"A ONE YEAR CROSS-SECTIONAL STUDY TO DETERMINE THE PREVALENCE OF RED CELL ALLOIMMUNIZATION AMONG PREGNANT WOMEN ATTENDING ANTENATAL CLINIC AT TEACHING HOSPITAL ATTACHED TO KAHER, BELAGAVI"

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ABBREVIATIONS

HDFN	-	Hemolytic disease of the fetus and newborn
HDF	-	Hemolytic disease of the fetus
RBCs	-	Red Blood cells
Rh	-	Rhesus
IgG	-	Immunoglobulin G
CVS	-	Chorionic villus sampling
MCA	-	Middle cerebral artery.
SD	-	Standard deviation
FMH	-	Feto maternal hemorrhage
ICT	-	Indirect Coomb's test
NICU	-	Neonatal Intensive Care Unit
OPD	-	Outpatient department
KAHER	-	KLE Academy Of Higher Education and Research
KLE's	-	Karnataka Lingayat Educational Society

ABSTRACT

BACKGROUD AND OBJECTIVES

Hemolytic disease of fetus and newborn results from alloimmunization due to exposure of RBCs antibodies during pregnancy as these antibodies may cross the placenta. Routine antibody screening is advicable in all pregnant women irrespective of their Rh status, to detect all the antibodies which are responsible for HDFN. In developing countries like India there is limited data available on prevalence of RBCs antibodies in pregnant women therefore present study was conducted to know the prevalence of RBCs alloimmunization in pregnant women and their associated maternal and fetal outcomes.

METHODOLOGY

– A one year prospective study was conducted in the department of Obstetrics and Gyanecology at KLE's Dr Prabhakar Kore Charitable Hospital and Medical Research center Belagavi from January 2018 to December 2018.

RESULT

There was 1597 pregnant women enrolled in the study. The prevalence of irregular antibodies was 1.3% of pregnant women who attended the antenatal care. The prevalence of antibodies in Rh negative women was 0.75% while in Rh positive women was 0.56%

CONCLUSION

The prevalence of RBCS antibody was 1.3% was similar to other studies. Anti-D still was the most common antibody identified in the present study. Other non anti-D antibodies detected were anti-Kell, Anti-C ,E , anti-Le^a, anti-Duffy in the present study. In developing countries like India, universal antenatal antibody screening , though desirable may not be justified at present as the cost and infrastructure required would be immense. However , it is necessary to impose properly formulated protocols to screen at least the pregnant women with adverse obstetric history.

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INTRODUCTION

In 1901, discovery of the first human blood group system ABO was a great achievement in the history of human biology by Karl Landsteiner. A rational approach to blood transfusion became possible after his discovery. Landsteiner and Weiner in 1940 injected red blood cells from rhesus monkeys into the rabbit to discover Rh factor [1]. After this discovery Levine, in 1941 confirmed the etiology of erythroblastosis fetalis [2,3], a condition in which the fetus becomes edematous and often dies in the uterus from severe anemia, because of maternal Rh alloimmunization due to placental transfer of IgG antibodies which causes fetal red cell destruction.

Nearly half a century later, the next advance was the introduction of serological technique permitting the detection of incomplete antibodies, which are IgG antibodies that sensitize RBCs. Exposure to unknown red cell antigens invariably results in the formation of anti-red cell antibodies and is known as Red cell alloimmunization / Isoimmunization. Many studies have shown that a large proportion of these irregular antigens have limited ability to stimulate antibody production. This is actually a privilege, otherwise multiple blood transfusions or pregnancies would be dangerous. In spite of this, Hemolytic disease of the newborn (HDN) occurs about once in every 100 births [4]. The most common cause of isoimmunization are ABO and Rh antigens. The successful management of Rh-D isoimmunization and comparative mild nature of ABO isoimmunization has brought attention to atypical or irregular RBCs antigens and their antibodies, that is other Rh and non-Rh blood system antibody related with HDFN[5]. These atypical antigens or irregular RBCs antigens are distinct proteins found on the RBCs surface that can initiate an immunogenic response in individuals lacking these antigens. Maternal

sensitization most commonly occur due to feto-maternal hemorrhage (FMH) which occur following or during delivery, ruptured ectopic pregnancy, spontaneous or induced abortion, invasive obstetrical technique like amniocentesis and CVS. During this course of pregnancy and subsequent pregnancies alloimmunization response to fetal antigens, produce antibodies that cross the placenta and result in hemolysis of fetal RBCs and anemia and can further lead to dangerous complication for the fetus. The various fetal manifestation as per severity of the disease are immune hydrops fetalis, icterus gravius neonatorum and congenital hemolytic anemia in newborn. These above conditions based on the degree of anemia range from mild to severe associated with jaundice, hyperbilirubinemia. In cases of severe hemolysis, it results in extramedullary hematopoiesis and clearance of fetal erythrocytes by reticuloendothelial system causing hepatosplenomegaly, liver dysfunction, hypoproteinemia, ascites, and anasarca. When accompanied with high cardiac output and pleural effusion this condition is known as erythroblastosis fetalis [7].

A decline in the incidence of Rh-D isoimmunization, has increased the relative frequency of irregular or atypical antibodies detection during serum antibody screening of antenatal women[5]. Most of these antibodies are responsible for causing severe HDN. A hemolytic disease due to irregular antibodies like Kell, Duffy, Kidd, MNS blood system are hence at a rise and severe forms result in perinatal death[6]. Among these the Kell blood group system antibodies are most frequent and dangerous antibodies. Because of this, it is important for all the pregnant women irrespective of their Rh status to be screened at least once in pregnancy for clinically significant alloantibodies. The presence of these antibodies alerts the obstetrician to determine the severity of the hemolytic disease of the newborn caused by these antibodies. The management of the alloimmunization in pregnancy comprises of maternal antibody

titer, the fetal MCA Doppler, amniotic fluid bilirubin concentration and fetal blood sampling [7].

The purpose of current study was to know the prevalence of anti-red cell antibodies irrespective of their Rh status in pregnant women, attending antenatal visit in KLE's Dr Prabhakar Kore Charitable Hospital and to assess the perinatal outcome in these women.

OBJECTIVE OF THE STUDY

1) Primary objective – To determine the prevalence of red cell alloimmunization among antenatal women.
2) Secondary objective- To assess the perinatal outcome with presence and absence of RBCs antibodies.

REVIEW OF LITERATURE

Isoimmunization historical aspects

Immune hydrops fetalis or erythroblastosis fetalis is the most severe manifestation of the isoimmunization which is defined as accumulation of extracellular fluid in two or more fetal compartments representing excessive and prolonged hemolysis of fetal red cells. It's a dreadful complication representing the end stage of fetal anemia in HDFN.

Over a period of 30-40 years, the pathogenesis, treatment, and prophylaxis of erythroblastosis fetalis have been explained. Within this time span, it evolved as a clinical entity and its pathophysiology was discovered and the method for prevention was developed and implemented[4].

