	1	1	2	121	153	50	19.0	1	5	4	41.7	12.4	4.27	1	3
22017	105151	1	3	3	5	2	2	2	7	1	3	121	153	50	24.0	1	5	4	42.4	13.8	3.64	1	3
22018	105152	1	3	3	9	2	2	2	7	2	3	121	153	55	22.0	1	5	4	42.5	13.3	3.98	1	3
22019	105153	1	3	3	5	2	2	2	7	2	3	122	153	50	20.0	1	5	4	42.6	13.8	3.45	1	3
22020	105154	-	3	3	5	2	2	2	9	1	2	123	154	45	21.0	1	5	4	43.4	14.6	3.60	1	3
22021	105155	1	3	3	9	2	2	1	9	1	2	124	155	50	24.0	1	5	4	42.6	15.4	3.56	1	3
22022	105156	2	3	3	7	2	2	2	9	1	2	120	154	45	30.0	1	5	4	40.7	14.9	3.69	1	3
22023	105157	1	3	3	7	2	2	2	9	1	2	123	154	50	21.0	1	5	4	39.9	14.3	3.59	1	3
22024	105158	2	3	3	3	2	2	1	3	1	4	123	156	50	24.0	1	5	4	48.2	17.5	3.27	1	3
22025	105159	2	3	3	3	2	2	1	3	1	4	124	155	45	20.0	1	5	4	47.2	15.4	3.70	1	3
22026	105160	2	3	3	3	2	2	1	3	1	4	127	156	50	22.0	1	5	4	51.0	16.5	3.43	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22027	105161	2	3	2	5	2	1	1	7	2	-	131	160	40	24.0	2	5	4	36.2	14.4	3.81	1	3
22028	105162	2	3	2	3	2	2	2	3	1	4	135	169	40	22.0	2	5	4	46.7	17.1	3.48	1	3
22029	105163	1	3	2	9	2	2	2	7	2	3	123	156	55	26.0	2	5	4	42.5	13.4	3.95	1	3
22030	105164	1	3	2	7	2	2	1	9	1	5	124	156	55	27.0	2	5	4	43.0	14.1	3.90	1	3
22031	105165	-	3	2	5	2	2	1	9	1	5	123	156	55	23.0	2	5	4	40.2	15.7	3.33	1	3
22032	105166	1	3	2	3	2	2	1	9	1	4	135	160	45	18.0	3	5	4	44.8	13.1	4.04	2	3
22033	105167	1	3	1	3	2	2	1	9	1	4	126	161	40	23.0	2	5	4	40.6	16.9	3.37	1	3
22034	105168	1	3	2	5	2	2	2	7	2	3	127	156	50	27.0	2	5	4	42.3	15.5	3.48	1	3
22035	105169	1	3	2	5	2	2	2	7	2	3	124	156	55	27.0	2	5	4	39.1	13.2	3.78	1	3
22036	105170	1	3	1	9	2	2	2	7	2	3	123	155	50	19.0	2	5	4	42.3	16.7	3.44	1	3
22037	105171	1	3	2	9	2	2	1	7	2	3	123	155	50	30.0	2	5	4	46.7	13.7	3.94	1	3
22038	105172	1	3	2	5	2	2	2	9	1	5	121	154	50	25.0	2	5	4	41.4	15.4	3.37	1	3
22039	105173	1	3	2	5	2	2	2	9	1	5	121	154	50	23.0	2	5	4	39.8	16.3	3.39	1	3
22040	105174	1	3	3	5	2	2	1	3	1	4	124	158	50	25.0	2	5	4	42.6	15.3	3.29	1	3
22041	105175	1	3	2	7	2	2	1	9	2	5	123	155	50	25.0	2	5	4	43.0	15.9	3.46	1	3
22042	105176	1	3	2	3	2	2	2	7	2	3	123	155	50	25.0	2	5	4	42.4	15.0	3.49	1	3
22043	105177	1	3	2	5	2	2	2	9	1	5	123	155	45	25.0	2	5	4	42.5	15.2	3.32	1	3
22044	105178	1	3	2	3	2	2	2	7	2	3	123	155	45	26.0	2	5	4	41.2	15.7	3.48	1	3
22045	105179	2	3	2	5	2	2	1	9	1	5	119	153	50	27.0	2	5	4	42.6	13.9	3.60	1	3
22046	105180	2	3	2	9	2	2	2	7	2	3	122	155	50	29.0	2	5	4	41.4	15.6	3.52	1	3
22047	105181	1	3	2	5	2	2	2	7	2	3	123	155	50	29.0	2	5	4	40.0	16.2	3.48	1	3
22048	105182	2	3	2	3	2	1	1	1	1	-	119	153	45	29.0	2	5	4	34.2	15.9	3.31	1	3
22049	105183	2	3	2	3	2	1	1	1	1	-	119	153	55	28.0	2	5	4	35.8	14.9	3.39	2	3
22050	105184	2	3	2	3	2	1	1	1	1	-	119	153	50	28.0	2	5	4	35.4	12.8	3.90	1	3
22051	105185	2	3	2	9	2	1	1	7	2	-	122	153	50	28.0	2	5	4	34.3	13.9	3.81	1	5
22052	105186	2	3	2	9	2	1	1	7	2	-	122	153	50	31.0	2	5	4	34.3	12.7	3.93	1	3
22053	105187	2	3	2	9	2	1	1	7	2	-	123	154	50	26.0	2	5	4	36.6	13.4	3.95	1	3
22054	105188	2	3	2	9	2	1	1	7	2	-	123	154	50	27.0	2	5	4	38.4	12.7	4.01	1	5
22055	105189	2	3	2	9	2	1	1	7	2	-	124	154	50	26.0	2	5	4	36.0	14.6	3.49	1	3
22056	105190	2	3	2	7	2	2	1	9	1	5	-	155	60	25.0	2	5	4	45.0	14.3	3.45	1	3
22057	105191	2	3	2	5	2	2	1	9	1	2	123	155	50	26.0	2	5	4	37.8	13.9	3.88	1	3
22058	105192	1	3	2	3	2	2	2	3	1	4	124	154	50	22.0	2	5	4	41.5	15.2	3.40	1	3
22059	105193	2	3	2	3	2	2	1	3	1	4	126	155	55	29.0	3	5	4	48.2	15.3	3.62	1	3
22060	105194	2	3	2	3	2	2	1	3	1	4	124	155	50	27.0	3	5	4	47.6	13.2	4.01	1	3
22061	105195	2	3	2	3	2	2	1	3	1	4	119	154	55	29.0	3	5	4	48.9	14.1	3.69	1	3
22062	105196	1	3	2	5	2	2	1	3	1	4	123	156	50	28.0	3	5	4	50.3	-	-	1	3
22063	105197	2	3	2	5	2	2	1	3	1	4	123	155	50	27.0	3	5	4	50.3	14.9	3.56	1	3
22064	105198	2	3	2	5	2	2	1	3	1	4	121	154	50	33.0	3	5	4	48.5	13.9	4.02	1	3
22065	105199	2	3	2	3	2	2	1	3	1	4	122	154	55	27.0	3	5	4	48.0	14.3	3.98	2	3
22066	105200	1	3	2	3	2	2	1	3	1	4	123	154	50	25.0	3	5	4	48.0	14.0	3.71	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22067	105201	2	3	2	3	2	2	1	3	1	4	127	155	50	26.0	3	5	4	49.8	14.8	3.91	1	3
22068	105202	2	3	2	3	2	2	1	3	1	4	127	155	50	24.0	3	5	4	50.2	14.2	3.66	1	3
22069	105203	2	3	2	3	2	2	1	3	1	4	130	155	50	31.0	3	5	4	54.0	15.1	3.84	1	3
22070	105204	1	3	2	3	2	2	1	3	1	4	124	155	45	28.0	3	5	4	50.5	14.8	3.50	1	3
22071	105205	2	3	2	3	2	2	1	3	1	4	126	154	50	27.0	3	5	4	50.7	14.7	3.56	1	3
22072	105206	2	3	2	3	2	2	1	3	1	4	126	156	50	25.0	3	5	4	47.1	13.6	4.11	1	3
22073	105207	2	3	2	5	2	2	2	3	1	4	124	155	50	23.0	3	5	4	52.2	13.8	3.98	1	3
22074	105208	2	3	2	7	2	2	1	7	2	3	122	153	50	23.0	2	4	4	50.5	14.4	3.57	1	3
22075	105209	2	3	2	7	2	2	1	7	2	3	130	156	45	25.0	2	4	4	50.3	13.2	3.72	1	3
22076	105210	2	3	2	9	2	2	1	7	2	3	118	153	50	25.0	2	5	4	45.2	14.4	3.68	1	3
22077	105211	1	3	2	5	2	2	2	1	1	2	128	155	50	26.0	2	5	4	43.8	14.5	3.49	1	3
22078	105212	2	3	2	3	2	2	1	3	1	4	130	160	45	22.0	2	5	4	47.4	14.6	3.83	1	3
22079	105213	2	3	2	3	2	2	1	1	1	4	135	161	50	25.0	2	5	4	46.2	15.2	3.68	1	3
22080	105214	2	3	2	5	2	2	1	3	1	4	130	156	40	25.0	2	5	4	47.9	17.0	3.43	1	3
22081	105215	2	3	2	5	2	2	1	1	1	4	130	160	45	25.0	2	5	4	47.2	14.5	3.79	1	3
22082	105216	2	3	2	3	2	2	1	3	1	4	129	160	45	25.0	2	5	4	47.2	14.1	3.82	1	3
22083	105217	1	3	2	9	2	2	2	7	2	3	131	161	50	21.0	2	5	4	49.5	17.7	3.55	1	3
22084	105218	2	3	2	5	2	2	1	-	1	4	134	161	50	31.0	3	5	4	55.8	-	-	1	3
22085	105219	2	3	2	5	2	2	1	3	1	4	127	160	55	29.0	3	5	4	57.9	15.3	3.72	1	3
22086	105220	2	3	2	5	2	2	1	3	1	4	127	160	55	22.0	3	5	4	57.1	15.8	3.79	1	3
22087	105221	2	3	2	5	2	2	1	3	1	4	127	161	50	27.0	3	5	4	57.6	16.7	3.71	1	3
22088	105222	2	3	2	5	2	2	1	3	1	4	127	159	50	24.0	3	5	4	56.8	16.5	3.69	1	3
22089	105223	2	3	2	5	2	2	1	3	1	4	127	161	50	22.0	3	5	4	57.6	-	-	1	3
22090	105224	2	3	2	3	2	2	1	3	1	4	127	160	50	22.0	2	5	4	51.3	14.3	3.91	1	3
22091	105225	2	3	2	5	2	2	1	3	1	4	130	160	55	23.0	2	5	4	53.6	16.8	3.69	1	3
22092	105226	2	3	2	5	2	2	1	3	1	4	127	161	55	22.0	3	5	4	54.5	15.7	3.62	1	3
22093	105227	2	3	2	5	2	2	1	3	1	4	127	160	50	24.0	3	5	4	54.4	16.5	3.47	1	3
22094	105228	2	3	2	5	2	2	1	3	1	4	127	160	50	23.0	3	5	4	54.5	16.8	3.63	1	3
22095	105229	2	3	2	3	2	2	1	3	1	4	127	160	50	30.0	3	5	4	54.9	16.3	3.68	1	3
22096	105230	2	3	2	5	2	2	1	3	1	4	127	161	50	27.0	3	5	4	57.7	16.6	3.42	1	3
22097	105231	2	3	2	3	2	2	1	3	1	4	135	160	50	27.0	3	5	4	52.2	17.3	3.39	1	3
22098	105232	2	3	2	5	2	2	1	3	1	4	135	160	50	34.0	3	5	4	54.6	17.0	3.64	1	3
22099	105233	2	3	2	5	2	1	1	3	1	-	130	160	40	23.0	3	5	4	40.4	16.7	3.36	1	3
22100	105234	2	3	2	5	2	1	1	3	1	-	130	160	45	25.0	3	5	4	40.9	16.4	3.41	1	3
22101	105235	2	3	2	3	2	1	1	3	1	-	130	159	40	29.0	3	5	4	41.3	13.9	3.95	1	3
22102	105236	2	3	2	5	2	1	1	3	1	-	140	161	35	24.0	2	5	4	37.1	13.6	3.89	1	3
22103	105237	2	3	2	5	2	1	1	3	1	-	131	160	40	26.0	2	5	4	39.8	14.0	3.85	1	3
22104	105238	2	3	2	1	2	1	1	3	1	-	135	161	40	27.0	2	5	4	38.0	13.5	3.92	1	3
22105	105239	2	3	2	5	2	1	1	3	1	-	131	160	35	23.0	3	5	4	39.3	14.4	3.75	1	3
22106	105240	2	3	2	5	2	1	1	3	-	-	135	161	40	27.0	2	5	4	38.9	16.6	3.39	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22107	105241	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.2	3.80	-	-
22108	105242	2	3	2	3	2	1	1	3	1	-	131	160	40	28.0	3	5	4	41.3	14.8	3.78	1	3
22109	105243	2	3	2	3	2	1	1	3	1	-	134	161	40	28.0	2	5	4	38.0	17.7	3.25	1	3
22110	105244	2	3	2	5	2	1	1	3	1	-	134	162	40	26.0	2	5	4	36.7	18.3	3.32	1	3
22111	105245	1	3	2	3	2	1	1	3	1	-	130	160	40	26.0	3	5	4	40.3	16.6	3.41	1	3
22112	105246	2	3	2	5	2	1	1	3	1	-	129	158	40	19.0	3	5	4	39.2	14.5	3.79	1	3
22113	105247	2	3	2	3	2	1	1	3	1	-	131	159	45	24.0	2	5	4	40.6	14.4	3.81	1	3
22114	105248	2	2	2	5	2	1	1	3	1	-	135	162	40	-	2	5	4	34.2	14.2	3.94	1	3
22115	105249	2	3	2	5	2	1	1	3	1	-	130	161	40	24.0	2	5	4	37.0	15.1	3.77	1	3
22116	105250	2	3	2	3	2	1	1	3	1	-	129	158	40	29.0	2	5	4	40.5	17.1	3.28	1	3
22117	105251	2	3	2	3	2	1	1	3	1	-	129	159	40	22.0	2	5	4	39.8	15.9	3.71	1	3
22118	105252	2	3	2	5	2	1	1	3	1	-	129	160	40	24.0	2	5	4	39.6	15.1	3.84	1	3
22119	105253	2	3	2	5	2	1	1	3	1	-	130	160	40	19.0	2	5	4	39.4	14.0	4.00	1	3
22120	105254	2	3	2	3	2	1	1	3	1	-	130	159	35	20.0	2	5	4	40.0	14.4	3.81	2	3
22121	105255	2	3	2	3	2	1	1	3	1	-	130	160	45	23.0	3	5	4	39.7	14.0	3.92	1	3
22122	105256	2	3	2	5	2	1	1	3	1	-	129	159	45	24.0	3	5	4	39.8	14.7	3.80	1	3
22123	105257	2	3	2	3	2	1	1	3	1	-	130	159	40	22.0	3	5	4	39.1	14.5	3.86	1	3
22124	105258	2	3	2	5	2	1	1	3	1	-	130	160	40	23.0	3	5	4	39.1	16.7	3.42	1	3
22125	105259	2	3	2	3	2	1	1	3	1	-	130	160	40	23.0	3	5	4	40.3	14.4	3.81	1	3
22126	105260	2	3	2	3	2	1	1	3	1	-	129	160	40	20.0	3	5	4	39.2	15.1	3.77	1	3
22127	105261	2	2	2	5	2	1	1	3	1	-	129	161	40	32.0	3	5	4	41.3	16.5	3.40	1	3
22128	105262	2	3	2	5	2	2	1	3	1	4	134	161	45	22.0	2	5	4	43.6	15.7	3.51	1	3
22129	105263	2	3	2	5	2	1	1	3	1	-	130	160	35	23.0	3	5	4	40.0	14.3	3.84	1	3
22130	105264	2	3	2	5	2	1	1	3	1	-	129	160	40	23.0	2	5	4	40.0	14.4	3.88	1	3
22131	105265	2	3	2	5	2	2	1	3	1	4	134	161	50	22.0	2	5	4	53.4	16.6	3.43	1	3
22132	105266	2	3	2	5	2	1	1	3	1	-	130	160	40	20.0	3	5	4	38.0	15.9	3.71	1	3
22133	105267	2	3	2	5	2	1	1	3	1	-	129	160	40	24.0	3	5	4	39.5	16.3	3.36	1	3
22134	105268	2	3	2	5	2	1	1	3	1	-	129	158	40	23.0	3	5	4	39.3	14.6	3.83	2	3
22135	105269	2	3	2	3	2	2	2	3	1	4	130	162	45	22.0	2	5	4	46.5	14.5	3.79	1	3
22136	105270	2	3	2	5	2	1	1	3	1	-	129	158	40	23.0	2	5	4	41.5	14.2	3.87	1	3
22137	105271	2	3	2	3	2	2	1	3	1	4	134	162	40	22.0	2	5	4	49.8	15.3	3.52	1	3
22138	105272	2	3	2	1	2	1	1	3	1	-	135	161	35	19.0	3	5	4	32.5	21.6	2.95	1	3
22139	105273	2	3	2	5	2	2	1	3	1	4	130	160	45	22.0	2	5	4	46.4	15.3	3.79	1	3
22140	105274	2	3	2	9	2	2	2	7	2	3	135	159	50	20.0	2	5	4	44.0	16.7	3.71	1	3
22141	105275	2	2	2	3	2	1	1	3	1	-	130	160	50	25.0	2	5	4	41.2	12.5	4.16	1	3
22142	105276	2	2	2	1	2	1	-	9	1	-	134	161	45	17.0	2	5	4	45.2	17.3	3.41	1	3
22143	105277	2	2	2	9	2	1	1	7	2	-	135	160	40	20.0	2	5	4	39.6	16.8	3.36	1	3
22144	105278	2	2	2	9	2	1	1	7	2	-	135	161	40	22.0	2	5	4	36.2	15.6	3.65	1	3
22145	105279	2	2	2	9	2	1	1	7	2	-	134	162	45	20.0	2	5	4	36.9	16.6	3.61	1	3
22146	105280	2	3	2	9	2	2	2	7	2	3	131	158	50	19.0	2	5	4	43.3	17.7	3.55	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GOO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22147	105281	2	3	2	3	2	2	1	3	1	4	127	161	50	23.0	2	5	4	48.4	15.3	3.72	1	3
22148	105282	2	3	3	3	2	2	1	1	1	4	129	157	50	20.0	1	5	4	46.9	17.3	3.58	1	3
22149	105283	2	3	3	7	2	2	1	1	1	2	126	157	60	24.0	1	5	4	44.5	15.9	3.41	1	3
22150	105284	2	3	2	9	2	2	2	7	2	3	127	161	60	18.0	3	5	4	45.5	16.4	3.71	1	3
22151	105285	2	3	2	3	2	2	1	3	1	4	127	159	50	24.0	2	5	4	48.0	15.8	3.50	1	3
22152	105286	2	3	2	3	2	2	1	3	1	4	139	166	50	19.0	2	5	4	40.3	16.9	3.55	1	3
22153	105287	2	3	2	3	2	2	1	3	1	4	131	162	50	16.0	2	5	4	49.1	16.1	3.41	1	3
22154	105288	2	3	2	5	2	2	1	3	1	4	130	158	55	16.0	2	5	4	52.6	15.0	3.46	1	3
22155	105289	2	3	2	5	2	2	1	3	1	4	130	161	55	17.0	2	5	4	49.1	14.8	3.78	1	3
22156	105290	2	3	2	5	2	2	1	3	1	4	134	161	50	20.0	2	5	4	46.4	15.1	3.77	1	3
22157	105291	2	3	2	3	2	2	1	3	1	4	131	161	55	22.0	2	5	4	46.0	15.4	3.76	1	3
22158	105292	2	3	2	3	2	2	1	3	1	4	131	162	60	24.0	2	5	4	47.0	14.3	3.84	1	3
22159	105293	2	3	2	1	2	2	1	3	1	4	134	166	55	19.0	2	5	4	44.1	13.3	3.98	1	3
22160	105294	2	3	2	5	2	2	1	9	1	-	123	160	60	19.0	2	5	4	51.1	-	-	1	3
22161	105295	2	3	2	5	2	2	1	3	1	4	129	161	50	17.0	2	5	4	48.9	14.1	3.90	1	3
22162	105296	2	3	2	5	2	2	1	3	1	4	130	160	55	22.0	2	5	4	47.5	14.9	3.75	1	3
22163	105297	2	3	2	3	2	2	1	3	1	4	127	160	50	14.0	2	5	4	48.8	14.4	3.75	1	3
22164	105298	2	3	2	5	2	2	1	3	1	4	134	161	50	17.0	2	5	4	51.4	14.2	3.80	1	3
22165	105299	2	3	2	3	2	2	1	3	1	2	130	161	50	22.0	2	5	4	42.9	15.5	3.48	1	3
22166	105300	2	3	2	5	2	2	1	9	1	4	129	159	40	19.0	2	5	4	48.9	15.4	3.76	1	3
22167	105301	2	3	2	5	2	2	1	9	1	2	135	160	45	17.0	1	5	4	43.7	17.3	3.31	1	3
22168	105302	2	3	2	3	2	2	1	3	1	4	130	160	45	17.0	1	5	4	49.5	15.8	3.38	1	3
22169	105303	2	3	2	3	2	2	1	3	1	4	123	161	50	22.0	2	5	4	46.1	15.2	3.70	1	3
22170	105304	2	3	2	7	2	2	1	9	1	2	127	157	50	15.0	2	5	4	48.0	15.4	3.59	1	3
22171	105305	2	3	2	5	2	2	1	-	1	2	135	162	50	16.0	2	5	4	44.4	17.1	3.47	1	3
22172	105306	2	3	2	3	2	2	1	3	1	4	145	161	50	18.0	1	5	4	36.8	17.9	3.44	1	3
22173	105307	2	3	2	5	2	2	1	-	1	2	156	168	50	15.0	1	5	4	39.6	17.8	3.44	1	3
22174	105308	2	3	2	5	2	2	1	3	1	4	135	168	50	22.0	1	5	4	49.0	16.5	3.53	1	3
22175	105309	2	3	2	5	2	2	1	3	1	4	152	168	55	20.0	2	5	4	44.0	17.1	3.47	1	3
22176	105310	2	3	2	9	2	2	1	7	2	3	147	160	45	17.0	2	5	4	42.8	17.5	3.42	1	3
22177	105311	2	3	2	5	2	2	1	3	1	4	135	160	50	19.0	2	5	4	49.5	16.2	3.42	1	3
22178	105312	2	3	2	5	2	2	1	3	1	4	131	158	50	20.0	2	5	4	50.7	16.0	3.47	1	3
22179	105313	2	2	2	7	2	2	1	9	1	2	141	160	50	13.0	2	5	4	41.8	17.5	3.45	1	3
22180	105314	2	2	2	3	2	2	2	3	1	4	135	161	50	20.0	2	5	4	39.0	12.6	3.71	1	3
22182	105315	2	2	2	3	2	2	2	3	1	4	135	161	50	22.0	2	5	4	40.0	12.5	3.95	1	3
22183	105316	2	2	2	3	2	2	2	3	1	4	135	161	50	23.0	3	5	4	39.3	13.2	3.63	1	3
22184	105317	2	2	2	5	2	2	2	3	1	4	135	161	50	30.0	3	5	4	38.4	12.7	3.68	1	3
22185	105318	2	2	2	5	2	2	2	3	1	4	135	160	50	24.0	2	5	4	39.7	12.9	3.77	1	3
22186	105319	2	3	2	7	2	2	1	9	1	5	127	156	60	24.0	2	5	4	56.7	13.9	3.61	1	3
22187	105320	2	3	2	5	2	1	1	3	1	-	126	154	50	24.0	2	5	4	45.6	15.4	3.48	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22188	105321	2	3	2	5	2	1	1	3	1	-	130	157	40	21.0	2	5	4	41.5	16.4	3.36	1	3
22189	105322	2	3	2	5	2	1	1	3	1	-	123	154	45	20.0	2	5	4	45.4	-	-	1	3
22190	105323	2	3	2	7	2	1	1	3	1	-	127	155	40	17.0	2	5	4	39.9	17.2	3.34	1	3
22191	105324	2	3	2	5	2	1	1	3	1	-	129	160	40	18.0	2	5	4	40.1	15.1	3.54	1	3
22192	105325	2	3	1	5	2	1	1	3	-	-	129	159	50	22.0	2	5	4	38.0	15.3	3.51	1	3
22193	105326	-	3	1	3	2	2	2	3	1	4	123	155	50	23.0	2	5	4	38.4	13.4	3.53	1	3
22194	105327	1	3	3	5	2	2	2	7	2	3	116	149	50	23.0	1	5	4	37.0	13.5	3.86	1	3
22195	105328	1	3	1	3	2	2	2	9	1	4	123	156	50	17.0	2	5	4	42.0	14.4	3.63	1	3
22196	105329	1	3	3	5	2	2	1	9	1	2	121	154	50	20.0	1	5	4	41.4	14.6	3.52	1	3
22197	105330	1	3	-	5	2	2	2	7	1	-	118	155	45	21.0	-	5	4	38.4	13.9	3.60	1	3
22198	105331	1	3	1	5	2	2	2	3	1	-	124	156	50	19.0	-	5	4	41.8	14.4	3.61	1	3
22199	105332	1	3	-	5	2	2	1	3	1	2	124	154	50	20.0	-	5	4	41.8	15.3	3.52	1	3
22200	105333	-	3	1	3	2	2	2	3	1	4	122	155	50	19.0	3	5	4	34.4	12.6	3.87	1	3
22201	105334	1	3	1	3	2	2	2	5	1	4	123	154	55	20.0	3	5	4	37.9	12.9	3.84	1	3
22202	105335	2	3	3	3	2	2	2	7	2	3	117	151	55	24.0	1	5	4	41.1	12.9	3.78	1	3
22203	105336	2	3	3	9	2	2	2	7	2	3	117	150	55	27.0	1	5	4	41.1	13.7	3.60	1	3
22204	105337	2	3	3	9	2	2	1	3	1	2	124	156	50	23.0	1	5	4	45.3	14.4	3.56	1	3
22205	105338	2	3	3	3	2	2	2	3	1	2	122	154	50	23.0	1	5	4	41.5	14.8	3.46	1	3
22206	105339	2	3	3	3	2	2	1	3	1	4	117	143	50	23.0	1	5	4	36.8	12.6	3.93	1	3
22207	105340	2	3	3	3	2	2	1	9	1	2	140	168	55	20.0	1	5	4	40.8	16.3	3.51	1	3
22208	105341	2	3	3	3	2	2	1	9	1	2	139	168	55	14.0	1	5	4	42.1	16.3	3.55	1	3
22209	105342	2	3	2	5	2	2	1	7	2	3	135	168	50	14.0	2	5	4	45.7	16.6	3.51	1	3
22210	105343	2	3	2	7	2	2	1	7	1	-	130	157	50	22.0	2	5	4	49.8	14.6	3.57	1	3
22211	105344	2	3	2	7	2	2	2	7	2	-	131	160	60	16.0	2	5	4	47.9	16.7	3.48	1	5
22212	105345	2	3	2	9	2	2	2	9	1	2	126	157	60	16.0	2	5	4	49.0	16.2	3.46	1	5
22213	105346	2	3	3	3	2	2	1	3	1	4	135	160	55	20.0	1	5	4	48.3	17.2	3.54	1	3
22214	105347	2	3	3	5	2	2	1	9	1	2	141	158	50	15.0	1	5	4	43.9	17.4	3.36	1	3
22215	105348	1	3	3	7	2	2	1	9	1	2	139	157	50	20.0	1	5	4	47.6	15.5	3.51	1	3
22216	105349	2	3	3	5	2	2	1	9	1	2	140	161	40	19.0	1	5	4	44.3	16.6	3.47	1	3
22217	105350	2	3	2	5	2	2	1	3	1	4	135	160	40	21.0	2	5	4	53.9	16.5	3.49	1	3
22218	105351	2	3	2	5	2	2	1	3	1	4	134	160	50	20.0	2	5	4	55.9	16.7	3.47	1	3
22219	105352	2	3	3	5	2	2	1	9	1	2	140	160	50	16.0	1	5	4	46.2	16.1	3.54	1	3
22220	105353	1	3	3	5	2	2	1	9	1	-	135	158	50	20.0	1	5	4	46.9	17.5	3.33	1	3
22221	105354	2	3	1	5	2	2	1	3	1	4	125	160	50	19.0	2	5	4	39.7	14.6	3.52	1	3
22222	105355	2	3	3	5	2	2	1	3	1	2	139	160	40	14.0	1	5	4	46.7	17.4	3.41	1	3
22223	105356	1	3	2	3	2	2	1	5	1	4	131	162	55	16.0	1	5	4	41.3	17.7	3.40	1	3
22224	105357	2	3	2	5	2	2	1	3	1	2	135	166	55	17.0	1	5	4	40.4	16.3	3.58	1	3
22225	105358	1	3	2	9	2	2	1	9	1	2	130	157	55	19.0	2	5	4	46.5	16.4	3.37	1	3
22226	105359	2	3	2	3	2	2	1	3	1	4	138	166	50	17.0	2	5	4	45.0	17.2	3.45	1	3
22227	105360	1	3	2	9	2	2	1	7	2	3	139	160	50	17.0	2	5	4	44.8	18.0	3.44	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22228	105361	1	3	2	9	2	2	1	7	2	3	146	160	45	17.0	2	5	4	40.8	17.5	3.52	1	3
22229	105362	1	3	3	7	2	2	1	9	1	2	132	158	50	20.0	1	5	4	50.6	15.5	3.54	1	3
22230	105363	2	3	2	7	2	2	1	9	1	5	134	160	45	16.0	2	5	4	57.4	15.3	3.59	1	3
22231	105364	1	3	3	3	2	2	1	9	1	2	135	160	50	22.0	1	5	4	47.6	14.7	3.58	1	3
22231	105365	2	3	3	5	2	2	2	9	1	2	130	161	50	20.0	1	5	4	49.2	15.3	3.59	1	3
22232	105366	1	3	-	5	2	2	2	3	1	4	125	155	55	24.0	2	5	4	42.8	13.4	3.56	1	3
22233	105367	1	3	1	5	2	2	2	7	2	3	124	155	55	18.0	2	5	4	35.7	15.1	3.52	1	3
22234	105368	2	3	1	7	2	2	2	7	2	3	123	154	55	17.0	2	5	4	35.0	13.7	3.62	1	3
22235	105369	1	3	1	1	2	2	1	3	1	4	124	155	55	18.0	2	5	4	40.4	12.2	3.94	1	3
22236	105370	2	3	1	5	2	2	2	7	2	3	123	154	55	22.0	2	5	4	41.7	12.1	3.87	1	3
22237	105371	1	3	1	1	2	2	1	9	1	2	122	152	55	20.0	2	5	4	34.1	13.2	3.68	1	3
22238	105372	2	3	1	9	2	2	1	7	2	3	123	155	60	18.0	2	5	4	37.8	12.0	3.86	1	3
22239	105373	2	3	1	5	2	2	1	9	1	2	126	156	50	20.0	2	5	4	41.0	12.4	3.74	1	3
22240	105374	2	3	1	5	2	2	1	3	1	4	126	155	50	21.0	2	5	4	37.8	12.7	3.78	1	3
22241	105375	2	3	1	9	2	2	1	7	2	3	123	156	60	24.0	2	5	4	40.6	12.6	3.81	1	3
22242	105376	-	3	1	5	2	2	1	7	2	3	124	155	55	20.0	2	5	4	41.8	11.7	3.92	1	5
22243	105377	1	3	1	3	2	2	1	7	2	3	120	153	60	21.0	2	5	4	34.3	12.7	3.69	1	3
22244	105378	1	3	1	3	2	2	2	3	1	4	119	152	50	24.0	2	5	4	31.4	12.8	3.64	1	3
22245	105379	3	3	1	7	2	2	1	7	2	3	131	160	50	23.0	3	5	4	38.2	14.1	3.67	1	3
22246	105380	1	3	1	3	2	2	2	3	1	4	125	156	40	19.0	2	5	4	36.8	14.9	3.46	1	3
22247	105381	1	3	1	5	2	2	1	7	2	3	119	153	50	20.0	2	5	4	31.1	13.7	3.66	1	3
22248	105382	2	3	1	9	2	2	1	7	2	3	120	155	55	22.0	2	5	4	35.5	12.9	3.71	1	3
22249	105383	2	3	1	3	2	2	1	5	1	4	123	155	50	23.0	2	5	4	42.6	14.0	3.50	1	3
22250	105384	2	3	1	9	2	2	1	7	2	3	124	155	50	13.0	2	5	4	38.3	13.4	3.65	1	3
22251	105385	2	3	1	5	2	2	1	3	1	4	131	161	45	19.0	2	5	4	43.6	15.4	3.59	1	3
22252	105386	2	3	1	5	2	2	1	3	1	4	123	154	45	17.0	2	5	4	32.3	13.0	3.66	1	3
22253	105387	2	3	1	5	2	2	1	3	1	4	132	161	50	21.6	2	5	4	43.8	15.5	3.56	1	3
22254	105388	2	3	1	3	2	2	1	3	1	4	131	160	50	17.0	2	5	4	42.4	16.1	3.46	1	3
22255	105389	2	3	3	5	2	2	1	9	1	2	127	158	45	19.0	1	5	4	48.9	14.0	3.63	1	3
22256	105390	2	3	3	5	2	2	1	9	1	2	127	157	45	25.0	1	5	4	45.0	14.4	3.53	1	3
22257	105391	2	3	1	7	2	2	2	5	1	5	127	158	55	20.0	2	5	4	42.2	13.9	3.60	1	3
22258	105392	1	3	1	3	2	2	1	5	1	4	125	157	50	23.0	2	5	4	38.4	13.0	3.73	1	3
22259	105393	2	3	1	7	2	2	1	9	1	2	126	157	50	14.0	2	5	4	39.5	13.3	3.56	1	3
22260	105394	2	3	1	5	2	2	1	5	1	4	130	160	50	17.0	2	5	4	39.3	13.9	3.67	1	3
22261	105395	2	2	1	3	2	2	1	5	1	2	132	161	50	14.0	2	5	4	35.8	14.1	3.66	1	3
22262	105396	2	3	1	5	2	2	1	3	1	2	132	161	-	19.0	2	5	4	43.5	15.4	3.64	1	3
22263	105397	2	3	1	5	2	2	2	3	1	4	121	153	50	20.0	2	5	4	35.1	13.2	3.65	1	3
22264	105398	2	3	3	7	2	2	1	9	1	2	132	157	40	17.0	1	5	4	46.2	13.9	3.60	1	3
22265	105399	2	3	1	7	2	2	1	7	1	5	126	160	50	19.0	2	5	4	37.2	14.2	3.68	1	3
22266	105400	2	3	1	5	2	2	2	9	1	2	125	156	50	19.0	2	5	4	37.8	12.8	3.75	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22267	105401	2	3	1	3	2	2	1	3	1	4	126	157	45	17.0	2	5	4	37.7	12.9	3.78	1	3
22268	105402	1	3	1	3	2	2	1	3	1	4	126	157	50	18.0	2	5	4	37.9	13.5	3.63	1	3
22269	105403	2	3	1	3	2	2	2	3	1	4	123	153	50	19.0	2	5	4	34.6	13.1	3.62	1	3
22270	105404	1	3	1	5	2	2	1	3	1	4	126	157	50	17.0	2	5	4	35.9	13.0	3.68	2	3
22271	105405	2	3	1	7	2	2	1	7	2	3	124	158	45	17.0	2	5	4	33.7	15.0	3.52	1	3
22272	105406	2	3	1	5	2	2	1	3	1	4	132	162	55	16.0	2	5	4	44.0	16.9	3.42	1	3
22273	105407	2	3	3	5	2	2	1	9	1	2	131	158	40	19.0	1	5	4	47.1	13.9	3.52	1	3
22274	105408	2	3	3	5	2	2	1	9	1	-	132	161	50	21.0	1	5	4	48.4	14.8	3.62	1	3
22275	105409	2	2	3	5	2	2	1	9	1	2	135	162	45	23.0	1	5	4	44.8	15.8	3.51	1	3
22276	105410	2	3	1	7	2	2	1	9	1	2	130	155	50	17.0	2	5	4	37.3	13.7	3.58	1	3
22277	105411	1	3	1	7	2	2	1	7	2	5	133	158	50	17.0	2	5	4	38.4	14.3	3.55	1	3
22278	105412	1	3	1	5	2	2	1	9	1	4	126	157	50	20.0	2	5	4	37.3	12.9	3.83	1	3
22279	105413	2	3	1	5	2	2	2	3	1	4	123	155	50	19.0	2	5	4	35.8	14.0	3.52	1	3
22280	105414	2	3	-	5	2	2	2	3	1	2	126	157	50	19.0	2	5	4	35.6	13.7	3.55	1	3
22281	105415	2	3	1	9	2	2	1	7	2	3	124	155	60	19.0	2	5	4	40.7	11.7	4.04	1	3
22282	105416	2	3	1	5	2	2	2	3	1	4	122	154	50	17.0	2	5	4	37.8	15.7	3.45	1	3
22283	105417	1	3	1	1	2	2	1	5	1	4	127	156	50	19.0	2	5	4	36.9	12.5	3.89	1	3
22284	105418	2	3	1	5	2	2	1	9	1	2	123	160	55	16.0	2	5	4	41.6	14.0	3.62	1	3
22285	105419	2	3	1	5	2	2	1	3	1	4	125	156	55	17.0	2	5	4	40.7	13.6	3.73	1	3
22286	105420	2	2	3	5	2	2	1	3	1	2	140	160	45	17.0	1	5	4	48.5	15.6	3.59	1	3
22287	105421	1	3	3	7	2	2	1	9	1	2	123	157	50	16.0	1	5	4	45.5	15.1	3.44	1	3
22288	105422	1	3	1	3	2	2	1	3	1	4	121	155	60	20.0	2	5	4	37.1	14.0	3.51	1	3
22289	105423	2	3	3	9	2	2	1	9	1	2	124	157	50	20.0	1	5	4	42.9	15.3	3.47	1	3
22290	105424	1	3	-	3	2	2	1	3	1	4	141	162	50	-	-	5	-	33.8	16.8	3.42	1	3
22291	105425	2	3	3	3	2	2	1	3	1	4	140	162	50	19.0	1	5	4	36.5	17.2	3.42	1	3
22292	105426	1	3	3	5	2	2	1	7	2	3	135	160	55	18.0	1	5	4	36.8	17.6	3.35	1	3
22293	105427	1	3	1	9	2	2	1	7	2	3	126	156	60	16.0	2	5	4	38.8	15.6	3.53	2	3
22294	105428	1	3	1	9	2	2	1	7	2	3	127	156	50	19.0	2	5	4	35.9	16.0	3.45	1	3
22295	105429	1	3	1	9	2	2	1	7	2	3	124	157	55	17.0	2	5	4	38.1	17.1	3.34	1	3
22296	105430	1	3	1	5	2	2	1	3	1	4	135	161	55	19.0	2	5	4	34.8	15.5	3.55	1	3
22297	105431	1	3	1	5	2	2	1	3	1	4	135	161	50	16.0	2	5	4	36.2	15.2	3.66	1	3
22298	105432	1	3	1	5	2	2	1	3	1	4	135	161	60	19.0	2	5	4	38.4	16.1	3.50	1	3
22299	105433	-	3	-	5	2	2	1	3	1	4	140	162	50	-	1	5	4	44.0	15.4	3.62	1	3
22300	105434	1	3	1	9	2	2	1	7	2	3	126	158	55	17.0	2	5	4	37.0	13.4	3.75	1	5
22301	105435	1	3	1	5	2	2	2	3	1	4	131	160	50	20.0	2	5	4	37.5	14.4	3.61	1	3
22302	105436	1	3	1	5	2	2	1	3	1	4	129	158	50	15.0	2	5	4	44.4	15.4	3.54	1	3
22303	105437	2	3	1	5	2	2	1	3	1	4	130	162	55	18.0	2	5	4	43.7	14.4	3.69	1	3
22304	105438	2	2	1	5	2	2	1	3	1	4	135	164	45	14.0	2	5	4	42.3	15.5	3.62	1	3
22305	105439	2	2	3	5	2	2	1	3	1	4	139	166	45	20.0	1	5	4	39.5	15.8	3.64	2	3
22306	105440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22307	105441	2	3	1	1	2	2	1	3	1	4	135	162	60	18.0	2	5	4	38.9	15.9	3.54	1	3
22308	105442	2	3	1	7	2	2	1	7	2	3	134	162	60	20.0	2	5	4	41.1	14.4	3.69	1	3
22309	105443	2	3	1	5	2	2	1	7	1	2	134	162	60	19.0	2	5	4	43.0	15.7	3.51	1	3
22310	105444	2	3	1	5	2	2	1	7	2	3	135	166	60	17.0	2	5	4	38.3	14.1	3.82	1	3
22311	105445	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22312	105446	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22313	105447	1	2	1	5	2	2	1	3	1	2	140	168	50	15.0	2	5	4	32.4	16.3	3.56	1	3
22314	105448	2	2	1	5	2	2	1	7	2	3	140	168	50	18.0	2	5	4	32.9	16.1	3.58	1	3
22315	105449	2	2	1	5	2	2	1	7	2	3	141	168	50	16.0	2	5	4	34.4	14.8	3.73	1	3
22316	105450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22317	105451	2	3	1	5	2	2	1	-	1	2	135	168	50	17.0	2	5	4	36.7	14.1	3.75	1	3
22318	105452	2	3	1	5	2	2	1	3	1	4	131	164	50	23.0	2	5	4	42.4	14.1	3.68	1	3
22319	105453	2	3	1	5	2	2	1	3	1	4	135	165	55	20.0	2	5	4	43.5	14.4	3.71	2	3
22320	105454	2	3	1	5	2	2	1	3	1	4	131	161	55	15.0	2	5	4	43.9	14.7	3.57	1	3
22321	105455	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	38.9	-	-	-	-
22322	105456	2	2	3	5	2	2	1	3	1	4	136	166	45	20.0	1	5	4	39.1	15.5	3.65	1	3
22323	105457	2	3	1	3	2	2	1	9	1	2	129	158	50	19.0	2	5	4	39.5	13.9	3.72	1	3
22324	105458	2	3	1	3	2	2	1	3	1	4	130	161	60	20.0	2	5	4	43.7	14.5	3.64	1	3
22325	105459	2	2	1	1	2	2	1	3	1	4	135	169	60	17.0	2	5	4	29.1	15.9	3.62	1	3
22326	105460	2	3	1	5	2	2	1	3	1	4	130	161	60	19.0	2	5	4	41.9	14.4	3.73	1	3
22327	105461	1	3	1	5	2	2	1	-	1	2	131	167	60	18.0	2	5	4	39.1	14.1	3.76	2	3
22328	105462	2	3	-	5	2	2	1	3	1	4	140	169	55	18.0	2	5	4	38.4	15.9	3.64	1	3
22329	105463	1	3	-	5	2	2	1	-	1	2	130	161	60	22.0	2	5	4	51.4	14.2	3.74	2	3
22330	105464	2	3	-	5	2	2	1	3	1	4	135	161	45	17.0	-	5	4	40.0	15.3	3.65	1	3
22331	105465	1	3	1	1	2	2	1	3	1	4	135	169	50	16.0	2	5	4	35.2	15.9	3.60	1	3
22332	105466	1	3	1	5	2	2	1	3	1	4	129	161	45	18.0	2	5	4	40.0	15.0	3.62	1	3
22333	105467	2	2	-	1	2	2	1	3	1	4	135	165	45	15.0	-	5	4	42.7	15.5	3.62	1	3
22334	105468	1	3	-	5	2	2	1	3	1	4	131	162	45	17.0	-	5	4	37.9	16.0	3.51	1	3
22335	105469	2	3	1	3	2	2	1	7	2	3	139	168	50	19.0	2	5	4	33.8	16.3	3.62	2	3
22336	105470	2	2	-	3	2	2	1	7	1	4	135	168	50	16.0	1	5	4	39.5	16.0	3.59	1	3
22337	105471	2	3	2	5	2	2	1	3	1	4	130	159	50	20.0	1	5	4	40.3	14.9	3.64	1	3
22338	105472	2	3	1	5	2	2	1	3	1	4	127	159	55	19.0	2	5	4	40.9	15.0	3.60	1	3
22339	105473	2	3	1	5	2	2	1	3	1	4	130	160	55	20.0	2	5	4	41.5	15.6	3.46	2	3
22340	105474	2	3	1	5	2	2	1	3	1	4	130	160	60	20.0	3	5	4	41.6	15.9	3.49	1	3
22341	105475	1	3	1	5	2	2	1	3	1	4	131	166	50	14.0	2	5	4	35.7	15.6	3.58	1	3
22342	105476	2	3	1	5	2	2	1	3	1	4	129	160	55	19.0	3	5	4	41.0	14.9	3.62	1	3
22343	105477	2	3	1	3	2	2	1	3	1	4	135	160	50	19.0	2	5	4	40.8	15.9	3.57	1	3
22344	105478	2	3	1	3	2	2	1	3	1	4	135	169	60	20.0	2	5	4	41.3	15.6	3.60	2	3
22345	105479	2	3	1	5	2	2	1	3	1	4	134	161	50	17.0	2	5	4	34.7	14.6	3.63	1	3
22346	105480	2	3	-	5	2	2	1	3	1	4	135	165	45	19.0	1	5	4	41.3	15.1	3.67	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22427	105561	2	3	1	9	2	2	1	7	2	3	129	161	50	22.0	2	5	4	39.5	14.8	3.64	1	3
22428	105562	2	3	1	9	2	2	1	7	2	3	126	161	50	18.0	2	5	4	38.1	14.3	3.76	1	3
22429	105563	2	3	1	9	2	2	1	7	2	3	126	161	50	22.0	2	5	4	40.7	14.5	3.69	1	3
22430	105564	2	3	1	9	2	2	1	7	2	3	126	161	50	18.0	2	5	4	40.0	14.5	3.68	1	3
22431	105565	1	3	1	7	2	2	1	7	2	3	126	161	50	22.0	2	5	4	40.2	15.2	3.62	1	3
22432	105566	1	3	1	5	2	2	1	9	1	2	130	161	50	20.0	2	5	4	38.0	15.1	3.63	1	3
22433	105567	1	3	-	5	2	2	1	3	1	4	129	161	50	16.0	-	5	4	38.9	14.2	3.66	1	3
22434	105568	2	3	1	5	2	2	1	3	1	4	129	161	50	18.0	2	5	4	39.5	14.2	3.64	1	3
22435	105569	1	3	1	5	2	2	1	3	1	4	135	165	50	20.0	2	5	4	40.6	14.5	3.78	1	3
22436	105570	1	3	1	5	2	2	1	3	1	4	135	163	50	20.0	2	5	4	38.1	15.1	3.63	1	3
22437	105571	2	3	1	9	2	2	1	7	2	3	135	164	50	20.0	2	5	4	41.2	15.4	3.68	1	3
22438	105572	2	3	1	9	2	2	1	7	2	3	135	164	50	13.0	2	5	4	42.0	16.2	3.64	1	3
22439	105573	2	3	1	5	2	2	1	3	1	4	141	162	45	15.0	2	5	4	41.5	15.6	3.66	1	3
22440	105574	2	3	1	5	-	2	1	-	1	4	139	-	-	-	2	5	4	31.8	14.8	3.74	1	-
22441	105575	2	3	1	7	2	2	1	9	1	2	123	156	50	20.0	2	5	4	40.1	14.7	3.53	1	3
22442	105576	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
22443	105577	2	2	-	7	2	2	1	9	1	2	140	169	50	23.0	1	5	4	36.6	16.4	3.48	1	3
22444	105578	1	3	1	5	2	2	1	3	1	4	131	169	50	23.0	2	5	4	38.2	14.8	3.65	1	3
22445	105579	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22446	105580	2	3	1	9	2	2	1	7	2	3	135	168	55	20.0	3	5	4	42.1	13.9	3.82	1	3
22447	105581	1	3	1	5	2	2	1	3	1	4	131	168	60	18.0	2	5	4	39.3	14.6	3.74	1	3
22448	105582	2	3	-	5	2	2	1	9	1	2	138	167	50	-	-	5	4	38.8	15.4	3.65	1	3
22449	105583	2	3	-	5	2	2	1	3	1	4	139	167	50	-	1	5	4	43.3	15.3	3.69	1	3
22450	105584	2	3	1	5	2	2	1	9	1	4	135	169	50	-	2	5	4	42.6	14.3	3.80	2	3
22451	105585	1	3	1	5	2	2	1	3	1	4	124	156	60	13.0	1	5	4	39.7	15.1	3.61	1	3
22452	105586	2	3	1	9	2	2	1	7	2	3	126	158	55	17.0	1	5	4	40.3	16.9	3.39	1	3
22453	105587	2	3	1	7	2	2	1	9	1	2	122	154	50	18.0	2	5	4	40.4	13.9	3.61	1	3
22454	105588	2	3	1	5	2	2	1	5	1	4	123	156	55	18.0	3	5	4	40.8	14.9	3.51	2	3
22455	105589	1	3	1	5	2	2	1	3	1	4	124	155	60	20.0	2	5	4	41.0	15.3	3.58	2	3
22456	105590	1	3	1	9	2	2	1	9	1	5	124	157	50	22.0	1	5	4	37.5	16.0	3.48	1	3
22457	105591	2	3	1	5	2	2	1	3	1	4	124	161	60	19.0	3	5	4	44.2	14.3	3.56	1	3
22458	105592	2	3	1	3	2	2	2	7	2	3	135	170	70	21.0	3	5	4	46.0	15.0	3.67	2	3
22459	105593	2	3	1	5	2	2	2	7	2	3	129	161	60	24.0	3	5	4	48.2	13.3	3.74	1	3
22460	105594	2	3	1	9	2	2	2	7	2	3	134	168	75	21.0	3	5	4	45.2	14.1	3.73	1	3
22461	105595	2	3	1	5	2	2	2	3	1	4	129	162	50	22.0	2	5	4	42.0	13.9	3.67	1	3
22462	105596	1	3	3	7	2	2	1	9	1	2	130	162	50	21.0	1	5	4	48.7	13.2	3.79	1	3
22463	105597	2	3	1	7	2	2	2	-	1	5	130	165	65	17.0	3	5	4	46.0	13.9	3.76	1	3
22464	105598	2	3	3	9	2	2	-	7	2	3	124	161	50	22.0	1	5	4	51.0	13.7	3.63	1	3
22465	105599	2	3	1	9	2	2	1	7	2	3	126	161	50	22.0	1	5	4	57.1	14.2	3.65	1	3
22466	105600	2	3	1	5	2	2	2	7	2	3	126	157	50	20.0	2	5	4	41.5	14.2	3.65	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22467	105601	2	3	3	7	2	2	1	9	1	2	138	156	45	23.0	1	5	4	52.8	15.4	3.57	1	3
22468	105602	2	3	3	5	2	2	1	3	1	4	131	158	50	19.0	1	5	4	53.2	14.3	3.69	1	3
22469	105603	1	3	3	5	2	2	1	9	1	2	127	157	60	22.0	1	5	4	51.1	14.3	3.66	1	3
22470	105604	2	3	3	5	2	2	1	3	1	4	131	161	50	22.0	1	5	4	51.8	15.3	3.54	1	3
22471	105605	1	3	3	9	2	2	1	7	2	3	126	158	50	20.0	1	5	4	56.0	14.9	3.53	2	3
22472	105606	2	3	3	9	2	2	1	7	2	3	124	160	50	18.0	1	5	4	54.0	14.2	3.60	2	3
22473	105607	2	3	3	5	2	2	1	9	1	2	127	158	55	23.0	1	5	4	55.5	14.2	3.68	1	3
22474	105608	2	2	1	7	2	2	1	-	1	5	135	169	60	22.0	2	5	4	38.9	14.8	3.65	2	3
22475	105609	2	3	1	7	2	2	1	3	1	4	134	170	75	19.0	2	5	4	44.1	13.9	3.82	1	5
22476	105610	2	3	-	5	2	2	1	3	1	4	128	164	65	25.0	-	5	4	51.6	14.7	3.62	1	3
22477	105611	2	3	3	5	2	2	1	3	1	4	131	165	75	24.0	1	5	4	55.7	15.6	3.55	1	3
22478	105612	2	3	-	1	2	2	1	9	1	2	124	156	50	20.0	-	5	4	47.8	14.1	3.63	1	3
22479	105613	2	3	-	7	2	2	1	9	1	2	131	165	50	18.0	1	5	4	52.1	15.0	3.59	1	3
22480	105614	2	3	-	1	2	2	1	9	1	2	130	160	50	22.0	1	5	4	55.1	14.1	3.67	1	3
22481	105615	2	3	1	3	2	2	1	9	1	2	124	158	60	22.0	2	5	4	35.6	13.2	3.87	1	3
22482	105616	2	3	-	5	2	2	1	9	1	2	124	158	45	22.0	-	5	4	52.6	15.1	3.52	1	3
22483	105617	2	3	1	5	2	2	1	9	1	2	124	158	60	24.0	3	5	4	44.2	12.8	3.87	1	3
22484	105618	2	3	1	7	2	2	1	7	2	5	124	158	60	20.0	2	5	4	46.4	13.3	3.85	1	3
22485	105619	2	3	1	5	2	2	1	9	1	2	128	162	70	22.0	2	5	4	44.2	12.3	3.93	1	3
22486	105620	2	3	1	5	2	2	1	9	1	2	129	165	60	25.0	3	5	4	39.9	13.9	3.80	1	3
22487	105621	2	2	3	5	2	2	1	9	1	2	130	165	50	20.0	1	5	4	50.8	14.2	3.72	1	3
22488	105622	2	2	3	5	2	2	1	3	1	4	135	167	50	-	2	5	4	53.5	16.3	3.53	1	3
22489	105623	2	3	1	5	2	2	2	9	1	5	126	156	60	22.0	3	5	4	48.3	14.0	3.70	1	3
22490	105624	1	3	1	5	2	2	2	3	1	4	128	162	55	20.0	3	5	4	44.9	15.1	3.65	1	3
22491	105625	2	3	1	5	2	2	2	3	1	4	129	162	50	20.0	2	5	4	44.4	14.3	3.63	1	3
22492	105626	2	3	1	5	2	2	2	3	1	4	130	161	45	17.0	3	5	4	44.9	13.8	3.69	1	3
22493	105627	2	3	1	5	2	2	2	3	1	4	130	161	45	16.0	3	5	4	43.4	13.3	3.78	1	3
22494	105628	2	3	1	3	2	2	2	3	1	4	131	158	50	18.0	3	5	4	41.6	12.6	3.85	1	3
22495	105629	2	3	-	5	2	2	2	9	1	2	123	158	55	16.0	-	5	4	46.5	13.1	3.78	2	3
22496	105630	2	2	1	5	2	2	1	3	1	4	135	169	50	19.0	2	5	4	42.7	16.9	3.50	2	3
22497	105631	2	3	1	5	2	2	-	3	1	4	135	170	50	17.0	2	5	4	44.0	16.6	3.54	1	3
22498	105632	2	3	1	5	2	2	1	3	1	4	135	168	50	14.0	2	5	4	44.2	16.7	3.55	1	3
22499	105633	2	3	1	7	2	2	1	7	2	5	135	161	50	18.0	2	5	4	44.7	15.9	3.62	2	3
22500	105634	2	2	1	5	2	2	1	3	1	4	141	170	50	15.0	2	5	4	42.5	16.4	3.61	1	3
22501	105635	2	3	1	5	2	2	1	3	1	4	127	161	50	21.0	2	5	4	42.9	14.2	3.61	1	3
22502	105636	2	2	1	5	2	2	1	3	1	4	135	169	45	14.0	2	5	4	45.7	15.4	3.71	2	3
22503	105637	2	3	1	9	2	2	2	1	1	4	123	155	50	19.0	2	5	4	37.5	12.8	3.76	1	3
22504	105638	2	3	1	5	2	2	2	9	1	4	124	156	50	18.0	1	5	4	37.9	11.9	3.91	1	3
22505	105639	2	3	1	9	2	2	2	9	1	5	123	155	50	17.0	2	5	4	38.0	12.1	3.95	1	3
22506	105640	2	2	1	3	2	2	1	-	1	4	148	-	55	18.0	3	5	4	32.0	15.0	3.76	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22507	105641	2	2	1	5	2	2	1	9	1	5	135	169	45	19.0	2	5	4	32.5	15.6	3.64	1	3
22508	105642	2	1	1	3	2	2	1	-	1	5	147	-	50	19.0	2	5	4	30.4	16.2	3.56	1	3
22509	105643	2	2	-	5	2	2	1	3	1	2	135	162	45	17.0	1	5	4	41.8	14.0	3.73	1	3
22510	105644	2	1	1	5	2	2	1	-	1	5	140	170	45	21.0	2	5	4	33.6	15.9	3.63	1	3
22511	105645	2	3	1	3	2	2	1	5	1	5	134	169	65	22.0	2	5	4	35.9	14.8	3.70	1	3
22512	105646	2	2	1	5	2	2	1	3	1	5	139	169	45	21.0	3	5	4	35.4	14.7	3.69	1	3
22513	105647	2	2	1	5	2	2	1	7	2	3	140	168	45	16.0	2	5	4	34.0	15.4	3.62	1	3
22514	105648	2	-	-	3	2	2	1	3	1	5	140	169	50	15.0	2	5	4	33.9	16.2	3.60	1	3
22515	105649	2	2	1	5	2	2	1	9	1	2	138	168	40	18.0	2	5	4	31.4	15.8	3.58	1	3
22516	105650	2	2	1	5	2	2	1	3	1	4	135	162	45	16.0	2	5	4	36.4	14.2	3.69	2	3
22517	105651	2	3	1	3	2	2	1	5	1	5	130	161	50	20.0	3	5	4	38.3	13.0	3.84	1	3
22518	105652	2	2	1	5	2	2	1	5	1	5	135	169	45	15.0	3	5	4	35.6	13.6	3.88	1	3
22519	105653	1	3	1	7	2	2	1	7	1	5	130	161	40	19.0	2	5	4	35.2	13.9	3.73	1	3
22520	105654	2	3	1	5	2	2	1	5	1	5	124	156	50	20.0	3	5	4	37.6	13.5	3.71	1	3
22521	105655	2	1	1	3	2	2	1	-	1	5	141	170	40	18.0	2	5	4	32.5	16.5	3.53	1	3
22522	105656	2	1	1	7	2	2	1	-	1	5	139	169	40	21.0	2	5	4	33.0	16.2	3.62	1	3
22523	105657	2	3	1	5	2	2	1	5	1	5	130	161	50	19.0	3	5	4	36.0	13.5	3.76	1	3
22524	105658	2	2	1	5	2	2	1	-	1	5	134	161	45	17.0	3	5	4	40.6	13.6	3.85	1	3
22525	105659	2	1	1	5	2	2	1	-	-	5	140	168	45	19.0	2	5	4	-	-	-	1	3
22526	105660	2	1	1	5	2	2	1	3	1	2	140	169	45	17.0	2	5	4	39.9	14.0	3.61	1	3
22527	105661	2	3	1	5	2	2	1	3	1	4	130	158	50	16.0	3	5	4	41.8	13.3	3.85	1	3
22528	105662	2	3	1	5	2	2	1	3	1	4	135	159	40	20.0	2	5	4	39.5	12.8	3.76	1	3
22529	105663	2	3	1	5	2	2	1	3	1	4	131	160	50	22.0	3	5	4	41.6	13.2	3.78	1	3
22530	105664	2	3	1	1	2	2	1	3	1	4	129	158	50	26.0	3	5	4	39.9	12.8	3.84	1	3
22531	105665	2	3	1	5	2	2	1	3	1	4	135	165	50	21.0	3	5	4	39.9	13.8	3.73	1	3
22532	105666	2	3	1	5	2	2	1	3	1	4	138	169	50	20.0	3	5	4	37.4	13.2	3.87	1	3
22533	105667	2	3	1	3	2	2	2	7	2	3	124	155	45	21.0	2	5	4	36.3	13.7	3.68	1	3
22534	105668	2	3	1	7	2	2	1	7	2	5	135	167	50	19.0	2	5	4	38.6	14.6	3.59	1	3
22535	105669	2	3	1	5	2	2	2	9	1	5	123	161	50	18.0	3	5	4	38.7	12.9	3.91	1	3
22536	105670	2	3	1	5	2	2	1	9	1	2	123	160	40	18.0	2	5	4	34.2	13.7	3.72	1	3
22537	105671	2	3	1	7	2	2	2	9	1	4	126	155	45	22.0	2	5	4	34.1	14.5	3.55	2	3
22538	105672	2	3	1	5	2	2	1	3	1	4	123	155	50	19.0	2	5	4	33.1	13.4	3.69	1	3
22539	105673	2	3	1	5	2	2	2	3	1	4	123	156	50	17.0	2	5	4	34.5	13.9	3.72	1	3
22540	105674	2	3	1	1	2	2	2	9	1	2	123	154	40	17.0	2	5	4	31.5	13.0	3.82	1	3
22541	105675	2	3	1	3	2	2	2	9	1	2	123	155	50	22.0	2	5	4	36.6	13.7	3.57	2	3
22542	105676	2	3	-	3	2	2	2	3	1	4	129	158	50	18.0	-	5	4	37.7	13.2	3.66	1	3
22543	105677	2	3	1	5	2	2	2	1	1	2	123	155	50	21.0	2	5	4	37.6	13.4	3.63	1	3
22544	105678	2	3	1	5	2	2	2	1	1	2	123	155	50	16.0	2	5	4	33.5	14.2	3.54	1	3
22545	105679	2	3	1	5	2	2	1	3	1	4	122	154	50	17.0	2	5	4	32.8	14.3	3.55	1	3
22546	105680	2	3	1	3	2	2	1	3	1	4	122	155	50	-	1	5	4	38.2	13.9	3.63	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22547	105681	2	3	1	5	2	2	1	9	1	2	124	155	45	19.0	1	5	4	39.0	13.3	3.72	1	3
22548	105682	2	3	1	5	2	2	1	5	1	5	135	162	50	20.0	3	5	4	34.9	14.2	3.77	2	3
22549	105683	2	3	1	5	2	2	2	3	1	4	123	155	50	19.0	2	5	4	33.8	13.9	3.64	1	3
22550	105684	2	3	1	5	2	2	2	9	1	2	123	155	45	16.0	2	5	4	32.1	15.1	3.40	1	3
22551	105685	2	3	1	3	2	2	2	3	1	4	122	154	50	16.0	2	5	4	34.6	13.0	3.68	1	3
22552	105686	2	3	1	5	2	2	1	5	1	4	130	156	50	16.0	3	5	4	39.3	13.0	3.75	1	3
22553	105687	2	3	-	5	2	2	2	9	1	2	129	155	45	16.0	-	5	4	33.3	13.5	3.70	1	3
22554	105688	2	3	1	5	2	2	1	5	1	5	130	160	50	18.0	3	5	4	42.0	14.2	3.74	1	3
22555	105689	2	3	1	5	2	2	1	5	1	4	129	158	45	18.0	3	5	4	38.8	13.7	3.73	1	3
22556	105690	2	3	1	3	2	2	1	5	1	5	131	162	45	17.0	3	5	4	40.7	14.1	3.76	1	3
22557	105691	2	3	1	9	2	2	1	7	2	3	130	164	45	14.0	3	5	4	40.8	13.5	3.90	1	3
22558	105692	2	3	-	1	2	2	2	7	1	-	130	158	50	21.0	-	5	4	39.3	13.3	3.64	1	3
22559	105693	1	3	1	1	2	2	2	3	1	4	123	156	50	21.0	3	5	4	39.0	13.8	3.75	1	3
22560	105694	-	-	1	-	-	-	1	-	-	-	133	-	-	-	2	-	4	-	-	-	-	-
22561	105695	2	3	1	7	2	2	2	5	1	4	123	158	60	18.0	2	5	4	41.0	14.3	3.70	1	3
22562	105696	2	3	1	3	2	2	2	9	1	2	123	155	50	13.0	2	5	4	32.5	13.8	3.75	1	3
22563	105697	1	3	1	3	2	2	2	9	1	5	123	156	50	18.0	2	5	4	33.5	15.1	3.65	2	3
22564	105698	1	3	1	5	2	2	2	5	1	2	128	162	55	17.0	3	5	4	44.6	14.0	3.78	1	3
22565	105699	2	3	1	9	2	2	1	7	2	3	130	158	50	16.0	2	5	4	44.7	14.1	3.74	2	3
22566	105700	2	3	1	5	2	2	2	9	-	-	128	155	50	19.0	2	5	4	-	-	-	1	3
22567	105701	1	3	1	5	2	2	2	7	2	3	126	154	50	19.0	2	5	4	51.7	13.5	3.75	1	3
22568	105702	2	3	1	9	2	2	1	7	2	3	126	156	50	19.0	2	5	4	55.5	12.6	3.78	1	3
22569	105703	2	3	1	5	2	2	1	9	1	2	121	154	45	20.0	2	5	4	54.8	15.1	3.50	1	3
22570	105704	2	3	1	5	2	2	1	9	1	2	122	155	50	16.0	2	5	4	58.5	14.6	3.58	1	3
22571	105705	2	3	1	7	2	2	1	9	1	2	122	155	50	18.0	2	5	4	55.6	14.9	3.61	1	3
22572	105706	2	3	1	5	2	2	2	5	1	5	130	162	70	19.0	2	5	4	56.9	13.2	3.85	1	3
22573	105707	2	3	1	3	2	2	2	5	1	4	123	158	55	21.0	3	5	4	40.7	13.3	3.86	2	3
22574	105708	2	3	1	3	2	2	2	5	1	4	124	158	50	20.0	3	5	4	39.3	12.8	3.81	2	3
22575	105709	2	3	1	5	2	2	2	9	1	2	124	158	50	19.0	2	5	4	38.6	14.6	3.61	1	3
22576	105710	2	3	1	9	2	2	2	3	1	4	123	158	60	27.0	3	5	4	43.0	13.2	3.76	1	3
22577	105711	2	3	1	5	2	2	2	3	1	4	124	158	55	20.0	3	5	4	40.6	13.7	3.77	1	3
22578	105712	2	3	1	3	2	2	2	3	1	4	123	155	50	25.0	2	5	4	34.3	14.0	3.65	1	3
22579	105713	2	3	1	5	2	2	2	3	1	4	121	155	50	23.0	2	5	4	35.9	13.4	3.72	1	3
22580	105714	2	3	1	5	2	2	2	9	1	4	123	156	55	17.0	3	5	4	38.0	12.3	3.85	1	3
22581	105715	2	3	1	5	2	2	1	7	2	3	130	157	50	17.0	3	5	4	39.4	12.6	3.78	1	3
22582	105716	2	3	1	5	2	2	2	3	1	4	123	155	50	21.0	3	5	4	35.9	12.6	3.79	1	3
22583	105717	1	3	1	5	2	2	2	3	1	4	124	157	50	22.0	2	5	4	36.9	13.7	3.77	1	3
22584	105718	2	3	1	7	2	2	2	5	1	4	126	161	55	20.0	2	5	4	41.7	13.4	3.80	1	3
22585	105719	1	3	1	7	2	2	2	7	2	3	124	156	50	23.0	2	5	4	39.3	15.0	3.63	2	3
22586	105720	1	3	1	7	2	2	2	7	2	3	123	156	50	19.0	2	5	4	41.1	13.9	3.66	2	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22587	105721	2	3	1	9	2	2	1	7	2	3	124	158	50	20.0	2	5	4	39.6	13.6	3.73	2	3
22588	105722	2	3	1	9	2	2	1	7	2	3	124	159	50	18.0	3	5	4	39.6	14.7	3.62	2	3
22589	105723	2	3	1	7	2	2	2	1	1	4	122	154	45	15.0	2	5	4	39.6	15.4	3.47	1	3
22590	105724	2	3	1	9	2	2	2	1	1	2	124	155	50	15.0	2	5	4	33.6	13.6	3.52	1	3
22591	105725	1	3	1	5	2	2	2	1	1	2	123	154	50	-	2	5	4	31.7	16.1	3.36	1	3
22592	105726	2	3	3	9	2	2	2	7	2	3	124	157	50	20.0	1	5	4	37.1	14.0	3.48	2	3
22593	105727	2	3	-	9	2	2	2	7	1		118	149	50	18.0	-	5	4	34.9	13.3	3.73	1	3
22594	105728	2	2	3	5	2	2	1	5	1		135	166	50	17.0	2	5	4	38.0	17.1	3.49	1	3
22595	105729	2	3	1	5	2	2	1	5	1	4	126	161	45	17.0	3	5	4	38.6	16.0	3.47	1	3
22596	105730	2	3	1	9	2	2	1	7	2	3	132	168	45	20.0	2	5	4	38.1	14.3	3.69	2	3
22597	105731	2	3	1	5	2	2	1	7	2	3	123	158	50	22.0	2	5	4	39.4	13.9	3.61	2	3
22598	105732	2	3	3	5	2	2	1	9	1	2	135	158	50	18.0	1	5	4	40.7	16.0	3.41	1	3
22599	105733	2	3	-	9	2	2	2	7	2	3	130	158	50	22.0	-	5	4	40.0	16.9	3.39	1	3
22600	105734	2	3	1	9	2	2	2	7	2	3	123	158	50	19.0	2	5	4	39.8	13.6	3.52	1	3
22601	105735	2	3	1	5	2	2	1	7	2	3	130	158	40	19.0	2	5	4	37.6	14.6	3.66	1	3
22602	105736	2	3	1	5	2	2	1	7	2	3	130	162	50	18.0	2	5	4	41.3	13.9	3.66	1	3
22603	105737	1	3	1	1	2	2	1	5	1	4	128	161	60	20.0	3	5	4	38.3	12.6	3.82	2	3
22604	105738	2	3	1	5	2	2	1	7	1	-	127	160	55	16.0	2	5	4	40.3	14.6	3.52	2	3
22605	105739	2	3	1	9	2	2	1	7	2	3	127	164	55	22.0	2	5	4	39.9	14.3	3.66	2	3
22606	105740	2	3	1	7	2	2	1	7	2	3	127	160	50	18.0	2	5	4	43.5	13.9	3.60	2	3
22607	105741	2	3	1	9	2	2	1	7	2	3	127	165	55	13.0	2	5	4	40.3	14.7	3.60	1	3
22608	105742	2	3	1	9	2	2	1	7	2	3	126	165	50	20.0	1	5	4	43.3	14.6	3.61	1	3
22609	105743	2	3	1	9	2	2	1	7	2	3	129	165	55	20.0	2	5	4	41.5	14.8	3.59	1	3
22610	105744	2	3	1	5	2	2	1	7	2	3	126	162	55	17.0	2	5	4	41.8	14.2	3.58	2	3
22611	105745	2	3	1	9	2	2	1	7	2	3	126	165	60	20.0	2	5	4	42.6	14.4	3.54	1	3
22612	105746	1	2	1	9	2	2	1	7	2	3	134	166	50	17.0	2	5	4	35.7	13.3	3.89	2	3
22613	105747	2	3	1	5	2	2	1	5	1	4	130	161	50	17.0	3	5	4	36.2	14.2	3.56	1	3
22614	105748	2	3	1	5	2	2	1	9	1	5	131	162	45	18.0	2	5	4	38.8	15.0	3.55	1	3
22615	105749	2	2	1	5	2	2	1	3	1	4	141	169	50	19.0	2	5	4	37.1	16.2	3.64	1	3
22616	105750	2	3	1	5	2	2	1	5	1	4	126	158	50	21.0	2	5	4	34.4	15.1	3.49	1	3
22617	105751	2	3	-	5	2	2	1	5	1	4	129	161	50	20.0	-	5	4	37.3	12.5	3.63	1	3
22618	105752	2	3	-	9	2	2	1	7	2	3	124	152	50	22.0	-	5	4	43.2	13.3	3.69	1	3
22619	105753	2	3	1	5	2	2	1	5	1	4	130	165	45	18.0	3	5	4	41.4	14.4	3.67	1	3
22620	105754	2	3	1	9	2	2	1	7	2	5	126	155	50	16.0	2	5	4	41.1	13.5	3.67	2	3
22621	105755	2	3	1	5	2	2	1	7	2	3	131	162	55	19.0	3	5	4	41.5	11.6	3.90	2	3
22622	105756	2	3	1	9	2	2	1	7	2	3	128	169	80	21.0	2	5	4	42.4	13.6	3.77	2	3
22623	105757	2	3	1	9	2	2	1	7	2	3	128	169	65	25.0	2	5	4	43.7	13.4	3.79	1	3
22624	105758	2	3	-	7	2	2	1	9	1	2	129	162	50	21.0	-	5	4	51.6	14.3	3.58	1	3
22625	105759	2	3	-	5	2	2	1	3	1	4	134	165	50	13.0	-	5	4	41.7	14.6	3.64	1	3
22626	105760	2	3	-	5	2	2	1	3	1	4	130	162	45	15.0	-	5	4	44.9	13.7	3.64	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22627	105761	2	3	3	1	2	2	1	3	1	4	129	156	50	16.0	1	5	4	48.8	12.9	3.80	2	3
22628	105762	2	3	1	9	2	2	1	7	2	3	130	168	40	22.0	2	5	4	43.2	15.6	3.66	2	3
22629	105763	2	3	1	9	2	2	1	7	2	3	124	164	55	22.0	2	5	4	42.7	13.3	3.68	2	3
22630	105764	2	3	1	5	2	2	2	9	1	2	124	156	60	18.0	2	5	4	37.4	12.2	3.82	2	3
22631	105765	2	3	1	5	2	2	1	7	2	3	130	165	50	13.0	2	5	4	42.0	14.6	3.64	2	3
22632	105766	2	3	1	5	2	2	1	9	1	2	131	165	50	15.0	2	5	4	36.2	14.3	3.68	1	3
22633	105767	2	3	3	3	2	2	1	9	1	2	135	162	50	13.0	1	5	4	41.5	15.5	3.57	1	3
22634	105768	2	3	-	9	2	2	1	7	2	3	135	162	50	17.0	-	5	4	48.7	16.5	3.55	1	3
22635	105769	2	3	-	3	2	2	1	9	1	2	140	162	40	17.0	-	5	4	41.7	15.9	3.62	1	3
22636	105770	2	3	1	9	2	2	2	7	2	3	135	164	45	15.0	2	5	4	43.2	15.7	3.51	1	3
22637	105771	2	3	1	5	2	2	1	3	1	4	135	167	50	14.0	2	5	4	42.7	16.6	3.47	1	3
22638	105772	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22639	105773	2	3	2	5	2	2	1	3	1	4	130	161	50	15.0	1	5	4	39.8	15.6	3.52	1	3
22640	105774	2	3	3	5	2	2	1	3	1	4	123	155	50	20.0	1	5	4	49.6	14.6	3.51	1	3
22641	105775	2	3	2	5	2	2	1	3	1	4	130	156	50	20.0	2	5	4	50.2	14.9	3.54	1	3
22642	105776	2	3	-	5	2	2	1	3	1	4	128	156	50	18.0	-	5	4	46.0	14.4	3.58	1	3
22643	105777	2	3	-	5	2	2	1	3	1	4	140	169	50	12.0	-	5	4	40.7	17.0	3.50	1	3
22644	105778	2	3	1	9	2	2	2	7	2	3	130	162	45	14.0	2	5	4	43.2	16.0	3.60	1	3
22645	105779	2	3	3	3	2	2	1	9	1	2	140	162	45	19.0	1	5	4	43.1	17.2	3.43	1	3
22646	105780	2	3	-	3	2	2	1	9	1	5	131	161	50	17.0	-	5	4	52.8	16.4	3.43	1	3
22647	105781	2	3	-	9	2	2	1	7	2	3	141	168	45	14.0	-	5	4	43.6	16.1	3.54	2	3
22648	105782	2	3	3	5	2	2	1	9	1	2	139	162	45	14.0	1	5	4	42.8	15.5	3.57	1	3
22649	105783	2	3	3	3	2	2	1	1	1	2	130	158	45	22.0	1	5	4	47.8	19.4	2.83	1	3
22650	105784	2	3	-	1	2	2	1	1	1	2	130	160	45	19.0	-	5	4	44.5	15.7	3.45	1	3
22651	105785	2	3	1	5	2	2	1	3	1	4	135	161	45	15.0	2	5	4	38.4	15.9	3.54	1	3
22652	105786	2	3	1	3	2	2	1	9	1	2	123	158	60	14.0	2	5	4	43.0	14.1	3.66	1	3
22653	105787	2	3	3	5	2	2	1	3	1	4	129	160	50	17.0	2	5	4	35.9	14.2	3.63	1	3
22654	105788	2	3	1	5	2	2	1	3	1	4	125	158	55	14.0	2	5	4	42.4	13.9	3.66	1	3
22655	105789	1	3	1	1	2	2	1	9	1	2	124	160	55	18.0	2	5	4	44.2	13.5	3.63	1	3
22656	105790	2	3	3	7	2	2	1	7	2	3	124	160	50	22.0	1	5	4	54.4	13.2	3.72	1	3
22657	105791	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22658	105792	2	3	1	1	2	2	1	3	1	4	124	161	50	18.0	2	5	4	44.5	12.7	3.83	1	3
22659	105793	2	3	1	1	2	2	1	9	1	2	124	161	50	15.0	2	5	4	43.3	13.5	3.69	1	3
22660	105794	2	3	1	3	2	2	1	3	1	4	126	158	50	17.0	2	5	4	36.4	13.5	3.66	1	3
22661	105795	1	3	1	1	2	2	1	9	1	2	126	161	65	17.0	2	5	4	44.0	13.3	3.70	1	3
22662	105796	2	3	-	7	2	2	1	9	1	2	129	160	50	17.0	-	5	4	47.7	15.2	3.52	1	3
22663	105797	2	3	1	3	2	2	1	5	1	4	130	161	40	19.0	3	5	4	39.4	13.6	3.74	1	3
22664	105798	2	3	1	9	2	2	1	7	2	3	140	169	45	14.0	2	5	4	46.0	15.9	3.46	2	3
22665	105799	2	3	1	5	2	2	1	3	1	4	127	161	50	14.0	2	5	4	49.6	15.9	3.54	1	3
22666	105800	2	3	1	5	2	2	1	9	1	2	130	158	45	16.0	2	5	4	43.9	14.0	3.68	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22667	105801	2	3	1	5	2	2	1	9	1	2	130	162	40	11.0	2	5	4	41.5	12.9	3.87	1	3
22668	105802	2	3	3	7	2	2	1	9	1	2	134	161	45	18.0	1	5	4	51.7	14.7	3.49	1	3
22669	105803	2	3	1	7	2	2	1	9	1	2	134	162	40	16.0	2	5	4	42.8	12.9	3.86	1	3
22670	105804	2	3	1	5	2	2	1	9	1	2	130	162	50	16.0	2	5	4	43.6	13.1	3.74	2	3
22671	105805	2	3	1	5	2	2	1	5	1	4	130	162	50	16.0	3	5	4	40.5	12.2	3.84	1	3
22672	105806	2	3	1	5	2	2	1	5	1	4	126	161	50	19.0	2	5	4	43.5	13.2	3.68	1	3
22673	105807	2	2	1	5	2	2	1	5	1	4	134	165	50	18.0	3	5	4	39.4	13.8	3.71	1	3
22674	105808	2	2	1	7	2	2	1	7	2	3	130	162	45	14.0	3	5	4	40.8	13.1	3.72	2	3
22675	105809	2	3	3	7	2	2	1	9	1	2	130	158	50	16.0	1	5	4	48.0	13.0	3.76	2	3
22676	105810	2	3	1	5	2	2	1	3	1	4	126	156	50	16.0	-	5	4	44.6	11.9	3.80	2	3
22677	105811	2	3	1	9	2	2	1	7	2	3	123	156	50	13.0	1	5	4	38.7	13.3	3.72	2	3
22678	105812	2	3	3	7	2	2	1	9	1	2	131	158	45	22.0	1	5	4	46.0	12.4	3.73	2	3
22679	105813	2	3	-	7	2	2	1	9	1	2	130	158	45	15.0	-	5	4	44.0	12.9	3.72	1	3
22680	105814	2	3	1	5	2	2	1	3	1	4	130	165	45	17.0	2	5	4	44.6	13.6	3.73	1	3
22681	105815	2	3	1	7	2	2	2	7	2	5	124	156	50	21.0	2	5	4	40.7	12.0	3.91	1	3
22682	105816	2	3	1	9	2	2	2	7	2	5	123	156	50	20.0	2	5	4	39.9	11.8	3.91	2	3
22683	105817	2	3	1	7	2	2	1	9	1	2	127	158	50	18.0	2	5	4	45.0	13.2	3.66	2	3
22684	105818	2	3	-	3	2	2	1	3	1	4	127	161	50	12.0	-	5	4	45.4	13.9	3.69	2	3
22685	105819	2	3	3	5	2	2	2	9	1	2	124	158	50	20.0	1	5	4	49.4	12.1	3.70	1	3
22686	105820	2	3	1	7	2	2	2	9	1	5	124	157	50	18.0	1	5	4	43.3	11.5	4.03	1	3
22687	105821	2	3	1	7	2	2	2	7	2	5	124	155	55	22.0	2	5	4	39.1	12.2	3.69	2	3
22688	105822	2	3	1	5	2	2	1	3	1	4	129	158	50	22.0	2	5	4	39.0	12.6	3.81	1	3
22689	105823	2	3	1	5	2	2	1	3	1	4	131	161	45	13.0	2	5	4	44.0	13.6	3.68	1	3
22690	105824	2	3	1	5	2	2	1	3	1	4	131	161	45	14.0	2	5	4	46.2	12.6	3.88	1	3
22691	105825	2	3	1	5	2	2	1	3	1	4	130	162	45	16.0	2	5	4	44.9	14.0	3.69	2	3
22692	105826	1	3	1	9	2	2	1	7	2	3	123	154	50	20.0	2	5	4	36.3	12.0	3.77	1	3
22693	105827	2	3	1	5	2	2	2	9	1	2	119	149	55	22.0	1	5	4	33.0	13.9	3.59	1	3
22694	105828	2	3	1	1	2	2	2	9	1	2	119	149	55	17.0	1	5	4	37.4	14.3	3.69	1	3
22695	105829	2	3	1	7	2	2	2	9	1	2	119	153	60	20.0	1	5	4	36.0	12.1	3.74	1	3
22696	105830	2	3	1	3	2	2	2	9	1	2	121	152	60	19.0	1	5	4	33.5	12.0	3.84	1	3
22697	105831	1	3	1	3	2	2	2	9	1	2	122	152	50	16.0	1	5	4	33.9	13.0	3.54	1	3
22698	105832	1	3	1	5	2	2	2	9	1	2	119	152	50	17.0	1	5	4	33.3	12.6	3.75	1	3
22699	105833	2	3	1	5	2	2	2	9	1	2	119	155	55	20.0	2	5	4	42.9	13.5	3.54	1	3
22700	105834	1	3	1	5	2	2	2	9	1	2	118	150	60	17.0	1	5	4	30.9	12.7	3.64	1	3
22701	105835	2	3	1	3	2	2	2	9	1	2	120	151	60	17.0	2	5	4	36.0	11.5	3.89	1	3
22702	105836	2	3	1	5	2	2	2	9	1	2	120	151	50	19.0	1	5	4	35.5	12.0	3.83	1	3
22703	105837	2	2	1	9	2	2	1	7	2	3	134	164	50	20.0	2	5	4	43.4	11.7	4.09	1	3
22704	105838	2	3	1	9	2	2	1	7	2	3	130	161	55	17.0	2	5	4	43.4	11.3	4.03	1	3
22705	105839	2	3	1	7	2	2	1	7	2	3	130	161	55	15.0	2	5	4	42.3	11.7	3.87	1	3
22706	105840	2	3	1	9	2	2	1	7	2	3	127	160	55	17.0	2	5	4	44.6	11.1	4.18	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22707	105841	2	3	1	3	2	2	2	1	1	2	122	155	55	19.0	2	5	4	38.7	12.5	3.76	1	3
22708	105842	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22709	105843	2	2	1	5	2	2	1	3	1	4	139	170	50	15.0	2	5	4	36.3	15.4	3.56	1	3
22710	105844	2	3	1	5	2	2	1	3	1	4	135	169	50	14.0	2	5	4	47.4	14.7	3.68	1	3
22711	105845	2	3	1	3	2	2	1	3	1	4	127	161	60	16.0	3	5	4	44.9	13.5	3.69	1	3
22712	105846	2	3	-	3	2	2	1	3	1	4	124	156	50	17.0	-	5	4	43.3	12.3	3.73	1	3
22713	105847	2	3	1	5	2	2	1	7	1	2	135	162	50	13.0	2	5	4	42.7	13.9	3.72	1	3
22714	105848	2	3	1	5	2	2	1	3	1	2	130	158	50	15.0	2	5	4	41.5	12.7	3.68	1	3
22715	105849	2	3	1	7	2	2	1	7	2	3	129	161	50	14.0	2	5	4	37.5	12.7	3.69	1	3
22716	105850	2	3	-	5	2	2	1	9	1	2	129	161	55	16.0	-	5	4	48.1	14.3	3.56	1	3
22717	105851	2	3	3	5	2	2	1	5	1	2	130	162	50	19.0	1	5	4	42.8	13.2	3.65	1	3
22718	105852	2	3	3	5	2	2	1	9	1	2	122	162	40	20.0	1	5	4	49.2	13.3	3.69	1	3
22719	105853	2	3	1	5	2	2	1	5	1	4	135	164	45	18.0	2	5	4	44.0	14.5	3.67	2	3
22720	105854	2	3	1	3	2	2	1	3	1	4	129	156	45	17.0	2	5	4	39.4	13.3	3.56	2	3
22721	105855	2	3	1	1	2	2	2	9	1	2	127	156	50	20.0	2	5	4	42.4	12.4	3.79	2	3
22722	105856	2	3	1	5	2	2	1	5	1	4	129	162	45	18.0	3	5	4	41.7	14.5	3.64	1	3
22723	105857	2	3	1	5	2	2	1	9	1	2	124	157	50	19.0	1	5	4	45.3	12.8	3.67	1	3
22724	105858	2	2	1	5	2	2	1	3	1	4	135	169	45	17.0	2	5	4	45.2	16.1	3.56	1	3
22725	105859	2	3	1	1	2	2	1	7	1	2	124	156	50	14.0	2	5	4	45.0	12.8	3.73	1	3
22726	105860	2	3	1	7	2	2	1	7	2	3	130	160	45	19.0	2	5	4	38.1	12.6	3.77	1	3
22727	105861	2	3	1	7	2	2	1	7	2	3	131	161	50	14.0	2	5	4	39.9	12.2	3.72	1	3
22728	105862	2	3	3	7	2	2	1	3	1	2	130	161	50	18.0	1	5	4	47.1	14.4	3.48	1	3
22729	105863	2	3	-	5	2	2	1	9	1	2	129	160	50	14.0	-	5	4	50.8	14.0	3.60	1	3
22730	105864	2	3	1	3	2	2	1	3	1	4	127	156	50	16.0	2	5	4	42.2	11.5	3.92	1	3
22731	105865	2	3	1	9	2	2	1	7	2	3	130	161	60	16.0	2	5	4	41.9	11.8	3.87	2	3
22732	105866	2	3	1	9	2	2	1	7	2	3	123	161	50	19.0	2	5	4	36.3	12.9	3.69	1	3
22733	105867	2	3	1	9	2	2	1	7	2	3	130	160	55	23.0	2	5	4	42.5	11.7	3.99	1	3
22734	105868	2	3	1	9	2	2	1	7	2	3	124	156	55	19.0	2	5	4	38.0	12.3	3.86	1	3
22735	105869	2	3	3	5	2	2	1	1	1	2	130	160	50	17.0	1	5	4	49.5	13.2	3.62	1	3
22736	105870	2	3	3	7	2	2	1	9	1	2	130	160	50	22.0	1	5	4	51.7	13.0	3.56	1	3
22737	105871	2	3	1	3	2	2	1	3	1	4	126	160	50	18.0	2	5	4	43.4	13.7	3.64	1	3
22738	105872	2	3	1	5	2	2	1	3	1	4	129	159	50	13.0	2	5	4	45.0	13.4	3.66	1	3
22739	105873	2	3	1	5	2	2	1	3	1	2	127	160	40	17.0	2	5	4	44.5	12.3	3.81	1	3
22740	105874	2	3	1	5	2	2	1	7	1	5	129	160	45	14.0	2	5	4	38.0	13.1	3.68	2	3
22741	105875	2	3	1	5	2	2	1	3	1	4	127	156	50	14.0	2	5	4	41.8	13.4	3.63	1	3
22742	105876	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22743	105877	2	3	1	5	2	2	2	5	1	4	129	161	40	18.0	3	5	4	40.1	16.4	3.43	1	3
22744	105878	1	3	1	5	2	2	-	5	1	4	129	161	40	14.0	3	5	4	40.7	15.7	3.49	1	3
22745	105879	2	3	1	9	2	2	1	7	2	3	128	160	50	18.0	2	5	4	40.9	14.3	3.63	2	3
22746	105880	2	3	1	5	2	2	1	3	1	4	130	161	45	18.0	2	5	4	39.4	14.2	3.61	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22747	105881	1	3	1	9	2	2	1	7	2	3	124	162	50	14.0	2	5	4	41.8	13.7	3.62	1	3
22748	105882	2	2	1	9	2	2	1	7	2	3	135	165	45	20.0	2	5	4	39.9	14.2	3.76	1	3
22749	105883	1	3	3	7	2	2	1	7	2	5	130	162	50	26.0	1	5	4	48.3	16.2	3.43	1	3
22750	105884	1	3	1	5	2	2	1	3	1	4	129	156	50	20.0	2	5	4	38.2	15.4	3.46	2	3
22751	105885	2	3	1	5	2	2	1	3	1	4	123	155	55	18.0	2	5	4	44.1	13.9	3.57	1	3
22752	105886	2	3	1	5	2	2	1	3	1	4	123	156	50	17.0	2	5	4	42.1	13.9	3.59	1	3
22753	105887	2	3	1	5	2	2	1	5	1	4	129	161	50	20.0	2	5	4	44.2	13.9	3.47	1	3
22754	105888	2	3	1	9	2	2	1	7	2	3	122	155	50	22.0	2	5	4	35.0	12.6	3.78	1	3
22755	105889	2	3	1	5	2	2	1	9	1	5	122	156	45	19.0	1	5	4	43.7	15.0	3.53	1	3
22756	105890	2	3	1	5	2	2	1	5	1	4	129	165	45	12.0	2	5	4	42.5	15.6	3.49	1	3
22757	105891	2	1	2	5	2	2	2	-	1	4	141	170	40	30.0	2	5	4	29.0	14.9	3.44	1	3
22758	105892	2	2	3	5	2	2	1	3	1	4	140	161	40	19.0	1	5	4	49.0	15.8	3.50	1	3
22759	105893	2	3	2	9	2	2	1	7	2	3	130	164	45	18.0	1	5	4	38.4	13.9	3.61	1	3
22760	105894	2	3	1	9	2	2	1	7	2	3	127	164	55	18.0	2	5	4	38.6	14.2	3.55	1	3
22761	105895	2	3	1	9	2	2	1	7	2	3	130	164	55	19.0	2	5	4	39.6	13.8	3.66	1	3
22762	105896	2	3	1	5	2	2	1	9	1	5	130	164	45	13.0	2	5	4	40.4	15.7	3.38	1	3
22763	105897	2	3	1	7	2	2	1	7	2	3	130	164	45	13.0	2	5	4	37.3	14.7	3.59	1	3
22764	105898	2	3	-	5	2	2	1	3	1	4	135	162	40	19.0	-	5	4	39.5	15.8	3.48	1	3
22765	105899	2	2	-	5	2	2	1	9	1	2	135	164	45	15.0	-	5	4	45.8	16.2	3.49	1	3
22766	105900	2	2	3	9	2	2	1	9	1	2	131	160	35	24.0	1	5	4	45.2	16.2	3.42	1	3
22767	105901	2	2	1	5	2	1	1	3	1	-	131	161	35	18.0	2	5	4	28.3	15.6	3.38	1	3
22768	105902	2	2	1	5	2	1	1	3	1	-	135	161	35	16.0	2	5	4	32.2	15.9	3.23	1	3
22769	105903	2	2	-	1	2	1	1	3	1	-	135	164	40	20.0	-	5	4	30.6	15.2	3.40	1	3
22770	105904	2	2	1	3	2	1	1	9	1	-	130	162	40	22.0	2	5	4	29.8	15.3	3.41	1	3
22771	105905	2	3	1	1	2	2	1	3	1	4	118	153	50	19.0	3	5	4	34.8	11.5	3.78	1	3
22772	105906	3	1	1	3	2	2	1	3	1	2	141	-	65	18.0	2	5	4	36.5	13.4	3.56	1	3
22773	105907	3	1	1	5	2	2	1	9	1	2	135	163	45	18.0	2	5	4	38.1	13.0	3.66	1	3
22774	105908	2	2	1	5	2	2	2	9	1	2	130	165	50	18.0	2	5	4	37.7	13.7	3.61	1	3
22775	105909	2	3	2	5	2	2	2	3	1	4	120	154	50	29.0	3	5	4	43.8	15.6	3.28	2	3
22776	105910	3	3	2	5	2	2	2	3	1	4	121	154	40	26.0	3	5	4	39.1	14.0	3.34	2	3
22777	105911	2	2	2	5	2	2	2	3	1	4	135	156	40	24.0	2	5	4	37.6	12.3	3.56	1	3
22778	105912	3	1	2	5	2	2	2	3	1	4	135	161	40	28.0	2	5	4	39.9	14.7	3.39	1	3
22779	105913	3	3	2	5	2	2	1	3	1	4	123	154	45	30.0	3	5	4	41.7	13.6	3.49	1	3
22780	105914	3	2	2	5	2	2	2	3	1	4	130	162	40	26.0	2	5	4	41.8	14.0	3.36	1	3
22781	105915	2	3	1	5	2	2	2	3	1	4	115	154	50	18.0	3	5	4	28.0	14.1	3.50	2	3
22782	105916	3	1	2	5	2	2	1	5	1	4	140	165	50	27.0	2	5	4	36.2	15.1	3.46	1	3
22783	105917	3	1	2	5	2	2	2	3	1	4	139	162	50	24.0	2	5	4	41.5	14.3	3.41	1	3
22784	105918	3	3	2	7	2	2	1	3	1	4	123	160	50	28.0	3	5	4	37.0	13.7	3.40	1	3
22785	105919	3	2	2	7	2	2	2	3	1	4	131	161	40	32.0	3	5	4	37.6	14.2	3.43	1	3
22786	105920	2	1	1	3	2	1	2	3	1	-	124	170	30	16.0	3	5	4	20.8	16.0	3.33	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22787	105921	1	1	1	5	2	1	2	5	1	-	134	169	45	24.0	3	5	4	24.1	15.0	3.41	1	3