Historic years

In 1609, the first hemolytic disease of newborn was reported, in spite of fact that the Rh system was not described until 1940. In 1932, Diamond et al[8] found that fetal edema, neonatal hyperbilirubinemia, and neonatal anemia were associated with erythroblastosis fetalis. In 1930's four conditions which includes hydrops fetalis, icterus gravis neonatorum, congenital anemia and erythroblastosis fetalis were considered as a single clinical entity [9]. Darrow[10] proposed that above conditions were due to the transfer of maternal antibodies across the placenta which further leads to destruction of fetal erythrocytes.

In 1939, Philip Levine discovered a new blood group called Rhesus by his observation of a case where a 25 years old mother during her second pregnancy had PPH. Both couples were O blood group and the husband's blood was used for blood transfusion, following which the mother suffered a severe transfusion reaction. Thus, concluded that there might be a blood group antigen that was previously undiscovered present on the husband's RBCs, but absent on the mother's RBCs leading to the formation of antibodies against the new blood group antigen [9]. In 1940 Lewine[11] explained the pathophysiology of Rh - isoimmunization and the course of hydrops fetalis. This was possible only after the Rh antigen was discovered by Karl Land Steiner. In late 1960 Finn et al [12] found that maternal sensitization could be prevented by giving 300-400 µg of human anti-D globulin intramuscular to the mother. In 1961, Liley and his colleagues helped to explain about the effect of the disease and possibility of treatment in utero. This work of Liley was the dawn of the new era and many alloimmunized women saw the hope of having a child. In 1963, Liley proved the theory which he explained in 1961 after the first successful intrauterine transfusion, a means by which one could treat the disease in utero. By doing this, it was possible to prolong the intrauterine life of the fetus and further decline the morbidity and mortality of premature deliveries. In 1964 Bevis and Liley found that amniotic fluid analysis was possible with spectrophotometry and with the advent of this, follow up of the affected fetus in utero, predicting the severity of the disease at birth and appropriate time for delivery was possible. The first foetal intravascular transfusion (IVT) using foetoscopy was successfully done. Bang achieved this fetal intravascular transfusion using an ultrasonically guided needle which was easier and safer to perform [9]. The advent of non invasive testing of fetal anemia with middle

cerebral artery (MCA) doppler has now replaced serial amniocentesis for spectrophotometric analysis.

Pathogenesis:

Hemolytic disease of the fetus and newborn, is an alloimmune condition that occur because of maternal isoimmunization. Isoimmunization is a process by which antibodies are produced in a person against an antigen from another person of same species. The HDFN to occur, fetus must be positive for an antigen that the mother does not have , these fetal antigens cross the placental barrier and enter into the maternal circulation results in formation of antibodies, which may result in fetal red blood cell hemolysis by immune response , after entry the fetal circulation. This immune response is varies with individual which divided into 3 category, defines as follow:

a) Responders – comprises 60 %to 70%, who develops an antibody to relatively small volumes of antigen exposure , in such cases immunization probability increases with escalating volumes of cells containing antigens.

b) Hypo-responders – comprises 10%to 20% who immunized only by exposure to very large volumes of antigen containing cells.

c) Non- responders - 10% to 20%

During pregnancy or after delivery , FMH results in isoimmunization. The size and frequency of fetomaternal hemorrhage and individual responsiveness to the immune system all together contributes whether woman will become sensitized or not for isoimmunization. For immunogenic capacity, a volume of 0.1-0.5 ml feto-maternal hemorrhage is required. Thereafter with very small booster volumes (<0.1

ml) of FMH is enough to stimulate the production of antibodies.[13] HDN is either due to Rh or ABO incompatibility[7] in 98% of cases and 2% of cases are because of irregular or minor antibodies , so it is important to screening on all antepartum blood to look for irregular antibodies along with ABO and Rh typing . The antibody responsible for isoimmunization is IgG antibody as it actively transported through the placental interface. During first trimester, very small amounts are found in the fetus but thereafter the levels increases constantly with most rapid increase in the third trimester. The concentrations of IgG is higher in cord blood than in maternal blood at term [17].

BLOOD GROUP ANTIBODIES

Red cell antibodies are of two types -

1) **Natural antibodies** which are normal occurrence in the plasma. Natural antibody usually IgM type, which includes anti-A type and anti-B type

2) **Immune antibodies** which develops, in response to exposure to the foreign antigens. Immune antibody usually IgG, include Rhesus (Rh) antibody.

IDENTIFICATION OF RBCs ANTIBODY- Antibody identification studies determine the specificity and significance of RBC antibodies. This information is important while selecting the donor units for transfusion and for monitoring potential cases of hemolytic disease of the newborn. Majority of the patient samples contains either single irregular alloantibody which is simple to identify , or multiple RBC antibodies which is difficult to identify and require a great deal of time and expertise on the part of the investigator[20].

There are various methods of detecting red cell antibodies.

1) The Saline agglutination test.

2) Tests using enzyme treated cells.

3) The albumin agglutination test.

4) The indirect antiglobulinCoombs (ICT) test.

On the basis of antigen antibody reactions in above tests, the antibodies may be classified as either complete or incomplete antibodies[21,22].

INDIVIDUAL BLOOD GROUP SYSTEM

ABO BLOOD GROUP SYSTEM - In year 1901, an Austrian pathologist, Landsteiner combined the RBCs and serum of people , he observed some reactions in test tubes, from this , he found the ABO blood grouping system. A individual's ABO blood type - A, B, AB, or O blood group is based on the presence or absence of the A and B antigens on his RBCs. The AB blood type has both A and B antigens, and the O blood type has neither A nor B antigen while the B blood type has only the B antigen and the A blood type has only the A antigen. The ABO blood types varies between racial groups, O blood group is the prevalent more and AB blood group is the prevalent less [10] . ABO incompatibilities are the cause for dreaded blood transfusion reactions. That is the reason ABO typing is the first test done, when it is tested for transfusion. ABO compatibility is also important for organ transplants as ABO antigen are present on body organs.

CDE (RHESUS) BLOOD GROUP SYSTEM- In 1940 by Landsteiner and Wiener first detected the Rh, or Rhesus, system by injected blood from rhesus monkeys into guinea pigs and rabbits. Many antigens have come across belonging to this blood system, which makes this red blood cell antigen system[9] more complex .Antibodies to Rh antigens are not present naturally unlikely the ABO system. These develop by an immune response when exposure to antigen after the blood transfusion or during pregnancy by FMH. The frequency of the Rh antigen varies among different countries and ethnic groups [9]. It is 16% in North American and European caucasians, 8% in African Americans, 5% in Indians , 4-6% in Africans, 0.5% in Japanese and 0.3% in Chinese. During transfusions, after ABO blood grouping, the Rh typing is most important .Rh - negative individual who receive ,Rh - positive blood cause of these anti-D antibodies to generate and may results in a severe or fatal blood transfusion reactions. Rh incompatibility is the most common and severe cause of HDFN. These RBC's antigens are of considerable clinical importance because majority of the individuals who lack its major antigenic determinant, the D antigen become alloimmunized after a single exposure. Destruction of fetal RBC's due to Rh isoimmunization causes anemia, jaundice , hydrops fetalis , which continues during intrauterine life. The primary response of isoimmunization due to the D antigen occurs over a period of 6 weeks to 12 months. The first pregnancy is usually unaffected because it consist predominantly consisting weak antibodies that is IgM that does not cross the placenta . After subsequent antigen exposure , generates an amnestic response that is both rapid and almost exclusive formation of IgG antibodies . The more the time between the exposure , the greater the increase in both the quantity of antibody and the avidity with which it binds the RBC's. These feature increases

the risk of severe HDN .The occurrences of maternal sensitization to Rh antigens is reduced due to the regular use of Rh- immune globulin. Hence, relatively the clinical importance of irregular RBC's antigen sensitization is reported to account for 5% of all neonatal immune hemolytic disease.