22788	105922	3	1	1	5	2	2	2	5	1	2	137	169	45	22.0	3	5	4	21.8	14.5	3.52	1	3
22789	105923	2	1	1	5	2	2	2	3	1	4	134	162	40	18.0	3	5	4	28.9	14.8	3.51	1	3
22790	105924	1	1	1	5	2	2	2	3	1	4	117	161	20	22.0	3	5	4	21.5	16.6	3.38	1	3
22791	105925	1	1	1	5	2	2	2	3	1	4	138	162	20	22.0	3	5	4	19.1	17.9	3.33	1	3
22792	105926	1	3	1	5	2	1	2	3	1	-	115	145	50	19.0	3	5	4	25.2	14.3	3.41	1	7
22793	105927	1	3	1	5	2	2	2	3	1	4	114	147	50	22.0	3	5	4	28.1	13.4	3.54	2	3
22794	105928	2	3	1	5	2	1	2	3	1	-	117	153	45	25.0	3	5	4	22.6	14.6	3.34	1	5
22795	105929	1	3	1	5	2	1	2	9	1	-	116	153	50	25.0	3	5	4	25.1	13.8	3.36	1	3
22796	105930	1	1	1	5	2	1	2	5	1	-	135	166	35	26.0	3	5	4	27.6	14.8	3.37	1	3
22797	105931	1	1	1	5	2	1	2	5	1	-	124	169	35	31.0	3	5	4	22.0	14.7	3.47	1	3
22798	105932	2	1	1	5	2	2	2	3	1	4	128	155	35	28.0	3	5	4	25.1	13.2	3.61	1	3
22799	105933	2	3	1	5	2	1	2	3	1	-	114	155	50	22.0	3	5	4	25.5	14.1	3.54	1	3
22800	105934	2	1	1	5	2	2	2	3	1	-	125	161	45	25.0	3	5	4	31.8	13.6	3.44	1	3
22801	105935	2	1	1	5	2	2	2	3	1	4	118	155	40	22.0	3	5	4	27.8	14.2	3.47	1	3
22802	105936	3	1	1	5	2	2	1	3	1	4	133	165	40	23.0	3	5	4	30.1	12.8	3.71	1	3
22803	105937	2	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22804	105938	2	1	1	3	2	1	2	5	1	-	135	169	30	29.0	3	5	4	23.6	14.5	3.46	1	3
22805	105939	2	1	1	5	2	2	2	5	1	4	139	169	30	26.0	3	5	4	30.8	15.1	3.60	1	3
22806	105940	2	1	1	5	2	1	2	3	1	-	127	161	30	27.0	3	5	4	27.1	13.0	3.55	1	3
22807	105941	2	1	1	5	2	1	2	3	1	-	130	160	35	27.0	3	5	4	27.9	14.2	3.37	1	3
22808	105942	2	1	1	5	2	2	2	5	1	4	134	161	30	27.0	3	5	4	25.7	15.2	3.56	1	3
22809	105943	2	1	1	5	2	1	2	5	1	-	134	165	30	20.0	3	5	4	26.8	14.5	3.44	1	3
22810	105944	2	1	1	5	2	1	2	5	1	-	117	165	30	26.0	3	5	4	23.8	16.4	3.36	1	3
22811	105945	2	1	1	5	2	1	2	3	1	-	134	165	30	27.0	3	5	4	26.5	15.3	3.44	1	3
22812	105946	1	1	1	5	2	1	2	3	1	-	119	155	40	25.0	3	5	4	27.1	13.6	3.49	2	3
22813	105947	2	1	1	5	2	2	2	5	1	4	130	161	25	20.0	3	5	4	27.2	15.4	3.46	1	3
22814	105948	2	1	1	5	2	2	1	5	1	4	135	164	20	24.0	3	5	4	27.5	16.1	3.49	1	3
22815	105949	2	1	1	5	2	2	2	5	1	4	130	161	25	31.0	3	5	4	26.6	15.0	3.50	1	3
22816	105950	2	1	1	5	2	1	2	5	1	-	130	161	30	20.0	3	5	4	23.2	15.1	3.40	1	3
22817	105951	1	1	1	5	2	2	2	5	1	4	124	157	30	20.0	3	5	4	44.5	14.5	3.51	1	3
22818	105952	2	1	1	5	2	2	2	5	1	4	126	158	30	21.0	3	5	4	25.9	14.7	3.44	1	3
22819	105953	1	1	1	5	2	1	2	5	1	-	131	162	30	16.0	3	5	4	25.8	15.1	3.38	1	3
22820	105954	2	1	1	5	2	1	2	5	1	-	134	164	30	22.0	3	5	4	43.8	14.5	3.47	1	3
22821	105955	2	1	1	5	2	2	2	5	1	4	135	164	30	14.0	3	5	4	42.2	15.7	3.53	1	3
22822	105956	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22823	105957	1	1	1	5	2	1	2	5	1	-	130	162	40	16.0	3	5	4	40.4	15.2	3.32	1	-
22824	105958	1	1	1	5	2	1	2	5	1	-	135	161	35	28.0	3	5	4	43.8	14.1	3.50	1	3
22825	105959	1	1	1	5	2	2	2	5	1	4	123	155	35	20.0	3	5	4	44.7	14.4	3.53	1	3
22826	105960	2	1	1	5	2	1	-	3	1	-	116	155	30	17.0	3	5	4	44.4	13.8	3.35	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	FLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22827	105961	2	1	1	5	2	1	2	3	1	-	130	164	20	17.0	3	5	4	45.6	17.2	3.30	1	3
22828	105962	1	3	1	5	2	2	2	3	1	4	120	155	50	21.0	3	5	4	45.5	13.8	3.47	1	3
22829	105963	3	1	1	5	2	2	2	5	1	4	139	168	40	21.0	3	5	4	40.4	14.9	3.63	2	3
22830	105964	3	1	1	7	2	2	1	5	1	4	140	168	55	15.0	3	5	4	44.4	13.4	3.70	2	3
22831	105965	3	1	1	5	2	2	1	5	1	4	141	168	45	14.0	2	5	4	48.1	12.7	3.71	2	3
22832	105966	3	1	1	3	2	2	1	-	1	4	140	169	45	12.0	2	5	4	44.6	13.7	3.69	1	3
22833	105967	3	1	1	3	2	2	1	-	1	4	140	168	45	16.0	2	5	4	48.7	13.8	3.70	1	3
22834	105968	3	1	1	3	2	2	1	-	1	4	140	169	60	19.0	2	5	4	49.0	14.8	3.59	1	3
22835	105969	3	1	1	5	2	2	1	-	1	4	140	169	60	17.0	2	5	4	41.9	13.5	3.67	1	3
22836	105970	3	1	1	5	2	2	1	-	1	4	141	170	50	17.0	2	5	4	42.4	14.2	3.66	1	3
22837	105971	3	1	1	5	2	2	1	-	1	1	147	169	50	23.0	2	5	4	44.5	13.1	3.87	1	3
22838	105972	3	1	1	5	2	2	1	5	1	2	146	175	50	19.0	3	5	4	41.4	16.2	3.46	1	3
22839	105973	3	1	1	7	2	2	1	5	1	4	139	168	55	20.0	2	5	4	45.7	12.9	3.70	1	3
22840	105974	3	1	1	5	2	2	1	-	1	1	153	177	45	22.0	3	5	4	39.8	17.3	3.47	1	3
22841	105975	2	1	2	7	2	2	1	3	1	4	141	170	45	26.0	2	5	4	48.8	18.2	3.28	1	3
22842	105976	2	1	2	5	2	2	2	3	1	4	141	169	35	21.0	2	5	4	45.9	16.0	3.40	2	3
22843	105977	2	1	2	5	2	2	2	3	1	4	141	169	35	22.0	2	5	4	43.5	18.0	3.46	1	3
22844	105978	2	1	2	5	2	2	2	3	1	4	131	165	35	22.0	2	5	4	32.1	20.0	2.78	1	3
22845	105979	2	1	1	5	2	2	2	5	1	4	123	156	40	29.0	3	5	4	29.0	14.2	3.68	1	3
22846	105980	2	3	1	9	2	2	2	7	2	3	119	150	40	22.0	3	5	4	27.7	12.5	3.83	1	3
22847	105981	2	3	3	9	-	2	2	7	2	3	115	141	50	19.0	1	5	4	34.9	14.1	3.63	1	3
22848	105982	2	3	3	9	-	2	2	7	2	3	115	143	50	23.0	1	5	4	36.5	14.7	3.62	1	3
22849	105983	2	3	3	9	2	2	2	7	2	3	119	151	40	29.0	1	5	4	42.6	15.3	3.55	1	3
22850	105984	2	3	3	5	2	2	2	7	2	3	118	143	40	22.0	1	5	4	38.7	13.8	3.58	1	3
22851	105985	2	3	3	3	2	2	2	7	2	3	118	143	45	24.0	1	5	4	39.9	13.5	3.60	1	3
22852	105986	2	3	1	3	2	2	1	7	2	-	120	153	50	22.0	2	5	4	39.9	13.0	3.78	1	3
22853	105987	2	3	1	3	2	2	1	9	1	2	120	153	50	20.0	2	5	4	41.0	13.8	3.59	1	3
22854	105988	2	3	3	3	2	2	2	7	2	-	117	149	40	22.0	1	5	4	37.1	14.7	3.46	1	5
22855	105989	2	3	3	3	2	2	1	3	1	2	119	154	50	23.0	1	5	4	44.6	14.7	3.55	1	3
22856	105990	2	3	3	3	2	2	2	1	1	2	118	151	50	25.0	1	5	4	41.0	13.4	3.64	1	3
22857	105991	2	3	3	5	2	2	1	3	1	4	120	158	50	31.0	1	5	4	39.8	14.5	3.57	1	3
22858	105992	2	3	3	5	2	2	1	3	1	4	126	158	45	25.0	1	5	4	44.7	14.4	3.49	1	3
22859	105993	2	3	3	5	2	2	2	1	1	2	119	151	40	24.0	1	5	4	41.2	13.8	3.61	1	3
22860	105994	1	3	3	5	2	2	1	3	1	4	124	156	50	24.0	1	5	4	46.7	14.3	3.51	1	3
22861	105995	2	3	3	9	2	2	2	7	2	3	124	158	50	26.0	1	5	4	47.1	13.8	3.70	1	3
22862	105996	2	3	3	1	2	2	1	3	1	2	123	157	45	26.0	1	5	4	44.7	15.6	3.42	1	3
22863	105997	2	3	3	5	2	2	1	7	2	3	124	155	45	23.0	1	5	4	44.9	16.0	3.41	1	3
22864	105998	2	3	3	3	2	2	1	3	1	4	123	156	40	22.0	1	5	4	44.6	16.5	3.41	1	3
22865	105999	2	3	3	5	2	2	1	1	1	2	123	155	45	23.0	1	5	4	42.9	16.3	3.43	1	3
22866	106000	2	3	3	5	2	2	1	7	2	3	122	154	40	18.0	1	5	4	39.5	14.1	3.68	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22867	106001	-	3	3	5	2	2	1	3	1	2	125	161	50	20.0	1	5	4	46.6	16.0	3.49	1	3
22868	106002	-	3	3	5	2	2	2	3	1	2	123	154	45	25.0	1	5	4	45.3	15.5	3.53	1	5
22869	106003	-	3	3	5	2	2	2	3	1	2	125	157	50	22.0	1	5	4	46.8	15.2	3.65	1	3
22870	106004	-	3	3	5	2	2	2	3	1	2	122	155	50	21.0	1	5	4	47.3	14.1	3.62	1	3
22871	106005	-	3	3	7	2	2	1	7	2	3	132	161	55	30.0	1	5	4	51.6	16.7	3.48	2	3
22872	106006	-	3	3	5	2	2	1	3	1	4	133	155	50	23.0	1	5	4	43.9	15.6	3.56	1	3
22873	106007	-	3	3	5	2	2	1	3	1	4	131	160	45	17.0	2	5	4	46.4	15.6	3.57	1	3
22874	106008	-	3	3	3	2	2	1	3	1	4	132	161	50	27.0	2	5	4	49.3	15.1	3.50	1	3
22875	106009	-	3	1	9	2	2	2	7	2	5	122	153	50	27.0	2	5	4	39.0	15.2	3.45	1	3
22876	106010	-	3	3	5	2	2	1	7	2	3	117	149	50	23.0	1	5	4	38.9	14.0	3.60	1	3
22877	106011	-	3	1	9	2	2	1	7	2	3	119	150	55	20.0	1	5	4	41.0	13.9	3.64	1	3
22878	106012	-	3	1	9	2	2	2	7	2	5	118	150	55	21.0	-	5	4	32.9	13.8	3.55	1	5
22879	106013	-	3	1	9	2	2	2	7	2	5	119	150	60	25.0	1	5	4	35.5	13.9	3.58	1	3
22880	106014	-	3	1	9	2	2	2	7	2	5	119	151	60	21.0	1	5	4	38.9	14.7	3.58	1	3
22881	106015	-	3	3	9	2	2	1	7	2	3	117	149	60	26.0	1	5	4	41.0	14.4	3.63	1	3
22882	106016	-	3	1	5	2	2	2	7	1	-	119	153	50	17.0	1	5	4	31.9	15.2	3.46	1	3
22883	106017	-	3	1	9	2	2	1	7	2	3	132	160	55	26.0	2	5	4	45.7	14.3	3.76	1	3
22884	106018	-	3	1	5	2	2	2	9	1	2	121	153	55	24.0	1	5	4	34.3	14.3	3.58	1	3
22885	106019	-	3	1	9	2	2	2	7	2	3	126	160	55	18.0	-	5	4	42.5	14.1	3.77	1	3
22886	106020	-	3	1	5	2	2	2	9	1	2	119	153	65	17.0	1	5	4	37.8	14.3	3.56	1	3
22887	106021	-	3	3	9	2	2	1	7	2	3	122	152	60	21.0	1	5	4	42.3	14.4	3.45	1	3
22888	106022	-	3	3	5	2	2	2	3	1	4	122	154	50	20.0	1	5	4	51.6	16.6	3.32	1	3
22889	106023	-	3	3	5	2	2	1	3	1	4	120	154	50	24.0	1	5	4	44.0	15.6	3.78	1	3
22890	106024	-	3	3	7	2	2	1	7	2	3	137	161	50	17.0	1	5	4	58.9	16.2	3.60	1	3
22891	106025	-	3	3	7	2	2	2	7	2	3	139	161	65	18.0	1	5	4	54.7	16.3	3.52	1	3
22892	106026	-	3	3	9	2	2	2	7	2	3	138	162	50	19.0	1	5	4	58.7	15.2	3.67	1	3
22893	106027	-	3	3	7	2	2	1	7	2	3	139	162	50	24.0	1	5	4	59.5	16.6	3.67	1	3
22894	106028	-	3	1	5	2	2	1	9	1	2	123	156	50	24.0	1	5	4	44.3	14.8	3.53	1	3
22895	106029	-	3	3	5	2	2	2	7	2	3	113	148	50	25.0	1	5	4	37.9	14.6	3.58	1	3
22896	106030	-	3	1	9	2	2	2	7	2	3	122	157	60	22.0	2	5	4	37.0	13.9	3.58	1	3
22897	106031	-	3	1	5	2	2	1	7	1	5	123	158	60	16.0	2	5	4	41.1	15.7	3.44	1	5
22898	106032	-	3	3	9	2	2	1	7	2	3	117	149	55	22.0	1	5	4	37.5	15.6	3.41	1	3
22899	106033	-	3	3	3	2	2	1	3	1	4	116	152	50	26.0	1	5	4	40.4	13.6	3.60	1	3
22900	106034	-	3	3	3	2	2	2	3	1	-	119	151	40	20.0	1	5	4	42.7	13.5	3.70	1	3
22901	106035	-	3	3	3	2	2	1	3	1	-	118	152	50	22.0	1	5	4	41.5	13.8	3.61	1	3
22902	106036	-	3	3	5	2	2	2	3	1	-	119	152	40	22.0	1	5	4	42.8	13.9	3.57	2	3
22903	106037	-	3	3	5	2	2	2	7	2	3	118	151	45	23.0	1	5	4	39.3	13.9	3.59	1	3
22904	106038	-	3	3	5	2	2	2	7	2	3	119	150	40	23.0	1	5	4	40.0	13.2	3.76	1	3
22905	106039	-	3	3	9	2	2	1	7	2	-	116	150	45	24.0	1	5	4	36.1	14.0	3.61	1	3
22906	106040	-	3	3	9	2	2	2	7	2	3	139	157	45	25.0	2	5	4	46.8	15.2	3.47	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22907	106041	-	2	3	9	2	2	1	7	2	3	138	157	50	23.0	2	5	4	45.2	15.5	3.48	1	3
22908	106042	-	2	1	5	2	2	2	3	1	4	124	154	55	22.0	2	5	4	34.9	13.0	3.83	1	3
22909	106043	-	3	1	5	2	2	2	3	1	4	123	155	45	21.0	2	5	4	33.7	13.6	3.59	1	3
22910	106044	-	3	3	5	2	2	2	7	2	3	119	150	40	22.0	1	5	4	39.4	14.0	3.56	1	3
22911	106045	-	3	3	9	2	2	2	7	2	3	119	151	40	24.0	1	5	4	45.3	14.3	3.58	1	3
22912	106046	-	3	3	7	2	2	2	7	2	3	122	153	50	26.0	1	5	4	43.4	14.7	3.53	1	5
22913	106047	-	3	3	9	2	2	2	7	2	3	119	151	50	24.0	1	5	4	41.4	14.8	3.56	1	3
22914	106048	-	3	1	1	2	2	2	3	1	4	122	154	50	20.0	2	5	4	34.9	15.7	3.48	1	3
22915	106049	-	3	3	5	2	2	1	3	1	4	139	164	50	20.0	2	5	4	46.2	16.1	3.66	1	3
22916	106050	-	2	1	5	2	2	1	7	1	-	139	169	55	20.0	2	5	4	31.9	16.8	3.48	1	3
22917	106051	-	2	3	5	2	2	1	5	1	4	134	164	50	27.0	2	5	4	41.7	15.5	3.59	1	3
22918	106052	-	2	-	5	2	2	2	7	2	3	-	158	50	19.0	-	5	4	41.7	17.2	3.42	1	3
22919	106053	-	2	3	5	2	2	1	3	1	4	133	161	50	23.0	2	5	4	46.8	15.8	3.51	1	3
22920	106054	-	2	3	5	2	2	1	3	2	3	137	167	65	24.0	1	5	4	50.7	16.6	3.56	1	3
22921	106055	-	3	3	7	2	2	1	7	2	3	124	161	55	26.0	1	5	4	49.8	17.0	3.48	1	3
22922	106056	-	3	3	7	2	2	2	7	1	2	134	156	50	26.0	1	5	4	45.8	16.3	3.44	1	5
22923	106057	-	3	3	9	2	2	1	9	2	3	124	156	45	17.0	1	5	4	47.3	17.3	3.35	1	3
22924	106058	-	2	3	5	2	2	1	7	1	4	130	157	45	19.0	1	5	4	45.1	16.4	3.36	1	3
22925	106059	-	3	3	5	2	2	2	7	2	3	120	151	55	23.0	1	5	4	41.6	14.5	3.59	1	3
22926	106060	-	3	3	9	2	2	2	9	1	2	122	156	50	17.0	1	5	4	41.8	14.5	3.70	1	3
22927	106061	-	2	3	9	2	2	1	7	2	3	132	164	50	26.0	1	5	4	45.7	15.3	3.59	1	3
22928	106062	-	3	3	9	2	2	1	7	2	3	120	154	45	26.0	1	5	4	47.9	15.0	3.80	1	3
22929	106063	-	3	3	5	2	2	1	3	1	4	125	156	50	20.0	1	5	4	49.5	17.1	3.37	1	3
22930	106064	-	3	3	9	2	2	1	7	2	3	122	154	45	24.0	1	5	4	43.3	15.3	3.45	1	3
22931	106065	-	3	3	7	2	2	1	9	1	2	123	156	55	29.0	1	5	4	39.6	14.4	3.63	1	3
22932	106066	-	3	3	7	2	2	2	9	1	2	121	153	50	22.0	1	5	4	40.5	14.4	3.57	1	3
22933	106067	-	3	3	7	2	2	1	7	2	3	122	154	40	28.0	1	5	4	41.3	13.9	3.62	1	3
22934	106068	-	3	3	7	2	2	1	7	2	3	133	156	45	22.0	1	5	4	43.6	14.2	3.60	1	3
22935	106069	-	3	3	5	2	2	1	9	1	2	121	154	50	27.0	1	5	4	39.0	14.9	3.62	1	3
22936	106070	-	3	3	5	2	2	2	9	1	2	119	151	55	26.0	1	5	4	39.7	14.5	3.58	1	3
22937	106071	-	3	3	5	2	2	1	9	1	2	120	154	50	26.0	1	5	4	38.0	15.4	3.51	1	3
22938	106072	-	3	3	5	2	2	2	9	1	2	120	154	50	27.0	1	5	4	40.5	15.2	3.58	1	3
22939	106073	-	3	3	5	2	2	1	9	1	2	123	156	50	23.0	1	5	4	44.0	16.0	3.47	1	3
22940	106074	-	3	3	5	2	2	2	3	1	4	122	156	50	20.0	-	5	4	35.3	14.0	3.62	1	3
22941	106075	-	3	3	5	2	2	2	9	1	2	120	154	60	26.0	-	5	4	40.8	15.8	3.49	1	5
22942	106076	-	3	3	9	2	2	2	7	2	3	122	154	55	24.0	1	5	4	50.4	14.3	3.53	1	5
22943	106077	-	3	3	9	2	2	1	7	2	3	123	156	50	22.0	1	5	4	43.4	15.0	3.50	1	3
22944	106078	-	3	3	9	2	2	1	7	2	3	123	156	50	16.0	1	5	4	39.8	13.8	3.65	1	3
22945	106079	-	3	3	5	2	2	1	9	1	2	124	153	50	22.0	1	5	4	38.6	14.5	3.53	1	3
22946	106080	-	3	3	7	2	2	2	7	2	3	119	152	55	25.0	1	5	4	43.3	14.6	3.56	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22947	106081	-	3	3	7	2	2	1	7	2	3	117	150	60	26.0	1	5	4	40.1	13.5	3.70	1	3
22948	106082	-	2	3	5	2	2	1	9	1	2	139	160	45	21.0	1	5	4	44.2	17.0	3.37	1	3
22949	106083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22950	106084	-	2	3	7	2	2	1	7	2	3	134	160	45	21.0	1	5	4	55.2	14.8	3.58	1	3
22951	106085	-	3	3	7	2	2	1	7	2	3	123	158	50	25.0	1	5	4	48.3	15.2	3.63	1	3
22952	106086	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22953	106087	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22954	106088	-	3	3	5	2	2	2	9	1	-	116	152	50	20.0	1	5	4	40.9	15.2	3.61	1	3
22955	106089	-	3	3	9	2	2	2	7	1	-	118	153	60	25.0	1	5	4	43.9	16.1	3.46	1	3
22956	106090	-	3	3	3	2	2	2	3	1	2	117	152	45	18.0	1	5	4	41.0	14.8	3.59	1	3
22957	106091	-	3	3	3	2	2	2	3	1	2	117	149	50	20.0	1	5	4	42.2	15.3	3.58	1	5
22958	106092	-	3	3	1	2	2	2	3	1	2	117	150	50	27.0	1	5	4	42.2	14.0	3.67	1	3
22959	106093	-	3	3	9	2	2	2	7	2	3	119	153	45	22.0	1	5	4	41.0	15.7	3.49	1	3
22960	106094	-	3	3	5	2	2	2	3	1	2	119	153	50	24.0	1	5	4	40.1	13.9	3.60	1	3
22961	106095	-	3	3	7	2	2	1	7	2	3	119	153	50	22.0	1	5	4	40.7	15.1	3.51	1	3
22962	106096	-	3	3	7	2	2	1	3	1	-	121	154	50	22.0	1	5	4	39.5	13.8	3.68	1	3
22963	106097	-	3	3	1	2	2	1	3	1	4	124	156	50	24.0	1	5	4	45.6	14.8	3.58	2	3
22964	106098	-	3	3	5	2	2	1	3	1	2	124	163	50	24.0	1	5	4	47.2	16.1	3.43	2	3
22965	106099	-	3	3	5	2	2	1	3	1	-	126	158	50	24.0	1	5	4	45.0	15.1	3.36	1	3
22966	106100	-	3	3	5	2	2	2	3	1	2	117	148	45	17.0	1	5	4	37.6	13.3	3.70	1	3
22967	106101	-	3	3	5	2	2	2	3	1	-	118	152	50	26.0	1	5	4	42.6	14.1	3.68	1	3
22968	106102	-	3	3	5	2	2	2	3	1	2	119	153	50	22.0	1	5	4	40.1	14.4	3.61	1	3
22969	106103	-	3	3	5	2	2	2	3	1	2	119	153	45	20.0	1	5	4	41.7	15.6	3.48	1	3
22970	106104	-	3	3	7	2	2	2	9	1	2	122	153	55	32.0	1	5	4	45.0	13.5	3.72	1	3
22971	106105	-	3	3	5	2	2	2	3	1	2	116	146	50	29.0	1	5	4	40.0	14.0	3.70	1	3
22972	106106	-	3	3	5	2	2	2	3	1	2	119	152	50	27.0	1	5	4	40.2	14.0	3.56	1	3
22973	106107	-	3	3	5	2	2	2	3	1	2	117	151	50	27.0	1	5	4	38.8	14.6	3.62	1	3
22974	106108	-	3	3	7	2	2	2	3	1	2	117	148	50	24.0	1	5	4	39.3	13.7	3.74	1	5
22975	106109	-	3	3	5	2	2	2	3	1	2	119	151	50	29.0	1	5	4	42.8	13.6	3.71	1	3
22976	106110	-	3	3	5	2	2	2	3	1	2	118	148	40	22.0	1	5	4	38.7	13.5	3.72	1	3
22977	106111	-	3	3	1	2	2	1	3	1	2	119	151	45	24.0	1	5	4	39.8	13.8	3.65	1	3
22978	106112	-	3	3	3	2	2	1	3	1	2	122	154	50	24.0	1	5	4	46.3	14.3	3.84	1	3
22979	106113	-	3	1	7	2	2	1	7	2	3	123	157	50	19.0	2	5	4	40.9	13.7	3.74	1	3
22980	106114	-	2	1	5	2	2	1	9	1	2	124	157	45	24.0	2	5	4	37.0	13.1	3.77	1	3
22981	106115	-	2	1	5	2	2	1	9	1	2	124	157	45	22.0	1	5	4	43.4	13.3	3.73	1	3
22982	106116	-	2	3	5	2	2	1	9	1	2	134	161	45	22.0	1	5	4	46.4	14.6	3.67	1	3
22983	106117	-	2	3	5	2	2	1	3	1	2	133	161	50	24.0	1	5	4	47.3	14.8	3.63	1	3
22984	106118	-	3	3	9	2	2	1	7	2	3	116	151	55	22.0	1	5	4	48.1	15.3	3.44	1	3
22985	106119	-	3	3	5	2	2	2	3	1	4	118	-	50	28.0	1	5	4	-	-	-	1	3
22986	106120	-	3	3	9	2	2	1	7	2	3	116	151	60	26.0	1	5	4	45.2	15.6	3.43	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
22987	106121	-	3	3	3	2	2	2	3	1	4	117	151	65	28.0	1	5	4	46.8	15.5	3.80	1	5
22988	106122	-	3	3	3	2	2	1	3	1	4	114	145	60	25.0	1	5	4	40.1	14.1	3.54	1	5
22989	106123	-	2	1	3	2	2	1	3	1	-	131	164	55	20.0	2	5	4	43.7	15.3	3.57	1	3
22990	106124	-	3	3	5	2	2	1	9	2	5	125	161	60	25.0	1	5	4	46.7	16.9	3.34	1	3
22991	106125	-	3	3	5	2	2	1	9	1	2	119	152	60	25.0	1	5	4	43.5	13.1	3.77	1	5
22992	106126	-	3	3	5	2	2	1	3	1	2	124	153	50	20.0	1	5	4	41.9	14.8	3.78	1	3
22993	106127	-	3	3	5	2	2	1	9	1	2	132	163	60	20.0	1	5	4	52.4	15.4	3.56	1	5
22994	106128	-	3	3	5	2	2	1	3	1	4	119	154	60	24.0	1	5	4	49.6	14.4	3.65	1	3
22995	106129	-	3	3	5	2	2	2	7	2	3	117	150	50	27.0	1	5	4	43.6	15.0	3.50	1	3
22996	106130	-	3	3	9	2	2	2	7	2	2	117	149	60	25.0	1	5	4	46.7	14.7	3.55	1	3
22997	106131	-	3	3	7	2	2	1	7	2	3	124	154	65	26.0	1	5	4	51.0	-	-	1	3
22998	106132	-	3	3	7	2	2	1	7	2	3	122	154	50	26.0	1	5	4	46.5	15.4	3.52	2	3
22999	106133	-	3	3	5	2	2	1	3	1	4	133	165	50	23.0	2	5	4	53.1	15.6	3.52	1	3
23000	106134	-	2	3	9	2	2	1	7	2	3	134	163	45	20.0	1	5	4	50.6	16.9	3.47	2	3
23001	106135	-	2	-	7	2	2	1	7	2	3	-	-	50	-	-	5	-	51.5	15.6	3.63	1	3
23002	106136	-	3	3	5	2	2	1	3	1	-	121	154	45	20.0	1	5	4	43.4	16.1	3.41	1	3
23003	106137	-	3	2	5	2	2	1	3	1	-	132	164	55	21.0	2	5	4	52.2	17.3	3.45	1	3
23004	106138	-	2	2	5	2	1	1	3	1	-	133	164	50	24.0	2	5	4	40.1	17.4	3.36	1	3
23005	106139	-	2	3	7	2	2	1	7	2	3	139	167	60	24.0	1	5	4	52.2	17.2	3.57	1	3
23006	106140	-	3	3	3	2	2	2	3	1	4	123	154	60	22.0	-	5	4	35.5	15.6	3.32	2	3
23007	106141	-	3	3	7	2	2	2	7	1	3	122	154	55	30.0	1	5	4	44.4	14.9	3.59	1	3
23008	106142	-	3	3	9	2	2	1	7	2	3	121	153	65	19.0	1	5	4	45.2	14.6	3.59	1	5
23009	106143	-	2	2	5	2	2	1	3	1	4	134	167	60	24.0	2	5	4	39.5	14.9	3.60	1	3
23010	106144	-	2	2	3	2	2	1	3	1	4	139	167	50	26.0	2	5	4	47.6	16.2	3.51	1	3
23011	106145	-	3	2	7	2	2	1	3	1	4	132	164	50	17.0	3	5	4	49.6	17.2	3.49	1	3
23012	106146	-	3	3	7	2	2	1	9	1	2	122	154	60	23.0	1	5	4	39.7	15.7	3.51	1	3
23013	106147	-	2	3	9	2	2	2	7	2	3	125	162	60	25.0	2	5	4	37.1	15.1	3.60	2	5
23014	106148	-	3	-	5	2	2	1	3	1	-	124	161	60	-	-	5	4	38.9	14.9	3.65	2	3
23015	106149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23016	106150	-	3	1	5	2	2	2	3	1	4	122	154	55	22.0	2	5	4	36.7	13.4	3.77	1	3
23017	106151	-	2	1	5	2	2	2	3	1	4	123	162	55	25.0	2	5	4	40.5	12.8	3.56	1	3
23018	106152	-	2	1	7	2	2	2	9	1	2	130	157	50	20.0	1	5	4	38.8	14.5	3.63	2	3
23019	106153	-	3	1	5	2	2	2	9	1	2	124	154	45	21.0	-	5	4	39.9	14.5	3.68	1	3
23020	106154	-	3	1	5	2	2	2	3	1	4	124	156	50	19.0	3	5	4	38.7	14.4	3.71	1	3
23021	106155	-	3	1	5	2	2	1	9	1	2	125	156	50	20.0	2	5	4	38.9	14.7	3.65	1	3
23022	106156	-	3	1	5	2	2	2	3	1	4	138	168	55	20.0	3	5	4	38.6	15.0	3.70	1	3
23023	106157	-	2	-	5	2	2	1	3	1	4	139	165	45	-	2	5	4	46.5	15.8	3.59	1	3
23024	106158	-	2	3	7	2	2	1	9	1	2	133	160	50	19.0	1	5	4	49.2	16.1	3.55	1	3
23025	106159	-	2	1	5	2	2	2	9	1	4	126	158	50	20.0	2	5	4	41.0	15.0	3.65	1	3
23026	106160	-	2	1	7	2	2	1	9	1	2	132	163	55	18.0	1	5	4	46.7	-	-	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23027	106161	-	2	1	5	2	2	1	7	2	3	140	163	50	12.0	2	5	4	38.6	17.2	3.56	1	3
23028	106162	-	2	3	3	2	2	1	9	1	2	140	168	55	14.0	1	5	4	35.7	18.5	3.36	1	3
23029	106163	-	3	3	5	2	2	1	9	1	2	133	158	50	16.0	1	5	4	41.9	16.7	3.54	1	3
23030	106164	-	3	1	5	2	2	1	3	1	4	133	165	50	16.0	2	5	4	38.6	16.1	3.58	1	3
23031	106165	-	3	1	5	2	2	1	3	1	4	131	161	55	21.0	2	5	4	43.4	15.0	3.63	1	3
23032	106166	-	3	-	7	2	2	1	3	1	2	123	157	55	-	1	5	4	48.4	13.5	3.64	2	3
23033	106167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23034	106168	-	3	1	9	2	2	1	9	1	2	123	156	50	14.0	1	5	4	43.4	15.2	3.48	1	3
23035	106169	-	3	1	5	2	2	2	9	1	2	124	154	50	18.0	2	5	4	46.8	14.6	3.57	1	3
23036	106170	-	3	1	5	2	2	1	7	2	3	123	154	50	18.0	1	5	4	35.9	14.8	3.60	1	3
23037	106171	-	3	1	5	2	2	1	9	1	2	121	153	50	22.0	1	5	4	42.1	13.5	3.72	1	3
23038	106172	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23039	106173	-	3	1	5	2	2	1	7	2	3	120	153	55	19.0	2	5	4	33.7	13.5	3.64	1	3
23040	106174	-	3	1	5	2	2	1	7	2	3	123	157	60	20.0	2	5	4	35.3	13.7	3.66	1	3
23041	106175	-	3	1	5	2	2	1	9	1	-	123	153	55	21.0	2	5	4	31.7	13.7	3.53	1	3
23042	106176	-	3	2	5	2	1	1	3	1	-	121	153	50	20.0	2	5	4	42.5	16.9	3.55	1	3
23043	106177	-	3	2	5	2	1	1	3	1	-	123	153	50	25.0	2	5	4	44.8	15.9	3.44	1	3
23044	106178	-	3	1	5	2	2	1	3	1	4	133	165	60	20.0	2	5	4	38.7	16.8	3.49	1	3
23045	106179	-	3	2	5	2	2	2	1	1	4	119	153	50	19.0	2	5	4	43.3	14.5	3.57	2	3
23046	106180	-	3	1	7	2	2	1	9	1	5	118	153	50	16.0	2	5	4	35.8	15.7	3.49	1	3
23047	106181	-	3	1	9	2	2	1	7	2	3	119	149	55	18.0	1	5	4	31.8	13.8	3.69	1	3
23048	106182	-	2	3	7	2	2	1	7	1	-	131	163	60	16.0	1	5	4	44.3	15.6	3.71	1	3
23049	106183	-	3	1	5	2	2	1	9	1	5	124	154	45	19.0	2	5	4	33.8	15.1	3.56	1	3
23050	106184	-	3	1	5	2	2	1	3	1	4	130	157	45	16.0	2	5	4	36.1	12.8	4.06	1	3
23051	106185	-	3	1	5	2	2	2	9	1	-	123	153	50	17.0	2	5	4	39.1	14.3	3.84	1	3
23052	106186	-	3	2	5	2	2	1	3	1	4	128	158	50	23.0	3	5	4	48.7	16.9	3.39	1	3
23053	106187	-	2	-	5	2	2	1	7	2	3	130	161	45	14.0	1	5	4	41.3	15.8	3.50	1	3
23054	106188	-	3	1	5	2	2	1	3	1	4	131	158	50	17.0	2	5	4	35.7	14.8	3.62	1	3
23055	106189	-	3	1	9	2	2	2	7	1	3	119	152	50	16.0	1	5	4	32.6	14.1	3.68	2	5
23056	106190	-	3	1	9	2	2	1	7	1	-	119	153	50	17.0	1	5	4	37.7	14.5	3.71	1	3
23057	106191	-	3	1	9	2	2	2	7	1	3	119	152	50	19.0	1	5	4	36.7	15.2	3.56	1	3
23058	106192	-	3	-	9	2	2	2	7	2	3	118	153	50	21.0	1	5	4	40.4	14.6	3.50	1	3
23059	106193	-	3	3	5	2	2	1	7	1	3	116	150	50	24.0	1	5	4	41.4	13.7	3.67	1	3
23060	106194	-	3	1	5	2	2	1	9	1	2	121	155	60	14.0	2	5	4	36.9	15.5	3.48	1	3
23061	106195	-	3	1	5	2	2	1	9	1	2	122	157	50	19.0	2	5	4	40.0	15.4	3.53	1	3
23062	106196	-	3	1	5	2	2	1	9	1	2	123	157	50	17.0	2	5	4	43.2	14.6	3.63	1	3
23063	106197	-	3	1	9	2	2	1	7	2	3	122	158	50	17.0	2	5	4	37.7	14.9	3.64	2	3
23064	106198	-	2	-	5	2	2	1	3	1	4	132	164	45	16.0	1	5	4	41.1	14.2	3.94	1	3
23065	106199	-	3	1	7	2	2	1	7	2	3	123	157	50	14.0	2	5	4	42.9	16.0	3.55	2	3
23066	106200	-	3	1	5	2	2	2	3	1	2	119	152	50	19.0	1	5	4	32.3	13.7	3.86	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23067	106201	-	3	1	5	2	2	2	9	1	2	120	151	50	14.0	1	5	4	31.7	12.8	3.71	1	3
23068	106202	-	3	1	7	2	2	1	7	1	5	124	160	60	18.0	1	5	4	44.5	15.0	3.57	1	3
23069	106203	-	3	1	5	2	2	1	3	1	4	126	161	45	12.0	1	5	4	48.8	15.0	3.56	1	3
23070	106204	-	3	-	7	2	2	1	7	1	2	130	161	50	19.0	1	5	4	43.2	15.8	3.54	2	3
23071	106205	-	2	-	7	2	2	1	9	1	2	129	164	55	21.0	1	5	4	45.6	-	-	1	3
23072	106206	-	2	1	9	2	2	1	7	2	3	133	161	45	13.0	2	5	4	38.7	14.3	3.84	1	3
23073	106207	-	2	3	7	2	2	1	9	1	2	127	158	45	15.0	1	5	4	47.5	14.5	3.86	1	3
23074	106208	-	3	-	3	2	2	2	9	1	2	120	152	55	20.0	1	5	4	33.0	13.8	3.66	1	3
23075	106209	-	3	-	5	2	2	2	9	1	2	122	152	50	18.0	1	5	4	32.2	13.3	3.61	1	3
23076	106210	-	3	1	3	2	2	2	3	1	4	119	153	50	20.0	3	5	4	38.2	13.1	3.77	1	3
23077	106211	-	2	1	7	2	2	1	7	1	-	134	163	50	17.0	2	5	4	40.6	15.5	3.53	2	3
23078	106212	-	1	1	5	2	2	1	3	1	4	133	163	45	17.0	1	5	4	40.8	15.5	3.59	1	3
23079	106213	-	2	1	5	2	2	2	3	1	4	132	163	45	17.0	2	5	4	41.6	15.3	3.60	1	3
23080	106214	-	2	1	3	2	2	2	9	1	2	123	162	65	20.0	2	5	4	37.6	13.3	3.73	2	3
23081	106215	-	3	-	7	2	2	1	9	1	2	125	162	60	20.0	2	5	4	41.6	14.3	3.61	2	5
23082	106216	-	3	1	7	2	2	1	3	1	4	119	153	50	16.0	3	5	4	35.4	13.5	3.80	1	3
23083	106217	-	3	1	7	2	2	1	9	1	2	124	158	50	20.0	1	5	4	45.0	15.8	3.48	1	3
23084	106218	-	3	1	3	2	2	2	9	1	2	119	151	50	20.0	1	5	4	30.9	12.3	3.80	1	3
23085	106219	-	2	1	5	2	2	1	3	1	4	124	163	50	13.0	2	5	4	44.2	14.3	3.91	2	3
23086	106220	-	3	1	5	2	2	1	3	1	4	121	154	55	20.0	2	5	4	36.4	13.7	3.79	1	3
23087	106221	-	3	1	7	2	2	1	7	2	3	122	158	70	19.0	1	5	4	40.7	15.0	3.86	1	3
23088	106222	-	3	1	5	2	2	1	3	1	4	122	157	55	20.0	2	5	4	43.2	14.3	3.60	1	3
23089	106223	-	3	1	3	2	2	1	7	2	3	130	157	50	17.0	2	5	4	40.9	13.1	3.96	1	3
23090	106224	-	3	1	3	2	2	1	3	1	4	133	161	45	14.0	2	5	4	38.1	15.3	3.53	1	3
23091	106225	-	2	3	3	2	2	1	9	1	2	138	161	45	20.0	1	5	4	46.0	15.1	3.65	1	3
23092	106226	-	2	-	7	2	2	1	9	1	2	131	164	50	20.0	1	5	4	46.3	16.2	3.51	1	3
23093	106227	-	3	1	5	2	2	1	9	1	2	120	154	55	19.0	2	5	4	37.7	13.8	3.98	1	3
23094	106228	-	3	1	3	2	2	1	9	1	2	121	153	50	18.0	1	5	4	38.1	13.8	3.66	1	3
23095	106229	-	3	1	3	2	2	1	9	1	2	121	153	50	19.0	2	5	4	35.5	13.1	3.72	1	3
23096	106230	-	2	-	7	2	2	1	7	2	3	-	163	55	-	-	5	4	35.9	15.8	3.61	1	3
23097	106231	-	3	1	5	2	2	1	7	1	3	121	157	50	22.0	2	5	4	45.2	14.6	3.63	2	3
23098	106232	-	3	1	5	2	2	1	3	1	4	123	154	50	17.0	2	5	4	37.5	-	-	2	3
23099	106233	-	2	-	5	2	2	1	9	1	2	132	164	50	17.0	1	5	4	45.1	15.5	3.59	2	3
23100	106234	-	3	3	5	2	2	1	9	1	2	118	151	45	25.0	1	5	4	37.2	13.7	3.66	1	3
23101	106235	-	3	3	5	2	2	1	9	1	2	122	156	45	17.0	1	5	4	46.0	14.1	3.62	2	3
23102	106236	-	3	1	3	2	2	1	3	1	4	119	153	45	20.0	2	5	4	38.4	13.0	3.83	1	3
23103	106237	-	3	1	5	2	2	1	3	1	4	132	161	50	20.0	2	5	4	39.6	15.2	3.62	1	3
23104	106238	-	3	1	5	2	2	1	7	1	3	133	163	40	14.0	2	5	4	36.9	15.3	3.66	1	3
23105	106239	-	3	1	5	2	2	1	3	1	4	126	161	55	15.0	2	5	4	40.3	11.9	4.28	1	3
23106	106240	-	3	1	5	2	2	1	7	1	2	133	164	45	15.0	2	5	4	37.6	15.1	3.70	2	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23107	106241	-	3	1	5	2	2	1	9	1	2	119	150	50	14.0	1	5	4	32.0	13.0	3.75	1	3
23108	106242	-	2	1	5	2	2	1	3	1	4	130	164	50	15.0	1	5	4	37.7	14.5	3.71	1	3
23109	106243	-	2	1	7	2	2	1	7	2	3	130	163	50	16.0	2	5	4	37.2	15.3	3.60	2	3
23110	106244	-	2	1	5	2	2	1	3	1	4	140	168	60	18.0	3	5	4	28.1	17.0	3.48	1	3
23111	106245	-	2	-	5	2	2	1	3	1	2	144	168	55	17.0	1	5	4	38.0	18.4	3.41	1	3
23112	106246	-	2	1	3	2	2	1	7	1	3	125	157	50	16.0	2	5	4	38.5	14.0	3.67	1	3
23113	106247	-	2	-	5	2	2	1	3	1	4	134	164	50	18.0	1	5	4	39.8	16.0	3.68	1	3
23114	106248	-	3	1	3	2	2	2	3	1	4	122	153	50	18.0	2	5	4	33.0	14.0	3.64	1	3
23115	106249	-	3	1	7	2	2	2	7	1	3	119	151	55	18.0	2	5	4	28.9	15.7	3.43	1	3
23116	106250	-	3	1	9	2	2	1	7	2	3	119	156	55	21.0	2	5	4	34.6	14.9	3.50	1	3
23117	106251	-	3	1	5	2	2	1	3	1	4	124	154	50	19.0	2	5	4	33.6	11.5	4.26	1	3
23118	106252	-	3	1	9	2	2	2	7	2	3	121	154	60	19.0	2	5	4	36.8	14.0	3.59	1	3
23119	106253	-	3	1	5	2	2	2	7	1	3	119	151	55	20.0	2	5	4	36.7	14.4	3.54	1	5
23120	106254	-	3	1	7	2	2	1	7	2	3	124	159	55	15.0	2	5	4	40.7	14.6	3.56	1	3
23121	106255	-	3	1	5	2	2	2	3	1	4	128	157	45	17.0	2	5	4	35.5	17.3	3.23	1	3
23122	106256	-	2	3	5	2	2	1	9	1	2	139	164	50	14.0	1	5	4	49.5	16.4	3.49	2	3
23123	106257	-	3	1	5	2	2	2	9	1	2	119	150	55	19.0	2	5	4	32.5	13.5	3.64	2	3
23124	106258	-	2	1	9	2	2	1	7	2	3	127	159	50	22.0	2	5	4	41.1	13.6	3.81	1	3
23125	106259	-	2	1	9	2	2	1	7	2	3	130	161	45	17.0	2	5	4	41.0	15.3	3.60	1	3
23126	106260	-	3	1	9	2	2	2	7	2	3	120	152	50	27.0	1	5	4	37.5	14.4	3.58	1	3
23127	106261	-	3	1	3	2	2	1	3	1	4	129	161	50	20.0	2	5	4	41.3	15.3	3.72	1	3
23128	106262	-	3	-	7	2	2	1	9	1	2	129	161	50	17.0	1	5	4	46.6	15.9	3.52	1	3
23129	106263	-	3	1	9	2	2	2	7	2	3	119	152	55	28.0	1	5	4	36.1	13.4	3.69	2	3
23130	106264	-	2	-	5	2	2	1	9	1	2	129	161	50	19.0	1	5	4	49.0	15.2	3.57	1	3
23131	106265	-	2	1	5	2	2	1	3	1	4	131	161	45	18.0	2	5	4	40.1	16.0	3.62	1	3
23132	106266	-	3	1	3	2	2	2	3	1	4	120	153	50	19.0	2	5	4	33.6	12.4	3.73	1	3
23133	106267	-	3	1	7	2	2	1	7	2	3	121	158	50	27.0	1	5	4	44.5	17.3	3.52	1	3