In 90/1000 pregnancies, will have a Rh positive fetus and an Rh negative mother while the incidence of HDN has been found to be 6-7 / 1000 births. With the advent use of prophylatic anti-D gamma globulin programme, both antenatal and postpartum, incidence of Rh isoimmunization has fallen from 15% to 1.5%[19]. However women are still becoming immunized to Rh-D antigen due to following reasons.

1) Failure to receive the Rhesus immunoglobulin injection, after every sensitization event in pregnancy and the birth of a Rh-D positive neonates.

2) Women are sensitized by small hemorrahage from the fetus, usually in the last 12 weeks of pregnancy which go undetected many times.

On an average, the incidence of Rh isoimmunization found to be more in multigravida women. One of the contributory factors for this incidence is either due to transplacental FMH or development of anti-D during antenatal period. This challenges that obstetrician towards eradication of Rh isoimmunization.

Non anti-D antibodies in red cell alloimmunization

Most of the people are familiar with the Rh system as it is important cause of hemolytic disease of fetus and newborn. The prevalence of Rh-D sensitization is falling in trend, therefore non Rh blood group system antibodies such as Kell (K), MNS and Kidd (Jka) , Duffy, Lewis increasing in trend and various studies have

proven their clinical association with HDFN [6]. Red cell alloimmunization secondary to non Rh blood group systems antigens continue to be a problem because prophylactic immune globulin is not available to prevent against these antigens.

KELL- Kell RBCs antigen system consist 24 antibodies. Among these, 8 antibodies have been assoicated with HDN. Coombs discovered the Kell blood system in 1946, by obtaining an antibody in the serum of Mrs. Kell who had given birth to a child who was suffering from hemolytic disease[23] .Various Kell antibodies and their historic aspects has been explained in various studies[9] .Antithetical anti-k (Cellano) was found in 1949, anti-Kp^a (Penney) in 1957 anti-Kp^b (Rautenberg) in 1958[25] and the rare phenotype Ko, where the individual is devoid of all Kell antigens, was discovered in 1957[24]. Secondary to anti-K the severe hemolytic disease with hydropic stillborns has been reported. Genotype of Kell antigen depend on paternal typing , if paternal is K1 negative (kk) , no further testing is required . If paternal test shows presence for K1 further maternal testing is required. Hence genotype testing is the primary step in the management of Kell disease. In case of Kell antibodies a titer of 1:8 is clinically important than 1:32 which alert the obstetrician to start diagnostic invasive testing. Aminocentesis is not reliable for bilirubin estimation in case of this antibody test for fetal anemia.

MNS- In 1927 the M and N antigens were reported by Landsteiner and Levine[29,30] . This system includes 40 red-cell antigens which are associated with HDN. The N & M expressed simunltsneously on glycophorin most of these being heterozygous in paternal genotype. Mostly anti-M is naturally occurring IgM antibody and are not associated with HDN while IgG antibody occurrence is relatively less and related with HDN.

Anti-N - The serological characteristics of Anti-N are similar to Anti-M typically presents as IgM or IgG saline agglutinin that does not bind complement or react with the enzyme treated red cells. Anti-N is not clinically significant causing HDN. It is only been implicated with the rare cases of the hemolytic new born [31].

DUFFY antibody - The Duffy antigen blood system includes of 2 antigens that is Fy^a and Fy^b. Inherit is by codominant allelles resulted into 4 phenotypes. Amongst these, Anti-Fy^b antibody does not cause hemolysis. Catbush[33] first reported the Duffy system. In 1956, Baker described the first case of hemolytic disease of the newborn secondary to Duffy (Fy^a)[32]. Weinstein and Taylor reported severity of HDN by Duffy antigen who, in reviewing the literature, found a 16 percent neonatal mortality and a 32 percent exchange transfusion rate among the affected infants[34]. The mother had a positive transfusion history in more than half of the cases reported. There is no case report of HDN secondary to anti-Fy^b, may be because it is a much weaker antigen than anti-Fy^a. Serial amniotic fluid analyses are indicated to decrease the high neonatal mortality associated with Duffy system as Greenwalt[7] proven there was no correleation between maternal anti Fy titre strength of the direct Coombs and the severity of HDFN disease.

KIDD BLOOD GROUP SYSTEM- In 1951 , the Kidd system was recognized through a case report of a mother with a negative transfusion history who gave birth to an infant with mild hemolytic disease due to anti-Jk^{a35} . In 1953[36] the antithetical anti-Jk^b was reported by Plaut. The phenotype Jk^{a-b} described by Pinkerton found in a Filipino, though phenotype being quite rare and never found in a European or in Black[37] population .

LEWIS BLOOD SYSTEM- The uniqueness of this Lewis blood group system in that it is not originated by the red blood cell as these antigens are found on tissue cells and released into body fluid. In 1946, Mourant described the antibody anti Le^a which agglutinated the RBCs of 22 %of Europeans[38] .In 1946[39] the antithetical anti-Le^b was described by Andersen. Lewis antibodies are not known to cause hemolytic disease of the newborn[40] stated by Mollison as most of these antibodies belong to IgM class and will not react with the red cells of the newborn, as cord blood is negative for the Lewis antigen because it is tissue acquired type of antibody. The case of HDN due to Lewis[41] have been reported by Kelsall and Vos .The case is that of a baby born at 36 weeks gestation who became progressively jaundiced until the day sixth of life, when the icterus began to spontaneously resolve. The cord blood demonstrated that the icterus was caused by anti-Le^b and one is still correct in assuming that Le^a and Le^b antibodies are not a cause of HDN.

LUTHERAN BLOOD GROUP SYSTEM- The Lutheran system includes antigens Lu^a and Lu^b . The Lu^a was described by Callender and Race and the Lu^b by Catbush and Chanarin[42]. Anti-Lu^a and anti-Lu^b have been associated with mild HDN requiring no treatment. The mild nature of the disease in the neonate has been explained by the fact that the Lutheran antigen on the fetal cell is not fully developed. It does appear that the pregnant woman who is sensitized to this system requires only conservative management for good fetal outcome.

DIEGO BLOOD GROUP SYSTEM- Layrisse was a Venezuelan woman who gave birth to a child affected by mild hemolytic disease due to anti-Di^a described the Diego blood system. In South America, this antigen was found to be common with 36 % being positive while 5-15 % of Orientals being positive[43] .The antigen is considered to

be characteristic in the Mongoloid population and is very rare in white or black population . Both antibodies, anti-Di^a and anti-Di^b in this system have caused HDN. Both mild and moderate to severe HDN cases has been reported secondary to anti-Di^b. As the small number of cases have been reported, one can only speculate as to the feasibility of amniotic fluid studies, but with the cases of moderate to severe disease, the literature says that this should be included in the management of these patients[44.]

Xg BLOOD GROUP SYSTEM- The Xg system is unique as the relevant genes are carried on the X chromosome. Literature shows that only one case of hemolytic disease caused anti-Xg^a has been reported till now . It is unusual in the women developing an autoimmune reaction anti-Xg^a against her own Xg^a cells.

P BLOOD GROUP SYSTEM- Antibodies are commonly present in this system, not associated with HDN , except for one that is anti-PP1Pk, previous known as anti-Tja. This anti Tja antibody has been associated with mild to moderate to severe HDN. Therefore, amniotic fluid studies are necessary when this antibody is present[45] .

The incidence of alloimmunization varies greatly among population. There have been studies which have reported the significance and incidence of irregular antibodies in pregnant women [12, 19, 21, 60,61,62,63,64.]

In 1967 Pirofsky during a 4 year period[59] , concluded that in 390 cases irregular antibodies were present . Among these 16.7 percent were being related to the non Rh system. Polesky screened 43,000 women and resulted that 2460(5.7%) were isoimmunized, among these (4.7%) with Rh antibodies and 436 (1.0%) with irregular antibodies[61] .

By screening of 18,378 women over a eight year period Queenan (1969) reported with 574 patients (3.1%) showing isoimmunization[47]. among these antibodies 387 (2.1%) antibodies were belonged to the Rh system and 242 (1.3%) were irregular antibodies. Risk factors among the women positive for these antibodies was history of blood transfusion was nine times that of the general obstetrical population [60].

Pepperell et al (1977)[19] reported on the basis of 10 years period by screening of 72,138 women there were 1101 (1.5%) antibodies related to the Rh system and 366 (0.5%) were irregular antibodies. In 1968 Bowman compared the incidence of these antibodies in gravid women to that of transfusion recipients[54] to explain the correlation between the two. This study concluded a three-fold increase in antibody production in the gravid women as compared to transfusion recipients which was attributable to transplacental immunization. Out of the 4653 women, 179 (3.8%) had antibodies, among these 27 (0.6%) having irregular antibodies of the Lewis, Kell, Duffy, M and Kidd blood group systems.

A Nationwide case control study was performed in 2004 to know the risk factors for these alloimmunization. A total of 1002 pregnant women were enrolled in this study. The various risk factors were identified like blood transfusion (OR 16.7),parity index >2 (OR 3.2) ,hematological disease (OR2.1),history of major surgery (OR 1.4),caesarean section (OR1.7), and concluded that RBC transfusion is most important independent risk factor for non Rh-D alloimmunization in pregnancy[62.]

A study was conducted in Delhi by Sangeeta Pahuja et.al in 2008 on 3577 multigravida women. The overall prevalence of alloantibodies was 1.25%. A statistically significant difference between alloimmunization rate in the Rh positive women and Rh negative women was observed[65].

A study was conducted in Uganda by Bernard Natukunda et.al[69] in 2010 on 2001pregnant women. The alloimmunization rate was 2.2% in this study.Anti-D was the most common antibody detected in the study.

In the study which was conducted in 2013 to find out the prevalence of minor alloantibodies only among Rh positive women , the prevalence was 2.7% . Anti E was the most frequent antibody detected accounting to 38%. Other antibodies like anti-c, anti-Kell were also identified. Jaundice was the most common neonatal complication (53%) observed in the neonates [63].

A study was conducted in Triupati by Suresh et al[66] conducted in 2013, on 2060 pregnant women. The prevalence of alloantibodies was 1.1%. Anti-D, anti-C, anti-E, anti-M, anti-Le were the antibodies detected in the study population.

A study was conducted in Navsari District by Manoj Kahar[71] in 2016 to know the prevalence of red cell antibodies in pregnant women. The prevalence of alloantibodies was 1.02%.

METHODOLOGY

Source of data and materials

All pregnant women = >28 of gestation attending antenatal clinics as outpatients or inpatient as admitted in labor room and maternity ward at the KLE's Dr Prabhakar Kore Hospital belgavi was screened .

Method of collection of data

a) Study design:

A cross-sectional study.

b) Study Setting:

KLE's DR. Prabhakar Kore Charitable Hospital attached to KAHER's JNMC, Belgaum.

c) Study period:

January 2018 – December 2018.

d) Study duration:

1 year.

e) Study Population:

All pregnant women => 28 weeks of gestation attending antenatal clinic as OPD or admitted in labour room and maternity wards at KLE's DR. Prabhakar Kore Charitable Hospital attached to KAHER's JNMC, Belgaum.

f) Sample size:

Sample size: approximate sample size 500 by absolute method

n = Z2pq/ d2

= (2.58)^{2}x 2.70 x 97.30 / (2)2

= 437

n is sample size

p=2.7

q=1-p

Level of significance=99.

Precision =d= 2 (absolute error)

Z=2.58

Significance will be set at 5% level (P<0.05).

Statistical analysis – Descriptive statistics analysis done which includes range, mean, standard deviation, percentage and chi- square test and stastically significant correlation by p value.

g) Selection Criteria:

Inclusion criteria:- All pregnant women =>28 weeks of gestation attending OPD, admitted in labour room , maternity ward were included in the study

Exclusion criteria : Women who have received anti-D prophylaxis in the current pregnancy

h) Ethical clearance: Before the commencement of the study, the ethical clearance was obtained from the Ethical and Research Committee, Jawaharlal Nehru Medical College, Belagavi

Annexure III- Letter number MDC/DOME/60 Dated 22/11/2017

Methodology:

This was a prospective study conducted in the department of Obstetrics and Gyanecology in KLE Dr Prabhakar kore hospital and Medical research center Belagavi , over a period of one year from Janurary 2018 to December 2018 . In the study 1597 pregnant women were enrolled who presented to OPD and admitted to labor room and maternity ward at 28 or more weeks of gestation were randomly screened except those women who have received anti –D prophylaxis in current pregnancy to know the prevalence of red cell alloimmunization in both Rh negative and Rh positive women.

Blood sample was collected into Plain bulb and sent to blood bank . All the samples were centrifuged at 2000rpm for 5 minutes and plasma separated and stored at -20 degree celsius.

ABO blood grouping and D typing was performed using tube method . unexpected antibodies were screened using a commercial 3 call antibody panel test. Specific antibody identification was performed on sample found positive using a commercial 11 cell panel kit.

Each women obstetrics history noted like past history of spontaneous and induced abortion , history of ruptured ectopic pregnancy , history of Intrauterine fetal death, history of neonatal death, history of anomalous baby, history of blood transfusion have been noted

Perinatal outcome was assessed for weight, live birth or still birth, number of NICU admission and causes of NICU admission . Blood tests was done to know the hemoglobin level and the bilirubin level in the newborns.