23134	106268	-	3	1	3	2	2	2	7	2	3	121	153	50	15.0	2	5	4	33.0	13.3	3.62	1	3
23135	106269	-	3	1	5	2	2	1	3	1	4	123	157	40	15.0	2	5	4	40.4	13.2	4.09	1	3
23136	106270	-	2	2	5	2	2	1	3	1	4	128	163	50	17.0	1	5	4	46.7	-	-	1	3
23137	106271	-	3	1	5	2	2	1	7	2	3	122	157	55	17.0	2	5	4	39.5	15.0	3.52	1	3
23138	106272	-	3	1	5	2	2	2	7	2	3	121	153	60	19.0	2	5	4	33.5	13.3	3.58	1	3
23139	106273	-	3	1	5	2	2	1	3	1	4	122	156	50	15.0	2	5	4	39.4	14.9	3.89	1	3
23140	106274	-	3	1	7	2	2	1	9	1	2	126	156	50	18.0	1	5	4	47.8	14.5	3.54	1	3
23141	106275	-	3	-	7	2	2	1	9	1	2	126	156	50	17.0	1	5	4	45.4	14.8	3.54	1	3
23142	106276	-	3	3	5	2	2	1	9	1	2	140	157	45	16.0	1	5	4	45.0	18.2	3.57	1	3
23143	106277	-	3	1	9	2	2	1	7	2	3	123	156	45	19.0	1	5	4	43.2	14.3	3.69	1	3
23144	106278	-	3	3	5	2	2	1	3	1	2	125	160	45	18.0	1	5	4	47.6	16.5	3.63	1	3
23145	106279	-	3	1	5	2	2	1	9	1	2	119	153	55	16.0	2	5	4	38.3	15.5	3.67	1	3
23146	106280	-	3	-	3	2	2	1	7	2	3	118	153	60	20.0	1	5	4	37.4	13.9	3.66	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23147	106281	-	3	-	5	2	2	2	3	1	2	118	150	55	21.0	-	5	4	37.0	14.5	3.86	1	3
23148	106282	-	3	1	3	2	2	2	3	1	4	119	152	55	17.0	2	5	4	39.7	14.9	3.75	1	5
23149	106283	-	2	-	3	2	2	1	3	1	4	130	158	45	14.0	2	5	4	42.3	14.1	3.75	1	3
23150	106284	-	3	1	5	2	2	1	7	1	-	120	154	55	24.0	2	5	4	38.0	14.0	3.92	1	3
23151	106285	-	3	1	5	2	2	1	7	1	3	121	154	50	22.0	2	5	4	35.5	13.1	4.04	1	3
23152	106286	-	3	1	7	2	2	1	7	2	3	123	157	55	20.0	2	5	4	41.1	14.1	3.60	2	3
23153	106287	-	3	1	7	2	2	1	7	2	3	125	157	50	19.0	3	5	4	39.4	13.0	3.72	1	3
23154	106288	-	2	1	5	2	2	1	3	1	4	123	157	45	16.0	2	5	4	39.1	14.2	3.60	1	3
23155	106289	-	3	1	5	2	2	1	5	1	5	122	157	50	18.0	1	5	4	40.7	13.1	3.73	1	3
23156	106290	-	3	1	5	2	2	1	3	1	4	123	154	50	14.0	2	5	4	36.7	13.3	3.63	1	3
23157	106291	-	3	1	3	2	2	1	7	1	3	120	153	50	20.0	2	5	4	32.8	13.3	3.59	1	3
23158	106292	-	2	1	5	2	2	1	9	1	2	124	156	35	15.0	1	5	4	42.7	15.3	3.72	1	3
23159	106293	-	2	1	5	2	2	1	5	1	4	134	161	45	16.0	2	5	4	45.0	15.8	3.67	1	3
23160	106294	-	3	1	3	2	2	2	3	1	4	122	153	50	18.0	1	5	4	38.8	13.5	3.63	1	3
23161	106295	-	3	1	5	2	2	1	9	1	2	124	156	50	17.0	1	5	4	41.4	14.5	3.57	1	3
23162	106296	-	3	-	5	2	2	1	9	1	-	-	158	45	15.0	-	5	4	45.1	14.7	3.87	1	3
23163	106297	-	3	1	5	2	2	1	3	1	4	128	157	55	14.0	2	5	4	43.8	13.6	3.64	1	3
23164	106298	-	3	1	5	2	2	1	9	1	2	123	154	55	18.0	1	5	4	43.7	16.1	3.66	1	3
23165	106299	-	3	1	5	2	2	1	9	1	-	128	158	50	20.0	1	5	4	38.7	13.8	3.68	1	3
23166	106300	-	3	1	3	2	2	2	7	2	3	120	153	50	21.0	2	5	4	34.6	13.8	3.91	1	3
23167	106301	-	3	1	3	2	2	1	7	1	5	129	157	55	16.0	1	5	4	39.7	16.9	3.55	1	3
23168	106302	-	3	1	7	2	2	2	7	2	3	122	157	60	18.0	2	5	4	40.3	15.2	3.81	1	5
23169	106303	-	3	1	5	2	2	1	7	1	5	126	157	60	17.0	1	5	4	45.3	14.5	3.69	1	3
23170	106304	-	3	1	5	2	2	1	3	1	4	130	158	55	18.0	2	5	4	45.6	14.9	3.53	1	3
23171	106305	-	3	1	5	2	2	1	3	1	4	122	153	50	20.0	1	5	4	38.8	12.3	3.77	1	3
23172	106306	-	3	3	7	2	2	1	7	2	3	121	151	50	19.0	1	5	4	43.3	-	-	1	3
23173	106307	-	2	3	5	2	2	1	9	1	2	140	157	45	15.0	1	5	4	44.7	16.1	3.66	1	3
23174	106308	-	3	1	3	2	2	1	7	1	3	123	156	55	17.0	2	5	4	33.2	13.8	4.05	1	3
23175	106309	-	3	1	3	2	2	2	7	1	-	123	154	50	19.0	2	5	4	39.9	11.8	4.23	1	3
23176	106310	-	3	1	7	2	2	1	7	2	3	123	154	50	20.0	3	5	4	41.9	15.7	3.75	1	3
23177	106311	-	3	3	7	2	2	1	9	1	2	123	156	50	22.0	1	5	4	42.4	14.7	3.58	2	3
23178	106312	-	2	1	5	2	2	1	9	1	2	134	164	40	15.0	2	5	4	38.9	14.4	3.65	1	3
23179	106313	-	2	-	3	2	2	1	7	2	3	130	160	50	19.0	1	5	4	41.7	14.4	3.81	1	3
23180	106314	-	2	1	7	2	2	1	7	2	3	126	158	45	21.0	3	5	4	45.7	13.2	3.69	2	3
23182	106315	-	2	-	1	2	2	1	9	1	2	135	164	50	14.0	1	5	4	48.5	15.5	3.57	1	3
23183	106316	-	3	2	5	2	2	1	3	1	4	130	160	40	20.0	1	5	4	50.8	17.0	3.64	1	3
23184	106317	-	3	2	5	2	2	1	3	1	4	130	160	45	19.0	1	5	4	48.2	15.5	3.61	1	3
23185	106318	-	3	2	5	2	2	1	3	1	4	130	161	45	15.0	1	5	4	49.0	15.2	3.75	1	3
23186	106319	-	3	1	3	2	2	1	7	1	5	129	160	60	18.0	2	5	4	41.9	17.4	3.56	1	3
23187	106320	-	3	1	3	2	2	1	3	1	4	124	160	50	20.0	2	5	4	43.1	15.4	3.76	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23188	106321	-	3	1	7	2	2	2	7	1	5	121	157	60	23.0	2	5	4	37.2	13.6	3.90	1	3
23189	106322	-	3	1	3	2	2	1	3	1	4	124	156	50	19.0	2	5	4	41.0	12.6	3.89	1	3
23190	106323	-	3	3	3	2	2	1	3	1	4	123	156	50	19.0	1	5	4	45.9	16.3	3.61	1	3
23191	106324	-	3	-	5	2	2	1	3	1	4	139	159	50	14.0	2	5	4	44.5	16.2	3.64	1	3
23192	106325	-	3	1	5	2	2	1	9	1	2	124	156	45	18.0	1	5	4	43.0	15.7	3.75	1	3
23193	106326	-	3	1	7	2	2	2	3	1	-	123	154	45	22.0	2	5	4	35.3	12.5	4.08	1	3
23194	106327	-	3	1	5	2	2	2	3	1	2	119	152	50	19.0	2	5	4	32.8	12.1	4.21	1	3
23195	106328	-	3	1	5	2	2	1	3	1	-	120	153	50	18.0	2	5	4	35.6	14.6	3.83	1	3
23196	106329	-	2	1	3	2	2	1	7	1	-	138	167	50	17.0	2	5	4	35.4	16.0	3.52	1	3
23197	106330	-	2	3	5	2	2	1	9	1	2	139	163	45	21.0	1	5	4	45.9	18.9	3.49	1	3
23198	106331	-	3	3	5	2	2	1	3	1	4	121	153	60	22.0	1	5	4	45.3	16.5	3.69	1	3
23199	106332	-	3	3	7	2	2	1	7	2	3	132	157	50	19.0	1	5	4	49.6	15.0	3.86	2	3
23200	106333	-	3	-	7	2	2	1	9	1	2	140	160	45	14.0	1	5	4	45.0	18.0	3.50	2	3
23201	106334	-	3	-	5	2	2	1	3	1	4	130	160	50	13.0	1	5	4	40.7	-	-	1	3
23202	106335	-	2	-	7	2	2	1	9	1	2	132	160	45	16.0	1	5	4	44.5	14.3	3.91	1	3
23203	106336	-	2	3	5	2	2	1	9	1	2	132	160	40	17.0	1	5	4	45.9	14.9	3.82	1	3
23204	106337	-	2	-	5	2	2	1	3	1	4	140	164	40	13.0	2	5	4	41.4	14.8	3.85	1	3
23205	106338	-	2	3	5	2	2	1	3	1	4	138	161	40	12.0	1	5	4	49.9	16.3	3.61	1	3
23206	106339	-	2	-	5	2	2	2	3	1	4	139	160	45	15.0	2	5	4	43.7	15.6	3.71	1	3
23207	106340	-	3	1	7	2	2	1	7	2	3	126	160	50	14.0	2	5	4	44.2	13.2	4.01	2	3
23208	106341	-	3	1	7	2	2	2	7	2	3	121	157	55	17.0	2	5	4	38.2	14.1	3.64	2	3
23209	106342	-	2	1	3	2	2	1	3	1	4	131	163	60	13.0	2	5	4	43.4	12.8	4.14	1	3
23210	106343	-	2	1	3	2	2	1	3	1	4	132	161	60	19.0	1	5	4	44.0	15.1	3.58	1	3
23211	106344	-	2	-	3	2	2	1	3	1	4	132	161	50	16.0	1	5	4	48.8	13.9	3.88	1	3
23212	106345	-	2	1	3	2	2	1	3	1	-	139	165	50	16.0	2	5	4	39.7	14.4	3.88	1	3
23213	106346	-	2	1	5	2	2	1	3	1	4	132	165	50	19.0	2	5	4	49.8	14.6	3.83	1	3
23214	106347	-	3	-	5	2	2	1	9	1	2	130	161	50	17.0	1	5	4	39.8	12.7	4.09	1	3
23215	106348	-	2	-	7	2	2	1	7	2	-	138	164	55	20.0	2	5	4	43.7	13.0	4.07	2	3
23216	106349	-	3	1	7	2	2	1	7	1	-	124	160	55	20.0	1	5	4	45.3	13.9	3.95	1	3
23217	106350	-	3	1	5	2	2	1	3	1	4	138	164	50	15.0	2	5	4	44.3	14.7	3.80	1	3
23218	106351	-	3	1	7	2	2	1	7	1	3	130	164	45	17.0	2	5	4	36.7	13.7	4.01	1	3
23219	106352	-	3	1	3	2	2	1	3	1	4	133	165	56	15.0	2	5	4	43.1	14.0	3.69	1	3
23220	106353	-	2	-	5	2	2	1	3	1	4	139	161	50	19.0	2	5	4	41.9	13.7	3.94	1	3
23221	106354	-	3	1	5	2	2	1	3	1	4	131	161	50	18.0	2	5	4	37.8	13.2	4.01	1	3
23222	106355	-	2	1	3	2	2	1	3	1	4	133	165	45	20.0	2	5	4	36.9	15.2	3.61	1	3
23223	106356	-	3	1	7	2	2	2	3	1	-	123	153	55	21.0	1	5	4	39.1	13.3	3.66	1	3
23224	106357	-	3	1	7	2	2	1	7	2	3	123	153	55	22.0	1	5	4	35.4	13.2	3.81	1	3
23225	106358	-	3	1	5	2	2	2	3	1	4	123	156	60	18.0	2	5	4	38.9	13.0	4.15	1	3
23226	106359	-	3	1	5	2	2	2	3	1	-	121	153	60	17.0	2	5	4	35.6	11.9	3.90	1	3
23227	106360	-	3	1	7	2	2	1	7	2	3	125	157	50	20.0	2	5	4	39.5	13.1	4.12	2	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23228	106361	-	3	-	5	2	2	1	3	1	4	140	161	45	13.0	1	5	4	39.4	-	-	1	3
23229	106362	-	2	2	5	2	2	1	7	2	3	134	163	50	20.0	1	5	4	44.2	16.3	3.68	1	3
23230	106363	-	3	-	3	2	2	1	7	1	5	-	157	45	19.0	-	5	4	36.0	14.9	3.53	2	3
23231	106364	-	3	1	5	2	2	2	3	1	4	123	154	50	18.0	2	5	4	38.5	13.4	3.65	1	3
23231	106365	-	3	-	5	2	2	1	9	1	2	124	155	50	18.0	1	5	4	43.3	14.3	3.77	1	3
23232	106366	-	2	-	5	2	2	1	3	1	4	132	161	45	15.0	1	5	4	45.3	15.0	3.63	1	3
23233	106367	-	3	1	5	2	2	1	9	1	-	131	161	50	18.0	2	5	4	42.4	13.6	4.04	1	3
23234	106368	-	3	-	5	2	2	1	3	1	4	134	160	50	21.0	-	5	4	45.9	14.2	4.01	1	3
23235	106369	-	3	1	5	2	2	1	5	1	4	124	155	50	24.0	3	5	4	37.4	11.8	3.89	1	3
23236	106370	-	3	1	5	2	2	1	5	1	4	123	154	50	24.0	3	5	4	37.8	12.5	4.24	1	3
23237	106371	-	2	1	5	2	2	1	9	1	2	132	164	45	20.0	2	5	4	37.0	12.9	4.10	1	3
23238	106372	-	3	1	5	2	2	1	7	2	3	139	163	50	17.0	2	5	4	38.5	12.6	4.28	1	3
23239	106373	-	3	1	5	2	2	1	3	1	4	138	164	50	20.0	2	5	4	42.2	13.4	4.17	1	3
23240	106374	-	2	1	5	2	-	1	9	-	-	150	-	55	23.0	2	5	4	-	-	-	1	3
23241	106375	-	3	-	7	2	2	1	9	1	2	124	157	50	18.0	1	5	4	43.2	13.3	4.13	1	3
23242	106376	-	3	1	7	2	2	1	7	2	3	122	156	50	18.0	2	5	4	38.5	12.2	4.26	1	3
23243	106377	-	1	1	1	2	-	2	3	-	-	148	172	50	18.0	2	5	4	-	-	-	1	3
23244	106378	-	2	1	3	2	2	1	3	1	4	139	167	45	15.0	2	5	4	34.4	11.8	4.32	1	3
23245	106379	-	1	1	5	2	2	1	9	1	5	140	171	45	18.0	2	5	4	30.7	17.0	3.45	1	3
23246	106380	-	3	1	3	2	2	1	3	1	4	132	164	50	13.0	2	5	4	40.0	15.7	3.75	1	3
23247	106381	-	3	1	7	2	2	1	9	1	2	123	164	55	20.0	1	5	4	43.6	14.4	3.57	2	3
23248	106382	-	3	-	7	2	2	1	9	1	5	132	160	45	20.0	1	5	4	42.3	16.1	3.78	2	3
23249	106383	-	3	1	3	2	2	1	3	1	4	123	153	60	23.0	2	5	4	39.4	13.1	3.79	1	3
23250	106384	-	3	1	3	2	2	1	3	1	4	123	155	50	20.0	2	5	4	47.1	13.2	4.09	1	3
23251	106385	-	3	1	3	2	2	2	3	1	4	121	153	50	17.0	2	5	4	38.3	12.9	3.81	2	3
23252	106386	-	3	1	3	2	2	1	3	1	4	122	153	45	19.0	2	5	4	36.1	13.5	3.67	1	3
23253	106387	-	3	3	7	2	2	2	9	1	2	119	151	45	17.0	1	5	4	42.5	14.5	3.53	1	3
23254	106388	-	3	3	5	2	2	2	9	1	5	117	142	55	20.0	1	5	4	38.3	14.4	3.61	1	3
23255	106389	-	3	1	5	2	2	2	3	1	4	132	165	50	21.0	2	5	4	45.6	16.8	3.48	1	3
23256	106390	-	3	1	7	2	2	1	9	1	4	132	165	50	20.0	2	5	4	40.8	15.6	3.55	1	3
23257	106391	-	3	1	7	2	2	1	9	1	4	126	163	55	18.0	2	5	4	37.4	14.8	3.54	2	3
23258	106392	-	3	1	5	2	2	2	5	1	4	126	158	55	19.0	2	5	4	43.4	13.6	3.73	1	3
23259	106393	-	3	1	7	2	2	1	7	1	3	123	161	60	19.0	2	5	4	38.7	14.8	3.78	1	3
23260	106394	-	3	3	3	2	2	2	9	1	2	119	153	50	19.0	1	5	4	44.2	13.3	3.66	1	3
23261	106395	-	3	3	3	2	2	1	7	1	-	118	148	50	23.0	1	5	4	34.3	13.2	4.16	1	3
23262	106396	-	2	1	5	2	1	1	9	1	-	-	164	50	24.0	2	5	4	29.1	13.4	4.02	1	3
23263	106397	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.1	4.21	-	-
23264	106398	-	3	1	3	2	2	1	3	1	-	123	157	60	22.0	2	5	4	39.4	11.9	4.36	1	3
23265	106399	-	3	-	5	2	2	1	9	1	-	122	153	55	22.0	1	5	4	43.9	13.2	3.72	1	3
23266	106400	-	3	1	5	2	2	1	7	2	3	130	161	55	19.0	2	5	4	40.8	13.3	3.98	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23267	106401	-	3	1	5	2	2	1	3	1	4	130	156	45	19.0	3	5	4	36.8	11.9	4.20	1	3
23268	106402	-	3	1	5	2	2	1	3	1	-	123	153	45	18.0	2	5	4	35.5	13.5	3.70	1	3
23269	106403	-	3	1	5	2	2	1	1	1	-	123	153	50	20.0	2	5	4	38.0	12.8	3.80	1	3
23270	106404	-	2	1	5	2	2	1	3	1	4	140	161	45	17.0	2	5	4	45.4	14.7	3.87	1	3
23271	106405	-	1	1	7	2	2	1	7	2	3	139	163	50	12.0	2	5	4	38.7	14.8	3.76	2	3
23272	106406	-	2	1	5	2	2	1	3	2	4	134	157	50	18.0	2	5	4	41.7	13.2	4.09	1	3
23273	106407	-	3	1	7	2	2	1	7	2	3	130	157	55	20.0	2	5	4	35.5	12.4	4.03	1	3
23274	106408	-	3	1	5	2	2	2	3	1	2	131	160	50	19.0	2	5	4	39.7	14.1	3.97	1	3
23275	106409	-	3	1	3	2	2	1	3	1	2	134	166	45	13.0	2	5	4	40.1	13.3	4.13	1	3
23276	106410	-	3	1	5	2	2	1	3	1	4	138	167	50	18.0	2	5	4	45.9	16.0	3.81	2	3
23277	106411	-	3	1	1	2	2	1	3	1	4	124	154	50	21.0	2	5	4	38.5	11.1	4.50	1	3
23278	106412	-	3	1	5	2	2	2	3	1	4	131	159	50	15.0	3	5	4	37.8	15.1	3.60	1	3
23279	106413	-	3	1	5	2	2	1	3	1	4	131	164	50	19.0	2	5	4	40.8	14.9	3.95	1	3
23280	106414	-	1	1	3	2	2	1	3	1	2	140	168	55	17.0	2	5	4	37.4	16.4	3.48	2	3
23281	106415	-	3	1	5	2	2	1	9	1	2	136	166	45	21.0	2	5	4	38.3	13.2	3.88	1	3
23282	106416	-	2	1	7	2	2	1	9	1	5	125	156	45	20.0	2	5	4	37.8	12.5	4.24	1	3
23283	106417	-	3	1	5	2	2	2	3	1	4	122	154	45	18.0	2	5	4	37.9	12.4	3.78	1	3
23284	106418	-	3	1	3	2	2	1	3	1	4	122	153	50	21.0	2	5	4	32.5	11.3	4.51	1	3
23285	106419	-	1	-	5	2	2	1	9	1	2	140	165	45	13.0	2	5	4	40.0	14.3	3.98	1	3
23286	106420	-	3	1	7	2	2	1	7	1	-	119	154	60	22.0	2	5	4	36.8	13.0	3.81	1	3
23287	106421	-	3	1	5	2	2	1	7	1	5	125	156	50	19.0	2	5	4	31.9	14.1	3.97	1	3
23288	106422	-	3	1	5	2	2	2	3	1	4	128	156	45	18.0	3	5	4	41.6	15.2	3.88	1	3
23289	106423	-	2	1	7	2	2	2	9	1	2	131	157	45	17.0	2	5	4	34.6	13.8	3.60	1	3
23290	106424	-	3	1	5	2	2	1	3	1	-	125	156	45	20.0	3	5	4	35.2	13.5	3.69	1	3
23291	106425	-	3	1	7	2	2	1	7	2	3	124	156	50	18.0	2	5	4	34.9	13.3	3.71	1	3
23292	106426	-	3	1	5	2	2	1	9	1	2	131	156	40	18.0	2	5	4	31.3	13.2	4.01	1	3
23293	106427	-	3	1	5	2	2	1	3	1	2	126	156	40	16.0	2	5	4	31.0	15.0	3.46	1	3
23294	106428	-	3	1	9	2	2	1	7	2	3	124	159	45	20.0	2	5	4	42.7	14.6	3.97	2	3
23295	106429	-	3	3	5	2	2	1	9	1	2	123	157	45	20.0	1	5	4	47.0	13.9	3.57	2	3
23296	106430	-	3	1	7	2	2	1	9	2	3	119	152	50	17.0	1	5	4	37.5	14.8	3.52	1	3
23297	106431	-	3	1	5	2	2	1	9	1	2	119	154	65	20.0	2	5	4	35.5	13.7	3.63	1	3
23298	106432	-	3	1	5	2	2	1	3	1	4	125	156	50	20.0	2	5	4	55.2	16.7	3.71	1	3
23299	106433	-	3	1	3	2	2	1	3	1	-	124	154	50	20.0	2	5	4	37.1	12.6	3.65	1	3
23300	106434	-	3	1	5	2	2	1	3	1	4	124	157	50	19.0	2	5	4	37.3	12.8	3.86	1	3
23301	106435	-	3	1	7	2	2	1	9	1	5	123	156	50	18.0	2	5	4	42.1	15.9	3.53	2	3
23302	106436	-	3	1	5	2	2	1	3	1	4	121	153	50	18.0	2	5	4	40.0	13.2	4.16	2	3
23303	106437	-	3	1	7	2	2	1	7	2	3	124	159	50	14.0	2	5	4	36.6	14.4	3.61	1	3
23304	106438	-	3	1	3	2	2	2	9	1	2	119	148	50	15.0	2	5	4	32.3	13.7	3.58	1	3
23305	106439	-	3	1	7	2	2	1	7	2	3	123	159	50	16.0	2	5	4	38.4	14.0	3.68	1	3
23306	106440	-	3	1	5	2	2	1	3	1	4	130	160	50	19.0	2	5	4	44.0	15.0	3.59	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23307	106441	-	3	1	7	2	2	1	7	1	2	125	161	50	18.0	2	5	4	44.4	15.6	3.50	2	3
23308	106442	-	3	1	5	2	2	1	3	1	4	125	158	60	18.0	2	5	4	39.2	16.2	3.70	1	3
23309	106443	-	3	1	9	2	2	1	7	2	3	130	161	50	19.0	2	5	4	40.8	15.4	3.60	1	3
23310	106444	-	2	1	3	2	2	1	7	1	3	140	167	45	19.0	2	5	4	29.8	13.2	4.16	1	3
23311	106445	-	2	1	3	2	2	1	3	1	4	140	167	45	13.0	2	5	4	42.2	13.9	4.02	1	3
23312	106446	-	3	1	9	2	2	1	7	2	3	124	158	55	16.0	2	5	4	38.0	14.3	3.63	1	3
23313	106447	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	30.6	-	-	-	-
23314	106448	-	3	1	7	2	2	1	7	2	3	130	163	50	14.0	2	5	4	34.5	15.2	3.59	1	3
23315	106449	-	3	1	9	2	2	1	7	2	3	131	163	50	13.0	2	5	4	37.1	14.0	3.92	2	3
23316	106450	-	3	1	1	2	2	2	9	1	-	132	163	50	14.0	2	5	4	38.9	-	-	1	3
23317	106451	-	3	1	5	2	2	1	3	1	4	124	157	55	19.0	2	5	4	42.4	12.6	4.20	1	3
23318	106452	-	3	1	3	2	2	2	9	1	2	120	152	55	18.0	2	5	4	30.1	14.3	3.51	1	5
23319	106453	-	3	1	7	2	2	1	9	1	5	123	156	55	17.0	2	5	4	42.7	-	-	1	3
23320	106454	-	2	1	5	2	2	1	3	1	4	135	161	45	17.0	3	5	4	40.4	14.8	3.66	1	3
23321	106455	-	3	1	7	2	2	1	7	2	3	123	156	50	21.0	2	5	4	41.5	14.4	3.95	1	3
23322	106456	-	2	1	5	2	2	1	7	1	3	139	168	50	13.0	2	5	4	29.7	-	-	1	3
23323	106457	-	3	-	7	2	2	2	7	1	2	122	153	50	18.0	1	5	4	38.6	15.0	3.56	1	3
23324	106458	-	3	1	3	2	2	1	3	1	4	125	158	50	15.0	2	5	4	38.2	14.9	3.61	1	3
23325	106459	-	3	1	7	2	2	1	9	1	2	123	157	55	19.0	2	5	4	41.5	15.7	3.52	1	3
23326	106460	-	3	1	7	2	2	1	7	2	3	123	157	50	13.0	2	5	4	43.7	13.8	4.05	1	3
23327	106461	-	2	1	7	2	2	1	3	1	5	125	157	55	20.0	2	5	4	33.5	16.1	3.49	1	3
23328	106462	-	3	1	9	2	2	1	7	1	2	123	161	55	23.0	2	5	4	35.6	12.5	3.73	1	3
23329	106463	-	3	1	5	2	2	1	3	1	4	123	153	55	20.0	2	5	4	38.2	14.7	3.62	1	3
23330	106464	-	3	1	7	2	2	1	7	2	3	125	161	50	22.0	2	5	4	41.8	14.9	3.60	1	3
23331	106465	-	3	1	3	2	2	1	3	1	4	125	156	60	26.0	2	5	4	37.1	11.4	4.47	1	3
23332	106466	-	3	1	3	2	2	1	9	1	-	121	153	50	17.0	2	5	4	34.8	14.0	3.64	1	3
23333	106467	-	3	1	3	2	2	1	9	1	2	121	156	55	16.0	2	5	4	40.4	12.5	4.16	1	3
23334	106468	-	3	1	5	2	2	1	3	1	4	123	156	50	20.0	2	5	4	36.5	13.2	4.16	1	3
23335	106469	-	3	1	5	2	2	1	3	1	4	125	156	50	23.0	2	5	4	37.3	12.6	4.20	1	3
23336	106470	-	3	1	5	2	2	1	9	1	2	124	156	60	19.0	2	5	4	40.7	12.6	4.28	1	3
23337	106471	-	3	1	7	2	2	1	7	2	3	123	158	55	16.0	2	5	4	37.7	13.9	3.61	1	3
23338	106472	-	3	1	5	2	2	1	9	1	-	123	156	50	20.0	2	5	4	40.1	13.9	3.63	1	3
23339	106473	-	3	1	7	2	2	1	9	1	5	124	156	55	20.0	2	5	4	37.9	12.4	4.35	1	3
23340	106474	-	3	1	3	2	2	1	9	1	2	122	156	50	20.0	2	5	4	41.5	12.5	4.24	1	3
23341	106475	-	1	1	1	2	2	1	3	1	1	139	169	70	14.0	2	5	4	34.5	12.2	4.09	2	3
23342	106476	-	3	1	3	2	2	1	7	1	3	122	156	55	17.0	2	5	4	37.0	13.9	3.68	1	3
23343	106477	-	3	1	3	2	2	1	3	1	4	121	153	50	19.0	2	5	4	42.7	13.9	3.68	1	3
23344	106478	-	3	1	5	2	2	1	9	1	2	125	157	50	16.0	2	5	4	40.9	13.2	4.09	1	3
23345	106479	-	3	1	3	2	2	2	3	1	4	131	158	45	21.0	2	5	4	38.3	15.1	3.59	2	3
23346	106480	-	3	1	7	2	2	1	9	1	2	121	157	55	20.0	2	5	4	39.5	15.2	3.47	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23347	106481	-	3	1	9	2	2	1	7	2	3	122	158	60	19.0	2	5	4	39.2	-	-	1	3
23348	106482	-	3	1	3	2	2	1	3	1	-	122	164	55	20.0	2	5	4	45.0	15.6	3.50	1	3
23349	106483	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.0	3.64	-	-
23350	106484	-	3	1	7	2	2	1	7	2	3	123	157	50	18.0	2	5	4	36.6	13.9	3.95	2	3
23351	106485	-	3	1	3	2	2	1	3	1	4	124	158	45	19.0	2	5	4	36.9	13.2	4.09	2	3
23352	106486	-	3	1	3	2	2	1	3	1	4	126	161	50	15.0	2	5	4	37.1	15.3	3.50	2	3
23353	106487	-	3	1	3	2	2	1	3	1	4	123	157	55	26.0	2	5	4	39.2	15.0	3.48	1	3
23354	106488	-	3	1	7	2	2	1	7	2	5	123	160	50	18.0	2	5	4	41.5	13.9	3.95	1	3
23355	106489	-	3	1	1	2	2	2	3	1	4	124	154	45	22.0	2	5	4	36.1	12.3	4.22	1	3
23356	106490	-	2	1	3	2	2	1	3	1	4	129	158	50	22.0	2	5	4	36.0	13.6	3.78	1	3
23357	106491	-	3	1	7	2	2	2	7	2	3	123	160	50	18.0	2	5	4	39.1	14.8	3.63	1	3
23358	106492	-	2	1	5	2	2	2	3	1	3	134	169	45	18.0	2	5	4	43.3	17.4	3.43	1	3
23359	106493	-	3	1	5	2	2	1	3	1	4	125	158	45	13.0	2	5	4	33.5	13.7	4.01	1	3
23360	106494	-	3	1	3	2	2	1	3	1	3	125	157	50	18.0	2	5	4	43.1	16.6	3.49	1	3
23361	106495	-	3	1	9	2	2	2	7	2	-	124	160	50	21.0	2	5	4	39.5	16.4	3.28	1	3
23362	106496	-	3	1	7	2	2	2	7	1	3	125	157	50	20.0	2	5	4	40.2	-	-	1	3
23363	106497	-	3	-	5	2	2	1	7	1	2	131	157	55	22.0	1	5	4	44.0	15.9	3.55	1	3
23364	106498	-	3	1	3	2	2	1	3	1	4	124	154	55	16.0	2	5	4	38.7	16.2	3.48	1	3
23365	106499	-	3	1	9	2	2	1	7	2	4	131	161	50	19.0	2	5	4	37.6	13.1	4.12	1	3
23366	106500	-	3	1	7	2	2	1	7	2	3	122	156	50	19.0	2	5	4	41.3	14.4	3.95	1	3
23367	106501	-	3	1	5	2	2	1	5	1	4	130	161	55	18.0	2	5	4	43.5	14.2	4.01	1	3
23368	106502	-	3	1	3	2	2	1	3	1	4	125	154	55	17.0	2	5	4	35.7	12.6	4.28	1	3
23369	106503	-	3	1	7	2	2	1	7	1	-	124	160	55	19.0	2	5	4	41.5	15.9	3.43	1	3
23370	106504	-	3	1	7	2	2	2	7	1	3	122	156	55	18.0	2	5	4	38.8	14.7	3.61	1	3
23371	106505	-	3	1	1	2	2	1	7	1	-	123	156	55	19.0	1	5	4	32.1	14.4	3.60	1	3
23372	106506	-	1	1	5	2	2	1	3	1	4	140	170	70	22.0	2	5	4	29.5	12.3	4.14	2	3
23373	106507	-	2	1	5	2	2	1	7	1	-	132	165	50	16.0	2	5	4	38.9	14.7	3.67	2	3
23374	106508	-	3	1	9	2	2	2	7	2	3	129	158	50	15.0	2	5	4	40.4	14.3	3.78	1	3
23375	106509	-	3	1	7	2	2	2	7	2	-	131	158	50	20.0	2	5	4	43.0	15.3	3.64	1	3
23376	106510	-	3	1	3	2	2	1	9	1	-	128	157	45	18.0	2	5	4	38.0	14.7	3.62	1	3
23377	106511	-	3	1	3	2	2	1	3	1	4	127	157	45	19.0	2	5	4	39.8	14.3	3.62	1	3
23378	106512	-	3	1	7	2	2	1	9	1	2	128	157	50	21.0	2	5	4	38.9	14.5	3.63	1	3
23379	106513	-	3	1	3	2	2	1	3	1	4	121	153	50	22.0	2	5	4	33.4	11.5	4.52	1	3
23380	106514	-	3	1	7	2	2	1	7	2	3	122	157	55	16.0	2	5	4	40.3	14.3	4.05	1	3
23381	106515	-	3	1	7	2	2	1	7	2	3	124	158	60	20.0	2	5	4	40.2	13.8	3.72	1	3
23382	106516	-	3	1	7	2	2	1	7	2	3	125	161	55	17.0	2	5	4	39.9	14.1	3.97	1	3
23383	106517	-	3	1	7	2	2	1	3	1	-	128	157	55	17.0	2	5	4	40.1	13.1	3.76	1	3
23384	106518	-	3	1	5	2	2	1	7	1	3	124	156	50	19.0	2	5	4	36.6	12.4	3.77	1	3
23385	106519	-	3	1	5	2	2	1	5	1	4	129	164	40	15.0	3	5	4	41.6	14.4	4.02	1	3
23386	106520	-	3	1	5	2	2	1	7	2	3	124	163	50	17.0	2	5	4	44.4	14.1	3.67	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23387	106521	-	3	1	3	2	2	1	3	1	4	121	153	55	20.0	2	5	4	38.9	12.8	4.06	1	3
23388	106522	-	3	1	3	2	2	1	3	1	4	122	153	50	19.0	2	5	4	40.6	12.8	4.06	1	3
23389	106523	-	3	1	7	2	2	1	7	2	3	121	157	60	22.0	2	5	4	41.8	14.5	3.66	2	3
23390	106524	-	3	1	5	2	2	1	3	1	4	121	154	55	22.0	2	5	4	41.1	13.2	4.01	1	3
23391	106525	-	3	1	7	2	2	1	7	2	3	122	157	50	22.0	2	5	4	40.6	14.5	3.66	1	3
23392	106526	-	3	1	7	2	2	1	7	1	3	123	163	55	22.0	2	5	4	41.9	14.7	3.64	1	3
23393	106527	-	3	1	3	2	2	1	3	1	4	121	153	50	27.0	2	5	4	40.5	13.4	4.02	1	3
23394	106528	-	3	1	3	2	2	2	3	1	-	119	152	55	22.0	2	5	4	29.7	13.8	3.62	1	3
23395	106529	-	3	1	3	2	2	2	3	1	4	119	153	50	22.0	2	5	4	39.3	14.6	3.60	1	3
23396	106530	-	3	1	5	2	2	2	9	1	4	-	163	50	15.0	3	5	4	39.2	14.8	3.91	2	3
23397	106531	-	3	1	5	2	2	2	5	1	4	127	160	60	22.0	2	5	4	41.7	13.2	3.82	1	3
23398	106532	-	3	1	5	2	2	1	9	1	2	130	163	60	22.0	2	5	4	42.8	13.8	3.78	2	3
23399	106533	-	3	1	5	2	2	1	3	1	4	131	163	50	22.0	2	5	4	36.9	14.4	3.63	2	3
23400	106534	-	3	1	5	2	2	1	3	1	4	133	163	50	10.0	3	5	4	38.7	15.0	3.93	1	3
23404	106535	-	3	1	5	2	2	1	3	1	4	123	161	60	22.0	1	5	4	40.0	12.6	3.89	1	3
23402	106536	-	3	1	3	2	2	1	3	1	4	120	152	60	22.0	1	5	4	41.8	12.4	3.86	1	3
23403	106537	-	3	1	3	2	2	1	7	2	3	118	150	55	27.0	1	5	4	38.5	12.5	3.83	1	3
23404	106538	-	3	1	3	2	2	1	7	1	2	131	164	55	18.0	2	5	4	43.5	14.3	3.69	1	3
23405	106539	-	2	1	3	2	2	1	9	1	2	139	164	60	15.0	3	5	4	39.6	15.7	3.60	1	3
23406	106540	-	3	1	1	2	2	2	9	1	2	123	153	55	15.0	1	5	4	36.6	13.7	3.64	1	3
23407	106541	-	3	1	9	2	2	1	7	2	3	127	156	50	29.0	3	5	4	37.8	12.3	4.30	1	3
23408	106542	-	3	1	7	2	2	1	7	1	3	127	157	50	19.0	2	5	4	38.0	13.6	4.11	1	3
23409	106543	-	2	3	3	2	2	1	3	1	4	129	163	50	22.0	2	5	4	50.5	-	-	1	3
23410	106544	-	2	1	5	2	2	1	3	1	4	134	164	50	23.0	2	5	4	42.4	16.4	3.71	1	3
23411	106545	-	3	1	5	2	2	1	3	1	4	122	153	45	19.0	2	5	4	31.6	12.8	3.86	1	3
23412	106546	-	3	1	3	2	2	1	3	1	4	121	153	50	23.0	2	5	4	34.5	13.3	3.79	1	3
23413	106547	-	3	1	5	2	2	1	5	1	4	124	160	50	22.0	2	5	4	40.5	14.4	3.69	1	3
23414	106548	-	3	1	7	2	2	1	7	2	3	131	163	55	26.0	2	5	4	43.1	14.6	3.97	1	3
23415	106549	-	3	1	5	2	2	2	9	1	2	125	153	55	22.0	2	5	4	35.9	13.9	3.50	1	3
23416	106550	-	3	1	7	2	2	1	7	2	3	131	163	50	22.0	2	5	4	36.5	13.7	3.72	1	3
23417	106551	-	3	1	3	2	2	2	7	1	5	131	158	55	13.0	2	5	4	41.0	15.1	3.55	1	3
23418	106552	-	3	1	9	2	2	1	7	2	3	131	158	55	15.0	1	5	4	42.5	13.3	4.06	1	3
23419	106553	-	3	1	5	2	2	2	3	1	4	122	153	55	25.0	2	5	4	35.8	-	-	1	3
23420	106554	-	3	1	3	2	2	2	9	1	5	127	156	50	22.0	2	5	4	39.7	14.2	3.94	1	3
23421	106555	-	3	1	7	2	2	1	7	2	3	125	156	55	22.0	2	5	4	41.5	14.3	3.61	1	3
23422	106556	-	3	1	9	2	2	2	7	2	3	124	157	55	15.0	3	5	4	38.4	14.3	3.60	1	5
23423	106557	-	3	1	3	2	2	2	9	1	2	123	154	55	22.0	2	5	4	37.6	13.5	3.70	2	3
23424	106558	-	3	1	7	2	2	1	7	2	3	131	161	60	24.0	1	5	4	41.4	13.2	3.85	1	5
23425	106559	-	3	1	5	2	2	1	9	1	5	123	160	50	20.0	2	5	4	40.7	14.5	3.86	1	3
23426	106560	-	3	1	7	2	2	1	9	1	2	124	160	50	20.0	2	5	4	43.0	14.8	3.91	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23427	106561	-	3	1	7	2	2	2	3	1	4	122	153	60	22.0	2	5	4	34.6	13.8	3.68	1	3
23428	106562	-	3	1	5	2	2	1	3	1	4	122	153	50	24.0	2	5	4	34.3	14.6	3.54	1	5
23429	106563	-	3	1	3	2	2	2	7	2	3	120	152	50	24.0	2	5	4	33.6	13.5	3.71	1	3
23430	106564	-	3	3	7	2	2	2	7	2	3	120	152	50	26.0	1	5	4	41.1	12.6	3.68	1	3
23431	106565	-	3	1	9	2	2	2	3	1	4	121	156	45	19.0	3	5	4	37.1	16.6	3.39	1	3
23432	106566	-	3	1	3	2	2	1	3	1	4	125	157	50	24.0	2	5	4	32.2	10.5	4.57	1	3
23433	106567	-	3	1	3	2	2	1	7	2	3	123	154	60	15.0	2	5	4	38.6	13.2	3.72	1	3
23434	106568	-	3	1	7	2	2	1	5	1	4	123	165	60	18.0	2	5	4	38.1	15.5	3.63	1	3
23435	106569	-	3	1	7	2	2	1	7	2	3	119	153	60	18.0	2	5	4	33.4	12.9	3.75	1	3
23436	106570	-	3	1	3	2	2	1	9	1	2	124	156	50	20.0	2	5	4	36.1	12.3	3.96	1	3
23437	106571	-	3	1	3	2	2	1	5	1	4	130	163	50	20.0	1	5	4	40.2	16.0	3.59	1	3
23438	106572	-	3	1	5	2	2	1	7	2	3	120	153	55	15.0	2	5	4	32.6	14.1	3.67	1	5
23439	106573	-	3	1	5	2	2	1	3	1	4	124	158	60	12.0	2	5	4	36.5	13.2	4.01	1	3
23440	106574	-	2	1	5	2	2	1	7	1	-	126	163	60	22.0	2	5	4	41.6	14.7	3.64	1	3
23441	106575	-	3	1	3	2	2	1	7	2	3	121	154	60	18.0	2	5	4	39.0	13.7	3.71	1	3
23442	106576	-	3	1	5	2	2	1	9	1	-	126	165	65	25.0	2	5	4	40.1	13.9	3.77	1	3
23443	106577	-	2	1	5	2	2	1	3	1	4	130	169	80	19.0	2	5	4	43.0	13.7	3.80	1	7
23444	106578	-	3	1	5	2	2	1	3	1	4	130	161	55	20.0	1	5	4	37.6	13.9	3.78	1	3
23445	106579	-	3	1	7	2	2	1	7	2	3	130	158	55	20.0	2	5	4	37.9	13.1	3.77	1	3
23446	106580	-	3	3	5	2	2	2	9	1	2	120	150	50	24.0	1	5	4	37.0	14.1	3.66	1	3
23447	106581	-	3	1	7	2	2	1	7	2	3	125	163	50	18.0	2	5	4	40.1	14.4	3.73	1	3
23448	106582	-	3	1	9	2	2	1	7	1	-	124	166	50	20.0	-	5	4	40.1	14.7	3.76	2	5
23449	106583	-	3	1	9	2	2	1	7	2	3	119	154	55	20.0	2	5	4	35.0	12.6	3.88	1	3
23450	106584	-	3	1	3	2	2	1	3	1	4	122	156	60	20.0	2	5	4	33.3	12.6	3.82	1	3
23451	106585	-	3	-	5	2	2	2	9	1	2	122	156	60	20.0	1	5	4	39.3	13.3	3.71	1	3
23452	106586	-	3	1	3	2	2	1	3	1	4	126	161	50	20.0	2	5	4	40.1	15.5	3.60	1	3
23453	106587	-	3	-	9	2	2	2	9	1	-	122	153	55	27.0	1	5	4	39.8	14.4	3.65	2	5
23454	106588	-	3	1	5	2	2	2	7	2	3	121	152	50	22.0	1	5	4	35.4	13.1	3.79	1	3
23455	106589	-	3	1	5	2	2	1	7	1	4	126	157	55	17.0	2	5	4	39.7	14.2	3.67	1	3
23456	106590	-	2	1	5	2	2	1	7	1	5	133	163	65	22.0	3	5	4	39.7	13.5	3.80	1	3
23457	106591	-	3	1	7	2	2	2	7	1	3	125	164	60	20.0	2	5	4	34.7	15.1	3.60	1	3
23458	106592	-	3	1	7	2	2	2	7	1	3	123	158	65	21.0	2	5	4	34.2	13.0	3.73	1	5
23459	106593	-	3	1	5	2	2	2	7	2	3	121	153	50	22.0	2	5	4	32.0	12.9	3.85	1	3
23460	106594	-	3	1	5	2	2	1	9	1	-	124	158	60	22.0	3	5	4	36.7	12.5	3.92	1	3
23461	106595	-	2	1	5	2	2	1	9	1	2	134	167	50	22.0	3	5	4	40.8	12.9	4.10	2	3
23462	106596	-	3	1	7	2	2	1	9	1	2	127	161	50	21.0	2	5	4	39.4	15.3	3.64	1	3
23463	106597	-	3	1	7	2	2	1	9	1	2	126	160	50	18.0	2	5	4	42.0	16.5	3.43	1	3
23464	106598	-	2	1	3	2	2	1	9	1	2	138	168	55	19.0	2	5	4	37.5	16.4	3.55	2	3
23465	106599	-	2	1	1	2	2	1	7	1	3	139	168	45	15.0	2	5	4	30.9	14.5	3.86	1	3
23466	106600	-	3	1	7	2	2	2	7	2	5	129	158	50	16.0	42	5	4	37.4	14.3	3.67	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23467	106601	-	3	3	3	2	2	2	9	1	-	122	153	55	21.0	1	5	4	39.1	14.6	3.65	1	3
23468	106602	-	3	1	5	2	2	2	3	1	4	122	154	60	19.0	2	5	4	44.6	14.7	3.48	1	3
23469	106603	-	3	1	7	2	2	1	7	2	3	123	154	55	22.0	2	5	4	34.1	14.6	3.63	1	3
23470	106604	-	3	1	5	2	2	1	9	1	2	124	156	60	18.0	2	5	4	38.4	14.4	3.62	1	3
23471	106605	-	3	1	5	2	2	1	3	1	4	130	161	60	19.0	1	5	4	41.9	14.5	3.70	1	3
23472	106606	-	2	1	5	2	2	1	3	1	4	130	161	50	17.0	2	5	4	38.0	15.0	3.63	1	3
23473	106607	-	3	1	7	2	2	1	7	2	3	124	160	50	14.0	2	5	4	38.2	12.4	4.19	1	3
23474	106608	-	3	1	3	2	2	1	5	1	4	132	164	60	15.0	2	5	4	43.2	13.9	5.39	1	3
23475	106609	-	2	1	3	2	2	1	5	1	4	133	168	65	19.0	2	5	4	42.8	15.3	3.67	1	3
23476	106610	-	3	1	7	2	2	1	7	2	3	123	158	70	18.0	2	5	4	35.2	14.4	3.57	1	3
23477	106611	-	3	1	3	2	2	1	3	1	4	125	161	50	17.0	2	5	4	42.4	13.8	3.76	1	3
23478	106612	-	2	1	3	2	2	1	3	1	4	133	163	55	20.0	2	5	4	43.5	14.4	3.64	1	3
23479	106613	-	2	1	1	2	2	1	3	1	4	137	167	50	13.0	2	5	4	45.6	15.7	3.64	1	3
23480	106614	-	3	1	7	2	2	1	7	2	3	123	154	70	20.0	2	5	4	37.3	12.6	4.12	1	3
23481	106615	-	3	1	5	2	2	2	3	1	4	123	153	70	20.0	2	5	4	38.4	13.5	3.67	1	5
23482	106616	-	3	1	3	2	2	1	9	1	2	123	153	70	24.0	2	5	4	36.5	12.8	3.83	1	3
23483	106617	-	3	1	5	2	1	1	3	1	-	125	154	50	24.0	2	5	4	31.9	15.1	3.45	1	3
23484	106618	-	3	1	1	2	2	1	3	1	4	123	158	55	27.0	2	5	4	34.2	12.9	3.86	1	3
23485	106619	-	3	1	5	2	2	1	7	2	3	122	154	50	20.0	2	5	4	34.9	13.2	3.72	1	5
23486	106620	-	3	1	5	2	2	1	3	1	4	125	156	50	13.0	2	5	4	35.7	12.9	3.87	1	3
23487	106621	-	3	1	5	2	2	1	9	1	2	126	156	50	20.0	2	5	4	37.3	14.5	3.61	1	3
23488	106622	-	3	1	5	2	2	1	3	1	4	124	156	55	19.0	2	5	4	38.2	13.0	3.87	1	5
23489	106623	-	3	1	9	2	2	1	7	2	3	123	161	60	22.0	2	5	4	39.0	11.8	4.07	1	5
23490	106624	-	3	1	5	2	2	1	5	1	4	129	168	70	13.0	2	5	4	43.1	15.0	3.70	1	3
23491	106625	-	3	1	3	2	2	1	3	1	4	123	160	70	16.0	2	5	4	36.1	13.2	3.78	1	3
23492	106626	-	3	1	5	2	2	1	3	1	4	122	153	70	22.0	3	5	4	38.7	11.6	4.04	1	3
23493	106627	-	3	1	5	2	2	2	7	1	5	123	161	65	23.0	3	5	4	45.1	13.3	3.58	1	3
23494	106628	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23495	106629	-	2	1	5	2	1	1	3	1	-	131	167	60	20.0	1	5	4	29.3	15.4	3.62	1	5
23496	106630	-	3	1	7	2	2	1	7	2	3	121	153	60	19.0	2	5	4	32.2	14.1	3.61	1	3
23497	106631	-	3	1	5	2	2	1	3	1	-	124	167	50	14.0	2	5	4	33.9	13.0	3.86	1	3
23498	106632	-	3	1	5	2	2	2	3	1	4	122	154	50	17.0	2	5	4	33.5	12.9	3.81	2	3
23499	106633	-	3	1	7	2	2	1	7	2	3	130	160	50	21.0	2	5	4	37.9	12.9	3.85	2	3
23500	106634	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23501	106635	-	3	1	3	2	2	1	3	1	4	131	165	50	20.0	2	5	4	43.2	14.9	3.63	1	3
23502	106636	-	3	1	3	2	2	1	9	1	4	131	164	50	15.0	2	5	4	43.7	14.9	3.71	1	3
23503	106637	-	3	1	7	2	2	2	7	1	2	137	167	60	13.0	2	5	4	42.2	14.7	3.65	2	5
23504	106638	-	3	1	7	2	2	1	7	2	3	131	167	65	19.0	2	5	4	39.1	14.4	3.69	1	3
23505	106639	-	3	1	7	2	2	1	3	2	3	128	167	60	20.0	2	5	4	39.2	-	-	1	3
23506	106640	-	3	1	5	2	2	1	3	1	4	128	160	55	17.0	2	5	4	36.7	12.9	3.89	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23507	106641	-	3	1	5	2	2	1	7	1	3	129	167	60	20.0	2	5	4	33.2	-	-	1	3
23508	106642	-	3	1	5	2	2	1	7	1	3	131	161	50	19.0	2	5	4	33.7	14.1	3.57	1	3
23509	106643	-	3	1	7	2	2	1	7	1	3	133	165	55	19.0	1	5	4	32.9	14.1	3.69	1	3
23510	106644	-	3	1	5	2	2	1	7	1	5	132	168	55	14.0	2	5	4	30.7	12.6	3.96	1	3
23511	106645	-	3	3	5	2	2	1	7	1	4	124	160	55	20.0	1	5	4	55.8	17.2	3.30	1	3
23512	106646	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23513	106647	-	3	1	5	2	2	1	9	1	4	132	165	60	20.0	2	5	4	35.2	13.5	3.70	1	3
23514	106648	-	3	1	5	2	2	1	3	1	4	133	161	45	13.0	2	5	4	31.2	15.0	3.50	1	3
23515	106649	-	3	1	5	2	2	1	3	1	4	126	158	50	19.0	2	5	4	35.6	14.0	3.70	1	3
23516	106650	-	3	1	5	2	2	1	3	1	4	126	158	45	17.0	2	5	4	39.6	11.8	4.32	1	3
23517	106651	-	3	1	5	2	2	2	3	1	4	123	154	45	19.0	3	5	4	37.5	13.7	3.72	1	3
23518	106652	-	3	1	7	2	2	1	7	2	3	133	165	55	20.0	3	5	4	40.1	-	-	2	5
23519	106653	-	3	1	5	2	2	1	7	2	3	139	161	55	16.0	2	5	4	43.5	13.0	4.07	1	3
23520	106654	-	3	1	9	2	2	1	7	2	3	132	158	50	16.0	3	5	4	37.6	14.0	3.79	2	3
23521	106655	-	3	1	5	2	2	1	3	1	4	131	163	55	12.0	2	5	4	37.9	12.4	4.19	1	3
23522	106656	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23523	106657	-	3	1	5	2	2	1	3	1	-	133	167	70	21.0	2	5	4	39.2	14.9	3.64	1	3
23524	106658	-	3	1	5	2	2	2	7	2	3	125	158	55	17.0	2	5	4	40.8	13.4	3.84	1	3
23525	106659	-	3	1	5	2	2	1	3	1	4	133	164	50	20.0	2	5	4	42.2	17.3	3.45	1	3
23526	106660	-	3	1	5	2	2	1	9	1	2	131	161	45	15.0	2	5	4	38.3	15.9	3.53	1	3
23527	106661	-	3	1	5	2	2	1	3	1	4	125	157	50	17.0	1	5	4	40.5	13.2	3.69	1	3
23528	106662	-	3	1	5	2	2	1	9	1	2	131	157	50	13.0	2	5	4	40.8	13.2	3.84	1	3
23529	106663	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23530	106664	-	3	1	5	2	2	2	9	1	-	124	154	55	18.0	2	5	4	34.5	13.2	3.69	1	3
23531	106665	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.3	3.98	-	-
23532	106666	-	3	1	5	2	2	1	3	1	4	131	164	60	17.0	2	5	4	38.7	14.3	3.75	1	3
23533	106667	-	3	1	7	2	2	1	7	2	3	131	157	50	16.0	3	5	4	39.5	14.9	3.59	2	3
23534	106668	-	3	1	5	2	2	1	3	1	4	131	156	50	18.0	2	5	4	45.1	14.2	3.64	1	3
23535	106669	-	3	1	5	2	2	1	7	2	3	139	164	50	15.0	2	5	4	41.3	12.9	3.92	1	3
23536	106670	-	3	1	5	2	2	2	3	1	5	131	163	50	16.0	2	5	4	39.2	13.0	4.15	1	3
23537	106671	-	3	1	3	2	2	1	3	1	4	124	155	50	-	2	5	4	41.6	14.9	3.60	1	3
23538	106672	-	3	1	3	2	2	1	3	1	4	124	155	55	20.0	2	5	4	46.2	13.6	3.75	1	3
23539	106673	-	3	1	5	2	2	1	3	1	4	124	155	50	16.0	2	5	4	45.7	13.3	3.74	1	3
23540	106674	-	3	1	7	2	2	1	7	2	3	124	156	50	18.0	2	5	4	37.8	14.6	3.69	1	3
23541	106675	-	3	1	5	2	2	2	3	1	4	122	153	55	20.0	2	5	4	43.8	11.6	4.22	1	3
23542	106676	-	3	1	3	2	2	1	3	1	5	124	153	50	17.0	3	5	4	35.8	11.0	4.45	1	3
23543	106677	-	3	1	5	2	2	2	7	1	3	121	153	50	17.0	2	5	4	32.7	14.0	3.55	1	3
23544	106678	-	2	-	5	2	2	1	9	1	2	137	165	45	17.0	2	5	4	37.7	14.2	3.67	1	3
23545	106679	-	2	1	1	2	2	1	3	1	4	146	173	50	16.0	2	5	4	33.1	18.0	3.37	1	3
23546	106680	-	2	1	5	2	2	1	9	1	2	138	164	50	18.0	3	5	4	53.3	14.8	3.53	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23547	106681	-	3	1	7	2	2	1	7	1	3	133	163	50	14.0	2	5	4	35.7	15.9	3.44	2	5
23548	106682	-	3	1	5	2	2	1	5	1	5	129	157	45	17.0	3	5	4	58.2	12.3	3.85	2	3
23549	106683	-	3	1	5	2	2	1	5	1	4	130	160	55	22.0	2	5	4	59.2	12.3	4.14	1	3
23550	106684	-	3	1	5	2	2	1	5	1	4	129	156	45	20.0	3	5	4	59.5	12.7	3.89	1	3
23551	106685	-	3	1	5	2	2	2	3	1	4	123	154	50	15.0	2	5	4	53.6	12.9	3.85	1	3
23552	106686	-	3	1	7	2	2	1	7	2	3	122	154	50	20.0	2	5	4	54.4	14.1	3.67	1	3
23553	106687	-	1	1	3	2	2	1	7	1	-	139	171	50	19.0	2	5	4	47.2	16.4	3.53	1	3
23554	106688	-	1	1	3	2	2	1	9	1	2	139	172	50	20.0	2	5	4	48.0	16.6	3.51	1	3
23555	106689	-	1	1	3	2	2	1	7	2	3	140	173	50	19.0	2	5	4	47.9	17.5	3.44	1	3
23556	106690	-	3	1	9	2	2	1	7	2	3	128	161	50	19.0	2	5	4	57.8	15.7	3.52	1	3
23557	106691	-	3	1	7	2	2	1	7	2	3	124	160	50	20.0	2	5	4	40.2	15.5	3.57	1	3
23558	106692	-	3	1	5	2	2	1	3	1	2	123	155	45	17.0	2	5	4	36.0	14.5	3.59	1	3
23559	106693	-	3	1	3	2	2	1	3	1	4	124	165	50	16.0	2	5	4	42.3	13.4	4.10	1	3
23560	106694	-	3	1	3	2	2	1	3	1	4	139	165	50	15.0	-	5	4	40.2	15.4	3.58	1	5
23561	106695	-	3	1	3	2	2	1	3	1	4	129	161	40	15.0	2	5	4	39.5	14.7	3.65	1	3
23562	106696	-	3	1	7	2	2	1	7	2	3	131	161	50	17.0	2	5	4	40.7	13.4	4.10	1	3
23563	106697	-	3	-	5	2	2	1	3	1	4	125	156	50	17.0	-	5	4	37.3	13.4	3.77	1	3
23564	106698	-	3	2	5	2	2	2	3	1	4	118	150	60	20.0	2	5	4	38.8	14.2	3.36	1	3
23565	106699	-	2	2	1	2	2	2	3	1	4	138	167	60	20.0	1	5	4	36.9	10.5	4.38	1	3
23566	106700	-	3	2	1	2	2	1	3	1	4	139	161	50	19.0	1	5	4	40.8	12.3	4.14	1	3
23567	106701	-	3	2	5	2	2	2	3	1	4	139	167	50	19.0	1	5	4	38.4	14.7	3.57	1	3
23568	106702	-	1	1	3	2	2	1	1	1	4	153	172	60	13.0	2	5	4	23.4	11.3	4.24	1	3
23569	106703	-	1	1	3	2	2	1	1	1	4	144	172	75	16.0	2	5	4	28.3	10.6	4.33	1	3
23570	106704	-	3	2	5	2	2	2	3	1	4	120	153	65	24.0	1	5	4	42.7	12.5	3.64	1	3
23571	106705	-	1	1	5	2	2	1	1	1	4	164	179	50	19.0	2	5	4	25.5	10.5	4.47	1	3
23572	106706	-	1	2	5	2	2	1	1	1	4	139	170	50	18.0	1	5	4	27.9	10.0	4.50	1	3
23573	106707	-	3	2	5	2	2	2	3	1	5	134	167	65	28.0	2	5	4	39.3	11.6	4.13	1	3
23574	106708	-	3	2	5	2	2	2	3	1	4	130	154	55	32.0	2	5	4	37.4	12.4	4.11	1	3
23575	106709	-	1	1	3	2	2	2	1	1	1	145	175	54	19.0	2	5	4	23.4	10.6	4.33	2	3
23576	106710	-	1	1	5	2	2	1	1	1	4	164	178	55	22.0	2	5	4	25.8	11.4	4.29	1	3
23577	106711	-	1	1	3	2	2	1	9	1	2	140	172	60	14.0	2	5	4	33.0	11.3	4.33	1	3
23578	106712	-	1	1	5	2	2	1	9	1	2	138	168	55	16.0	2	5	4	35.7	10.5	4.28	1	3
23579	106713	-	1	1	5	2	2	1	9	1	2	139	171	55	16.0	2	5	4	30.1	10.9	4.31	1	3
23580	106714	-	1	1	5	2	2	1	5	1	4	140	172	50	18.0	2	5	4	29.7	10.0	4.20	1	3
23581	106715	-	1	1	5	2	2	1	3	1	4	140	168	55	15.0	2	5	4	31.5	11.2	4.19	1	3
23582	106716	-	1	1	5	2	2	1	1	1	2	140	172	55	19.0	2	5	4	33.2	10.9	4.22	1	3
23583	106717	-	1	1	5	2	2	1	1	1	2	139	172	55	13.0	2	5	4	33.1	11.1	4.23	1	3
23584	106718	-	1	1	5	2	2	1	3	1	2	140	172	60	16.0	2	5	4	34.7	10.8	4.25	2	3
23585	106719	-	1	1	5	2	2	1	1	1	1	140	173	55	13.0	2	5	4	28.2	10.7	4.39	1	3
23586	106720	-	1	1	5	2	2	1	3	1	4	140	173	60	16.0	2	5	4	26.1	10.5	4.19	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23587	106721	-	1	2	5	2	2	1	3	1	2	139	168	55	19.0	2	5	4	29.1	15.9	3.47	1	3
23588	106722	-	2	1	5	2	2	1	3	1	2	138	168	50	12.0	2	5	4	36.0	10.5	4.38	1	3
23589	106723	-	2	1	5	2	2	1	3	1	2	138	167	50	15.0	2	5	4	39.5	10.5	4.28	1	3
23590	106724	-	2	1	5	2	2	1	3	1	2	138	167	50	18.0	2	5	4	34.5	10.4	4.23	1	3
23591	106725	-	2	1	5	2	2	1	3	1	2	139	167	55	20.0	2	5	4	38.0	10.9	4.31	1	3
23592	106726	-	2	1	3	2	2	1	9	1	2	139	168	50	16.0	2	5	4	34.6	10.3	4.36	1	3
23593	106727	-	1	1	3	2	2	1	9	1	2	140	172	60	17.0	2	5	4	30.9	11.8	4.15	1	3
23594	106728	-	2	1	3	2	2	1	9	1	2	138	167	45	19.0	2	5	4	36.8	10.0	4.40	1	3
23595	106729	-	1	1	5	2	2	1	1	1	4	154	177	55	15.0	2	5	4	25.4	11.7	4.10	1	3
23596	106730	-	1	1	5	2	2	1	1	1	2	147	175	50	12.0	2	5	4	26.4	15.6	3.46	1	3
23597	106731	-	1	1	5	2	2	1	1	1	4	160	177	50	19.0	2	5	4	24.6	11.7	4.18	1	3
23598	106732	-	2	1	3	2	2	1	9	1	2	139	168	45	14.0	2	5	4	38.1	10.3	4.36	1	3
23599	106733	-	2	1	5	2	2	1	9	1	2	139	167	50	17.0	2	5	4	38.5	10.4	4.42	1	3
23600	106734	-	2	1	3	2	2	1	9	1	2	140	168	50	19.0	2	5	4	34.0	10.1	4.45	1	3
23601	106735	-	2	1	1	2	2	1	1	1	2	139	168	50	19.0	2	5	4	36.0	10.3	4.46	1	3
23602	106736	-	2	1	1	2	2	1	9	1	2	139	168	45	15.0	2	5	4	35.7	10.7	4.29	1	3
23603	106737	-	2	1	5	2	2	1	3	1	4	140	168	45	15.0	2	5	4	31.0	10.8	4.44	1	3
23604	106738	-	2	1	5	2	2	1	3	1	2	139	168	45	13.0	2	5	4	35.0	14.2	3.65	1	3
23605	106739	-	2	1	5	2	2	1	9	1	4	139	168	45	13.0	2	5	4	25.1	14.6	3.57	1	3
23606	106740	-	2	1	3	2	2	1	9	1	2	138	168	45	19.0	2	5	4	35.4	13.9	3.71	2	3
23607	106741	-	1	1	5	1	2	1	3	1	4	161	176	50	17.0	3	5	4	24.8	12.2	4.09	1	3
23608	106742	-	1	1	5	2	2	1	3	1	4	164	175	50	14.0	2	5	4	23.9	16.1	3.45	1	3
23609	106743	-	1	1	5	2	2	1	3	1	4	164	176	50	15.0	2	5	4	27.2	16.0	3.45	1	3
23610	106744	-	1	1	5	2	2	1	3	1	1	153	174	55	12.0	2	5	4	27.4	12.1	4.04	1	3
23611	106745	-	1	1	5	2	2	1	3	1	4	140	173	50	15.0	2	5	4	29.1	14.6	3.59	1	3
23612	106746	-	1	1	5	2	2	1	9	1	2	140	173	50	17.0	2	5	4	34.3	10.3	4.36	1	3
23613	106747	-	1	1	5	2	2	1	3	1	4	141	173	60	24.0	2	5	4	27.4	10.9	4.12	1	3
23614	106748	-	1	1	5	2	2	1	3	1	4	141	173	60	24.0	2	5	4	30.6	13.5	3.85	1	3
23615	106749	-	1	1	5	2	2	1	3	1	4	141	173	55	20.0	2	5	4	29.1	14.9	3.52	1	3
23616	106750	-	1	1	3	2	-	1	3	-	-	140	173	54	15.0	2	5	4	-	-	-	1	3
23617	106751	-	1	1	5	2	2	1	3	1	1	152	174	55	13.0	2	5	4	28.7	11.4	4.12	1	3
23618	106752	-	1	1	5	2	-	1	3	-	-	148	174	55	17.0	2	5	4	-	14.7	3.87	1	3
23619	106753	-	1	1	5	2	2	1	1	1	1	140	173	50	21.0	2	5	4	29.0	11.2	4.19	1	3
23620	106754	-	2	1	3	2	2	1	1	1	4	139	164	50	19.0	2	5	4	45.9	10.2	4.60	1	3
23621	106755	-	2	1	3	2	2	1	9	1	2	138	165	55	21.0	2	5	4	36.2	11.4	4.29	2	3
23622	106756	-	1	1	5	2	2	2	3	1	1	136	164	40	18.0	2	5	4	25.0	10.9	4.22	2	3
23623	106757	-	3	1	5	2	2	1	9	1	2	138	164	50	13.0	2	5	4	42.3	12.0	3.81	1	3
23624	106758	-	3	1	5	2	2	1	3	1	4	138	165	50	15.0	2	5	4	37.8	12.6	4.04	1	3
23625	106759	-	3	1	5	2	2	1	9	1	2	131	156	55	17.0	2	5	4	38.4	11.1	3.96	1	3
23626	106760	-	3	1	5	2	2	1	9	1	2	131	158	55	18.0	2	5	4	42.6	11.8	3.85	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23627	106761	-	3	1	5	2	2	1	9	1	2	132	158	55	26.0	2	5	4	35.7	14.8	3.52	1	3
23628	106762	-	3	1	1	2	2	1	9	1	2	137	164	50	19.0	2	5	4	39.4	11.2	4.37	1	3
23629	106763	-	3	2	5	2	2	2	3	1	-	124	157	55	25.0	2	5	4	41.3	12.9	3.95	1	3
23630	106764	-	3	1	5	2	2	2	3	1	4	115	154	50	21.0	2	5	4	40.4	14.2	3.87	2	3
23631	106765	-	3	1	1	2	2	2	1	1	4	109	138	60	20.0	2	5	4	26.2	14.1	3.90	1	5
23632	106766	-	3	1	1	2	1	2	3	1	-	113	148	60	25.0	3	5	4	25.7	13.8	3.42	1	7
23633	106767	-	3	2	7	2	1	2	7	2	-	116	157	60	30.0	2	5	4	46.2	15.0	3.51	1	5
23634	106768	-	1	2	5	2	2	2	3	1	4	140	174	54	19.0	1	5	4	33.4	14.9	3.46	1	3
23635	106769	-	1	2	3	2	2	2	3	1	4	139	174	50	19.0	1	5	4	36.0	13.7	3.61	1	3
23636	106770	-	1	1	3	2	2	2	3	1	2	140	173	55	21.0	2	5	4	35.1	12.5	4.08	1	3
23637	106771	-	1	1	1	2	2	2	3	1	4	140	176	55	20.0	2	5	4	23.9	16.2	3.49	1	3
23638	106772	-	1	1	3	2	2	1	3	1	4	151	177	50	20.0	1	5	4	24.6	14.4	3.52	1	3
23639	106773	-	1	1	3	2	2	2	3	1	4	146	175	55	19.0	2	5	4	23.6	13.9	3.49	1	3
23640	106774	-	1	1	3	2	2	2	3	1	4	139	174	54	26.0	2	5	4	29.0	11.1	4.23	1	3
23641	106775	-	1	1	3	2	2	2	3	1	4	138	168	50	21.0	2	5	4	27.4	11.2	4.10	1	3
23642	106776	-	1	1	3	2	2	2	1	1	1	140	174	55	22.0	2	5	4	22.6	11.4	4.12	1	3
23643	106777	-	1	1	5	2	2	2	1	1	4	138	172	50	29.0	2	5	4	29.2	11.2	4.19	1	3
23644	106778	-	1	1	5	2	2	2	1	1	4	140	172	50	19.0	2	5	4	26.8	11.4	4.21	1	3
23645	106779	-	1	1	5	2	2	2	3	1	4	148	175	50	20.0	2	5	4	22.3	10.9	4.40	1	3
23646	106780	-	1	1	5	2	2	2	3	1	4	139	173	54	21.0	2	5	4	22.9	11.6	4.13	1	3
23647	106781	-	1	1	5	2	2	2	1	1	4	146	174	40	17.0	3	5	5	21.8	10.0	4.50	1	3
23648	106782	-	1	1	5	2	2	2	1	1	4	146	176	50	19.0	1	5	4	28.2	10.5	4.38	1	3
23649	106783	-	1	1	5	2	2	2	3	1	4	139	173	50	22.0	2	5	4	26.2	11.2	4.19	1	3
23650	106784	-	1	1	5	2	2	2	3	1	4	139	173	50	20.0	2	5	4	25.2	10.9	4.12	2	3
23651	106785	-	1	1	5	2	2	2	3	1	4	140	174	40	19.0	1	5	4	25.8	10.6	4.33	1	3
23652	106786	-	3	2	5	2	2	2	3	1	4	119	147	55	23.0	2	5	4	38.9	14.0	3.78	2	3
23653	106787	-	3	-	5	2	2	1	3	1	2	119	154	50	18.0	2	5	4	39.0	15.1	3.27	1	3
23654	106788	-	3	2	5	2	2	1	3	1	4	124	154	45	22.0	2	5	4	42.8	11.6	4.13	1	3
23655	106789	-	3	2	5	2	2	2	3	1	4	124	158	45	28.0	2	5	4	33.9	11.7	4.18	1	3
23656	106790	-	3	2	5	2	2	1	3	1	4	122	154	45	24.0	2	5	4	39.4	13.2	3.36	1	3
23657	106791	-	3	2	5	2	2	1	3	1	4	121	154	55	30.0	2	5	4	44.6	12.6	4.04	1	3
23658	106792	-	3	1	5	2	2	1	3	1	4	119	153	55	20.0	2	5	4	39.6	11.2	4.37	1	3
23659	106793	-	3	2	5	2	2	1	3	1	4	120	153	55	26.0	2	5	4	45.7	12.5	3.73	1	3
23660	106794	-	3	2	5	2	2	1	3	1	4	123	154	55	25.0	2	5	4	46.5	12.3	3.61	1	3
23661	106795	-	3	2	5	2	2	1	3	1	4	123	155	55	23.0	2	5	4	41.1	13.2	4.01	1	5
23662	106796	-	3	2	5	2	2	1	3	1	4	121	153	60	23.0	2	5	4	41.0	12.5	3.52	1	5
23663	106797	-	3	2	5	2	2	1	3	1	4	125	156	50	24.0	2	5	4	41.6	11.3	4.24	1	3
23664	106798	-	3	2	5	2	2	1	3	1	2	124	156	45	26.0	2	5	4	39.1	14.4	3.81	1	3
23665	106799	-	3	2	5	2	2	1	3	1	4	122	154	50	19.0	2	5	4	39.0	12.3	3.98	1	3
23666	106800	-	3	2	3	2	2	1	3	1	4	121	154	55	25.0	1	5	4	41.4	12.9	3.95	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23667	106801	-	3	2	5	2	2	1	3	1	4	122	152	55	27.0	2	5	4	45.6	13.7	3.79	1	3
23668	106802	-	3	2	5	2	2	1	3	1	4	121	152	55	20.0	2	5	4	45.9	11.8	4.15	1	3
23669	106803	-	3	2	5	2	2	1	3	1	4	126	155	55	19.0	2	5	4	45.2	12.2	4.09	1	3
23670	106804	-	3	2	5	2	2	1	3	1	4	122	155	55	20.0	2	5	4	45.1	11.5	3.66	1	3
23671	106805	-	3	2	5	2	2	2	3	1	4	126	154	50	25.0	2	5	4	42.4	11.4	3.78	1	3
23672	106806	-	3	2	5	2	2	1	3	1	4	122	155	55	22.0	2	5	4	46.4	11.6	3.78	1	3
23673	106807	-	3	1	5	2	2	1	3	1	4	121	152	50	17.0	2	5	4	35.0	10.7	3.71	1	3
23674	106808	-	3	2	5	2	2	1	3	1	4	121	153	60	30.0	2	5	4	45.7	13.0	4.00	1	3
23675	106809	-	3	2	3	2	2	1	3	1	4	124	155	50	19.0	2	5	4	42.7	11.4	3.59	1	3
23676	106810	-	3	2	3	2	2	1	3	1	4	123	155	50	24.0	2	5	4	44.0	11.4	3.71	2	5
23677	106811	-	3	2	5	2	2	1	3	1	4	121	155	60	28.0	2	5	4	46.6	11.7	3.64	1	3
23678	106812	-	3	2	5	2	2	1	3	1	4	122	153	55	24.0	2	5	4	45.5	13.6	3.89	1	3
23679	106813	-	3	1	5	2	2	1	9	1	2	128	162	45	16.0	3	5	4	33.6	10.5	4.47	2	3
23680	106814	-	3	2	5	2	2	1	3	1	4	119	152	55	18.0	2	5	4	46.5	10.9	3.91	1	3
23681	106815	-	3	2	5	2	2	1	3	1	4	127	160	55	22.0	2	5	4	49.1	10.5	3.84	1	3
23682	106816	-	3	2	5	2	2	1	3	1	4	123	155	50	20.0	2	5	4	44.4	12.1	4.04	1	3
23683	106817	-	3	2	5	2	2	1	9	1	2	123	155	50	21.0	2	5	4	43.5	12.3	4.06	1	3
23684	106818	-	3	2	5	2	2	2	3	1	4	132	160	50	25.0	2	5	4	43.6	12.0	4.08	1	3
23685	106819	-	3	2	5	2	2	1	3	1	4	124	156	50	21.0	2	5	4	46.0	12.6	4.04	1	3
23686	106820	-	3	2	5	2	2	2	3	1	4	122	155	50	21.0	2	4	4	39.1	11.5	4.17	1	3
23687	106821	-	3	2	5	2	2	1	3	1	4	122	153	50	20.0	2	5	4	41.0	13.1	3.49	1	5
23688	106822	-	3	2	5	2	2	1	3	1	4	129	157	55	24.0	2	5	4	46.4	12.2	3.61	1	3
23689	106823	-	3	2	5	2	2	2	3	1	4	123	157	50	27.0	2	5	4	42.6	11.9	4.11	1	3
23690	106824	-	3	2	5	2	2	2	3	1	4	123	156	50	24.0	2	5	4	40.0	12.8	3.98	1	3
23691	106825	-	3	2	5	2	2	2	3	1	4	123	157	50	25.0	2	5	4	50.6	12.7	4.09	1	5
23692	106826	-	3	2	5	2	2	1	3	1	4	122	155	50	20.0	2	5	4	40.6	12.9	4.03	1	5
23693	106827	-	3	2	5	2	2	1	3	1	4	121	155	50	18.0	2	5	4	43.2	11.7	3.54	1	3
23694	106828	-	3	2	5	2	2	2	3	1	4	122	155	50	29.0	2	5	4	44.4	11.0	3.84	1	5
23695	106829	-	3	2	5	2	2	1	3	1	4	120	153	50	24.0	2	5	4	43.8	10.8	3.80	1	5
23696	106830	-	3	2	5	2	2	1	3	1	4	120	153	55	25.0	2	5	4	42.4	13.2	3.62	1	3
23697	106831	-	3	2	5	2	2	1	9	1	2	121	153	55	19.0	2	4	4	49.8	12.5	3.63	2	3
23698	106832	-	3	2	5	2	2	1	9	1	2	131	155	50	20.0	2	5	4	47.9	13.0	4.00	1	3
23699	106833	-	3	2	5	2	2	1	3	1	4	130	155	45	19.0	2	5	4	41.2	12.0	3.59	2	3
23700	106834	-	3	2	5	2	2	1	3	1	4	122	153	50	22.0	2	5	4	41.8	12.4	4.03	1	5
23701	106835	-	3	2	5	2	2	2	9	1	2	129	160	55	24.0	2	5	4	46.3	13.2	4.01	1	3
23702	106836	-	3	2	5	2	2	2	3	1	4	127	156	55	21.0	2	5	4	43.0	13.0	3.84	2	3
23703	106837	-	3	2	5	2	2	1	3	1	4	122	155	50	24.0	2	5	4	40.3	13.0	3.92	1	5
23704	106838	-	3	2	5	2	2	1	3	1	4	127	155	50	19.0	2	5	4	42.0	11.8	3.79	1	3
23705	106839	-	3	2	5	2	2	1	3	1	4	123	155	50	22.0	2	5	4	46.2	11.1	3.76	1	3
23706	106840	-	3	2	5	2	2	1	3	1	4	121	155	55	25.0	2	5	4	45.1	12.1	4.04	1	5

IG	ICB	GRA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23707	106841	-	3	2	5	2	2	1	3	1	-	124	156	50	24.0	2	5	4	44.1	12.9	4.03	1	3
23708	106842	-	3	2	5	2	2	1	3	1	4	129	156	50	29.0	2	5	4	42.6	11.4	3.61	1	3
23709	106843	-	3	2	5	2	2	2	3	1	4	121	153	50	26.0	2	5	4	44.4	12.0	3.67	1	3
23710	106844	-	3	1	5	2	2	1	3	1	4	123	156	50	23.0	2	5	4	35.1	11.3	3.77	1	3
23711	106845	-	3	2	5	2	2	1	3	1	4	121	155	50	21.0	2	4	4	42.5	14.5	3.79	1	5
23712	106846	-	3	2	3	2	2	1	3	1	4	122	157	50	22.0	2	5	4	34.9	12.9	3.49	1	3
23713	106847	-	3	1	5	1	2	2	3	1	4	123	156	45	16.0	2	5	4	33.4	11.0	4.18	1	3
23714	106848	-	3	1	5	2	2	1	3	1	4	124	157	45	17.0	2	5	4	38.0	12.0	4.08	1	3
23715	106849	-	3	2	5	2	2	1	3	1	4	130	157	50	24.0	2	5	4	44.0	12.3	3.98	1	3
23716	106850	-	3	2	5	2	2	1	3	1	-	123	156	50	25.0	2	5	4	47.8	13.6	3.82	1	3
23717	106851	-	3	2	5	2	2	2	3	1	4	124	155	60	20.0	2	5	4	51.4	13.2	3.78	1	5
23718	106852	-	3	1	5	2	2	1	3	1	2	122	153	50	22.0	2	5	4	36.2	11.3	3.84	1	5
23719	106853	-	3	2	5	2	2	2	3	1	4	123	153	55	27.0	2	5	4	45.7	13.1	3.96	1	3
23720	106854	-	3	2	5	2	2	2	9	1	-	131	159	50	24.0	2	5	4	46.9	12.7	3.56	1	3
23721	106855	-	3	2	5	2	2	1	3	1	-	-	163	50	21.0	2	5	4	42.5	13.5	3.85	1	5
23722	106856	-	3	2	5	1	2	1	3	1	4	121	156	50	20.0	2	5	4	44.6	13.8	3.76	1	3
23723	106857	-	3	2	3	2	2	2	3	1	-	122	153	50	20.0	2	5	4	48.9	12.1	3.74	2	5
23724	106858	-	3	2	5	2	2	1	3	1	4	124	155	50	22.0	2	5	4	37.0	12.5	3.48	1	5
23725	106859	-	3	2	5	2	2	1	3	1	4	123	155	50	25.0	2	5	4	43.1	14.7	3.74	2	3
23726	106860	-	3	2	3	2	2	2	3	1	4	121	152	50	22.0	2	5	4	42.9	11.6	3.57	1	5
23727	106861	-	3	2	5	2	2	2	3	1	4	122	155	50	28.0	2	5	4	41.7	12.6	3.52	1	3
23728	106862	-	3	2	5	2	2	1	3	1	4	129	159	50	19.0	1	5	4	38.7	13.0	3.65	1	3
23729	106863	-	3	2	5	2	2	2	3	1	4	124	155	50	20.0	2	5	4	41.0	12.1	3.67	2	5
23730	106864	-	3	2	5	2	2	1	3	1	4	124	156	50	21.0	2	5	4	44.1	14.1	3.82	1	3
23731	106865	-	3	2	5	2	2	1	3	1	4	125	156	50	23.0	2	5	4	41.6	12.6	3.57	1	5
23732	106866	-	3	2	5	2	2	2	3	1	4	131	158	45	27.0	1	4	4	40.3	13.1	3.89	1	3
23733	106867	-	3	2	5	2	2	1	3	1	4	132	163	50	21.0	2	5	4	41.3	13.7	3.47	1	3
23734	106868	-	3	2	5	2	2	1	3	1	4	132	162	50	21.0	2	5	4	42.3	15.2	3.68	1	5
23735	106869	-	3	2	5	2	2	1	3	1	4	125	161	55	23.0	2	4	4	45.8	12.0	3.69	1	3
23736	106870	-	3	2	5	2	2	1	3	1	4	125	159	50	27.0	2	4	4	43.2	11.9	4.03	1	3
23737	106871	-	3	2	5	2	2	1	3	1	4	125	156	50	25.0	2	5	4	42.8	12.4	3.78	1	3
23738	106872	-	3	2	5	2	2	1	3	1	4	120	152	60	24.0	2	4	4	42.1	12.1	3.60	1	5
23739	106873	-	3	2	3	2	2	1	3	1	4	124	155	50	20.0	2	5	4	40.7	12.0	3.91	1	3
23740	106874	-	3	2	5	2	2	1	3	1	4	121	155	55	26.0	1	5	4	43.4	13.5	3.92	1	5
23741	106875	-	3	2	5	2	2	2	3	1	4	123	156	45	24.0	2	5	4	43.4	12.3	3.98	1	3
23742	106876	-	3	2	5	2	2	1	3	1	4	122	156	60	23.0	2	5	4	46.0	14.3	3.70	1	3
23743	106877	-	3	2	5	2	2	1	3	1	4	121	153	70	29.0	2	5	4	48.6	14.6	3.76	1	3
23744	106878	-	3	2	5	2	2	1	3	1	4	123	160	80	27.0	2	5	4	46.6	12.9	3.95	1	5
23745	106879	-	3	2	5	2	2	1	3	1	4	127	157	65	24.0	2	5	4	41.4	11.4	4.12	1	3
23746	106880	-	3	1	5	2	2	1	9	1	2	129	160	50	19.0	2	5	4	35.5	10.2	4.21	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23747	106881	-	3	2	5	2	2	2	3	1	4	123	157	50	23.0	2	4	4	38.4	12.3	4.14	1	3
23748	106882	-	3	2	5	2	2	1	3	1	4	132	161	50	21.0	2	5	4	35.3	11.2	4.10	1	3
23749	106883	-	3	2	5	2	2	1	3	1	4	132	157	50	25.0	2	5	4	41.0	10.5	4.19	1	3
23750	106884	-	3	2	5	2	2	2	9	1	4	131	156	50	18.0	2	4	4	43.0	11.6	4.31	1	5
23751	106885	-	3	2	5	2	2	1	3	1	4	131	156	50	22.0	2	5	4	46.5	11.2	4.28	1	3
23752	106886	-	3	1	5	2	2	1	3	1	4	130	157	45	22.0	2	5	4	36.8	12.7	3.59	1	3
23753	106887	-	3	2	5	2	2	2	3	1	4	130	159	45	23.0	2	5	4	40.5	14.4	3.81	1	3
23754	106888	-	3	2	5	2	2	2	3	1	4	130	159	45	21.0	2	4	4	43.7	13.3	3.71	1	3
23755	106889	-	3	2	5	2	2	1	3	1	4	125	156	50	27.0	2	4	4	43.2	13.5	3.64	1	3
23756	106890	-	3	2	5	2	2	1	3	1	4	131	159	45	19.0	1	5	4	41.0	13.8	3.58	1	3
23757	106891	-	3	2	5	2	2	1	3	1	4	122	156	50	24.0	2	5	4	43.3	13.6	3.61	1	3
23758	106892	-	3	2	5	2	2	1	3	1	4	125	159	45	25.0	2	5	4	46.7	12.1	4.21	1	5
23759	106893	-	3	2	5	2	2	1	3	1	4	122	153	45	23.0	2	5	4	43.3	11.7	4.18	1	3
23760	106894	-	3	2	5	2	2	2	9	1	2	130	159	55	29.0	2	5	4	45.2	14.3	3.37	1	5
23761	106895	-	3	2	5	2	2	2	9	1	2	131	160	55	20.0	2	5	4	42.3	14.0	3.85	2	3
23762	106896	-	3	2	5	2	2	1	3	1	4	122	155	50	25.0	2	5	4	46.5	13.4	3.88	1	5
23763	106897	-	3	2	5	2	2	1	3	1	4	124	155	50	29.0	2	5	4	46.6	14.2	3.80	1	3
23764	106898	-	3	2	5	2	2	1	3	1	4	130	155	55	25.0	2	5	4	42.2	13.0	3.84	1	3
23765	106899	-	3	2	5	2	2	2	3	1	4	123	155	55	24.0	2	5	4	41.3	12.9	3.95	1	5
23766	106900	-	3	2	5	2	2	1	3	1	4	124	155	55	23.0	2	5	4	42.7	13.1	3.89	1	3
23767	106901	-	3	2	1	2	2	1	3	1	4	130	159	50	31.0	2	5	4	35.5	13.4	3.88	1	5
23768	106902	-	3	2	5	2	2	1	3	1	4	131	160	60	24.0	2	4	4	44.2	12.5	3.94	1	5
23769	106903	-	3	2	5	2	2	2	3	1	4	132	162	50	22.0	2	5	4	43.4	13.9	3.81	1	3
23770	106904	-	3	2	5	2	2	1	3	1	-	125	156	50	23.0	2	5	4	42.4	12.9	4.03	1	3
23771	106905	-	2	2	5	2	2	1	3	1	4	129	157	50	21.0	2	5	4	40.5	12.5	4.08	1	3
23772	106906	-	3	1	5	2	2	1	3	1	4	129	157	45	19.0	2	5	4	40.8	10.1	4.35	1	5
23773	106907	-	3	2	5	2	2	1	9	1	-	132	159	50	30.0	1	5	4	43.3	12.7	3.81	1	5
23774	106908	-	3	2	5	2	2	1	3	1	4	132	159	50	22.0	2	5	4	45.3	13.1	3.89	1	5
23775	106909	-	2	-	3	2	2	1	3	1	4	-	163	45	17.0	-	5	4	41.7	13.0	4.00	1	3
23776	106910	-	2	2	5	2	2	1	-	1	2	138	163	45	25.0	2	5	4	39.1	16.8	3.57	1	3
23777	106911	-	2	2	5	2	2	1	3	1	4	136	162	45	20.0	2	5	4	34.9	14.6	3.71	1	5
23778	106912	-	3	2	5	2	2	1	3	1	4	122	155	50	24.0	2	5	4	40.8	12.0	4.08	1	3
23779	106913	-	3	1	5	2	2	2	3	1	4	118	153	45	21.0	2	5	4	32.8	13.1	3.80	1	3
23780	106914	-	3	1	5	2	2	2	3	1	4	115	153	45	18.0	2	5	4	36.4	14.2	3.73	1	3
23781	106915	-	3	1	5	2	2	1	3	1	4	116	152	35	22.0	2	5	4	24.6	13.2	3.81	1	5
23782	106916	-	3	2	5	2	2	2	3	1	2	131	157	45	21.0	2	5	4	34.6	10.2	4.41	2	3
23783	106917	-	2	2	5	2	2	2	3	1	4	132	162	35	16.0	2	5	4	36.6	11.7	4.18	1	3
23784	106918	-	2	2	5	2	2	2	3	1	4	136	162	40	20.0	2	5	4	33.5	11.0	4.27	2	3
23785	106919	-	2	2	5	2	2	2	3	1	4	136	162	40	20.0	2	5	4	36.9	12.8	3.90	1	3
23786	106920	-	3	2	5	2	2	2	3	1	4	137	161	45	23.0	2	5	4	32.9	13.9	3.73	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23787	106921	-	3	2	5	2	2	2	3	1	4	130	162	55	27.0	2	5	4	35.2	14.4	3.65	1	3
23788	106922	-	3	2	5	2	2	2	3	1	4	131	162	50	20.0	2	5	4	37.5	11.5	4.08	1	3
23789	106923	-	3	2	7	2	2	2	3	1	4	125	157	45	23.0	2	4	4	40.1	12.7	3.85	1	3
23790	106924	-	3	2	7	2	2	2	3	1	4	131	162	45	22.0	2	4	4	38.8	12.5	3.77	1	3
23791	106925	-	3	2	5	2	2	1	3	1	4	132	162	50	21.0	2	5	4	39.0	10.4	4.13	2	3
23792	106926	-	2	2	5	2	2	2	3	1	4	137	162	40	24.0	2	5	4	35.4	10.2	4.21	1	3
23793	106927	-	3	2	5	2	2	2	3	1	4	132	159	50	30.0	2	5	4	37.0	13.4	3.50	1	3
23794	106928	-	2	2	5	2	2	2	3	1	4	133	160	40	25.0	2	5	4	37.7	13.7	3.70	1	3
23795	106929	-	3	2	5	2	2	2	3	1	4	128	162	45	19.0	2	5	4	35.6	13.9	3.81	1	3
23796	106930	-	3	2	7	2	2	2	3	1	4	132	162	40	24.0	2	4	4	34.1	13.9	3.66	2	3
23797	106931	-	2	2	5	2	2	2	3	1	4	138	162	40	22.0	2	5	4	36.0	14.7	3.71	1	3
23798	106932	-	2	2	5	2	2	2	3	1	4	132	163	45	23.0	1	5	4	31.8	15.2	3.71	1	3
23799	106933	-	3	2	5	2	2	2	3	1	4	130	159	45	22.0	2	5	4	39.8	12.8	3.90	1	3
23800	106934	-	3	2	5	2	2	1	3	1	4	124	160	50	24.0	2	5	4	37.2	13.8	3.76	1	3
23801	106935	-	2	2	7	2	2	2	3	1	4	132	163	45	24.0	2	4	4	38.9	12.9	3.83	2	3
23802	106936	-	3	2	5	2	2	2	3	1	2	137	162	45	24.0	2	5	4	44.6	12.1	3.96	1	3
23803	106937	-	3	2	5	2	2	2	3	1	4	133	159	40	23.0	2	4	4	37.8	12.7	3.93	2	3
23804	106938	-	3	2	5	2	2	2	3	1	4	138	159	45	22.0	2	5	4	38.4	11.7	3.93	2	3
23805	106939	-	3	2	5	2	2	2	3	1	4	137	163	40	21.0	2	5	4	34.7	11.0	4.27	2	3
23806	106940	-	3	2	7	2	2	2	3	1	4	133	162	40	24.0	2	5	4	36.5	11.9	4.03	1	3
23807	106941	-	3	2	5	2	2	2	3	1	4	133	162	40	26.0	2	5	4	36.1	12.2	3.85	1	3
23808	106942	-	3	1	5	2	2	1	3	1	2	124	157	45	18.0	2	5	4	36.0	14.5	3.65	1	5
23809	106943	-	3	1	5	2	2	1	3	1	2	121	154	50	19.0	2	5	4	33.2	13.0	3.85	1	5
23810	106944	-	3	1	1	2	2	2	3	1	2	121	154	50	24.0	2	5	4	34.3	12.4	3.72	1	7
23811	106945	-	3	2	5	2	2	1	3	1	4	128	156	50	20.0	1	5	4	39.4	11.5	4.17	1	5
23812	106946	-	3	1	3	2	2	1	3	1	2	125	154	50	20.0	2	5	4	33.1	12.0	3.92	1	7
23813	106947	-	3	1	5	2	2	1	3	1	4	124	154	45	18.0	2	5	4	33.8	12.0	4.00	1	5
23814	106948	-	3	1	5	2	2	1	3	1	4	122	153	50	22.0	2	5	4	31.9	12.7	3.86	1	3
23815	106949	-	3	1	5	2	2	2	3	1	2	123	155	45	18.0	2	5	4	33.9	10.4	4.32	1	5
23816	106950	-	3	1	5	2	2	1	3	1	2	122	156	50	20.0	2	5	4	34.8	13.2	3.77	1	3
23817	106951	-	3	1	3	2	2	2	3	1	2	121	152	45	19.0	2	5	4	32.6	12.0	3.89	1	5
23818	106952	-	3	1	5	2	2	1	3	1	4	128	159	45	22.0	2	5	4	37.8	14.7	3.65	1	3
23819	106953	-	3	1	5	2	2	1	3	1	4	123	157	50	19.0	2	5	4	35.2	11.5	4.26	1	3
23820	106954	-	3	1	5	2	2	2	3	1	4	122	156	50	19.0	2	5	4	30.1	12.3	3.86	1	3
23821	106955	-	3	1	5	2	2	2	3	1	2	131	160	45	17.0	2	5	4	34.3	13.3	3.72	1	3
23822	106956	-	3	1	5	2	2	1	3	1	4	124	157	50	20.0	2	5	4	34.7	11.6	4.13	1	3
23823	106957	-	3	1	3	2	2	1	3	1	-	123	154	50	19.0	2	5	4	32.9	12.1	3.90	1	5
23824	106958	-	3	1	3	2	2	2	1	1	-	122	154	55	15.0	2	5	4	37.6	10.4	4.16	1	7
23825	106959	-	3	1	5	2	2	2	1	1	1	118	152	55	22.0	2	5	4	35.9	10.2	4.31	1	5