Comparison of categorical data between antibody positive and antibody negative women was done using Chi-square test or P value. Demographic and clinical variables were recorded as percentage (%).

RESULTS

- Red blood cell antibody screening was done in 1597 antenatal women attending the OPD care and admitted in labor room at KAHER Dr. Prabhakar Kore charitable hospital Belgavi from January 2018 to December 2018. The descriptive statistics are as follows

Table 1 - Distribution according to maternal age

Maternal age (years)	n	Percentage %
<20	38	2.4
20 - 30	1502	94.0
31- 40	57	3.6
Total	1597	100

In present study women enrolled were between 20 to 40 years of age with a mean SD age of 23.85±2.8 years. 38 women were below the age of 20 years. Majority of women i.e. 96.5% of women screened were in the age group of 20-30 years and remaining 3.6% of women were above 30 years.

Figure 1: Distribution according to maternal age

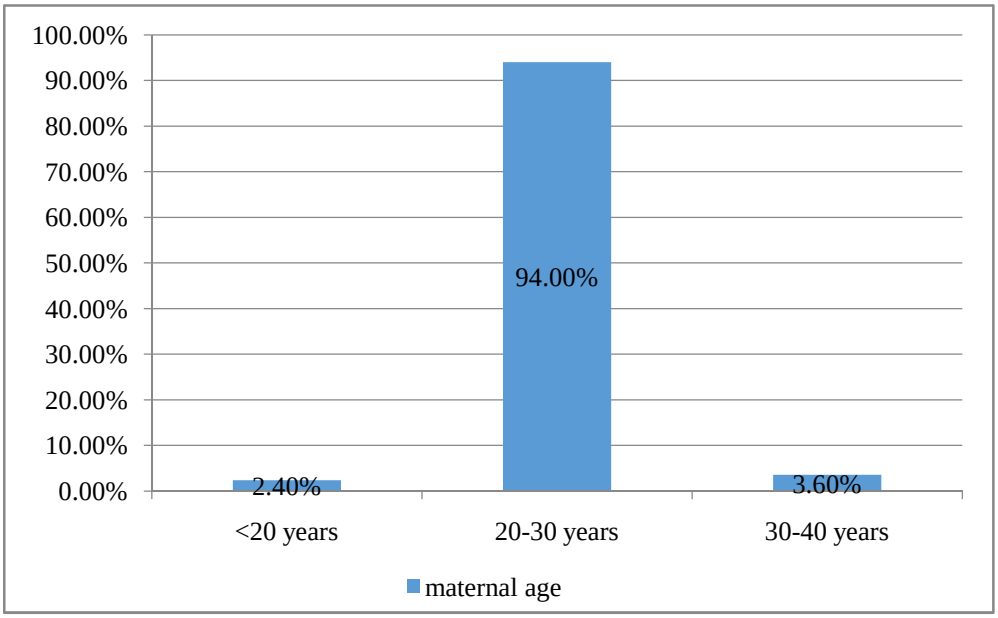


Table 2- Distribution according to Gravidity index

Gravidity	n	Percentage %
Primigravida	513	32.12%
Multigravida	940	58.86%
Grandmultigravida	144	9.02%
Total	1597	100

The gravidity index of women range from 1- 7 , with 37.12% of women were primigravida while multigravida were 67.93% . Among multigravida, 9.02% of women were with gravidity index ±4 .

Figure 2- Distribution according to Gravidity index

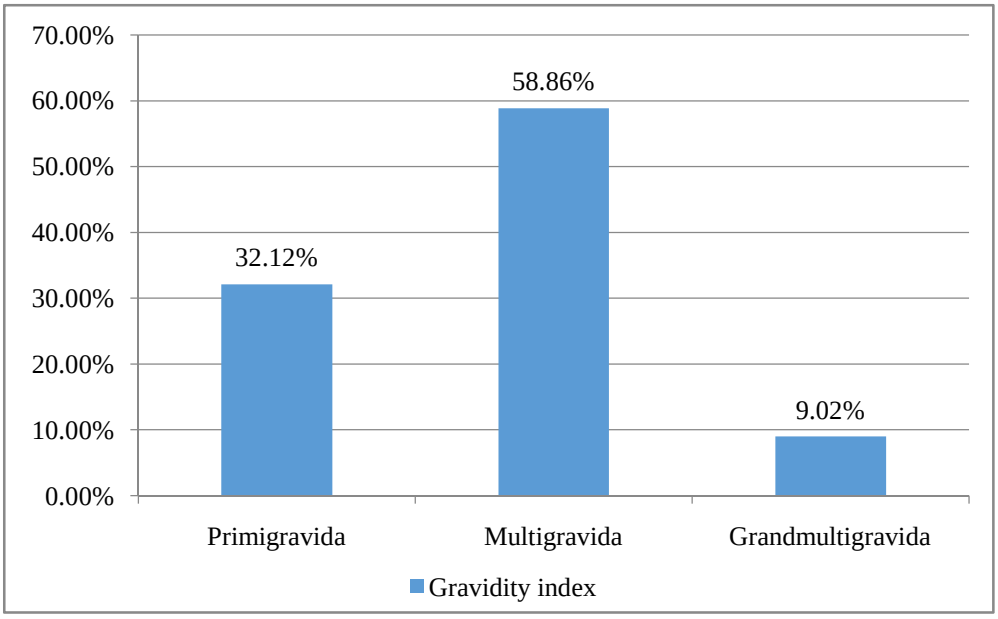


Table 3- Distribution according to gestational age

Weeks	n	Percentage %
28 – 36.6	667	41.7%
37-39.6	892	55.85%
40-41	38	2.45%
Total	1597	100

The gestational age of the women ranged from 28 weeks to 41 weeks with a mean SD 36.54±3.26 weeks. As shown in the table 5a, 41.7% of women were preterm (28-36.6weeks) while 58.15% of women were term gestation (37-41 weeks). Among term gestation, 2.45% of women were postdated i.e. 40-41 weeks of gestation.