23826	106960	-	3	1	5	2	2	1	3	1	4	122	155	50	19.0	2	5	4	34.2	9.0	4.88	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23827	106961	-	3	1	5	2	2	1	1	1	2	121	152	45	17.0	2	5	4	33.4	11.5	3.96	1	7
23828	106962	-	3	1	1	2	2	2	1	1	2	118	152	55	21.0	2	5	4	33.8	11.1	4.32	1	5
23829	106963	-	3	1	3	2	2	2	9	1	4	122	153	45	23.0	2	5	4	34.6	10.2	4.50	1	5
23830	106964	-	3	1	3	2	2	1	9	1	2	131	160	40	21.0	2	5	4	37.0	13.1	3.82	1	3
23831	106965	-	3	1	3	2	2	1	3	1	4	119	153	50	21.0	2	5	4	33.1	13.6	4.04	1	3
23832	106966	-	3	1	5	2	2	1	3	1	4	119	153	50	20.0	2	5	4	38.5	11.7	3.94	1	5
23833	106967	-	3	1	5	2	2	2	3	1	4	119	152	60	19.0	2	5	4	36.0	11.7	3.91	1	7
23834	106968	-	3	1	5	2	2	2	3	1	4	119	152	50	19.0	2	5	4	40.5	11.2	4.00	1	5
23835	106969	-	3	1	5	2	2	1	3	1	4	131	159	45	16.0	2	5	4	39.2	12.5	3.87	2	3
23836	106970	-	3	1	3	2	2	2	3	1	4	132	159	40	20.0	2	5	4	39.6	13.7	3.74	1	3
23837	106971	-	3	1	1	2	2	2	3	1	4	133	163	55	14.0	2	5	4	33.0	14.0	3.71	1	3
23838	106972	-	3	1	3	2	2	2	3	1	4	116	152	50	23.0	2	5	4	31.0	12.0	3.89	1	3
23839	106973	-	3	1	5	2	2	2	1	1	2	116	151	60	27.0	2	5	4	31.0	11.7	3.82	1	5
23840	106974	-	3	1	5	2	2	1	3	1	4	123	156	45	17.0	2	5	4	32.7	12.3	3.86	1	3
23841	106975	-	3	1	5	2	2	1	3	1	2	123	154	55	18.0	2	5	4	36.5	10.4	4.30	1	3
23842	106976	-	3	1	5	2	2	1	3	1	4	124	156	50	17.0	2	5	4	35.9	11.5	3.99	1	3
23843	106977	-	2	1	5	2	2	1	3	1	-	132	163	40	20.0	2	5	4	34.0	14.4	3.66	1	3
23844	106978	-	3	1	5	1	2	2	3	1	4	121	159	70	24.0	2	5	4	33.7	12.0	3.93	1	5
23845	106979	-	3	1	3	1	2	2	3	1	-	118	152	60	22.0	2	5	4	30.8	10.8	4.25	1	5
23846	106980	-	3	1	5	2	2	1	3	1	2	124	157	50	22.0	2	5	4	31.4	9.8	4.38	1	5
23847	106981	-	3	1	3	2	2	1	3	1	4	125	156	45	17.0	2	5	4	33.9	12.7	3.83	1	5
23848	106982	-	3	1	5	2	2	1	5	1	4	132	163	35	20.0	2	5	4	39.1	11.4	4.05	2	3
23849	106983	-	3	1	5	2	2	1	1	1	2	124	155	45	21.0	2	5	4	31.9	10.0	4.60	1	3
23850	106984	-	3	1	5	2	2	1	3	1	4	124	159	55	11.0	2	5	4	35.3	11.4	4.21	2	3
23851	106985	-	3	1	5	2	2	1	3	1	4	122	156	45	20.0	2	5	4	37.6	10.3	4.46	2	3
23852	106986	-	3	1	5	2	2	1	3	1	4	121	159	50	18.0	2	5	4	33.0	13.5	3.75	2	5
23853	106987	-	3	1	5	2	2	1	3	1	-	138	159	30	15.0	2	5	4	29.5	10.8	4.62	1	3
23854	106988	-	3	1	3	2	2	2	3	1	4	137	160	40	21.0	2	5	4	39.7	11.1	4.41	1	3
23855	106989	-	3	1	5	2	2	2	3	1	4	122	152	40	20.0	2	5	4	31.7	13.3	3.73	1	5
23856	106990	-	3	1	5	2	2	1	3	1	4	132	163	40	18.0	2	5	4	33.7	12.3	4.06	1	3
23857	106991	-	2	1	5	2	2	1	3	1	-	131	160	45	20.0	2	5	4	33.3	13.5	3.81	1	3
23858	106992	-	2	1	5	2	2	1	3	1	2	120	156	50	20.0	2	5	4	34.9	12.5	3.74	1	5
23859	106993	-	3	1	5	2	2	1	3	1	4	121	153	50	19.0	2	5	4	35.3	11.8	3.87	1	5
23860	106994	-	2	1	5	2	2	1	9	1	2	133	160	45	21.0	2	5	4	33.5	12.5	3.94	1	3
23861	106995	-	3	1	5	2	2	1	3	1	4	130	160	45	22.0	2	5	4	31.6	14.0	3.84	1	3
23862	106996	-	2	1	5	2	2	1	3	1	-	123	164	45	23.0	2	5	4	33.6	13.4	3.79	1	5
23863	106997	-	2	1	5	2	2	1	3	1	2	133	164	50	20.0	2	5	4	38.3	14.5	3.73	1	3
23864	106998	-	3	1	5	2	2	2	3	1	2	122	153	50	15.0	2	5	4	29.8	12.4	3.70	1	5
23865	106999	-	3	1	3	1	2	1	3	1	2	122	156	55	25.0	2	5	4	33.8	12.5	3.77	1	5
23866	107000	-	3	1	3	2	2	1	1	1	2	118	153	60	21.0	2	5	4	33.1	12.9	3.81	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23867	107001	-	3	1	3	2	2	1	3	1	4	132	157	40	16.0	2	5	4	32.9	13.2	3.87	1	3
23868	107002	-	3	1	3	2	2	1	9	1	2	132	159	45	12.0	2	5	4	33.7	14.1	3.73	1	3
23869	107003	-	3	1	3	2	2	2	3	1	2	118	151	60	20.0	2	5	4	32.9	12.7	3.91	1	3
23870	107004	-	3	1	3	2	2	1	3	1	2	121	152	50	20.0	2	5	4	31.5	13.0	3.83	2	3
23871	107005	-	3	1	3	2	2	1	3	1	1	128	158	40	15.0	2	5	4	37.0	9.2	4.67	2	3
23872	107006	-	3	1	3	2	2	1		1		121	153	50	16.0	2	5	4	37.7	10.7	4.48	1	3
23873	107007	-	3	1	5	2	2	1		1	2	122	157	55	16.0	2	5	4	34.5	11.2	4.28	1	3
23874	107008	-	2	1	5	2	2	1		1	2	131	159	50	17.0	2	5	4	33.8	12.3	4.22	1	3
23875	107009	-	3	1	3	2	2	1	3	1	4	124	155	50	17.0	2	5	4	34.5	10.9	3.98	1	5
23876	107010	-	3	1	3	2	2	1	3	1	4	120	151	45	18.0	2	5	4	29.6	12.7	4.09	1	3
23877	107011	-	3	1	3	2	2	2	3	1		124	158	50	19.0	2	5	4	34.0	12.9	3.87	1	3
23878	107012	-	3	1	3	2	2	2	3	1	4	122	159	50	20.0	2	5	4	32.5	11.8	4.15	1	3
23879	107013	-	3	1	3	2	2	1	3	1	4	121	152	60	17.0	2	5	4	32.5	13.5	3.67	1	3
23880	107014	-	3	1	3	2	2	2	3	1	4	125	158	45	24.0	2	5	4	24.9	12.2	3.94	1	3
23881	107015	-	3	1	3	2	2	2	1	1	2	121	151	55	19.0	2	5	4	31.1	11.9	3.89	1	3
23882	107016	-	3	1	1	2	2	2	3	1	2	125	152	50	15.0	2	5	4	34.0	11.8	4.23	1	3
23883	107017	-	3	1	3	2	2	1	3	1	4	124	158	50	20.0	2	5	4	35.2	12.0	3.97	2	3
23884	107018	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	11.5	4.08	-	-	-
23885	107019	-	3	1	3	2	2	1	3	1	4	123	155	50	19.0	2	5	4	34.1	11.4	4.03	1	3
23886	107020	-	3	1	3	2	2	1	3	1	2	124	155	50	16.0	2	5	4	36.2	11.4	3.96	1	3
23887	107021	-	3	1	3	2	2	1	1	1	2	121	155	50	24.0	2	5	4	36.0	10.7	4.05	1	3
23888	107022	-	3	1	5	2	2	2	3	1	4	119	151	60	18.0	2	5	4	33.6	10.8	4.07	1	3
23889	107023	-	3	1	3	2	2	1	1	1	4	120	151	55	13.0	2	5	4	35.1	12.4	4.03	1	3
23890	107024	-	3	1	3	2	2	2	1	1	2	115	152	60	25.0	2	5	4	33.8	10.3	4.07	1	3
23891	107025	-	3	1	3	2	2	1	9	1	2	123	158	50	17.0	2	5	4	36.3	11.1	3.95	2	3
23892	107026	-	3	1	3	2	2	1	3	1	2	124	155	40	21.0	2	5	4	30.9	12.3	4.14	1	3
23893	107027	-	3	1	3	2	2	2	3	1	4	123	154	50	18.0	2	5	4	40.2	11.3	4.33	1	3
23894	107028	-	3	1	3	2	2	2	3	1	4	123	155	55	12.0	2	5	4	37.3	10.7	4.01	1	3
23895	107029	-	3	1	3	2	2	1	3	1	4	123	152	50	17.0	2	5	4	34.8	11.1	4.01	1	3
23896	107030	-	3	1	3	2	2	1	9	1	2	125	160	50	17.0	2	5	4	35.5	10.4	4.17	1	3
23897	107031	-	3	1	3	2	2	2	9	1	-	123	151	50	17.0	2	5	4	34.6	10.7	4.12	1	3
23898	107032	-	3	1	3	2	2	2	3	1	-	124	153	50	18.0	2	5	4	33.8	10.1	4.13	1	3
23899	107033	-	3	1	3	2	2	2	3	1	4	122	151	60	17.0	2	5	4	32.7	-	-	1	3
23900	107034	-	2	1	3	2	2	1	5	1	4	136	160	45	15.0	2	5	4	32.5	11.0	4.21	1	3
23901	107035	-	3	1	3	2	2	1	1	1	2	118	152	55	16.0	2	5	4	33.9	12.7	3.76	1	3
23902	107036	-	3	1	3	2	2	1	3	1	2	124	154	55	16.0	2	5	4	37.8	12.3	3.80	1	3
23903	107037	-	3	2	3	2	2	2	3	1	4	130	158	55	20.0	2	5	4	40.0	13.7	3.79	1	3
23904	107038	-	2	2	3	2	2	2	5	1	4	130	162	55	27.0	2	5	4	41.3	15.4	3.61	2	3
23905	107039	-	3	1	3	2	2	2	3	1	4	123	155	60	16.0	2	5	4	34.7	12.9	3.71	1	3
23906	107040	-	3	1	3	1	2	2	1	1	-	122	151	65	20.0	2	5	4	33.4	12.0	3.95	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23907	107041	-	2	1	3	2	2	2	5	1	2	136	159	40	17.0	2	5	4	30.7	11.9	3.84	1	3
23908	107042	-	2	1	3	2	2	2	9	1	2	137	159	40	22.0	3	5	4	30.4	13.2	3.76	1	3
23909	107043	-	3	1	3	2	2	1	3	1	4	136	158	40	19.0	3	5	4	26.8	12.5	3.94	1	3
23910	107044	-	3	1	5	2	2	1	3	1	2	135	163	55	20.0	2	5	4	34.0	13.1	3.95	1	3
23911	107045	-	3	1	3	2	2	2	3	1	4	122	151	50	17.0	2	5	4	35.7	-	-	1	3
23912	107046	-	3	1	3	2	2	1	3	1	4	122	152	55	21.0	2	5	4	34.7	13.0	3.81	1	3
23913	107047	-	3	1	3	2	2	1	3	1	4	124	158	50	20.0	2	5	4	38.0	13.0	3.66	2	3
23914	107048	-	3	1	3	2	2	2	3	1	4	137	157	50	17.0	2	5	4	37.0	-	-	1	3
23915	107049	-	3	1	5	2	2	1	3	1	4	118	152	50	16.0	2	5	4	34.9	12.5	3.75	1	3
23916	107050	-	3	1	3	2	2	1	3	1	4	115	151	65	19.0	2	5	4	32.0	13.9	3.67	1	3
23917	107051	-	3	1	3	2	2	1	3	1	4	121	152	55	20.0	2	5	4	35.1	13.7	3.76	1	3
23918	107052	-	3	1	5	2	2	2	3	1	4	122	159	50	17.0	2	5	4	34.9	15.4	3.53	1	3
23919	107053	-	3	1	1	2	2	1	3	1	4	123	155	45	19.0	2	5	4	34.7	-	-	1	3
23920	107054	-	3	1	3	2	2	1	3	1	-	122	152	55	17.0	2	5	4	33.9	12.0	3.93	1	3
23921	107055	-	3	1	3	2	2	1	9	1	2	130	155	45	18.0	2	5	4	33.8	-	-	1	3
23922	107056	-	3	1	3	2	2	1	9	1	2	130	159	40	12.0	2	5	4	34.4	13.7	3.77	1	3
23923	107057	-	3	1	3	2	2	1	3	1	4	120	151	50	18.0	2	5	4	30.4	-	-	1	3
23924	107058	-	3	1	3	2	2	1	3	1	2	125	157	50	18.0	2	5	4	31.7	12.3	3.91	1	3
23925	107059	-	3	1	3	2	2	1	9	1	2	122	152	45	17.0	2	5	4	32.8	-	-	1	3
23926	107060	-	3	1	5	2	2	1	3	1	4	122	154	55	18.0	2	5	4	35.1	-	-	1	3
23927	107061	-	3	1	3	2	2	1	3	1	4	122	153	50	17.0	2	5	4	32.6	-	-	1	3
23928	107062	-	3	1	3	2	2	1	3	1	2	123	157	55	18.0	2	5	4	36.7	12.1	3.90	1	3
23929	107063	-	3	1	3	2	2	2	3	1	2	127	165	80	16.0	2	5	4	44.5	15.1	3.55	1	3
23930	107064	-	3	1	3	2	2	1	3	1	4	117	152	70	17.0	2	5	4	35.2	-	-	1	3
23931	107065	-	3	1	1	2	2	1	3	1	4	116	154	45	24.0	2	5	4	35.3	-	-	1	3
23932	107066	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23933	107067	-	3	1	3	2	2	1	3	1	4	130	157	45	24.0	2	5	4	39.2	11.5	4.01	1	3
23934	107068	-	3	2	3	2	2	2	3	1	4	137	158	60	21.0	2	5	4	43.5	12.8	3.95	2	3
23935	107069	-	3	1	3	2	2	1	3	1	4	122	151	50	17.0	2	5	4	26.3	11.7	3.87	1	3
23936	107070	-	3	1	3	2	2	1	1	1	4	121	151	55	21.0	2	5	4	32.4	11.4	3.89	1	3
23937	107071	-	3	1	3	2	2	1	3	1	4	122	151	60	19.0	2	5	4	39.4	10.7	4.16	1	3
23938	107072	-	3	1	3	2	2	1	1	1	-	123	152	56	14.0	2	5	4	33.4	10.4	3.93	1	3
23939	107073	-	3	1	3	2	2	1	1	1	4	118	152	65	17.0	2	5	4	33.3	-	-	1	3
23940	107074	-	3	1	3	2	2	1	1	1	2	130	155	50	16.0	2	5	4	32.9	11.2	3.94	1	3
23941	107075	-	3	1	3	2	2	1	1	1	2	123	152	50	19.0	2	5	4	33.1	-	-	1	3
23942	107076	-	3	1	3	2	2	2	1	1	2	118	151	55	21.0	2	5	4	35.0	-	-	1	3
23943	107077	-	3	1	3	2	2	1	1	1	2	123	155	50	18.0	2	5	4	33.0	11.3	4.01	1	3
23944	107078	-	3	2	3	2	2	2	3	1	4	124	154	50	24.0	2	5	4	42.5	-	-	1	3
23945	107079	-	3	1	3	2	2	1	1	1	2	122	152	55	17.0	2	5	4	33.5	-	-	1	3
23946	107080	-	3	1	3	2	2	1	1	1	4	116	151	60	19.0	2	5	4	32.8	11.0	3.94	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23947	107081	-	3	1	3	2	2	2	3	1	4	123	154	60	15.0	2	5	4	38.3	11.3	3.99	2	3
23948	107082	-	3	1	3	2	2	2	3	1	4	122	152	60	18.0	2	5	4	36.5	10.2	3.90	1	3
23949	107083	-	3	1	1	2	2	2	3	1	4	130	158	45	16.0	2	5	4	37.6	-	-	1	3
23950	107084	-	1	1	3	2	2	1	3	1	4	137	166	50	13.0	2	5	4	33.7	-	-	1	3
23951	107085	-	3	1	3	2	2	1	1	1	-	124	155	45	16.0	2	5	4	34.9	-	-	1	5
23952	107086	-	3	1	3	2	2	2	3	1	4	129	158	50	16.0	2	5	4	37.5	12.4	3.91	1	3
23953	107087	-	3	1	3	2	2	2	1	1	2	120	151	55	18.0	2	5	4	28.4	-	-	1	3
23954	107088	-	3	1	3	2	2	2	1	1	2	122	152	50	20.0	2	5	4	31.3	11.7	3.92	1	3
23955	107089	-	3	1	3	2	2	1	1	1	2	125	158	45	24.0	2	5	4	31.4	11.9	3.88	1	3
23956	107090	-	3	1	3	2	2	2	3	1	4	125	155	55	18.0	2	5	4	38.1	11.7	3.91	1	3
23957	107091	-	3	1	3	2	2	2	3	1	4	122	157	50	12.0	2	5	4	36.3	-	-	1	3
23958	107092	-	3	1	1	2	2	2	1	1	2	116	151	50	20.0	2	5	4	35.7	11.3	4.11	1	3
23959	107093	-	3	1	3	2	2	1	3	1	4	130	159	45	19.0	2	5	4	36.8	14.0	3.75	1	3
23960	107094	-	3	1	1	2	2	1	3	1	4	130	155	40	24.0	2	5	4	32.8	-	-	1	3
23961	107095	-	3	1	3	2	2	1	3	1	2	120	157	50	19.0	2	5	4	35.2	11.2	4.03	1	3
23962	107096	-	3	1	3	2	2	1	3	1	4	131	156	50	19.0	2	5	4	38.7	13.0	3.73	1	3
23963	107097	-	3	1	3	2	2	2	1	1	2	123	154	40	17.0	2	5	4	32.5	-	-	1	3
23964	107098	-	3	1	1	2	2	1	3	1	4	123	154	50	20.0	2	5	4	32.0	-	-	1	3
23965	107099	-	3	1	3	2	2	2	3	1	2	130	158	50	15.0	2	5	4	33.1	-	-	1	3
23966	107100	-	3	1	3	2	2	1	3	1	4	131	159	45	14.0	2	5	4	33.0	-	-	1	3
23967	107101	-	3	1	3	2	2	1	3	1	-	123	155	50	17.0	2	5	4	44.4	-	-	1	3
23968	107102	-	3	1	3	2	2	1	1	1	-	124	155	50	17.0	2	5	4	38.5	-	-	1	5
23969	107103	-	3	1	3	2	2	1	5	1	4	129	157	40	18.0	2	5	4	34.9	-	-	1	5
23970	107104	-	3	1	3	2	2	2	1	1	4	124	155	55	25.0	2	5	4	30.1	-	-	1	5
23971	107105	-	3	1	3	2	2	1	3	1	2	123	155	50	24.0	2	5	4	32.7	-	-	1	5
23972	107106	-	3	1	3	2	2	1	3	1	4	122	154	50	22.0	2	5	4	39.6	-	-	1	5
23973	107107	-	3	1	3	2	2	2	1	1	4	120	152	55	16.0	2	5	4	33.1	-	-	1	5
23974	107108	-	3	1	3	2	2	1	1	1	4	121	152	65	21.0	2	5	4	41.1	-	-	1	5
23975	107109	-	3	1	3	2	2	2	3	1	4	128	159	50	17.0	2	5	4	39.6	13.5	3.81	2	5
23976	107110	-	3	1	3	2	2	1	1	1	4	124	158	50	20.0	2	5	4	36.6	12.2	3.97	2	5
23977	107111	-	3	1	3	2	2	2	3	1	4	124	157	50	24.0	2	5	4	32.3	12.8	3.89	1	5
23978	107112	-	3	1	3	2	2	2	3	1	4	130	157	40	22.0	2	5	4	33.9	-	-	1	5
23979	107113	-	3	1	5	2	2	2	3	1	-	131	162	55	17.0	2	5	4	33.8	14.0	3.71	1	5
23980	107114	-	3	1	3	2	2	2	3	1	-	127	158	50	19.0	2	5	4	29.9	-	-	1	5
23981	107115	-	3	1	3	2	2	2	3	1	4	121	154	60	28.0	2	5	4	38.9	12.5	3.88	1	5
23982	107116	-	3	1	3	2	2	2	3	1	4	122	152	60	18.0	2	5	4	34.1	-	-	1	5
23983	107117	-	3	1	3	2	2	1	1	1	2	125	159	45	19.0	2	5	4	31.4	-	-	1	5
23984	107118	-	3	1	3	2	2	1	1	1	2	124	159	50	20.0	2	5	4	32.2	-	-	1	7
23985	107119	-	3	1	3	2	2	2	3	1	2	130	158	50	16.0	2	5	4	32.1	9.8	4.25	1	5
23986	107120	-	3	1	3	2	2	2	3	1	4	124	157	50	20.0	2	5	4	32.2	9.6	4.23	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
23987	107121	-	3	1	3	2	2	1	9	1	4	122	157	50	17.0	2	5	4	31.1	10.9	4.09	1	5
23988	107122	-	3	1	3	2	2	1	3	1	2	124	158	45	19.0	2	5	4	31.4	12.1	3.91	1	5
23989	107123	-	3	1	3	2	2	1	3	1	4	131	160	40	15.0	2	5	4	32.7	15.3	3.67	1	5
23990	107124	-	3	1	3	2	2	1	9	1	2	125	159	45	19.0	2	5	4	35.1	11.8	4.06	1	5
23991	107125	-	3	1	3	2	2	2	3	1	4	121	152	40	18.0	2	5	4	30.3	10.5	4.06	1	5
23992	107126	-	3	1	3	2	2	2	3	1	4	120	151	55	17.0	2	5	4	35.0	-	-	1	3
23993	107127	-	3	1	3	2	2	2	3	1	4	121	151	55	18.0	2	5	4	32.4	-	-	1	3
23994	107128	-	3	1	3	2	2	2	3	1	4	124	155	50	20.0	2	5	4	44.2	10.7	4.12	1	3
23995	107129	-	3	1	5	2	2	2	3	1	4	122	151	60	15.0	2	5	4	41.3	11.2	4.04	2	3
23996	107130	-	3	1	3	2	2	2	3	1	4	123	152	60	16.0	2	5	4	37.3	10.3	4.15	1	3
23997	107131	-	3	1	3	2	2	2	3	1	4	123	152	50	17.0	2	5	4	35.6	11.0	4.45	1	3
23998	107132	-	3	1	3	2	2	2	3	1	4	125	151	40	17.0	2	5	4	37.4	12.2	4.09	2	3
23999	107133	-	3	1	3	2	2	2	1	1	2	122	153	50	18.0	2	5	4	31.9	11.6	4.31	1	3
24000	107134	-	3	1	3	2	2	1	3	1	-	122	158	60	20.0	2	5	4	35.7	11.8	4.23	1	3
24001	107135	-	2	1	3	2	2	1	3	1	4	130	159	40	15.0	2	5	4	36.6	11.8	4.15	1	3
24002	107136	-	3	1	3	2	2	1	3	1	4	131	159	50	16.0	2	5	4	37.8	11.0	4.45	1	3
24003	107137	-	3	1	3	2	2	1	1	1	2	117	151	70	18.0	2	5	4	35.8	12.4	3.83	1	3
24004	107138	-	3	1	3	2	2	2	1	1	2	120	152	75	20.0	2	5	4	35.9	10.2	4.50	1	3
24005	107139	-	3	1	3	2	2	1	3	1	-	122	159	55	27.0	2	5	4	37.5	11.5	3.99	1	-
24006	107140	-	2	1	3	2	2	2	3	1	4	124	158	50	17.0	2	5	4	36.6	11.8	3.90	1	3
24007	107141	-	3	1	3	2	2	2	3	1	4	124	154	60	17.0	2	5	4	37.0	11.1	4.32	1	3
24008	107142	-	3	1	3	2	2	2	3	1	4	124	155	50	13.0	2	5	4	39.1	11.5	4.34	1	3
24009	107143	-	3	1	3	2	2	1	3	1	4	131	159	45	14.0	2	5	4	36.1	13.1	3.91	1	3
24010	107144	-	3	1	3	2	2	1	3	1	4	121	154	50	17.0	2	5	4	38.2	12.5	3.82	1	3
24011	107145	-	3	1	3	2	2	1	1	1	2	123	157	50	17.0	2	5	4	40.8	11.0	4.27	1	3
24012	107146	-	3	1	3	2	2	1	3	1	2	123	157	45	14.0	2	5	4	33.0	12.5	4.04	1	3
24013	107147	-	3	1	3	2	2	1	3	1	2	124	158	40	14.0	2	5	4	32.0	13.2	3.86	1	3
24014	107148	-	3	1	3	2	2	1	3	1	4	120	152	45	17.0	2	5	4	35.8	12.0	4.00	1	3
24015	107149	-	3	1	3	2	2	2	3	1	4	123	155	50	18.0	2	5	4	36.8	12.4	4.11	1	3
24016	107150	-	3	1	3	2	2	1	3	1	4	131	162	40	15.0	2	5	4	33.2	15.7	3.61	2	3
24017	107151	-	3	1	3	2	2	1	3	1	4	129	159	50	20.0	2	5	4	33.0	13.5	3.83	1	3
24018	107152	-	3	1	3	2	2	1	1	1	2	124	158	45	17.0	2	5	4	31.9	11.7	4.01	2	3
24019	107153	-	3	1	3	2	2	1	3	1	4	125	158	50	20.0	2	5	4	32.9	11.2	4.28	1	3
24020	107154	-	1	1	5	2	2	1	3	1	4	131	160	45	17.0	2	5	4	35.0	11.8	4.23	1	3
24021	107155	-	3	1	3	2	2	1	1	1	2	132	159	40	18.0	2	5	4	32.6	13.2	3.93	1	3
24022	107156	-	3	1	3	1	2	2	1	1	-	122	157	60	21.0	2	5	4	36.1	12.5	3.84	1	3
24023	107157	-	3	1	3	2	2	2	3	1	-	131	158	40	19.0	2	5	4	31.7	17.0	3.51	1	3
24024	107158	-	3	1	3	2	2	1	1	1	2	116	152	55	19.0	2	5	4	29.9	12.3	3.70	1	3
24025	107159	-	3	1	3	2	2	1	1	1	2	121	155	60	20.0	2	5	4	35.2	13.2	3.82	1	3
24026	107160	-	3	1	3	2	2	1	3	1	4	121	157	50	19.0	2	5	4	33.0	12.6	4.04	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24027	107161	-	3	1	3	2	2	1	3	1	4	125	157	50	18.0	2	5	4	34.7	13.6	3.69	1	3
24028	107162	-	2	1	3	2	2	2	3	1	-	130	160	45	19.0	2	5	4	30.6	12.9	3.91	1	3
24029	107163	-	3	1	3	2	2	2	3	1	4	122	155	65	17.0	2	5	4	31.3	11.8	4.23	1	3
24030	107164	-	3	1	3	2	2	1	3	1	-	128	159	55	18.0	2	5	4	36.1	9.6	4.58	1	3
24031	107165	-	3	1	3	2	2	1	1	1	2	132	159	35	19.0	3	5	4	29.1	11.0	4.36	2	3
24032	107166	-	3	1	3	2	2	1	1	1	2	131	159	35	26.0	2	5	4	31.2	10.9	4.17	2	3
24033	107167	-	3	1	3	2	2	2	1	1	2	123	159	55	20.0	2	5	4	34.9	-	-	2	3
24034	107168	-	3	1	3	2	2	2	1	1	2	121	152	50	20.0	2	5	4	33.5	10.3	4.04	1	3
24035	107169	-	3	1	3	2	2	1	3	1	4	131	159	40	17.0	2	5	4	39.9	11.6	4.00	1	3
24036	107170	-	3	1	3	2	2	2	3	1	4	131	162	35	22.0	2	5	4	33.9	9.6	4.68	2	3
24037	107171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24038	107172	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24039	107173	-	3	1	3	2	2	2	3	1	4	125	158	55	20.0	2	5	4	31.9	11.0	4.45	1	3
24040	107174	-	2	1	3	2	2	1	3	1	4	131	162	40	20.0	2	5	4	36.2	10.6	4.43	1	3
24041	107175	-	2	1	3	2	2	1	3	1	4	137	162	50	15.0	2	5	4	36.4	10.8	4.22	1	3
24042	107176	-	3	1	3	2	2	1	1	1	2	123	154	45	18.0	2	5	4	29.3	9.8	4.20	1	3
24043	107177	-	3	1	3	2	2	1	9	1	2	123	155	50	19.0	2	5	4	31.5	9.9	4.25	1	3
24044	107178	-	3	1	3	2	2	1	3	1	4	123	155	50	19.0	2	5	4	34.2	11.6	4.22	1	3
24045	107179	-	3	1	3	2	2	1	3	1	4	124	154	50	18.0	2	5	4	31.5	11.2	4.37	1	3
24046	107180	-	3	1	3	2	2	2	3	1	4	123	159	50	18.0	2	5	4	34.1	10.3	4.17	1	3
24047	107181	-	3	1	3	2	2	2	3	1	4	117	151	55	19.0	2	5	4	35.8	12.0	4.08	1	3
24048	107182	-	3	1	3	2	2	2	1	1	2	122	152	60	20.0	2	5	4	33.6	11.1	3.95	2	3
24049	107183	-	3	1	3	2	2	2	3	1	2	122	153	60	20.0	2	5	4	37.3	12.0	4.00	1	3
24050	107184	-	3	1	3	2	2	1	3	1	4	130	159	40	20.0	2	5	4	33.0	11.9	4.05	1	3
24051	107185	-	3	1	3	2	2	2	3	1	4	131	157	45	17.0	2	5	4	34.7	9.3	4.62	1	3
24052	107186	-	3	-	5	1	2	1	3	1	4	122	156	60	22.0	2	5	4	41.7	12.8	4.06	1	3
24053	107187	-	3	1	3	2	2	2	3	1	2	122	155	60	19.0	2	5	4	33.2	11.7	3.81	1	3
24054	107188	-	3	1	3	2	2	1	5	1	4	129	166	65	17.0	2	5	4	29.8	14.2	3.68	1	3
24055	107189	-	3	1	3	2	2	1	9	1	2	130	159	40	24.0	2	5	4	34.9	10.7	4.29	1	3
24056	107190	-	3	1	3	2	2	2	1	1	2	121	151	55	21.0	2	5	4	36.4	11.2	4.10	1	3
24057	107191	-	3	1	3	2	2	1	3	1	4	122	155	50	20.0	2	5	4	32.8	11.1	4.41	1	3
24058	107192	-	3	1	3	2	2	2	3	1	4	125	155	50	22.0	2	5	4	35.2	11.7	4.18	1	3
24059	107193	-	3	1	3	2	2	1	3	1	2	123	155	45	18.0	2	5	4	34.7	10.1	4.09	1	3
24060	107194	-	3	1	3	2	2	2	3	1	2	125	158	50	20.0	2	5	4	40.9	12.6	3.96	1	3
24061	107195	-	3	1	3	2	2	1	3	1	4	125	157	30	20.0	2	5	4	36.8	11.3	4.02	1	3
24062	107196	-	3	1	3	2	2	1	3	1	2	131	155	45	16.0	2	5	4	31.1	12.1	3.90	2	3
24063	107197	-	3	1	3	2	2	2	3	1	4	116	151	60	22.0	2	5	4	35.6	13.4	3.64	1	3
24064	107198	-	3	1	3	2	2	1	3	1	4	116	151	65	19.0	2	5	4	36.3	13.5	3.66	1	3
24065	107199	-	3	1	3	2	2	1	3	1	4	117	151	55	18.0	2	5	4	36.0	12.2	3.84	1	3
24066	107200	-	3	1	3	2	2	2	3	1	4	122	155	50	25.0	2	5	4	39.3	11.6	4.13	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24067	107201	-	3	1	3	2	2	1	3	1	2	130	161	50	19.0	2	5	4	34.6	11.2	4.28	1	3
24068	107202	-	3	1	3	2	2	1	3	1	-	130	162	45	20.0	2	5	4	32.8	10.7	4.48	1	3
24069	107203	-	3	1	3	2	2	1	1	1	2	130	158	35	16.0	2	5	4	33.6	13.0	3.92	1	3
24070	107204	-	3	1	3	2	2	2	3	1	2	125	159	50	19.0	2	5	4	34.0	13.3	3.88	1	3
24071	107205	-	3	1	3	2	2	1	3	1	4	135	159	40	17.0	2	5	4	34.4	-	-	1	3
24072	107206	-	3	1	3	2	2	2	3	1	4	136	159	45	17.0	2	5	4	36.1	-	-	1	3
24073	107207	-	3	1	3	2	2	1	3	1	4	136	162	50	19.0	2	5	4	37.7	11.9	3.99	1	3
24074	107208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24075	107209	-	2	1	3	2	2	1	9	1	2	131	162	45	18.0	2	5	4	39.4	12.2	4.06	1	3
24076	107210	-	3	1	3	2	2	2	3	1	4	116	151	55	21.0	2	5	4	33.2	11.1	4.05	1	3
24077	107211	-	3	1	3	2	2	2	1	1	2	116	151	50	19.0	2	5	4	33.9	11.7	4.02	1	3
24078	107212	-	2	1	5	2	2	1	1	1	2	136	163	45	17.0	2	5	4	33.7	13.2	3.93	2	3
24079	107213	-	3	1	5	2	2	1	3	1	-	122	160	60	21.0	2	5	4	34.7	10.7	4.09	1	3
24080	107214	-	3	1	3	2	2	1	3	1	-	122	159	60	20.0	2	5	4	34.5	10.7	4.05	1	3
24081	107215	-	3	1	3	2	2	1	3	1	4	124	160	50	21.0	2	5	4	34.4	12.6	3.97	1	3
24082	107216	-	3	1	3	2	2	2	3	1	4	123	158	50	17.0	2	5	4	36.8	12.9	3.76	1	3
24083	107217	-	3	1	3	2	2	1	3	1	4	123	155	50	20.0	2	5	4	33.0	11.4	4.05	1	3
24084	107218	-	3	1	3	2	2	1	3	1	4	121	151	50	22.0	2	5	4	30.1	11.2	4.11	1	3
24085	107219	-	3	1	3	1	2	1	3	1	4	121	151	50	15.0	2	5	4	32.0	11.7	3.97	1	3
24086	107220	-	3	1	3	2	2	1	9	1	-	124	159	55	20.0	2	5	4	39.6	10.5	4.21	1	3
24087	107221	-	3	1	5	2	2	1	3	1	2	131	159	60	22.0	2	5	4	40.8	10.2	4.28	1	3
24088	107222	-	3	1	3	2	2	1	1	1	2	124	157	50	18.0	2	5	4	36.6	9.5	4.33	1	7
24089	107223	-	3	1	3	2	2	2	3	1	2	124	152	50	17.0	2	5	4	34.9	10.5	4.13	1	3
24090	107224	-	3	1	3	2	2	1	9	1	2	130	159	45	20.0	2	5	4	34.1	11.0	4.06	1	3
24091	107225	-	3	1	3	2	2	2	3	1	-	129	158	55	23.0	2	5	4	38.4	10.2	4.31	2	3
24092	107226	-	3	1	3	2	2	2	3	1	2	123	157	55	18.0	2	5	4	37.5	10.6	4.02	1	3
24093	107227	-	3	1	3	2	2	1	1	1	2	118	152	60	20.0	2	5	4	30.4	11.2	4.05	1	3
24094	107228	-	3	1	3	2	2	1	3	1	4	122	151	55	20.0	2	5	4	34.9	-	-	1	3
24095	107229	-	3	1	3	2	2	2	3	1	4	130	157	55	21.0	2	5	4	39.4	10.5	4.14	1	3
24096	107230	-	3	1	3	2	2	2	3	1	2	122	158	50	24.0	2	5	4	36.8	10.2	4.25	1	3
24097	107231	-	3	1	3	2	2	2	3	1	4	122	152	55	16.0	2	5	4	42.0	9.4	4.18	1	3
24098	107232	-	3	1	3	2	2	1	3	1	4	131	157	50	17.0	2	5	4	35.5	11.0	4.12	1	3
24099	107233	-	3	1	1	2	2	2	3	1	2	122	152	50	19.0	2	5	4	34.3	11.9	4.02	1	3
24100	107234	-	3	1	3	2	2	2	3	1	4	122	152	60	19.0	2	5	4	32.7	12.0	3.99	1	3
24101	107235	-	3	1	3	2	-	2	3	-	-	122	158	55	21.0	2	5	4	-	-	-	1	3
24102	107236	-	3	1	3	2	2	2	3	1	4	124	158	55	27.0	2	5	4	34.2	13.3	3.89	1	3
24103	107237	-	3	1	3	2	2	1	3	1	4	124	159	60	23.0	2	5	4	35.7	13.6	3.78	1	3
24104	107238	-	3	1	3	2	2	1	1	1	2	123	159	60	20.0	2	5	4	34.4	12.5	3.92	1	3
24105	107239	-	2	1	3	2	2	1	5	1	4	124	162	45	15.0	2	5	4	31.8	15.1	3.71	1	3
24106	107240	-	1	1	3	2	2	1	5	1	4	135	163	50	17.0	2	5	4	31.1	16.8	3.58	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24107	107241	-	1	1	3	2	2	1	5	1	4	136	162	40	17.0	2	5	4	35.8	15.2	3.70	1	3
24108	107242	-	3	1	3	2	2	1	3	1	4	124	157	50	18.0	2	5	4	37.9	13.7	3.84	2	3
24109	107243	-	3	1	3	2	2	2	3	1	4	123	152	50	18.0	2	5	4	36.4	12.4	3.94	1	3
24110	107244	-	3	1	3	2	2	2	3	1	4	136	159	50	18.0	2	5	4	37.3	13.7	3.75	1	3
24111	107245	-	3	1	3	2	2	2	3	1	4	131	158	50	18.0	2	5	4	33.9	13.8	3.82	1	3
24112	107246	-	2	1	5	2	2	1	3	1	-	137	163	50	12.0	2	5	4	32.1	14.3	3.75	1	3
24113	107247	-	3	1	3	2	2	2	1	1	2	131	157	45	20.0	2	5	4	28.5	13.9	3.79	1	3
24114	107248	-	3	1	3	2	2	2	3	1	4	121	151	50	21.0	2	5	4	34.6	11.9	3.95	1	3
24115	107249	-	3	1	3	2	2	2	3	1	4	120	151	50	17.0	2	5	4	34.6	12.8	3.84	1	3
24116	107250	-	3	1	3	2	2	2	3	1	4	119	151	50	15.0	2	5	4	36.1	12.2	3.96	1	3
24117	107251	-	3	1	3	2	2	2	1	1	2	121	151	55	22.0	2	5	4	32.6	13.7	3.88	1	3
24118	107252	-	3	1	3	2	2	2	1	1	2	121	151	50	22.0	2	5	4	33.0	11.7	4.02	1	3
24119	107253	-	3	1	3	2	2	1	9	1	4	137	160	40	17.0	2	5	4	29.5	16.5	3.60	1	3
24120	107254	-	3	1	3	2	2	1	3	1	4	137	159	30	13.0	2	5	4	32.8	16.6	3.55	1	3
24121	107255	-	3	1	3	2	2	1	3	1	4	132	161	50	17.0	2	5	4	34.9	13.6	3.95	1	3
24122	107256	-	3	1	3	2	2	1	1	1	2	124	156	50	18.0	2	5	4	33.4	11.9	4.02	1	3
24123	107257	-	2	1	3	2	2	2	3	1	2	131	160	45	15.0	2	5	4	36.4	13.0	3.87	1	3
24124	107258	-	3	1	3	2	2	1	1	1	-	124	157	50	19.0	2	5	4	30.9	12.9	3.83	1	3
24125	107259	-	3	1	3	2	2	2	3	1	4	123	152	50	23.0	3	5	4	30.3	13.2	3.78	1	3
24126	107260	-	3	1	1	2	2	1	3	1	4	122	153	50	17.0	2	5	4	28.5	13.7	3.70	2	3
24127	107261	-	3	1	3	2	2	1	3	1	1	124	154	50	17.0	2	5	4	27.1	13.2	3.93	2	3
24128	107262	-	3	1	3	1	2	2	1	1	1	116	154	60	22.0	2	5	4	32.7	10.8	4.16	1	3
24129	107263	-	3	1	3	2	2	1	1	1	2	123	159	65	19.0	2	5	4	37.6	11.1	4.24	1	3
24130	107264	-	3	1	3	2	2	2	1	1	2	122	155	75	23.0	2	5	4	32.0	11.6	4.04	1	3
24131	107265	-	2	1	5	2	2	1	5	1	4	131	161	50	15.0	2	5	4	33.4	15.8	3.59	1	3
24132	107266	-	2	1	5	2	2	1	5	1	4	130	162	45	12.0	2	5	4	35.5	14.6	3.82	2	3
24133	107267	-	2	1	3	2	2	1	3	1	4	130	160	50	14.0	2	5	4	35.7	13.3	4.00	1	3
24134	107268	-	3	1	3	2	2	1	9	1	2	123	159	55	21.0	2	5	4	34.4	11.9	3.94	1	3
24135	107269	-	3	1	3	2	2	1	1	1	2	129	158	40	16.0	2	5	4	33.7	10.6	4.06	1	3
24136	107270	-	3	1	3	2	2	1	3	1	4	124	157	55	17.0	2	5	4	35.1	11.4	3.64	1	3
24137	107271	-	3	1	3	2	2	1	1	1	2	124	159	50	19.0	2	5	4	32.6	10.9	4.13	1	3
24138	107272	-	3	1	3	2	2	1	1	1	2	124	158	50	21.0	2	5	4	35.3	10.3	4.20	1	3
24139	107273	-	3	1	3	2	2	2	3	1	4	122	151	50	15.0	2	5	4	31.8	10.4	4.21	1	3
24140	107274	-	3	1	3	2	2	1	3	1	4	123	155	45	18.0	2	5	4	36.6	10.5	4.16	1	3
24141	107275	-	3	1	3	2	2	1	3	1	4	123	154	50	14.0	2	5	4	35.7	10.1	4.16	2	3
24142	107276	-	3	1	3	2	2	1	3	1	4	124	151	50	20.0	2	5	4	40.0	10.3	4.20	1	3
24143	107277	-	3	1	3	2	2	2	3	1	4	119	151	60	17.0	2	5	4	37.7	11.7	4.02	2	3
24144	107278	-	3	1	5	2	2	2	1	1	2	121	151	50	22.0	2	5	4	35.3	13.3	3.90	1	3
24145	107279	-	3	1	3	2	2	1	1	1	-	122	155	55	21.0	2	5	4	34.3	9.3	4.32	2	3
24146	107280	-	3	1	3	2	2	2	3	1	4	130	159	50	18.0	2	5	4	36.0	10.3	4.20	2	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24147	107281	-	3	1	3	1	2	1	3	1	4	119	151	50	21.0	2	5	4	30.3	10.1	4.21	1	3
24148	107282	-	3	1	3	2	2	1	3	1	4	119	151	50	23.0	2	5	4	33.3	10.6	4.43	2	3
24149	107283	-	3	1	3	2	2	1	9	1	2	131	159	45	17.0	2	5	4	34.2	13.2	3.94	1	3
24150	107284	-	2	1	5	2	2	1	3	1	4	132	160	50	20.0	2	5	4	40.7	12.2	4.03	2	3
24151	107285	-	3	1	3	2	2	1	1	1	2	124	152	45	18.0	2	5	4	27.7	13.2	3.92	1	3
24152	107286	-	3	1	3	2	2	1	5	1	4	122	151	50	18.0	2	5	4	31.5	12.2	3.93	1	3
24153	107287	-	3	1	3	2	2	2	3	1	4	123	152	75	28.0	2	5	4	31.6	12.4	3.70	1	3
24154	107288	-	3	1	3	2	2	2	1	1	2	117	151	80	23.0	2	5	4	30.9	11.7	3.92	1	3
24155	107289	-	3	1	3	2	2	2	3	1	4	118	151	60	18.0	2	5	4	37.8	11.2	5.27	1	3
24156	107290	-	3	1	3	2	2	1	3	1	4	123	159	60	17.0	2	5	4	35.2	14.4	3.84	1	3
24157	107291	-	3	1	3	2	2	1	1	1	2	123	159	50	20.0	2	5	4	35.9	10.8	4.15	1	3
24158	107292	-	1	1	3	2	2	1	3	1	4	137	160	40	14.0	2	5	4	31.5	13.5	3.79	1	3
24159	107293	-	2	1	3	2	2	2	3	1	4	130	159	50	17.0	2	5	4	39.7	12.4	3.93	1	3
24160	107294	-	3	1	3	2	2	1	9	1	2	130	154	45	18.0	2	5	4	31.0	11.7	3.91	1	3
24161	107295	-	3	1	3	2	2	1	3	1	4	123	155	50	21.0	2	5	4	36.9	10.9	3.85	1	3
24162	107296	-	3	1	3	2	2	1	3	1	4	124	157	45	18.0	2	5	4	34.9	11.9	3.88	1	3
24163	107297	-	2	1	3	2	2	1	3	1	4	131	159	45	14.0	3	5	4	36.4	14.5	3.71	1	3
24164	107298	-	3	1	3	2	2	2	3	1	4	122	152	50	25.0	2	5	4	33.6	15.1	3.59	1	3
24165	107299	-	2	1	3	2	2	1	3	1	4	135	164	45	14.0	2	5	4	36.4	11.1	4.09	1	3
24166	107300	-	3	1	3	2	2	2	9	1	2	124	152	55	25.0	2	5	4	37.4	11.1	3.99	1	3
24167	107301	-	3	1	3	2	2	2	1	1	2	124	155	50	24.0	2	5	4	37.6	11.3	3.98	1	3
24168	107302	-	3	1	3	2	2	2	1	1	2	122	154	60	21.0	2	5	4	40.8	12.2	3.85	1	3
24169	107303	-	3	1	3	2	2	2	1	1	2	122	159	50	21.0	2	5	4	38.6	12.4	3.76	1	3
24170	107304	-	3	1	3	2	2	1	1	1	2	125	158	45	17.0	2	5	4	31.9	12.3	3.80	1	3
24171	107305	-	3	1	3	2	2	1	1	1	2	122	155	50	17.0	2	5	4	35.4	11.3	4.01	1	3
24172	107306	-	2	1	3	2	2	1	3	1	4	130	159	40	20.0	2	5	4	29.7	12.0	4.10	1	3
24173	107307	-	3	1	3	2	2	1	3	1	4	124	157	45	17.0	2	5	4	29.8	12.1	3.95	1	3
24174	107308	-	3	1	3	2	2	1	1	1	2	121	158	60	26.0	2	5	4	36.3	11.9	3.91	1	3
24175	107309	-	3	1	3	2	2	2	1	1	2	122	152	50	17.0	2	5	4	33.5	11.5	3.92	1	3
24176	107310	-	3	1	3	2	2	2	1	1	2	130	155	60	24.0	2	5	4	40.1	11.6	3.95	1	3
24177	107311	-	3	1	3	2	2	2	1	1	2	120	151	50	18.0	2	5	4	36.3	12.2	3.83	1	3
24178	107312	-	3	1	3	2	2	2	1	1	2	115	151	70	21.0	2	5	4	37.3	11.7	3.78	1	3
24179	107313	-	3	1	3	2	2	2	1	1	2	118	157	80	26.0	2	5	4	35.7	11.6	3.91	2	3
24180	107314	-	3	1	3	2	2	2	1	1	2	120	159	80	26.0	2	5	4	36.4	12.3	3.89	1	3
24182	107315	-	2	1	5	2	2	2	3	1	2	134	167	70	29.0	3	5	4	32.8	12.2	4.01	1	3
24183	107316	-	3	1	3	2	2	1	3	1	2	125	155	50	20.0	2	5	4	35.2	10.8	4.04	1	3
24184	107317	-	3	1	3	2	2	1	1	1	2	121	151	55	20.0	2	5	4	35.0	9.2	4.29	1	3
24185	107318	-	3	1	3	2	2	2	1	1	2	120	152	50	20.0	2	5	4	37.5	10.2	3.89	1	3
24186	107319	-	3	1	3	2	2	1	1	1	2	134	158	50	15.0	2	5	4	35.5	10.5	4.47	1	3
24187	107320	-	3	1	3	2	2	1	5	1	4	125	158	50	20.0	2	5	4	31.8	10.3	4.18	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24188	107321	-	3	1	3	2	2	1	1	1	2	123	157	50	22.0	2	5	4	35.3	9.8	4.25	1	3
24189	107322	-	3	1	3	2	2	1	1	1	2	129	159	50	19.0	3	5	4	34.4	9.5	4.35	1	3
24190	107323	-	3	1	3	2	2	1	3	1	4	120	155	60	29.0	2	5	4	36.0	10.4	3.89	1	3
24191	107324	-	3	1	3	2	2	1	1	1	-	119	151	60	20.0	2	5	4	39.9	9.1	4.25	2	3
24192	107325	-	3	1	3	2	2	1	3	1	4	120	151	60	17.0	2	5	4	37.6	9.9	4.17	1	3
24193	107326	-	3	1	3	2	2	2	3	1	4	129	158	55	20.0	2	5	4	37.3	11.7	3.96	1	3
24194	107327	-	2	1	3	2	2	2	3	1	2	129	160	55	18.0	2	5	4	38.1	13.1	3.89	1	3
24195	107328	-	3	1	3	2	2	1	3	1	4	129	155	50	16.0	2	5	4	35.3	11.3	4.24	1	3
24196	107329	-	3	1	3	2	2	1	3	1	4	125	155	50	17.0	2	5	4	37.8	10.1	4.45	1	3
24197	107330	-	3	1	3	2	2	2	3	1	4	122	152	60	20.0	2	5	4	38.3	11.6	4.22	1	3
24198	107331	-	3	1	3	2	2	2	3	1	4	123	152	60	17.0	2	5	4	37.9	12.3	4.06	1	3
24199	107332	-	3	1	3	2	2	2	3	1	4	123	159	60	21.0	2	5	4	39.1	12.8	3.98	1	3
24200	107333	-	3	1	3	2	2	2	5	1	4	119	152	60	16.0	2	5	4	40.5	13.2	3.78	1	3
24201	107334	-	3	1	3	2	2	2	3	1	4	130	159	50	16.0	2	5	4	38.8	12.4	4.11	2	3
24202	107335	-	3	1	3	2	2	1	3	1	2	129	157	50	22.0	2	5	4	35.2	11.8	3.98	1	3
24203	107336	-	3	1	3	2	2	1	3	1	4	131	158	50	20.0	2	5	4	36.0	12.0	4.08	1	3
24204	107337	-	3	1	5	2	2	2	3	1	4	128	163	70	19.0	2	5	4	38.9	12.4	4.03	1	3
24205	107338	-	3	1	3	2	2	2	1	1	2	120	156	80	28.0	2	5	4	36.7	11.9	3.95	1	3
24206	107339	-	3	1	3	2	2	2	3	1	-	122	159	60	20.0	2	5	4	36.1	10.8	4.25	1	3
24207	107340	-	3	1	3	2	2	1	3	1	4	122	158	55	22.0	2	5	4	38.7	-	-	1	3
24208	107341	-	3	1	3	2	2	2	3	1	2	122	159	60	20.0	2	5	4	36.7	-	-	1	3
24209	107342	-	3	1	3	2	2	2	1	1	-	123	158	55	18.0	2	5	4	35.1	12.6	4.12	1	3
24210	107343	-	3	1	3	2	2	2	1	1	2	118	151	60	19.0	2	5	4	33.3	12.3	3.83	1	3
24211	107344	-	3	1	3	2	2	2	1	1	2	120	151	60	20.0	2	5	4	32.7	12.4	4.00	1	3
24212	107345	-	3	1	3	2	2	2	3	1	4	129	158	45	20.0	2	5	4	37.4	11.9	4.20	1	3
24213	107346	-	3	1	3	2	2	2	3	1	-	129	158	50	17.0	2	5	4	35.4	12.0	4.16	1	3
24214	107347	-	3	1	3	2	2	2	3	1	4	130	157	40	16.0	2	5	4	34.7	11.6	4.31	1	3
24215	107348	-	3	1	3	-	2	2	3	1	4	129	157	45	20.0	2	5	4	32.4	13.5	3.76	1	3
24216	107349	-	3	1	3	2	2	2	3	1	4	122	157	45	17.0	2	5	4	28.5	13.2	3.76	1	3
24217	107350	-	3	1	1	2	2	2	1	1	2	123	155	55	22.0	2	5	4	32.0	11.2	4.19	1	3
24218	107351	-	3	1	5	2	2	2	3	1	4	122	153	55	20.0	2	5	4	36.2	11.2	4.28	1	3
24219	107352	-	3	1	3	2	2	1	3	1	4	118	151	60	22.0	2	5	4	34.8	13.2	4.01	1	3
24220	107353	-	3	1	3	2	2	2	3	1	4	122	151	55	19.0	2	5	4	33.1	12.0	4.08	1	3
24221	107354	-	3	1	5	2	2	1	1	1	-	121	157	60	20.0	2	5	4	32.9	-	-	1	3
24222	107355	-	2	1	5	2	2	1	5	1	2	131	163	40	14.0	2	5	4	31.2	10.6	4.43	1	3
24223	107356	-	3	1	5	2	2	1	3	1	4	131	162	45	19.0	2	5	4	34.4	10.6	4.43	1	3
24224	107357	-	3	1	5	2	2	2	3	1	4	125	159	45	18.0	2	5	4	31.7	13.6	4.04	1	3
24225	107358	-	3	1	3	2	2	2	3	1	4	125	152	50	17.0	2	5	4	32.3	11.5	3.96	2	3
24226	107359	-	3	1	5	2	2	2	3	1	4	117	151	55	22.0	2	5	4	37.3	13.6	3.89	1	3
24227	107360	-	3	1	5	2	2	2	3	1	-	122	152	55	20.0	2	5	4	38.0	12.7	4.01	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24228	107361	-	3	1	5	2	2	1	3	1	4	124	158	40	20.0	2	5	4	29.8	11.0	4.36	1	3
24229	107362	-	3	1	5	2	2	2	3	1	4	123	152	50	14.0	2	5	4	31.9	12.0	4.25	1	3
24230	107363	-	3	1	5	2	2	1	3	1	4	121	158	75	22.0	2	5	4	38.0	11.1	4.32	1	3
24231	107364	-	3	1	5	2	2	1	3	1	-	123	158	60	21.0	2	5	4	34.0	13.4	3.88	1	3
24231	107365	-	3	1	5	2	2	1	1	1	2	124	157	40	18.0	2	5	4	28.2	10.6	4.24	2	3
24232	107366	-	3	1	5	2	2	1	3	1	-	129	159	50	20.0	2	5	4	33.2	12.1	4.05	1	3
24233	107367	-	3	1	5	2	2	2	3	1	-	122	159	50	26.0	2	5	4	30.0	12.0	4.00	1	3
24234	107368	-	3	1	5	2	2	2	1	1	2	123	158	55	22.0	2	5	4	37.9	12.0	3.89	1	3
24235	107369	-	3	1	3	2	2	2	1	1	2	117	151	65	22.0	2	5	4	37.1	10.2	4.14	1	3
24236	107370	-	3	1	5	2	2	1	3	1	4	124	158	60	17.0	2	5	4	33.4	12.1	4.04	1	3
24237	107371	-	3	1	3	2	2	2	1	1	2	123	158	60	17.0	2	5	4	29.7	10.8	4.35	1	3
24238	107372	-	3	1	5	2	2	1	1	1	2	124	158	50	19.0	2	5	4	34.4	9.7	4.37	1	3
24239	107373	-	3	1	5	2	2	2	3	1	4	123	151	50	22.0	2	5	4	37.2	10.2	4.19	1	3
24240	107374	-	3	1	3	2	2	1	3	1	2	122	151	55	19.0	2	5	4	32.4	11.8	4.15	1	3
24241	107375	-	3	1	5	2	2	1	3	1	-	122	152	50	17.0	2	5	4	35.1	13.3	3.53	1	3
24242	107376	-	3	1	5	2	2	1	1	1	-	123	155	50	22.0	2	5	4	32.5	10.2	4.14	1	3
24243	107377	-	3	1	5	2	2	2	1	1	2	129	158	50	22.0	2	5	4	33.1	10.9	4.17	1	3
24244	107378	-	3	1	3	2	2	1	1	1	2	124	155	45	16.0	2	5	4	35.2	11.3	4.07	1	3
24245	107379	-	3	1	3	2	2	1	3	1	-	125	152	50	17.0	2	5	4	35.9	10.1	4.45	1	3
24246	107380	-	3	1	3	2	2	1	3	1	4	122	152	50	18.0	2	5	4	39.6	10.3	4.46	1	3
24247	107381	-	3	1	3	2	2	2	3	1	4	123	154	60	18.0	2	5	4	33.3	12.6	4.04	2	3
24248	107382	-	3	1	3	2	2	2	3	1	4	125	155	60	20.0	2	5	4	35.3	10.3	4.13	1	3
24249	107383	-	3	1	5	2	2	1	3	1	4	121	151	50	17.0	2	5	4	33.5	11.4	3.98	1	3
24250	107384	-	3	1	5	2	2	2	3	1	4	118	152	55	20.0	2	5	4	32.5	10.7	4.20	1	3
24251	107385	-	3	1	5	2	2	1	3	1	4	130	158	50	20.0	2	5	4	34.6	10.9	4.31	2	3
24252	107386	-	3	1	5	2	2	1	3	1	-	124	158	55	19.0	2	5	4	31.7	13.0	3.94	1	3
24253	107387	-	3	1	5	2	2	1	3	1	4	123	158	50	19.0	2	5	4	34.5	11.7	4.18	1	3
24254	107388	-	3	1	5	2	2	1	3	1	4	122	159	55	17.0	2	5	4	31.4	12.7	3.85	1	3
24255	107389	-	3	1	5	2	2	1	3	1	2	124	157	55	18.0	2	5	4	35.5	11.6	4.04	1	3
24256	107390	-	3	1	5	2	2	1	3	1	4	123	155	50	20.0	2	5	4	32.6	10.9	3.99	2	3
24257	107391	-	3	1	5	2	2	1	3	1	2	127	159	50	15.0	2	5	4	33.2	11.8	3.97	1	3
24258	107392	-	3	1	3	2	2	1	3	1	2	127	158	50	20.0	2	5	4	34.5	13.0	3.82	1	3
24259	107393	-	3	1	5	2	2	1	3	1	2	129	159	45	20.0	2	5	4	33.3	12.2	4.09	1	3
24260	107394	-	3	1	5	2	2	2	3	1	2	132	159	40	18.0	2	5	4	34.0	12.7	4.01	1	3
24261	107395	-	3	1	5	2	2	1	3	1	4	124	157	50	20.0	2	5	4	30.3	13.4	3.79	1	3
24262	107396	-	2	1	5	2	2	1	3	1	4	130	156	40	17.0	2	5	4	31.9	10.6	4.17	1	3
24263	107397	-	3	1	1	2	2	1	3	1	2	124	159	50	20.0	2	5	4	33.7	11.9	3.87	1	3
24264	107398	-	3	1	1	2	2	1	1	1	2	125	156	40	18.0	2	5	4	30.8	11.1	4.23	1	3
24265	107399	-	3	1	5	2	2	1	1	1	2	124	158	40	20.0	2	5	4	33.0	11.5	4.17	1	3
24266	107400	-	3	1	5	2	2	2	3	1	2	117	151	50	25.0	2	5	4	35.2	12.1	3.84	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DRE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24267	107401	-	3	1	5	2	2	2	9	1	2	124	157	45	21.0	2	5	4	31.6	11.5	4.17	1	3
24268	107402	-	3	1	5	2	2	1	1	1	-	123	152	45	15.0	2	5	4	30.0	11.6	4.13	1	3
24269	107403	-	3	1	5	2	2	2	3	1	4	130	159	45	24.0	2	5	4	36.7	12.9	3.91	1	3
24270	107404	-	3	1	5	2	2	2	3	1	4	125	158	45	22.0	2	5	4	35.2	12.3	3.94	1	3
24271	107405	-	3	1	5	2	2	1	3	1	-	122	159	50	22.0	2	5	4	34.3	11.4	4.10	1	3
24272	107406	-	3	1	5	2	2	1	3	1	4	128	158	40	17.0	2	5	4	33.7	10.7	4.20	1	3
24273	107407	-	3	1	3	2	2	2	3	1	4	124	152	50	23.0	2	5	4	34.7	11.2	4.05	1	3
24274	107408	-	3	1	5	2	2	2	1	1	2	121	152	50	17.0	2	5	4	36.6	12.3	3.93	1	3
24275	107409	-	2	1	3	2	2	1	3	1	4	131	158	40	14.0	2	5	4	34.9	10.4	4.42	1	3
24276	107410	-	2	1	5	2	2	2	3	1	4	132	158	45	15.0	2	5	4	36.5	12.2	4.02	1	3
24277	107411	-	3	1	5	2	2	1	3	1	4	132	158	40	16.0	2	5	4	35.7	12.1	4.04	1	3
24278	107412	-	3	1	5	2	2	1	3	1	4	124	158	40	19.0	2	5	4	34.3	12.3	3.85	1	3
24279	107413	-	3	1	5	2	2	1	3	1	4	129	159	40	20.0	2	5	4	33.6	14.1	3.79	1	3
24280	107414	-	3	1	3	2	2	2	3	1	2	124	159	50	22.0	2	5	4	35.3	11.9	4.01	1	3
24281	107415	-	3	1	5	2	2	2	3	1	4	122	151	50	17.0	2	5	4	33.3	10.7	4.23	1	3
24282	107416	-	3	1	5	2	2	2	3	1	4	123	151	50	19.0	2	5	4	34.1	11.3	4.03	1	3
24283	107417	-	3	1	3	2	2	2	3	1	4	120	151	50	20.0	2	5	4	33.1	11.2	4.02	1	3
24284	107418	-	3	1	3	2	2	2	3	1	4	121	151	50	20.0	2	5	4	34.3	11.7	3.98	1	3
24285	107419	-	3	1	5	2	2	2	3	1	4	123	152	55	20.0	2	5	4	28.9	11.8	4.15	1	3
24286	107420	-	3	1	5	2	2	2	3	1	4	123	152	50	22.0	2	5	4	34.0	10.7	4.09	1	3
24287	107421	-	3	1	3	2	2	2	3	1	4	120	151	60	20.0	2	5	4	33.6	10.0	4.26	1	3
24288	107422	-	3	1	3	2	2	2	3	1	4	124	155	55	24.0	2	5	4	30.5	10.4	4.13	2	3
24289	107423	-	3	1	3	2	2	2	3	1	4	128	155	60	19.0	2	5	4	29.6	11.2	3.98	1	3
24290	107424	-	2	1	5	2	2	2	3	1	4	128	155	45	18.0	2	5	4	32.7	9.7	4.34	1	3
24291	107425	-	3	1	5	2	2	2	3	1	4	120	151	50	22.0	2	5	4	37.2	13.0	4.07	1	3
24292	107426	-	3	1	5	2	2	2	3	1	4	122	151	50	22.0	2	5	4	31.0	11.1	4.08	1	3
24293	107427	-	3	1	5	2	2	2	3	1	4	124	155	50	17.0	2	5	4	36.3	12.7	4.09	1	3
24294	107428	-	3	1	5	2	2	2	3	1	4	122	151	50	22.0	2	5	4	36.1	11.2	4.03	1	3
24295	107429	-	3	1	5	2	2	2	3	1	4	122	151	55	17.0	2	5	4	34.2	13.6	3.89	1	3
24296	107430	-	3	1	5	2	2	2	3	1	4	123	152	50	19.0	2	5	4	32.0	12.8	4.06	1	3
24297	107431	-	2	2	5	2	2	2	3	1	4	131	159	50	24.0	2	5	4	41.1	12.1	4.02	1	3
24298	107432	-	3	1	3	2	2	1	3	1	4	124	152	50	15.0	2	5	4	32.8	11.0	4.12	1	3
24299	107433	-	3	1	5	2	2	1	3	1	4	123	155	50	20.0	2	5	4	33.9	10.8	4.25	1	3
24300	107434	-	3	2	5	2	2	2	3	1	4	122	151	50	17.0	2	5	4	31.4	12.5	4.00	1	3
24301	107435	-	3	1	5	2	2	2	3	1	4	123	152	55	15.0	2	5	4	35.6	10.6	4.06	2	3
24302	107436	-	3	1	5	2	2	2	3	1	4	124	152	55	17.0	2	5	4	34.6	12.3	4.06	1	3
24303	107437	-	3	1	3	2	2	2	3	1	4	122	152	55	14.0	2	5	4	35.3	11.9	3.94	2	3
24304	107438	-	3	1	5	2	2	2	3	1	4	123	152	55	21.0	2	5	4	33.9	13.1	3.81	1	3
24305	107439	-	3	1	3	2	2	2	3	1	4	122	152	50	19.0	2	5	4	35.4	12.2	3.97	1	3
24306	107440	-	3	1	5	2	2	2	1	1	2	118	151	70	23.0	2	5	4	36.7	12.0	3.91	1	3

IG		GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24307	107441	-	3	2	5	2	2	2	3	1	4	122	155	45	27.0	2	5	4	35.9	10.5	4.14	2	3
24308	107442	-	3	1	3	2	2	2	3	1	4	130	158	45	19.0	2	5	4	37.8	13.2	3.85	2	3
24309	107443	-	3	1	5	2	2	2	3	1	4	130	157	45	17.0	2	5	4	38.6	12.4	4.02	1	3
24310	107444	-	3	1	5	2	2	2	3	1	4	125	158	50	22.0	2	5	4	36.7	12.3	3.87	1	3
24311	107445	-	3	1	5	2	2	1	3	1	4	128	158	50	15.0	2	5	4	33.0	13.9	3.72	1	3
24312	107446	-	3	1	3	2	2	1	3	1	4	128	156	45	20.0	2	5	4	31.5	-	-	1	3
24313	107447	-	2	1	3	2	2	1	1	1	2	131	158	50	16.0	2	5	4	35.3	13.3	3.84	1	3
24314	107448	-	3	1	5	2	2	1	9	1	2	130	159	45	15.0	2	5	4	37.5	12.6	3.97	1	3
24315	107449	-	3	1	3	2	2	2	3	1	4	121	151	50	21.0	2	5	4	34.6	10.8	4.14	2	3
24316	107450	-	3	1	5	2	2	1	3	1	4	128	158	42	19.0	2	5	4	34.5	12.5	3.94	2	3
24317	107451	-	3	1	5	2	2	1	3	1	4	122	155	50	20.0	2	5	4	35.6	10.9	4.40	1	3
24318	107452	-	3	1	5	2	2	2	3	1	4	131	158	50	15.0	2	5	4	36.2	13.0	3.83	1	3
24319	107453	-	3	1	5	2	2	2	3	1	4	122	152	55	17.0	2	5	4	36.1	12.0	3.89	1	3
24320	107454	-	3	1	5	1	2	2	1	1	2	120	152	70	26.0	2	5	4	35.0	12.3	3.87	1	3
24321	107455	-	3	1	3	1	2	2	1	1	2	119	151	70	22.0	2	5	4	37.1	11.4	3.94	2	3
24322	107456	-	3	1	5	-	2	1	1	1	2	119	152	70	24.0	2	5	4	30.0	11.6	3.95	1	3
24323	107457	-	3	1	5	2	2	1	1	1	2	116	152	60	29.0	2	5	4	31.7	12.4	3.90	1	3
24324	107458	-	3	1	5	2	2	1	1	1	2	116	151	60	25.0	2	5	4	31.8	12.5	3.90	1	3
24325	107459	-	3	1	5	2	2	2	1	1	2	115	151	65	20.0	2	5	4	30.2	11.7	3.88	1	3
24326	107460	-	3	1	5	-	2	1	1	1	2	117	151	65	23.0	2	5	4	28.7	12.0	3.80	1	3
24327	107461	-	3	1	5	-	2	1	1	1	2	117	151	70	21.0	2	5	4	31.2	12.1	3.98	1	3
24328	107462	-	3	1	5	2	2	2	3	1	4	121	158	55	18.0	2	5	4	33.6	11.2	4.28	1	3
24329	107463	-	3	1	5	2	2	2	3	1	4	117	156	60	25.0	2	5	4	26.5	12.9	3.80	1	3
24330	107464	-	3	1	5	2	2	2	3	1	4	117	155	65	26.0	2	5	4	25.4	12.5	3.82	2	3
24331	107465	-	3	1	5	1	2	2	3	1	4	117	156	70	24.0	2	5	4	27.6	12.4	3.90	1	3
24332	107466	-	3	1	5	2	2	2	1	1	2	118	155	55	24.0	2	5	4	26.1	12.3	3.85	1	3
24333	107467	-	3	1	5	2	2	2	3	1	-	117	155	50	25.0	2	5	4	28.3	11.9	3.88	1	3
24334	107468	-	3	1	5	1	2	2	1	1	2	117	153	60	20.0	2	5	4	30.1	12.0	3.86	1	3
24335	107469	-	3	1	5	2	2	2	3	1	1	116	151	50	17.0	2	5	4	28.0	11.1	4.18	2	3
24336	107470	-	3	1	5	2	2	1	3	1	4	118	152	55	23.0	2	5	4	31.6	11.8	3.98	1	3
24337	107471	-	2	2	5	2	2	2	3	1	4	131	159	45	25.0	2	5	4	45.3	12.4	3.89	1	3
24338	107472	-	3	1	5	2	2	1	3	1	4	123	158	60	20.0	2	5	4	36.0	10.9	4.18	1	3
24339	107473	-	3	1	5	2	2	1	3	1	4	130	160	70	27.0	2	5	4	35.9	11.9	4.11	1	3
24340	107474	-	3	1	5	2	2	2	3	1	-	130	158	40	20.0	2	5	4	27.7	11.0	4.05	2	3
24341	107475	-	3	1	5	2	2	1	3	1	4	131	158	40	20.0	2	5	4	38.4	9.1	4.53	1	3
24342	107476	-	3	1	5	2	2	1	3	1	-	131	159	50	22.0	2	5	4	40.9	10.2	4.32	1	3
24343	107477	-	3	1	5	2	2	1	3	1	2	132	159	45	13.0	2	5	4	32.7	11.8	4.13	1	3
24344	107478	-	3	1	5	2	2	1	3	1	2	121	159	50	25.0	2	5	4	33.8	12.3	4.02	1	3
24345	107479	-	3	1	3	2	2	2	3	1	4	122	152	50	20.0	2	5	4	33.9	10.7	4.19	1	3
24346	107480	-	3	1	3	2	2	2	3	1	4	123	154	50	19.0	2	5	4	39.2	-	-	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24347	107481	-	3	1	5	2	2	2	3	1	4	125	155	45	17.0	2	5	4	34.8	12.1	3.97	1	3
24348	107482	-	3	1	3	2	2	2	3	1	4	119	151	55	16.0	2	5	4	32.8	12.1	3.91	2	3
24349	107483	-	3	1	5	2	2	1	3	1	4	121	155	45	17.0	2	5	4	33.3	12.2	3.96	1	3
24350	107484	-	3	1	5	2	2	1	3	1	4	129	156	45	17.0	2	5	4	34.1	10.9	4.31	1	3
24351	107485	-	2	1	5	2	2	1	3	1	4	137	157	40	13.0	2	5	4	34.7	14.8	3.66	1	3
24352	107486	-	3	1	5	2	2	1	3	1	4	131	156	50	17.0	2	5	4	35.0	12.9	3.85	1	3
24353	107487	-	3	1	5	2	2	2	3	1	2	118	152	65	22.0	2	5	4	31.5	13.4	3.74	1	3
24354	107488	-	3	1	5	2	2	1	3	1	2	127	158	50	21.0	2	5	4	34.0	13.6	3.73	1	3
24355	107489	-	3	1	5	2	2	2	3	1	4	123	152	55	19.0	2	5	4	36.4	13.8	3.77	1	3
24356	107490	-	3	1	3	2	2	1	3	1	4	124	155	45	20.0	3	5	4	34.0	12.6	3.91	1	3
24357	107491	-	3	1	5	2	2	2	3	1	2	121	152	55	19.0	3	5	4	30.7	12.1	4.01	1	3
24358	107492	-	3	1	5	2	2	1	1	1	2	123	158	45	20.0	3	5	4	32.2	12.4	3.96	1	3
24359	107493	-	3	1	3	2	2	2	1	1	2	124	157	40	17.0	2	5	4	32.5	12.8	3.88	1	3
24360	107494	-	3	1	5	2	2	1	3	1	2	129	159	50	13.0	2	5	4	31.2	14.8	3.72	1	3
24361	107495	-	3	1	3	2	2	1	1	1	2	117	152	45	16.0	2	5	4	31.5	13.0	4.07	1	3
24362	107496	-	2	1	5	2	2	2	3	1	4	132	159	45	14.0	2	5	4	35.1	12.5	3.96	1	3
24363	107497	-	3	1	5	2	2	1	3	1	2	130	159	40	18.0	2	5	4	35.0	12.0	3.91	1	3
24364	107498	-	3	1	5	2	2	2	3	1	2	131	157	40	14.0	2	5	4	37.1	13.1	4.04	1	3
24365	107499	-	3	1	5	2	2	1	3	1	2	131	158	65	14.0	2	5	4	38.0	13.3	3.98	1	3
24366	107500	-	3	1	5	2	2	2	3	1	4	121	151	56	19.0	2	5	4	33.2	13.2	3.79	1	3
24367	107501	-	3	1	5	2	2	1	3	1	2	123	158	45	18.0	2	5	4	31.2	-	-	1	3
24368	107502	-	3	1	3	2	2	1	3	1	-	130	157	50	16.0	2	4	4	31.6	14.3	3.81	1	3
24369	107503	-	3	1	5	1	2	2	1	1	2	117	151	70	20.0	2	5	4	36.6	13.4	3.60	1	3
24370	107504	-	2	1	5	2	2	2	3	1	4	129	159	40	14.0	2	5	4	31.9	13.6	3.87	1	3
24371	107505	-	3	1	5	2	2	2	3	1	4	120	151	50	15.0	2	5	4	32.2	-	-	1	3
24372	107506	-	3	1	5	2	2	2	3	1	4	127	158	50	22.0	2	5	4	37.8	12.0	4.25	1	3
24373	107507	-	3	1	3	2	2	2	3	1	4	125	155	50	16.0	2	5	4	38.3	-	-	1	3
24374	107508	-	3	1	3	2	2	2	3	1	4	125	155	55	21.0	2	5	4	38.4	-	-	1	3
24375	107509	-	3	1	3	2	2	1	3	1	4	123	155	50	19.0	2	5	4	31.8	11.7	4.07	1	3
24376	107510	-	3	1	3	2	2	1	3	1	4	117	151	50	19.0	2	5	4	35.5	10.7	4.05	1	3
24377	107511	-	3	1	3	2	2	-	-	1	4	117	151	50	23.0	3	5	4	32.0	10.5	4.06	1	3
24378	107512	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24379	107513	-	3	1	5	-	2	2	3	1	2	124	158	60	23.0	2	5	4	34.0	14.4	3.74	1	5
24380	107514	-	3	1	-	-	1	-	-	1	-	124	156	60	20.0	2	5	2	28.3	14.5	3.53	2	3
24381	107515	-	3	1	5	2	2	2	3	1	2	124	157	70	28.0	2	5	4	29.0	13.1	3.74	1	5
24382	107516	-	3	1	3	2	2	2	3	1	2	119	151	55	24.0	3	5	4	27.2	-	-	1	5
24383	107517	-	3	1	5	2	2	2	3	1	4	118	151	50	24.0	3	5	4	26.6	12.9	3.79	1	5
24384	107518	-	3	1	3	2	2	2	3	1	4	116	151	60	26.0	3	5	4	30.6	10.7	4.19	1	3
24385	107519	-	3	1	5	2	2	2	3	1	4	116	151	50	20.0	2	5	4	30.8	10.9	4.31	1	5
24386	107520	-	3	1	5	2	2	2	3	1	4	118	151	50	22.0	3	5	4	34.0	11.5	4.00	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24387	107521	-	3	1	5	2	2	2	3	1	4	118	151	55	27.0	2	5	4	29.0	11.5	3.83	2	3
24388	107522	-	3	1	5	2	2	2	3	1	4	118	151	55	26.0	2	5	4	31.3	10.5	4.38	1	3
24389	107523	-	3	1	5	2	2	2	3	1	4	118	151	55	24.0	2	5	4	34.7	11.3	4.24	1	3
24390	107524	-	3	1	5	2	2	2	3	1	4	121	155	60	24.0	2	5	4	34.2	10.9	4.31	1	5
24391	107525	-	3	1	5	2	2	2	3	1	4	116	151	60	24.0	3	5	4	33.7	10.7	4.39	1	3
24392	107526	-	3	1	3	2	2	2	3	1	2	114	151	70	25.0	2	5	4	31.6	11.3	3.85	2	3
24393	107527	-	3	1	1	2	2	2	3	1	4	117	151	60	30.0	-	5	4	32.1	12.3	4.06	1	3
24394	107528	-	3	1	3	2	2	2	3	1	4	117	151	60	17.0	3	5	4	32.2	10.7	4.04	2	3
24395	107529	-	3	1	3	2	2	2	3	1	4	122	151	60	27.0	2	5	4	31.3	10.8	4.12	1	3
24396	107530	-	3	1	3	2	2	2	3	1	2	123	156	50	22.0	2	5	4	34.1	12.1	4.21	1	3
24397	107531	-	3	2	5	2	2	2	3	1	4	135	158	45	24.0	2	5	4	37.0	11.5	3.95	1	3
24398	107532	-	3	2	5	-	2	2	3	1	4	134	158	50	23.0	2	5	4	45.7	12.5	3.68	1	3
24399	107533	-	2	2	5	2	2	2	3	1	4	135	158	50	24.0	2	5	4	38.2	12.4	4.03	1	3
24400	107534	-	3	2	5	2	2	2	3	1	4	136	158	40	17.0	2	5	4	36.9	15.1	3.71	1	3
24404	107535	-	1	1	3	2	2	2	9	1	2	137	170	50	17.0	2	5	4	26.0	14.4	3.78	1	3
24402	107536	-	1	1	3	2	2	1	9	1	2	138	169	50	14.0	2	5	4	30.7	10.5	4.28	1	3
24403	107537	-	1	1	3	2	2	1	9	1	2	137	169	60	19.0	2	5	4	36.7	9.8	4.48	2	3
24404	107538	-	1	1	3	2	2	1	9	1	2	138	170	50	19.0	2	5	4	32.4	10.4	4.32	1	3
24405	107539	-	1	1	3	2	2	1	9	1	2	138	170	50	19.0	2	5	4	32.8	10.9	4.31	1	3
24406	107540	-	1	1	3	2	2	1	9	1	2	137	170	45	17.0	2	5	4	36.3	10.6	4.43	1	3
24407	107541	-	3	2	3	2	2	2	3	1	4	134	158	60	22.0	2	5	4	37.7	12.0	4.16	1	3
24408	107542	-	2	1	5	2	2	2	9	1	2	136	166	-	24.0	2	5	4	41.2	10.3	4.27	1	3
24409	107543	-	1	1	5	2	2	1	-	1	2	156	175	50	-	2	5	4	29.4	11.3	4.24	1	3
24410	107544	-	1	1	5	2	2	1	3	1	2	137	166	50	16.0	2	5	4	36.0	10.7	4.29	1	3
24411	107545	-	1	1	5	2	2	1	9	1	2	143	170	50	17.0	2	5	4	30.4	11.3	4.24	1	3
24412	107546	-	1	1	5	2	2	1	3	1	2	137	169	45	13.0	2	5	4	31.9	10.5	4.38	1	3
24413	107547	-	1	1	3	2	2	1	9	1	2	138	168	50	14.0	2	5	4	34.2	11.0	4.18	1	3
24414	107548	-	1	1	5	2	2	1	9	1	2	135	168	50	15.0	2	5	4	36.0	10.5	4.28	1	3
24415	107549	-	1	1	5	2	2	1	9	1	2	136	166	35	16.0	2	5	4	32.5	11.9	4.11	1	3
24416	107550	-	1	1	5	2	2	1	9	1	2	136	168	70	15.0	2	5	4	34.5	11.0	4.27	1	3
24417	107551	-	1	1	5	2	2	1	9	1	2	135	166	50	17.0	2	5	4	38.3	10.5	4.38	1	3
24418	107552	-	1	1	5	2	2	1	9	1	2	137	166	55	15.0	2	5	4	39.3	10.9	4.31	1	3
24419	107553	-	1	1	5	2	2	1	9	1	2	137	167	55	17.0	2	5	4	37.1	10.7	4.20	1	3
24420	107554	-	1	1	5	2	2	1	9	1	2	138	166	60	17.0	2	5	4	38.8	10.9	4.31	1	3
24421	107555	-	1	1	5	2	2	1	9	1	2	136	166	55	18.0	2	5	4	37.3	9.3	4.62	1	3
24422	107556	-	1	1	5	2	2	1	9	1	2	138	166	55	17.0	2	5	4	39.1	11.1	4.14	1	3
24423	107557	-	1	1	3	2	2	1	9	1	2	137	166	60	15.0	2	5	4	35.2	10.5	4.19	1	3
24424	107558	-	1	1	3	2	2	1	9	1	2	136	166	50	15.0	2	5	4	37.1	10.1	4.45	2	3
24425	107559	-	1	1	3	2	2	1	9	1	2	138	166	50	11.0	2	5	4	37.5	10.0	4.40	2	3
24426	107560	-	1	1	5	2	2	1	9	1	2	137	166	50	11.0	2	5	4	38.9	10.5	4.38	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24427	107561	-	1	1	5	2	2	1	9	1	2	138	166	50	16.0	2	5	4	28.6	10.3	4.27	1	3
24428	107562	-	1	1	5	2	2	1	3	1	2	139	168	60	21.0	2	5	4	31.2	10.7	4.20	1	3
24429	107563	-	1	1	5	2	2	1	3	1	-	137	168	70	22.0	2	5	4	35.7	11.0	4.18	1	3
24430	107564	-	1	1	5	2	2	1	3	1	4	138	168	65	18.0	2	5	4	31.8	10.5	4.19	1	3
24431	107565	-	1	1	5	2	2	1	3	1	2	138	169	60	16.0	2	5	4	31.9	11.7	4.10	1	3
24432	107566	-	1	1	5	2	2	1	3	1	4	138	168	50	16.0	2	5	4	30.5	11.2	4.19	1	3
24433	107567	-	2	1	5	2	2	1	3	1	2	136	168	60	15.0	2	5	4	37.1	9.6	4.47	1	3
24434	107568	-	1	1	5	2	2	1	3	1	2	131	168	40	20.0	2	5	4	23.4	10.3	4.27	1	3
24435	107569	-	1	1	5	2	2	1	3	1	2	143	169	60	15.0	2	5	4	31.3	10.2	4.31	2	3
24436	107570	-	1	1	5	2	2	1	3	1	2	142	169	60	15.0	2	5	4	30.7	9.9	4.44	2	3
24437	107571	-	1	1	5	2	2	1	9	1	2	143	170	80	16.0	2	5	4	30.6	10.1	4.35	1	3
24438	107572	-	1	1	3	2	2	2	3	1	2	134	170	60	20.0	2	5	4	26.5	10.2	4.41	1	3
24439	107573	-	1	1	3	2	2	1	3	1	2	137	166	65	20.0	2	5	4	39.6	9.4	4.57	1	3
24440	107574	-	1	1	3	2	2	1	3	1	2	138	167	65	21.0	2	5	4	36.3	10.0	4.50	2	3
24441	107575	-	1	1	5	2	2	1	3	1	2	138	170	70	20.0	2	5	4	35.7	10.1	4.45	1	3
24442	107576	-	1	1	5	2	2	2	3	1	2	132	168	70	24.0	2	5	4	25.0	9.6	4.47	1	3
24443	107577	-	1	1	5	2	2	2	3	1	2	133	169	65	25.0	2	5	4	31.3	9.4	4.57	1	3
24444	107578	-	2	1	5	2	2	2	3	1	2	137	168	80	24.0	2	5	4	36.8	11.7	4.18	1	3
24445	107579	-	1	1	5	2	2	2	3	1	1	136	170	70	25.0	2	5	4	24.9	-	-	1	3
24446	107580	-	2	1	5	2	2	2	3	1	2	137	169	50	19.0	2	5	4	38.8	9.7	4.32	1	3
24447	107581	-	2	1	5	2	2	2	3	1	2	133	169	70	17.0	2	5	4	26.1	10.6	4.24	2	3
24448	107582	-	1	1	5	2	2	1	3	1	2	137	170	70	17.0	2	5	4	37.9	11.0	4.18	1	3
24449	107583	-	1	1	5	2	2	2	3	1	2	136	171	60	23.0	2	5	4	29.2	9.7	4.53	1	3
24450	107584	-	1	1	3	2	2	1	3	1	4	144	171	60	19.0	2	5	4	32.0	10.1	4.35	2	3
24451	107585	-	1	1	3	2	2	1	5	1	2	138	170	70	22.0	2	5	4	32.0	10.4	4.23	1	3
24452	107586	-	1	1	5	2	2	1	3	1	2	144	175	70	21.0	2	5	4	35.2	11.5	4.00	1	3
24453	107587	-	1	1	5	2	2	1	5	1	2	138	171	70	20.0	2	5	4	30.6	10.5	4.28	1	3
24454	107588	-	1	1	5	2	2	1	-	1	2	144	174	80	22.0	2	5	4	27.4	10.6	4.15	1	3
24455	107589	-	1	1	5	2	2	1	-	1	2	146	174	70	20.0	2	5	4	29.0	10.3	4.17	1	3
24456	107590	-	1	1	5	2	2	1	-	1	2	146	174	60	22.0	2	5	4	24.1	10.2	4.01	1	3
24457	107591	-	1	1	5	2	2	2	3	1	2	136	171	50	23.0	2	5	4	37.3	10.1	4.25	2	3
24458	107592	-	2	1	5	2	2	1	3	1	2	137	170	55	19.0	2	5	4	36.9	10.0	4.50	1	3
24459	107593	-	2	1	5	2	-	1	3	-	-	137	168	65	17.0	2	5	4	-	9.4	4.57	1	3
24460	107594	-	1	1	5	2	2	1	5	1	4	138	169	70	20.0	2	5	4	30.8	9.3	4.40	1	3
24461	107595	-	2	1	5	2	2	1	3	1	4	138	169	70	19.0	2	5	4	31.9	9.1	4.50	1	3
24462	107596	-	2	1	5	2	2	1	3	1	4	138	170	70	25.0	2	5	4	34.3	9.5	4.31	1	3
24463	107597	-	1	1	5	2	2	1	3	1	4	142	170	80	20.0	2	5	4	31.7	12.5	3.66	1	3
24464	107598	-	1	1	5	2	2	1	-	1	4	156	173	75	26.0	3	5	4	26.9	13.3	3.82	1	3
24465	107599	-	1	1	5	2	2	1	-	1	2	138	171	80	20.0	2	5	4	30.8	9.8	4.48	1	3
24466	107600	-	1	1	5	2	2	1	-	1	4	153	173	70	20.0	3	5	4	27.3	14.1	3.76	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24467	107601	-	1	1	5	2	2	1	3	1	4	138	170	70	21.0	2	5	4	31.9	11.2	4.10	1	3
24468	107602	-	1	1	5	2	2	1	3	1	4	138	170	80	25.0	2	5	4	33.5	13.7	3.56	1	3
24469	107603	-	2	1	5	2	2	1	3	1	4	138	169	85	27.0	2	5	4	32.4	11.8	4.06	1	3
24470	107604	-	2	1	5	2	2	1	3	1	4	138	170	95	25.0	2	5	4	33.2	13.0	3.77	1	3
24471	107605	-	2	1	5	2	2	1	3	1	4	137	168	90	26.0	2	5	4	33.8	10.0	4.40	1	3
24472	107606	-	1	1	3	2	2	2	3	1	4	144	173	60	19.0	2	5	4	23.0	10.3	4.46	1	3
24473	107607	-	1	1	3	2	2	1	3	1	4	145	174	60	21.0	2	5	4	25.3	10.8	4.35	1	3
24474	107608	-	1	1	3	2	2	2	-	1	4	144	174	60	24.0	2	5	4	25.4	9.7	4.32	1	3
24475	107609	-	1	1	3	2	2	2	3	1	1	141	173	65	22.0	2	5	4	30.0	10.3	4.36	1	3
24476	107610	-	1	2	5	2	2	2	-	1	4	144	174	60	29.0	2	5	4	34.6	13.6	3.75	1	3
24477	107611	-	1	2	3	2	2	1	-	1	4	145	175	50	25.0	2	5	4	29.9	16.2	3.54	1	3
24478	107612	-	1	2	3	2	2	2	3	1	4	142	172	60	26.0	2	5	4	36.4	11.7	4.18	1	3
24479	107613	-	1	1	5	2	2	2	3	1	4	145	175	70	25.0	2	5	4	26.8	14.5	3.76	1	3
24480	107614	-	1	2	5	2	2	2	1	1	4	131	166	60	26.0	2	5	4	36.4	12.8	3.81	1	3
24481	107615	-	2	2	5	2	2	2	1	1	4	131	166	70	30.0	2	5	4	35.8	14.5	3.69	1	3
24482	107616	-	1	1	3	2	2	1	-	1	1	144	175	60	26.0	2	5	4	25.5	15.1	3.66	1	3
24483	107617	-	3	2	1	1	2	2	1	1	4	129	165	70	30.0	2	5	4	38.0	12.9	3.84	1	3
24484	107618	-	3	2	5	2	2	2	1	1	4	128	164	60	25.0	2	5	4	40.0	13.1	3.71	1	3
24485	107619	-	2	1	5	2	2	1	3	1	4	143	171	80	25.0	3	5	4	22.7	12.7	4.01	1	3
24486	107620	-	2	1	3	2	2	1	3	1	2	133	168	80	29.0	2	5	4	36.7	11.1	4.32	1	3
24487	107621	-	3	1	1	2	2	2	1	1	2	120	152	50	22.0	2	5	4	40.1	12.5	3.84	1	3
24488	107622	-	3	1	1	2	1	2	1	1	-	126	152	60	24.0	2	5	4	19.9	12.7	3.79	1	5
24489	107623	-	3	1	1	2	2	1	1	1	1	123	151	70	23.0	2	5	4	20.5	13.0	4.00	1	3
24490	107624	-	3	1	1	2	1	2	1	1	-	122	151	60	28.0	2	5	4	15.0	12.1	3.78	1	7
24491	107625	-	3	1	1	2	1	2	1	1	-	119	148	60	16.0	2	5	4	18.7	10.3	3.91	1	5
24492	107626	-	3	1	1	2	1	2	1	1	-	117	147	65	23.0	2	5	4	22.9	11.0	4.16	1	5
24493	107627	-	3	1	1	2	2	1	9	1	-	126	151	65	20.0	2	5	4	17.5	10.2	3.89	1	3
24494	107628	-	3	1	1	2	1	1	1	1	-	122	148	65	24.0	2	5	4	15.8	11.5	3.96	1	3
24495	107629	-	3	1	3	2	1	2	1	1	-	129	158	80	22.0	2	5	4	19.6	11.5	3.94	1	3
24496	107630	-	3	1	1	2	1	2	1	1	-	120	151	70	20.0	2	5	4	17.6	13.0	3.64	1	3
24497	107631	-	3	1	1	2	1	2	1	1	-	122	151	55	23.0	2	5	4	18.4	11.4	3.66	1	3
24498	107632	-	3	1	1	2	1	2	1	1	-	117	149	70	24.0	2	5	4	21.1	10.5	3.96	1	7
24499	107633	-	3	1	1	2	1	2	1	1	-	115	149	80	22.0	2	5	4	22.9	10.9	3.76	1	7
24500	107634	-	3	1	1	2	1	2	1	1	-	122	151	75	23.0	2	5	4	22.5	12.9	3.87	1	3
24501	107635	-	3	1	1	2	1	2	1	1	-	122	151	75	27.0	2	5	4	22.1	12.1	3.58	1	7
24502	107636	-	3	1	3	2	1	2	1	1	-	121	151	60	21.0	2	5	4	26.1	12.0	3.63	1	7
24503	107637	-	3	1	1	2	1	2	1	1	-	120	151	60	22.0	2	5	4	24.5	12.6	3.56	1	3
24504	107638	-	3	1	1	2	1	2	1	1	-	121	152	60	26.0	2	5	4	24.5	12.5	3.66	1	3
24505	107639	-	3	1	1	2	2	2	-	1	2	137	167	60	20.0	2	5	4	30.5	13.9	3.69	1	3
24506	107640	-	3	1	1	2	1	2	1	1	-	120	151	60	23.0	2	5	4	24.1	-	-	1	5

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24507	107641	-	3	1	1	2	1	2	1	1	-	122	151	60	24.0	2	5	4	26.0	12.4	3.60	1	3
24508	107642	-	3	1	1	2	1	2	1	1	-	121	151	60	23.0	2	5	4	23.7	12.4	3.58	1	3
24509	107643	-	3	1	1	2	1	2	1	1	-	118	151	55	27.0	2	5	4	23.6	12.4	3.72	1	7
24510	107644	-	3	1	1	2	-	2	1	-	-	117	151	60	27.0	2	5	4	-	-	-	1	3
24511	107645	-	3	1	1	2	1	2	1	1	-	117	151	65	26.0	2	5	4	22.3	12.2	3.80	1	3
24512	107646	-	3	1	1	2	1	2	3	1	-	116	151	60	29.0	2	5	4	23.1	12.1	3.78	1	5
24513	107647	-	3	1	1	2	2	2	3	1	-	135	167	50	22.0	2	5	4	30.2	15.1	3.77	1	3
24514	107648	-	3	1	1	2	1	-	1	1	-	125	157	70	24.0	2	5	4	27.3	13.0	3.55	1	3
24515	107649	-	3	1	1	2	2	2	1	1	-	135	159	50	23.0	2	5	4	31.1	13.1	3.71	1	3
24516	107650	-	3	1	1	2	1	2	1	1	-	122	151	50	22.0	2	5	4	22.8	11.8	4.06	2	5
24517	107651	-	3	1	1	2	1	2	1	1	-	117	151	60	23.0	2	5	4	27.3	12.2	4.01	1	7
24518	107652	-	3	1	1	2	1	2	1	1	-	118	151	50	26.0	2	5	4	27.9	13.3	3.78	1	3
24519	107653	-	3	1	1	2	1	2	1	1	-	117	151	60	22.0	2	5	4	25.5	13.0	3.66	1	3