Figure 3- Distribution according to gestational age

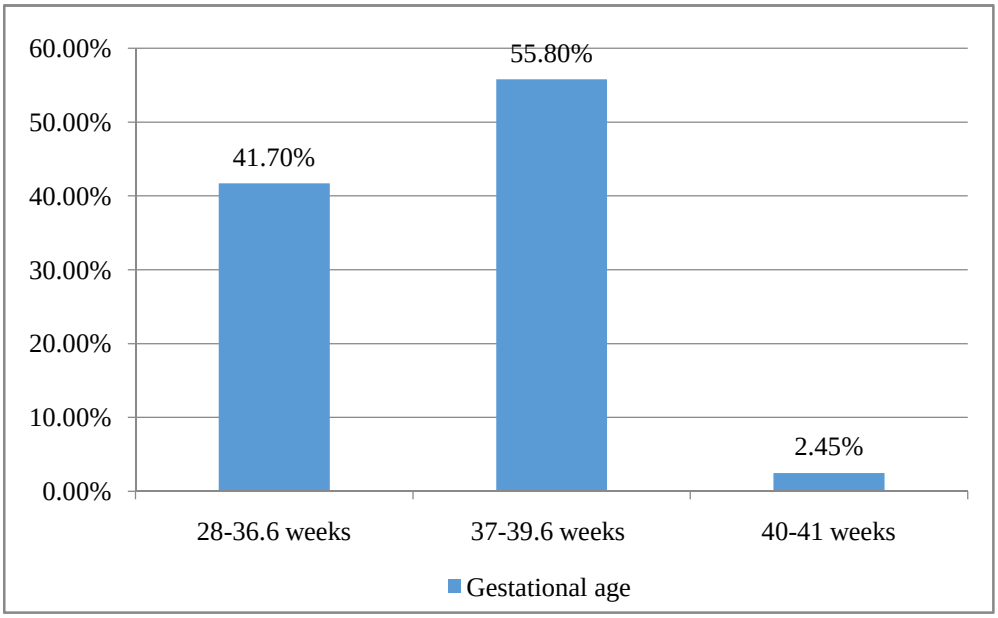


Table 4 -Distribution according to ABO and Rh typing

Blood Group	n	Percentage %
A+ve	326	20.4
A-ve	38	2.3
B+ve	378	23.6
B-ve	53	3.3
AB+ve	64	4.0
AB-ve	15	0.9
O+ve	657	41.1
O-ve	66	4.4
Total	1597	100

Incidence of Rh negative women was 10.7% while incidence of Rh positive women was 89.2% in our study. The commonest blood group identified was O (45.2%) followed by B (26.9%) and A (22.7%). The least common blood group was AB negative (0.9%) .

Figure 4 -Distribution according to ABO and Rh typing

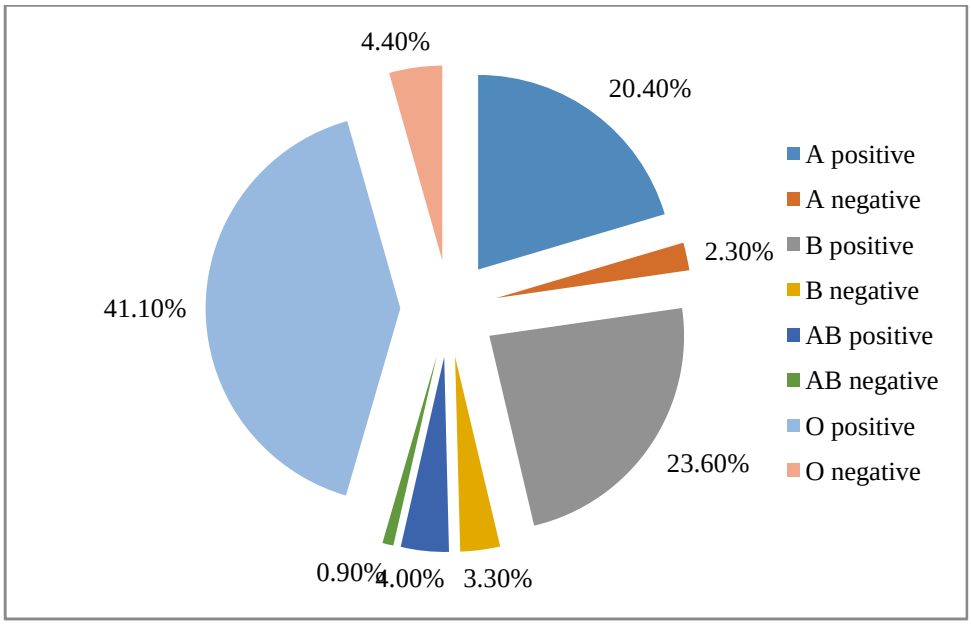


Table 5– Distribution of RBCs Antibody

RBC Antibodies	n	Percentage %
Present	21	1.3
Absent	1576	98.7
Total	1597	100

As shown by the present study, 21 (1.3%) womenwere positive for RBCs antibodies and 1576 (97.9%) women were negative for red cell antibody screening . Therefore prevalence of red cell alloimmunization in the present study was 1.3%.

Figure 5 - Distribution of RBCs Antibody

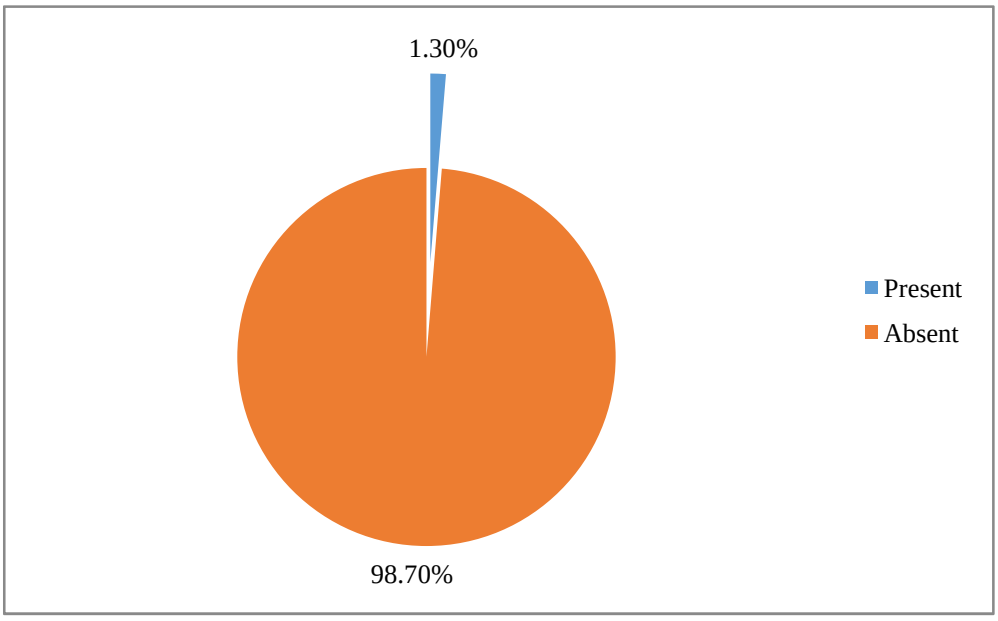


Table 6 – Correlation of positive RBCs antibody with gravidity

Gravidity index	RBC Antibody positive		RBC Antibody negative		P value
	n	Percentage %	n	Percentage %	
Primigravida	6	28.57	507	32.17	0 .0019
Multigravida	9	42.85	931	59.08	
Grandmultigravida	6	28.58	138	8.75	
Total	21	100	1576	100	

In present study, multigravida women who were positive for RBCs antibodies accounted to 42.85 % while those who were negative for RBCs antibodies accounted to 59.08% The chi-square is 14.85 . p-value is 0.0019 indicate statistically significant correlation between two groups with relation to gravidity index, suggesting presence of these antibodies are more common in multigravida .

Figure 6- Correlation of positive RBCs antibody with gravidity

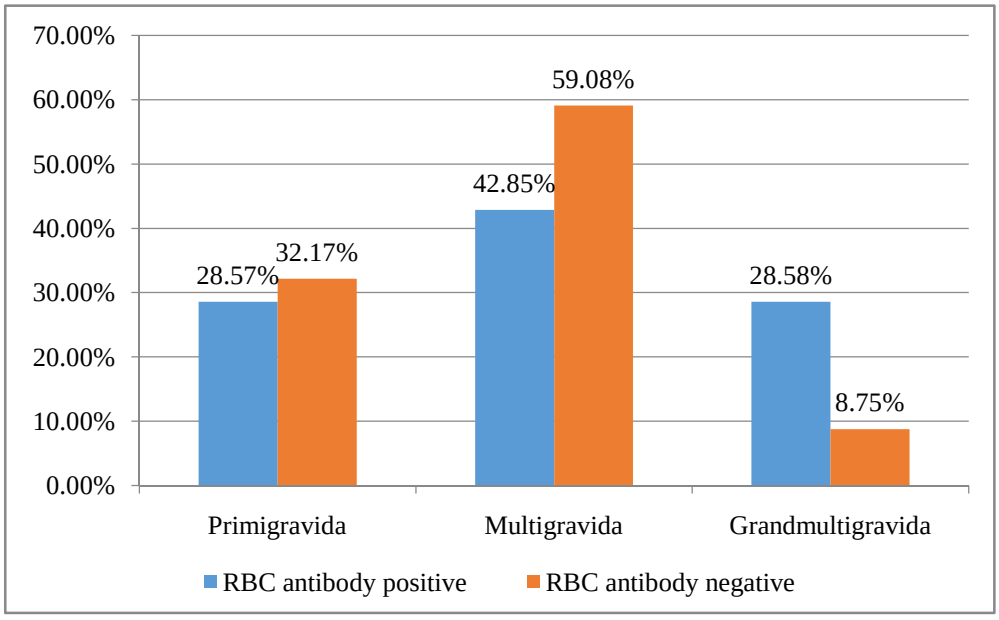


Table 7- Correlation of positive RBCs antibody in relation to gestational age

Gestational age (weeks)	RBC antibody positive		RBC antibody negative		P value
	n	Percentage	n	Percentage	
28- 36.6	11	52.38%	656	41.6%	0.001
37- 39.6	8	38.09%	884	56.0%	
40-41	2	9.53%	36	2.4%	
Total	21	100	1576	100	

There was significant difference between 2 groups with relation to the gestational age as shown in table 5b. In the antibody positive group, women screened were found to be more of preterm gestation i.e. 52.38% while in antibody negative group women screened were, found to be more of term gestation (37-41weeks) accounting for 58.4% .

Figure 7- Correlation of positive RBCs antibody in relation to gestational age

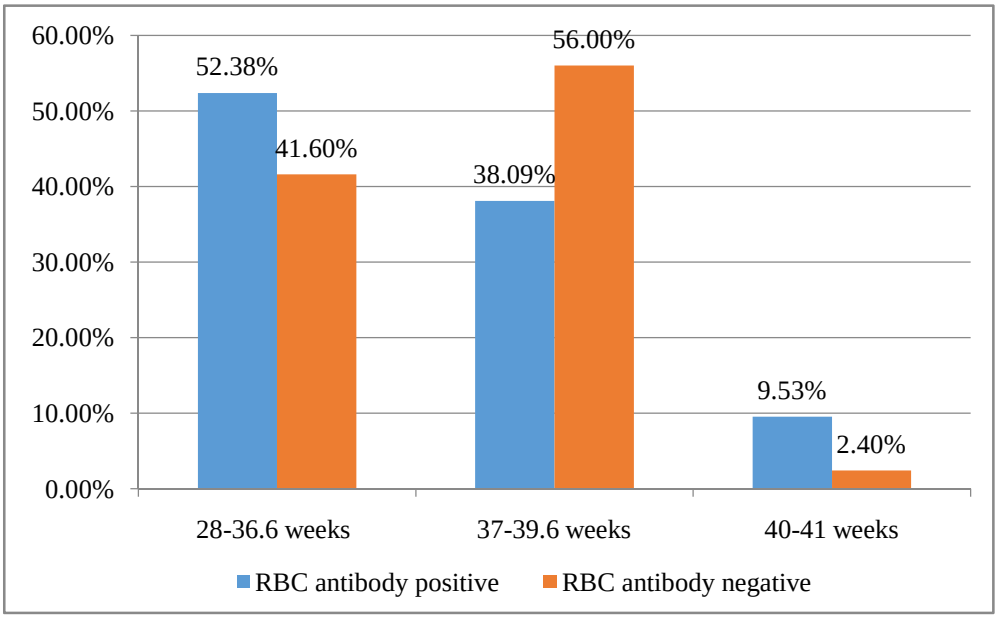


Table 8- Distribution of Rh typing in relation to RBC antibody

Rh type	Red cell Antibody positive		Red cell Antibody negative		Total	Percentage
	No.	%	No.	%	No.	%
Rh negative	12	6.9	160	93.1	172	100
Rh positive	9	0.68	1416	99.32	1425	100

12 out of 172 Rh negative women (6.9%) were positive for RBCs antibodies whereas 9 out of 1425 Rh positive women (0.68%) were positive for RBCs antibodies. The prevalence of red cell antibody in Rh negative women was significantly higher as compared to Rh positive women.

Figure 8 -Distribution of Rh typing in relation to RBC antibody

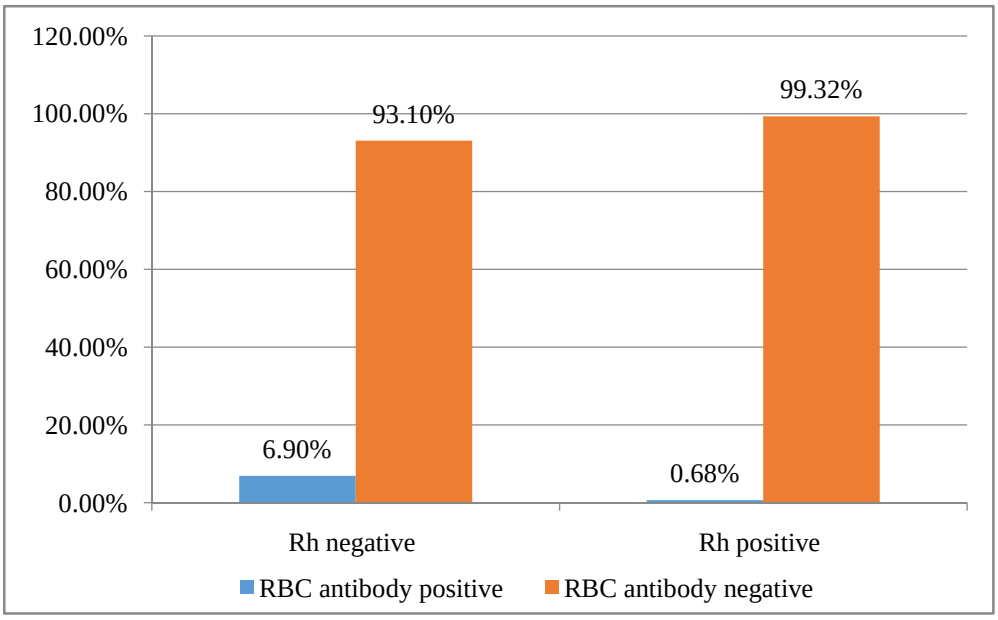


Table 9- Distribution according to types of Red Blood Cell antibodies

Antibody	n	Percentage %
Anti – D	7	33.3%
Anti – D, C	5	23.8%
Anti – M, anti- s	1	4.7%
Anti-Lea	2	9.5%
Anti –Kell	2	9.5%
Anti E	1	4.7%
anti C , E	2	9.6%
Anti Le , Fy	1	4.9%
Total	21	100