24520	107654	-	3	1	1	2	1	2	1	1	-	121	151	50	21.0	2	5	4	27.1	12.2	4.01	1	3
24521	107655	-	3	1	1	2	1	2	1	1	-	122	151	50	24.0	2	5	4	30.5	12.1	3.67	1	3
24522	107656	-	3	1	1	2	1	2	1	1	-	122	151	60	20.0	2	5	4	28.6	11.5	3.85	1	3
24523	107657	-	3	1	1	2	1	2	1	1	-	118	150	55	24.0	2	5	4	26.6	11.3	3.71	2	5
24524	107658	-	3	1	1	2	1	2	1	1	-	122	154	50	21.0	2	5	4	31.2	12.1	3.68	1	3
24525	107659	-	3	1	1	2	1	2	1	1	-	124	154	50	21.0	2	5	4	29.3	13.0	3.45	1	3
24526	107660	-	3	1	1	2	1	2	1	1	-	119	149	60	24.0	2	5	4	26.8	13.4	3.88	2	3
24527	107661	-	3	1	1	2	1	-	1	1	-	121	151	60	24.0	2	5	4	27.4	12.7	3.64	1	3
24528	107662	-	3	1	1	2	1	2	1	1	-	124	154	50	17.0	2	5	4	27.9	13.0	3.58	1	3
24529	107663	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24530	107664	-	3	1	1	2	1	2	1	1	-	124	152	60	26.0	2	5	4	25.6	13.4	3.57	1	3
24531	107665	-	3	1	1	2	1	2	1	1	-	123	152	50	27.0	2	5	4	22.3	14.6	3.71	1	3
24532	107666	-	3	1	1	2	1	2	1	1	-	122	151	50	24.0	2	5	4	26.9	12.6	3.68	1	3
24533	107667	-	3	1	1	2	1	2	1	1	-	123	151	55	21.0	2	5	4	25.6	13.5	3.54	2	3
24534	107668	-	3	1	1	2	-	2	1	-	-	115	150	60	24.0	2	5	4	-	-	-	1	7
24535	107669	-	3	1	1	2	1	2	1	1	-	119	150	60	20.0	2	5	4	23.3	11.3	3.79	1	7
24536	107670	-	3	1	1	2	1	2	1	1	-	124	151	60	19.0	2	5	4	18.2	11.7	3.56	1	3
24537	107671	-	3	1	1	2	1	2	1	1	-	125	155	60	24.0	2	5	4	23.7	11.3	3.75	2	3
24538	107672	-	3	1	1	2	1	2	1	1	-	115	148	70	25.0	2	5	4	24.9	11.0	3.90	2	3
24539	107673	-	3	1	1	2	1	2	1	1	-	115	148	50	22.0	2	5	4	19.1	-	-	1	3
24540	107674	-	3	1	1	2	2	1	1	1	4	133	154	60	17.0	2	5	4	22.8	11.1	3.95	1	3
24541	107675	-	3	1	1	2	1	2	1	1	-	115	151	60	17.0	2	5	4	23.9	10.1	3.90	1	3
24542	107676	-	3	1	1	2	-	1	1	1	-	133	152	55	19.0	2	5	4	25.1	10.0	4.06	1	3
24543	107677	-	3	1	1	2	1	2	1	1	-	123	151	55	22.0	2	5	4	25.4	10.9	3.79	1	3
24544	107678	-	3	1	1	2	1	2	1	1	-	123	151	55	24.0	2	5	4	26.7	10.6	3.79	1	3
24545	107679	-	3	1	1	2	-	1	1	1	-	131	152	40	19.0	2	5	4	23.8	10.1	3.95	1	3
24546	107680	-	3	1	1	2	1	1	1	1	-	124	151	50	17.0	2	5	4	22.7	12.5	4.00	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24547	107681	-	3	1	1	2	-	1	1	-	-	133	151	45	23.0	2	5	4	-	11.6	4.13	1	3
24548	107682	-	3	1	1	2	2	1	1	1	4	133	152	40	17.0	2	5	4	27.7	11.8	4.23	1	3
24549	107683	-	3	1	1	2	1	2	1	1	-	117	149	50	17.0	2	5	4	26.6	11.0	4.18	1	5
24550	107684	-	3	1	1	2	1	1	1	1	-	116	148	50	17.0	2	5	4	23.4	12.1	4.04	1	3
24551	107685	-	3	1	1	2	1	2	1	1	-	122	151	60	17.0	2	5	4	29.0	13.1	3.53	1	3
24552	107686	-	3	1	1	2	1	2	1	1	-	122	152	50	17.0	2	5	4	24.7	14.4	3.45	1	3
24553	107687	-	3	1	1	2	1	1	1	1	-	124	152	55	20.0	2	5	4	24.9	13.8	3.54	1	3
24554	107688	-	3	1	1	2	1	2	1	1	-	130	155	55	23.0	2	5	4	27.6	14.0	3.55	1	3
24555	107689	-	3	1	1	2	1	2	1	1	-	118	151	35	23.0	2	5	4	26.7	12.9	3.64	2	5
24556	107690	-	3	1	1	2	1	2	1	1	-	115	148	40	22.0	2	5	4	26.6	11.3	4.15	1	5
24557	107691	-	3	1	1	2	1	2	1	1	-	116	148	50	20.0	2	5	4	25.7	11.2	4.19	1	3
24558	107692	-	3	1	1	2	1	2	1	1	-	113	148	50	23.0	2	5	4	23.9	10.9	3.79	1	3
24559	107693	-	3	1	1	2	1	2	1	1	-	114	148	50	19.0	2	5	4	27.1	11.2	3.73	2	3
24560	107694	-	3	1	1	2	1	2	1	1	-	115	148	50	23.0	2	5	4	28.2	11.9	3.73	1	3
24561	107695	-	3	1	1	2	-	1	1	1	-	134	155	50	18.0	2	5	4	29.7	11.8	3.85	1	3
24562	107696	-	3	1	3	2	1	2	1	1	-	116	155	50	-	2	5	4	24.1	12.0	4.08	1	3
24563	107697	-	3	1	3	2	2	1	1	1	4	133	155	45	19.0	2	5	4	28.4	12.0	3.87	1	3
24564	107698	-	3	1	3	2	2	1	1	1	4	123	152	50	17.0	2	5	4	37.4	11.6	4.22	1	3
24565	107699	-	3	1	3	2	2	1	1	1	-	135	154	40	15.0	2	5	4	36.9	12.0	4.00	1	3
24566	107700	-	2	1	3	2	2	2	1	1	2	135	160	50	14.0	2	5	4	32.7	11.4	4.21	1	3
24567	107701	-	2	1	3	2	2	1	1	1	-	135	160	40	19.0	2	5	4	33.4	10.4	4.42	1	3
24568	107702	-	2	1	3	2	2	1	1	1	-	135	159	40	15.0	2	5	4	33.9	10.5	4.47	2	3
24569	107703	-	3	1	1	2	2	2	1	1	4	134	154	50	17.0	2	5	4	40.1	11.2	4.37	1	5
24570	107704	-	3	1	3	2	2	2	1	1	4	124	155	50	19.0	2	5	4	34.7	10.8	4.00	1	3
24571	107705	-	3	1	1	2	2	1	1	1	2	121	151	60	21.0	2	5	4	32.3	10.8	3.85	1	3
24572	107706	-	3	1	3	2	2	1	1	1	2	123	151	50	22.0	2	5	4	35.0	10.4	4.42	1	5
24573	107707	-	3	1	1	2	2	2	1	1	2	125	151	50	20.0	2	5	4	31.1	10.9	4.40	1	3
24574	107708	-	1	2	5	2	2	2	1	1	4	135	159	45	27.0	2	5	4	43.7	12.1	3.85	1	3
24575	107709	-	1	2	5	2	2	2	1	1	4	134	158	40	22.0	2	5	4	38.4	13.3	3.73	1	3
24576	107710	-	1	2	3	2	2	2	1	1	4	137	165	40	26.0	2	5	4	31.1	11.8	3.90	2	3
24577	107711	-	1	2	3	2	2	2	1	1	4	135	165	50	25.0	2	5	4	34.2	12.4	3.82	1	3
24578	107712	-	1	2	5	2	2	2	1	1	4	134	159	50	23.0	2	5	4	42.2	12.2	3.91	1	3
24579	107713	-	1	1	5	2	2	1	1	1	4	143	172	60	18.0	2	5	4	25.9	11.5	4.17	1	3
24580	107714	-	1	2	5	2	2	2	1	1	4	144	172	60	28.0	2	5	4	29.1	13.7	3.72	2	3
24581	107715	-	1	2	5	-	2	2	1	1	4	166	176	-	30.0	2	5	4	27.3	-	-	1	3
24582	107716	-	2	2	3	2	2	2	1	1	4	130	159	50	31.0	2	5	4	38.8	12.1	3.97	1	3
24583	107717	-	1	2	5	2	2	2	1	1	-	138	170	60	24.0	2	5	4	34.3	16.6	3.49	2	3
24584	107718	-	1	2	3	2	2	1	1	1	4	136	162	50	26.0	2	5	4	38.0	13.2	3.93	1	3
24585	107719	-	3	2	1	2	2	2	1	1	4	123	158	55	26.0	2	5	4	40.7	12.7	3.93	1	3
24586	107720	-	1	2	3	2	2	2	1	1	4	132	162	40	24.0	2	5	4	37.0	13.7	3.79	2	3

IG	ICB	GHA	GCL	RNO	ACO	ANG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24587	107721	-	1	2	3	2	2	2	1	1	4	129	160	50	28.0	2	5	4	40.8	10.6	3.99	1	3
24588	107722	-	1	2	1	2	2	2	1	1	4	134	159	50	24.0	2	5	4	35.1	12.9	3.64	1	3
24589	107723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24590	107724	-	3	2	3	1	2	1	1	1	4	124	154	50	24.0	2	5	4	41.9	12.1	3.96	1	3
24591	107725	-	3	1	3	2	2	2	5	1	-	120	152	60	20.0	2	5	4	40.2	10.6	4.33	1	3
24592	107726	-	3	2	3	2	2	2	1	1	4	130	155	50	25.0	2	5	4	42.8	12.3	3.90	2	3
24593	107727	-	3	2	3	2	2	1	1	1	-	124	155	55	24.0	2	5	4	46.7	13.0	3.84	1	3
24594	107728	-	3	2	5	1	2	2	1	1	4	133	155	50	23.0	2	5	4	40.4	11.6	3.96	2	3
24595	107729	-	1	2	5	2	2	2	1	1	4	135	162	35	24.0	2	5	4	34.4	10.9	4.22	1	3
24596	107730	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24597	107731	-	3	2	3	2	2	1	1	1	4	123	155	55	24.0	2	5	4	47.4	12.0	4.08	1	3
24598	107732	-	3	2	3	2	2	1	1	1	4	125	158	70	24.0	2	5	4	47.1	12.0	4.25	1	3
24599	107733	-	3	2	5	1	2	1	1	1	4	122	152	60	26.0	2	5	4	47.0	14.2	3.73	1	3
24600	107734	-	3	2	5	2	2	2	1	1	4	124	159	50	23.0	2	5	4	39.2	13.4	3.88	1	3
24601	107735	-	3	2	3	2	2	2	1	1	4	123	152	60	23.0	2	5	4	38.8	10.9	4.12	1	3
24602	107736	-	2	1	5	2	2	1	1	1	2	135	159	50	17.0	2	5	4	38.5	10.8	4.25	1	3
24603	107737	-	2	1	5	2	2	1	3	1	2	132	163	50	18.0	2	5	4	41.7	10.4	4.32	1	3
24604	107738	-	2	1	5	2	1	2	3	1	-	128	164	60	25.0	2	5	4	32.8	9.6	4.47	1	3
24605	107739	-	2	2	5	2	2	2	3	1	4	134	163	50	21.0	2	5	4	35.3	11.6	4.13	1	3
24606	107740	-	2	2	5	2	2	2	1	1	4	135	162	45	25.0	2	5	4	37.6	11.8	3.98	2	3
24607	107741	-	2	2	5	2	2	2	1	1	4	133	158	50	22.0	2	5	4	37.6	12.6	3.88	1	3
24608	107742	-	2	2	5	2	2	2	1	1	4	135	159	50	28.0	2	5	4	38.7	11.5	3.94	1	3
24609	107743	-	2	2	3	2	2	2	1	1	2	135	163	50	27.0	2	5	4	41.4	11.4	4.10	1	3
24610	107744	-	3	2	5	2	2	1	1	1	4	132	162	50	25.0	2	4	4	37.9	13.0	4.07	1	3
24611	107745	-	1	2	5	2	2	1	3	1	4	135	166	50	22.0	2	5	4	32.5	12.5	4.08	1	3
24612	107746	-	1	2	5	2	2	1	9	1	2	138	166	65	19.0	2	5	4	32.4	10.4	4.32	1	3
24613	107747	-	1	1	5	2	2	1	3	1	2	144	167	60	16.0	2	5	4	29.7	11.3	4.24	1	3
24614	107748	-	1	2	5	2	2	1	1	1	4	136	167	55	24.0	2	5	4	29.7	12.7	3.77	1	3
24615	107749	-	2	2	5	2	2	1	1	1	4	133	163	60	29.0	2	5	4	36.3	14.2	3.80	1	3
24616	107750	-	3	2	5	2	2	2	1	1	4	132	160	60	26.0	2	5	4	43.2	14.0	3.78	1	3
24617	107751	-	3	2	7	2	2	2	1	1	4	129	159	60	26.0	2	5	4	44.4	12.7	3.74	1	3
24618	107752	-	3	2	5	2	2	2	1	1	4	128	159	70	31.0	2	5	4	39.2	11.6	3.74	1	3
24619	107753	-	2	1	5	2	2	1	3	1	2	132	166	65	18.0	2	5	4	34.2	13.5	3.69	1	3
24620	107754	-	3	2	3	2	2	1	1	1	4	128	155	60	27.0	2	5	4	39.0	11.6	4.08	1	3
24621	107755	-	1	2	3	2	2	1	1	1	4	136	166	70	26.0	2	5	4	38.6	13.4	3.76	1	3
24622	107756	-	2	2	5	2	2	1	1	1	4	137	166	50	24.0	2	5	4	32.6	12.5	3.91	1	3
24623	107757	-	2	2	5	2	2	1	1	1	4	137	165	50	25.0	2	5	4	33.9	12.2	3.88	1	3
24624	107758	-	1	1	5	2	2	1	3	1	4	135	166	60	20.0	2	5	4	28.2	11.5	4.26	2	3
24625	107759	-	1	2	5	2	2	1	1	1	4	136	166	70	22.0	2	5	4	36.0	14.8	3.77	2	3
24626	107760	-	2	1	5	2	2	1	1	1	4	129	161	70	24.0	2	5	4	29.9	12.9	3.89	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24627	107761	-	3	2	1	2	2	2	1	1	4	128	161	60	26.0	2	5	4	44.1	14.9	3.67	1	3
24628	107762	-	2	1	5	2	2	1	3	1	4	137	167	60	19.0	2	5	4	26.8	12.9	3.80	1	3
24629	107763	-	2	2	3	2	2	2	1	1	4	131	165	70	26.0	2	5	4	40.7	16.0	3.49	1	3
24630	107764	-	3	2	7	2	2	2	1	1	4	128	164	60	26.0	2	4	4	41.5	13.3	3.83	1	3
24631	107765	-	1	1	5	2	2	1	1	1	2	134	166	50	17.0	2	5	4	39.2	10.7	4.18	1	3
24632	107766	-	2	1	3	2	2	2	9	1	3	136	155	50	26.0	2	5	4	43.1	10.8	4.08	1	3
24633	107767	-	1	1	5	2	2	2	3	1	2	133	163	50	15.0	2	5	4	43.8	11.4	4.29	2	3
24634	107768	-	1	1	5	2	2	2	3	1	4	145	171	65	19.0	2	5	4	27.4	13.0	3.80	2	3
24635	107769	-	3	2	3	2	2	2	1	1	4	136	161	55	24.0	2	5	4	49.7	13.0	3.92	1	3
24636	107770	-	3	1	3	2	-	2	1	1	-	123	161	75	26.0	2	5	4	30.4	10.9	4.13	2	3
24637	107771	-	3	1	3	2	-	2	1	1	-	123	161	75	25.0	2	5	4	22.1	12.6	3.82	1	3
24638	107772	-	3	2	3	2	2	1	1	1	4	134	166	75	32.0	2	5	4	40.2	11.5	4.06	1	3
24639	107773	-	3	2	7	2	2	1	1	1	4	117	152	55	22.0	2	5	4	40.8	9.3	4.16	1	3
24640	107774	-	3	2	3	2	2	1	1	1	4	134	165	50	25.0	2	5	4	36.9	10.1	4.22	1	3
24641	107775	-	1	2	3	2	2	1	1	1	4	132	163	50	13.0	2	5	4	29.0	12.2	4.18	2	3
24642	107776	-	3	2	5	2	2	1	1	1	4	132	162	50	26.0	2	5	4	37.0	10.2	4.19	1	3
24643	107777	-	1	1	5	2	2	2	1	1	4	156	-	-	16.0	2	5	4	23.4	13.2	3.78	2	3
24644	107778	-	3	1	5	2	2	1	1	1	2	132	155	55	17.0	2	5	4	35.7	12.5	4.08	2	3
24645	107779	-	2	1	5	2	2	1	1	1	2	137	166	50	17.0	2	5	4	35.0	10.5	4.19	2	3
24646	107780	-	3	2	5	1	2	2	1	1	4	135	161	40	24.0	2	5	4	37.2	11.3	3.85	1	3
24647	107781	-	3	1	3	2	2	1	1	1	4	132	163	50	17.0	2	5	4	41.1	10.2	4.12	2	3
24648	107782	-	1	1	3	2	2	1	1	1	1	144	173	-	23.0	2	5	4	28.6	12.5	3.88	1	3
24649	107783	-	1	1	5	2	2	1	3	1	1	145	172	70	22.0	2	5	4	35.2	12.3	3.89	1	3
24650	107784	-	1	1	5	2	2	1	3	1	1	145	172	70	16.0	2	5	4	34.8	11.9	3.91	1	3
24651	107785	-	3	1	1	2	1	2	1	1	-	122	152	60	22.0	2	5	4	36.1	11.8	3.84	1	3
24652	107786	-	3	1	1	2	-	2	1	1	-	129	161	60	20.0	2	5	4	30.6	13.6	3.85	1	3
24653	107787	-	3	1	3	2	2	1	3	1	4	125	162	70	14.0	3	5	4	45.2	9.8	4.11	1	3
24654	107788	-	3	2	7	2	2	2	3	1	4	129	158	60	28.0	2	4	4	38.2	13.8	3.63	1	3
24655	107789	-	2	1	5	2	2	1	3	1	2	137	169	65	19.0	2	5	4	39.0	12.5	3.92	1	3
24656	107790	-	1	1	5	2	2	1	3	1	1	136	168	60	17.0	2	5	4	27.2	11.4	4.03	2	3
24657	107791	-	2	2	5	2	2	1	1	1	4	132	162	45	20.0	2	5	4	35.2	11.6	4.09	1	3
24658	107792	-	2	2	5	1	2	2	1	1	4	137	161	50	23.0	2	4	4	36.3	12.6	3.78	1	3
24659	107793	-	2	2	3	2	2	2	1	1	-	131	160	50	27.0	2	5	4	33.1	13.9	3.88	1	3
24660	107794	-	3	2	5	2	-	2	1	-	-	133	158	55	27.0	2	5	4	-	-	-	1	3
24661	107795	-	3	2	3	2	1	2	1	1	-	124	153	55	26.0	2	5	4	48.5	13.1	3.78	1	3
24662	107796	-	2	2	3	2	-	2	1	1	-	134	159	55	27.0	2	5	4	38.0	12.8	3.95	1	3
24663	107797	-	1	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24664	107798	-	1	2	5	2	2	2	1	1	4	142	169	60	26.0	2	5	4	34.7	15.0	3.71	1	3
24665	107799	-	3	1	5	2	2	1	3	1	4	131	158	50	20.0	3	5	4	41.9	10.5	4.01	1	3
24666	107800	-	3	3	7	2	2	2	7	2	3	124	154	50	25.0	1	5	4	44.3	12.4	3.89	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24667	107801	-	2	1	3	2	2	1	9	1	2	132	159	50	17.0	2	5	4	37.0	11.4	4.12	1	3
24668	107802	-	1	1	5	2	2	2	-	1	4	154	178	-	17.0	2	5	4	25.6	14.8	3.66	1	3
24669	107803	-	3	2	3	2	2	1	1	1	2	124	151	55	24.0	2	5	-	39.0	10.1	4.11	1	3
24670	107804	-	3	1	3	2	1	1	1	1	-	129	160	55	17.0	2	5	4	46.3	10.9	4.22	1	3
24671	107805	-	2	1	-	-	1	2	1	1	-	128	158	50	20.0	2	5	1	36.4	11.6	3.75	1	3
24672	107806	-	1	1	3	-	2	2	-	1	4	165	-	-	14.0	3	5	4	25.0	-	-	1	3
24673	107807	-	3	1	3	2	2	1	3	1	2	131	162	60	17.0	2	5	4	36.6	12.5	4.00	1	3
24674	107808	-	1	1	5	2	2	1	3	1	4	138	169	70	20.0	2	5	4	34.8	11.1	3.85	1	3
24675	107809	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24676	107810	-	3	2	3	2	2	2	1	1	4	138	169	60	22.0	2	5	4	34.8	10.9	4.09	1	3
24677	107811	-	3	2	1	2	2	2	1	1	4	128	165	55	20.0	2	5	4	36.3	10.6	4.11	2	3
24678	107812	-	2	2	3	2	2	1	1	1	4	130	166	65	29.0	2	5	4	39.7	11.0	4.12	1	3
24679	107813	-	1	1	3	2	2	1	1	1	4	138	170	65	20.0	2	5	4	28.5	12.6	3.82	2	3
24680	107814	-	1	-	5	2	2	1	1	1	1	150	-	-	27.0	-	5	-	29.1	12.4	3.96	1	3
24681	107815	-	1	1	3	2	2	1	1	1	4	134	166	65	11.0	2	5	4	30.6	12.4	3.99	1	3
24682	107816	-	2	1	3	2	2	1	1	1	4	127	162	50	14.0	2	5	4	31.3	12.0	4.00	1	3
24683	107817	-	1	1	7	2	2	2	7	2	3	136	167	65	17.0	2	5	4	28.7	13.0	4.00	1	3
24684	107818	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24685	107819	-	2	1	5	2	-	2	1	-	-	128	165	70	24.0	2	5	4	-	-	-	1	3
24686	107820	-	2	1	3	2	1	2	1	1	-	136	166	65	19.0	2	5	4	24.9	12.7	4.06	2	3
24687	107821	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.7	3.91	-	-
24688	107822	-	2	1	5	2	-	1	3	-	-	142	171	60	22.0	2	5	4	-	-	-	2	3
24689	107823	-	1	2	5	2	2	2	3	1	1	144	173	70	21.0	2	5	4	36.2	13.6	3.82	1	3
24690	107824	-	2	2	5	2	2	2	3	1	1	145	174	60	32.0	2	5	4	36.9	11.5	3.96	1	3
24691	107825	-	1	2	5	2	2	1	3	1	1	137	171	65	25.0	2	5	4	36.7	11.8	3.98	1	3
24692	107826	-	1	1	-	-	-	1	-	-	-	161	-	-	-	2	-	4	-	-	-	-	-
24693	107827	-	1	2	3	2	2	2	1	1	1	136	167	70	27.0	2	5	4	40.7	-	-	1	3
24694	107828	-	1	1	3	2	1	2	1	1	-	136	167	70	22.0	2	5	4	32.3	12.8	3.81	2	3
24695	107829	-	1	1	-	-	1	2	1	1	-	132	165	50	21.0	2	5	1	24.1	13.6	3.65	1	3
24696	107830	-	1	1	3	2	1	2	9	2	-	130	171	60	22.0	2	5	4	32.5	14.7	3.68	1	3
24697	107831	-	2	1	-	2	-	1	1	-	-	124	164	70	24.0	2	-	1	-	-	-	-	3
24698	107832	-	2	1	-	-	2	2	1	1	2	122	159	70	28.0	2	5	3	31.0	12.7	3.92	1	3
24699	107833	-	3	1	3	2	-	2	1	-	-	128	170	60	20.0	2	5	4	-	-	-	1	3
24700	107834	-	2	1	3	2	2	1	3	1	2	133	167	50	19.0	2	5	4	34.4	10.5	4.24	1	3
24701	107835	-	2	1	3	2	2	1	1	1	4	129	167	70	25.0	2	5	4	27.1	12.3	3.81	1	3
24702	107836	-	1	2	3	1	2	1	3	1	4	136	167	50	23.0	3	5	4	33.9	12.6	3.74	1	3
24703	107837	-	1	1	5	2	2	2	3	1	1	143	172	70	15.0	2	5	4	33.2	12.2	3.94	1	3
24704	107838	-	1	2	5	2	2	1	1	1	4	132	171	65	30.0	2	4	4	37.3	17.1	3.47	1	3
24705	107839	-	3	1	-	-	2	-	1	1	4	124	159	70	23.0	2	5	1	25.2	11.5	4.26	1	3
24706	107840	-	2	1	3	2	1	1	1	-	-	130	162	50	22.0	2	5	4	-	-	-	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24707	107841	-	1	1	5	2	2	1	3	1	2	135	166	50	22.0	2	5	4	38.5	11.3	4.14	1	3
24708	107842	-	1	1	5	2	2	1	3	1	2	137	168	60	15.0	2	5	4	40.4	11.0	4.18	1	3
24709	107843	-	2	1	1	2	2	2	1	1	-	127	162	50	17.0	2	5	4	32.1	11.2	4.05	1	3
24710	107844	-	1	1	5	2	2	1	1	1	2	138	169	50	19.0	2	5	4	36.1	12.0	4.14	1	3
24711	107845	-	3	2	1	1	2	2	1	1	4	124	152	50	29.0	2	5	4	43.8	10.1	4.00	1	3
24712	107846	-	2	1	5	2	2	1	3	1	2	134	166	50	15.0	2	5	4	40.7	10.9	4.11	1	3
24713	107847	-	1	1	3	2	2	2	3	1	2	138	166	50	15.0	2	5	4	33.6	11.9	4.01	1	3
24714	107848	-	2	1	5	2	2	1	3	1	2	137	167	60	23.0	2	5	4	42.3	11.9	4.00	1	3
24715	107849	-	1	1	5	2	2	1	3	1	1	-	170	-	18.0	2	5	4	28.9	12.0	4.04	1	3
24716	107850	-	1	1	7	2	1	2	9	2	-	132	166	60	18.0	2	5	4	32.1	-	-	1	3
24717	107851	-	1	1	3	2	2	2	1	1	2	133	158	40	17.0	2	5	4	35.3	11.3	4.06	1	3
24718	107852	-	3	3	5	2	2	1	1	1	4	123	154	40	23.0	1	5	4	49.7	14.2	3.72	1	3
24719	107853	-	3	1	3	2	1	1	1	1	-	125	151	45	21.0	2	5	4	31.8	13.6	3.70	1	3
24720	107854	-	3	2	5	1	2	2	1	1	4	134	159	55	25.0	2	5	4	42.9	13.8	3.76	1	3
24721	107855	-	3	2	3	1	2	2	1	1	4	135	169	60	33.0	2	5	4	40.4	16.7	3.53	1	3
24722	107856	-	3	2	5	2	2	2	1	1	4	133	157	55	26.0	2	4	4	45.5	13.3	3.71	1	3
24723	107857	-	3	2	5	2	2	2	1	1	4	133	158	55	29.0	2	4	4	45.8	13.4	3.66	1	3
24724	107858	-	3	2	5	1	2	2	1	1	4	134	165	50	28.0	2	5	4	38.4	15.9	3.49	1	3
24725	107859	-	3	2	5	2	2	2	1	1	4	131	162	60	30.0	2	4	4	40.5	13.9	3.54	1	3
24726	107860	-	3	2	5	1	2	1	3	1	4	132	164	50	31.0	2	5	4	37.3	15.5	3.61	1	3
24727	107861	-	2	2	3	2	1	2	1	1	-	136	165	50	24.0	2	5	4	35.5	14.7	3.56	2	3
24728	107862	-	2	1	3	1	2	2	3	1	4	138	166	50	16.0	2	5	4	36.8	12.1	4.03	1	3
24729	107863	-	3	1	3	2	2	1	3	1	2	130	166	60	18.0	2	5	4	34.5	10.3	4.15	1	3
24730	107864	-	3	1	3	2	2	-	3	1	2	128	166	70	18.0	2	5	4	40.8	10.6	4.01	1	3
24731	107865	-	3	1	5	2	1	2	1	1	-	128	164	50	26.0	3	5	4	22.9	14.6	3.83	1	3
24732	107866	-	2	1	3	2	1	2	1	1	-	127	164	50	27.0	2	5	4	30.1	13.4	3.73	1	3
24733	107867	-	2	1	5	2	2	1	9	1	2	134	166	50	16.0	2	5	4	35.7	10.6	4.09	2	3
24734	107868	-	3	1	7	2	2	1	7	2	3	122	152	60	21.0	2	5	4	38.3	10.6	4.15	1	3
24735	107869	-	2	1	3	2	2	1	1	1	1	133	166	45	15.0	2	5	4	28.6	10.3	3.98	1	3
24736	107870	-	3	1	-	-	2	2	1	1	2	118	150	-	19.0	2	-	3	29.3	10.3	3.98	-	3
24737	107871	-	3	1	3	2	1	2	1	1	-	122	155	60	24.0	2	5	4	23.8	11.7	3.78	1	3
24738	107872	-	1	1	7	2	2	1	7	2	3	136	166	50	22.0	2	5	4	31.3	10.4	4.14	1	3
24739	107873	-	1	1	7	2	2	1	7	2	3	136	165	45	15.0	2	5	4	33.1	11.0	4.04	1	3
24740	107874	-	1	1	3	2	2	1	1	1	4	138	166	60	20.0	2	5	4	29.0	10.9	4.14	1	3
24741	107875	-	1	1	5	2	2	2	3	1	2	132	166	40	12.0	2	5	4	43.0	10.1	4.25	1	3
24742	107876	-	1	1	5	1	2	1	7	1	3	138	167	60	14.0	2	5	4	37.2	13.4	3.74	1	3
24743	107877	-	3	2	3	2	1	2	1	1	-	129	152	50	24.0	2	5	4	46.7	14.6	3.76	1	3
24744	107878	-	3	1	5	2	2	1	3	1	2	134	166	50	16.0	2	5	4	39.9	12.3	3.93	1	3
24745	107879	-	2	1	5	1	2	2	3	1	4	134	165	50	16.0	2	5	4	27.0	12.7	4.01	1	3
24746	107880	-	3	2	5	2	2	1	1	1	4	132	152	35	12.0	2	5	4	26.2	9.1	4.06	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24747	107881	-	3	2	5	2	2	2	3	1	4	124	159	60	27.0	2	5	4	38.4	14.7	3.87	1	3
24748	107882	-	3	1	-	-	2	1	1	1	4	132	162	70	20.0	2	5	1	28.1	-	-	1	3
24749	107883	-	3	1	-	-	1	2	1	-	-	121	151	50	21.0	2	-	5	-	-	-	-	3
24750	107884	-	3	1	-	-	1	2	1	1	-	121	151	60	22.0	2	5	5	29.1	11.9	3.83	1	3
24751	107885	-	3	1	3	2	2	2	1	1	2	120	151	40	21.0	2	5	4	35.5	11.1	3.75	1	3
24752	107886	-	3	1	5	2	2	2	9	1	2	122	151	65	17.0	2	5	4	26.6	13.0	3.83	1	3
24753	107887	-	3	1	5	2	2	2	9	1	2	124	151	75	22.0	2	5	4	27.4	10.9	3.92	1	3
24754	107888	-	3	1	1	2	1	1	1	1	-	119	151	60	23.0	2	5	4	23.4	11.9	3.71	1	3
24755	107889	-	3	1	3	2	2	2	9	1	2	120	150	60	21.0	2	5	4	33.5	11.7	3.96	1	3
24756	107890	-	3	1	5	2	2	2	9	1	2	125	152	65	25.0	2	5	4	27.6	13.1	3.67	1	3
24757	107891	-	3	1	5	2	2	2	9	1	2	124	152	80	22.0	2	5	4	26.3	12.7	3.83	1	3
24758	107892	-	2	2	3	2	2	1	3	1	4	128	162	80	25.0	2	4	4	42.7	11.7	4.06	1	3
24759	107893	-	1	1	-	2	2	2	9	1	2	128	162	65	16.0	2	5	2	35.9	11.5	3.99	1	3
24760	107894	-	1	1	3	2	1	2	3	1	-	135	167	70	24.0	2	5	4	26.6	13.5	3.63	1	3
24761	107895	-	2	1	3	2	2	1	1	1	2	131	164	60	23.0	2	5	4	22.1	13.3	3.70	2	3
24762	107896	-	3	1	5	2	2	2	1	1	2	120	151	50	23.0	2	5	4	23.7	10.6	4.12	1	3
24763	107897	-	3	1	1	2	1	2	1	1	-	124	152	50	24.0	2	5	4	18.4	14.3	3.55	1	3
24764	107898	-	1	1	3	2	1	2	1	1	-	136	166	55	20.0	2	5	4	23.9	14.1	3.49	1	5
24765	107899	-	1	1	-	-	2	2	3	1	4	138	166	45	22.0	3	5	5	24.2	13.1	4.04	1	3
24766	107900	-	3	1	-	-	2	2	1	1	2	121	151	60	18.0	3	5	5	26.0	13.3	3.81	1	5
24767	107901	-	3	1	-	2	2	2	1	1	2	122	152	75	25.0	3	5	5	26.0	12.6	3.91	1	3
24768	107902	-	3	1	-	2	2	2	1	1	4	117	151	70	23.0	3	5	5	29.6	12.4	3.79	1	3
24769	107903	-	2	1	3	2	2	1	3	1	2	134	169	70	25.0	2	5	4	41.3	11.9	3.96	1	3
24770	107904	-	1	1	5	2	2	1	-	1	-	144	-	60	19.0	2	5	4	26.7	-	-	1	3
24771	107905	-	2	1	5	2	2	1	3	1	2	138	169	80	20.0	2	5	4	39.6	11.8	3.97	1	3
24772	107906	-	2	1	5	2	2	1	3	1	2	137	169	65	17.0	2	5	4	38.8	12.7	3.85	1	3
24773	107907	-	1	1	5	2	2	1	3	1	2	138	169	70	17.0	2	5	4	38.1	12.7	3.97	1	3
24774	107908	-	1	1	5	1	2	1	7	2	3	137	168	70	20.0	2	5	4	39.0	14.4	3.61	1	3
24775	107909	-	1	1	5	2	2	1	3	1	1	138	168	75	20.0	2	5	4	27.0	12.9	3.72	1	3
24776	107910	-	1	1	5	2	2	1	3	1	2	137	169	75	20.0	2	5	4	42.0	12.2	3.94	1	3
24777	107911	-	3	3	9	2	2	1	7	2	3	124	160	70	30.0	2	5	4	40.5	14.0	3.76	2	3
24778	107912	-	2	1	3	2	2	1	1	1	2	130	168	70	24.0	2	5	4	27.3	14.9	3.74	1	3
24779	107913	-	3	1	3	2	2	1	9	1	2	128	168	70	20.0	2	5	4	39.7	12.7	4.01	2	3
24780	107914	-	2	1	3	2	2	1	3	1	4	129	168	70	19.0	2	5	4	33.8	13.7	3.80	1	3
24781	107915	-	3	2	5	2	2	2	1	1	4	130	166	80	36.0	2	4	4	35.4	14.1	3.75	1	3
24782	107916	-	1	1	5	2	2	1	1	1	1	145	171	75	15.0	2	5	4	21.4	14.2	3.89	1	3
24783	107917	-	1	1	5	2	2	1	1	1	2	136	167	60	16.0	2	5	4	27.8	13.0	3.91	2	3
24784	107918	-	1	2	5	2	2	1	1	1	2	137	166	60	26.0	2	5	4	40.7	13.5	3.74	2	3
24785	107919	-	1	1	3	2	2	2	1	1	2	136	166	60	23.0	2	5	4	28.7	11.9	3.89	2	3
24786	107920	-	1	1	5	2	2	-	1	1	4	145	167	80	20.0	2	5	4	38.8	14.7	3.77	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LOO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24787	107921	-	1	1	5	1	2	1	1	1	1	146	171	60	20.0	2	5	4	26.3	12.3	4.00	2	3
24788	107922	-	2	1	3	2	2	2	1	1	4	138	159	60	20.0	2	5	4	50.8	12.4	3.85	1	3
24789	107923	-	1	1	5	2	2	1	1	1	1	130	171	50	24.0	2	5	4	31.1	14.7	3.81	1	3
24790	107924	-	3	2	5	2	2	2	1	1	4	136	162	60	24.0	2	5	4	34.8	12.2	3.78	1	3
24791	107925	-	2	2	5	2	2	2	1	1	1	136	162	50	18.0	2	5	4	28.8	13.6	3.74	1	3
24792	107926	-	3	1	5	2	2	2	3	1	4	134	162	50	20.0	2	5	4	34.0	14.1	3.85	2	3
24793	107927	-	2	1	3	2	2	1	1	1	2	132	161	50	16.0	2	5	4	35.3	13.5	3.76	1	3
24794	107928	-	3	2	3	2	2	2	1	1	1	137	166	55	28.0	2	5	4	32.3	12.6	3.81	1	3
24795	107929	-	1	1	5	2	-	1	1	-	-	132	165	50	20.0	2	5	4	-	-	-	1	3
24796	107930	-	1	1	5	2	2	1	1	1	4	131	168	50	16.0	2	5	4	32.9	11.4	4.10	1	3
24797	107931	-	2	1	5	2	2	2	1	1	2	135	168	60	22.0	2	5	4	24.3	12.4	3.97	1	3
24798	107932	-	2	2	3	2	2	2	1	1	4	135	166	60	27.0	2	5	4	38.2	12.5	3.95	1	3
24799	107933	-	3	2	3	2	2	1	1	1	4	133	162	60	23.0	2	5	4	36.1	15.4	3.71	1	3
24800	107934	-	1	1	7	1	2	2	7	2	3	138	166	60	21.0	2	5	4	37.4	13.5	3.84	1	3
24801	107935	-	1	2	3	2	2	2	1	1	4	131	165	40	25.0	2	5	4	38.1	14.3	3.76	1	3
24802	107936	-	1	2	3	2	2	1	1	1	4	130	165	55	30.0	2	5	4	34.1	14.7	3.62	1	3
24803	107937	-	3	1	5	2	2	2	3	1	4	130	165	70	27.0	2	5	4	36.3	12.2	3.94	1	3
24804	107938	-	3	2	5	2	2	2	1	1	4	129	164	70	30.0	2	4	4	36.3	13.5	3.70	1	3
24805	107939	-	3	1	5	2	2	1	1	1	4	131	159	55	20.0	2	5	4	30.9	13.0	3.90	1	3
24806	107940	-	3	2	3	2	2	2	1	1	4	133	158	60	25.0	2	5	4	40.5	13.1	3.70	1	3
24807	107941	-	3	1	3	2	2	1	3	1	4	131	161	50	12.0	2	5	4	43.8	11.2	4.09	2	3
24808	107942	-	2	2	5	2	2	1	1	1	4	134	162	50	23.0	2	4	4	38.1	13.3	3.80	1	3
24809	107943	-	3	1	5	2	2	2	1	1	4	132	162	50	17.0	2	5	4	35.1	15.0	3.80	1	3
24810	107944	-	3	1	5	2	2	1	9	1	2	134	162	50	20.0	2	5	4	39.8	12.5	4.08	1	3
24811	107945	-	1	1	3	2	2	1	9	1	2	144	171	60	19.0	2	5	4	29.6	14.1	3.88	1	3
24812	107946	-	1	1	5	2	2	1	3	1	1	138	169	55	18.0	2	5	4	28.0	14.1	3.82	1	3
24813	107947	-	3	2	5	2	2	1	1	1	2	122	152	50	29.0	2	5	4	45.8	13.4	3.76	1	3
24814	107948	-	3	1	3	2	2	1	1	1	4	124	158	50	25.0	2	5	4	28.1	14.5	3.73	1	3
24815	107949	-	3	1	5	2	2	1	9	1	2	129	155	50	14.0	2	5	4	37.4	15.0	3.67	1	3
24816	107950	-	3	1	5	2	2	1	3	1	4	125	155	50	20.0	2	5	4	42.5	15.2	3.70	1	3
24817	107951	-	3	2	3	2	2	2	3	1	4	134	160	50	25.0	2	5	4	35.3	13.9	3.86	2	3
24818	107952	-	3	2	3	2	2	1	1	1	4	135	159	60	19.0	2	5	4	41.3	14.9	3.59	1	3
24819	107953	-	1	1	3	2	2	1	3	1	1	143	170	60	19.0	2	5	4	26.0	13.6	3.82	1	3
24820	107954	-	3	1	5	2	2	1	3	1	2	128	160	50	16.0	2	5	4	36.0	12.7	3.94	1	3
24821	107955	-	3	1	3	2	2	1	3	1	2	127	158	50	22.0	2	5	4	31.1	12.9	4.10	1	3
24822	107956	-	2	1	5	2	2	1	1	1	4	134	159	50	38.0	2	5	4	35.3	15.1	3.76	1	3
24823	107957	-	3	2	3	2	2	1	7	2	3	133	152	40	24.0	2	5	4	39.9	11.7	3.91	1	3
24824	107958	-	3	2	3	2	2	1	3	1	1	132	162	45	20.0	2	5	4	35.3	11.7	4.29	1	3
24825	107959	-	1	1	7	2	2	2	1	1	2	133	157	50	20.0	2	5	4	36.2	13.6	3.92	1	3
24826	107960	-	1	1	5	2	2	2	3	1	1	145	166	50	13.0	2	5	4	25.3	13.6	3.88	1	3

IG	ICB	GHA	GCL	RNO	ACO	ARG	KCV	RHL	GCO	LCO	KCO	DHE	DMA	PLH	SGS	SDE	SCO	H/A	KWT	PRO	LYS/PRO	TIL	LOD
24827	107961	-	3	2	3	2	2	2	1	1	4	124	154	50	31.0	2	5	4	37.4	12.9	3.83	1	3
24828	107962	-	3	2	3	2	2	2	1	1	4	125	158	60	28.0	2	5	4	36.5	14.7	3.57	1	3
24829	107963	-	3	1	5	2	2	1	1	1	4	125	158	60	21.0	2	5	4	25.8	-	-	1	3
24830	107964	-	3	2	3	2	2	2	1	1	4	128	160	65	27.0	2	5	4	31.5	14.5	3.64	1	3
24831	107965	-	3	2	5	2	2	2	1	1	4	131	158	65	29.0	2	5	4	37.2	11.9	3.94	1	3
24832	107966	-	1	1	5	2	2	2	1	1	2	134	160	50	20.0	2	5	4	44.7	13.0	3.87	1	3
24833	107967	-	1	1	5	2	2	2	1	1	4	134	166	35	25.0	2	5	4	32.2	12.4	4.00	1	3
24834	107968	-	3	1	5	2	2	2	3	1	2	130	159	55	24.0	2	5	4	31.5	11.9	3.96	1	3
24835	107969	-	2	1	3	2	1	2	1	1	-	135	166	60	-	2	5	4	28.6	12.1	3.88	1	3
24836	107970	-	1	1	5	2	2	2	1	1	1	134	165	50	18.0	2	5	4	28.8	9.3	4.41	1	3
24837	107971	-	1	1	7	1	2	1	7	2	3	137	165	60	14.0	2	5	4	36.7	12.3	3.93	2	3
24838	107972	-	1	1	7	2	2	2	1	1	1	138	166	70	20.0	2	5	4	21.6	12.7	3.87	2	3
24839	107973	-	1	1	5	2	2	2	7	2	3	157	171	-	-	2	5	4	27.3	14.2	3.79	1	3
24840	107974	-	2	2	5	2	2	1	1	1	4	133	162	50	25.0	2	5	4	38.1	12.6	3.91	1	3
24841	107975	-	2	1	5	2	2	1	1	1	4	135	163	50	18.0	2	5	4	34.8	11.9	3.90	1	3
24842	107976	-	2	1	5	2	2	1	1	1	2	137	166	65	14.0	2	5	4	30.3	14.1	3.70	1	3
24843	107977	-	3	2	5	2	2	2	1	1	5	135	155	50	23.0	2	5	4	38.2	16.0	3.23	1	3
24844	107978	-	2	1	5	2	2	1	1	1	4	133	166	70	16.0	2	5	4	27.2	14.8	3.58	1	3
24845	107979	-	1	1	7	2	2	1	7	2	3	138	165	65	18.0	2	5	4	27.7	10.6	3.49	2	3
24846	107980	-	3	2	5	2	2	2	3	1	4	116	146	50	29.0	2	5	4	40.1	10.9	3.90	1	5
24847	107981	-	2	1	5	2	2	1	3	1	1	138	166	55	13.0	2	5	4	36.0	9.5	4.20	1	3
24848	107982	-	3	1	5	2	2	1	3	1	1	132	160	60	16.0	2	5	4	41.5	10.8	4.29	1	3
24849	107983	-	2	1	-	2	1	2	3	1	-	128	159	50	23.0	2	5	4	28.4	12.6	3.87	1	3
24850	107984	-	3	1	1	2	1	2	1	1	-	123	158	50	20.0	2	5	4	26.4	13.0	3.92	1	3
24851	107985	-	3	1	3	2	2	2	9	1	2	118	152	50	19.0	3	5	4	35.9	11.0	4.09	1	3
24852	107986	-	3	1	5	2	2	1	9	1	2	131	164	50	17.0	2	5	4	40.2	11.6	4.02	2	3
24853	107987	-	3	1	5	2	2	1	9	1	2	128	164	70	17.0	2	5	4	39.0	11.5	4.06	1	3
24854	107988	-	3	1	5	2	2	1	3	1	2	131	165	70	23.0	2	5	4	48.4	12.6	3.97	1	3
24855	107989	-	3	1	3	2	2	2	3	1	4	118	151	60	20.0	3	5	4	44.7	13.0	3.73	1	3
24856	107990	-	3	1	3	2	2	1	3	1	4	131	162	50	14.0	3	5	4	45.7	11.4	3.98	1	3
24857	107991	-	3	1	5	2	2	1	3	1	4	131	162	50	17.0	3	5	4	47.2	10.4	4.21	1	3
24858	107992	-	2	1	5	2	2	2	3	1	4	133	166	50	19.0	2	5	-	45.8	12.3	3.75	1	3
24859	107993	-	3	1	3	2	2	2	1	1	2	125	158	60	20.0	2	5	4	33.1	10.5	4.06	1	3
24860	107994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24861	107995	-	1	1	3	2	2	2	1	1	4	134	164	40	21.0	2	5	4	27.9	12.4	4.27	1	3
24862	107996	-	2	1	3	2	2	2	1	1	4	134	166	50	22.0	2	5	4	30.7	11.9	4.06	1	3
24863	107997	-	1	1	7	2	2	2	3	1	1	138	167	60	19.0	2	5	4	22.4	11.4	4.12	2	3
24864	107998	-	1	1	3	1	2	2	7	2	3	168	172	-	26.0	2	5	4	29.5	16.1	3.64	1	3
24865	107999	-	1	2	3	2	2	1	3	1	-	133	162	40	25.0	2	5	4	36.2	14.6	3.82	1	3
24866	108000	-	1	1	7	2	2	1	3	1	4	138	165	50	17.0	2	5	4	33.8	14.4	3.68	1	3