Figure 9- - Distribution according to types of Red Blood Cell antibodies

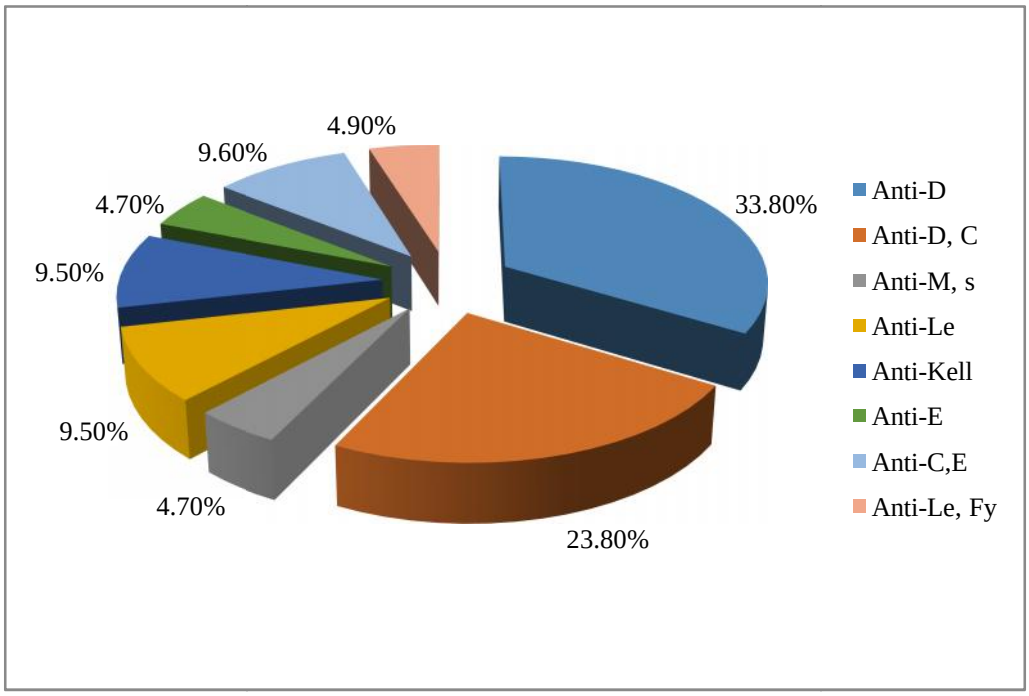


Table 10–Distribution according to the type of Red Blood Cell Antibodies in Rh negative women

Antibodies in Rh negative	n	Percentage %
Anti – D	7	33.3%
Anti – D, C	5	23.8%

In present study, anti-D was the most common antibody detected in Rh negative women accounting for 33.3% while anti-D, anti-C combination accounting for 23.8% found to be common among women positive for RBCs antibodies . These antibodies belongs to Rh blood group system.

Figure 10- Distribution according to the type of Red Blood Cell Antibodies in Rh negative women

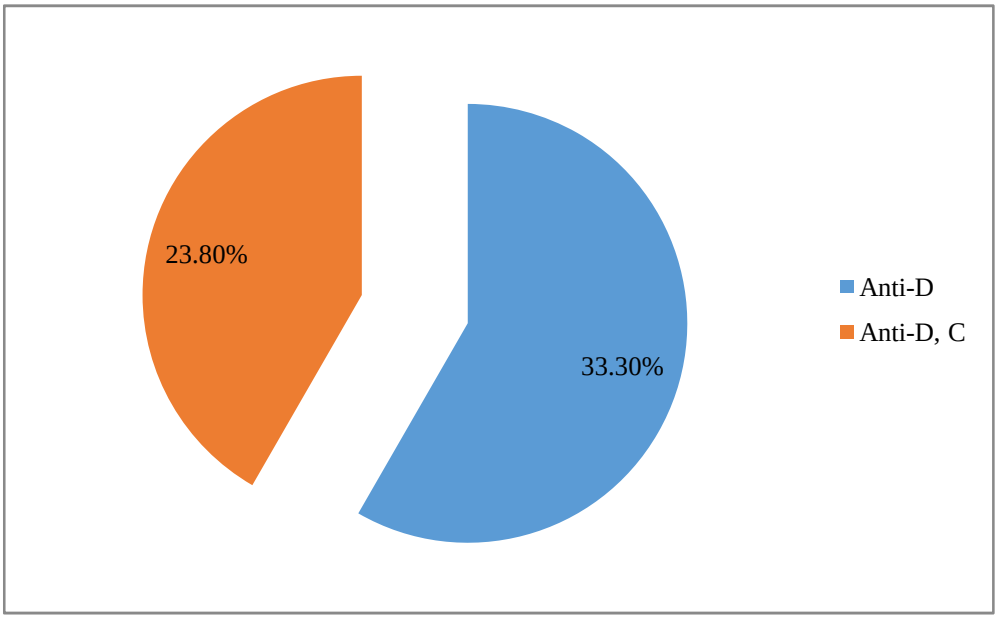


Table 11 – Distribution according to the type of Red Blood Cell Antibodies in Rh positive women

Blood system	Antibody	Frequency(n = 21)	Percentage (%)
Rh system	Anti-E Anti- E+Anti-C	1 2	4.7% 9.5%
Kell system	Anti -Kell	2	9.5%
MNS system	Anti-M, anti-s	1	4.7%
Lewis system	Anti-Le^a	2	9.5%
Duffy system +Lewis system	Anti-Fy +Anti-Le	1	4.7%

In Rh positive women various blood group systems antibodies were identified. The blood group system comprises Rh system Kellsystem, Lewis system , Duffy system and MNS system .

Among Rh system, anti-E antibody accounting for 4.7% while combination of anti-E+anti-C is accounting for 9.5% .

Kell antibody system includes anti-K i.e. 9.5% of women, while Lewis antibody includes anti Le^a in 9.5% of women . A Duffy antibody found in combination with Lewis antibody in 1 woman while remaining 4.7% of antibody belongs to MNS antibody system.

Figure 11- Distribution according to the type of Red Blood Cell Antibodies in Rh positive women

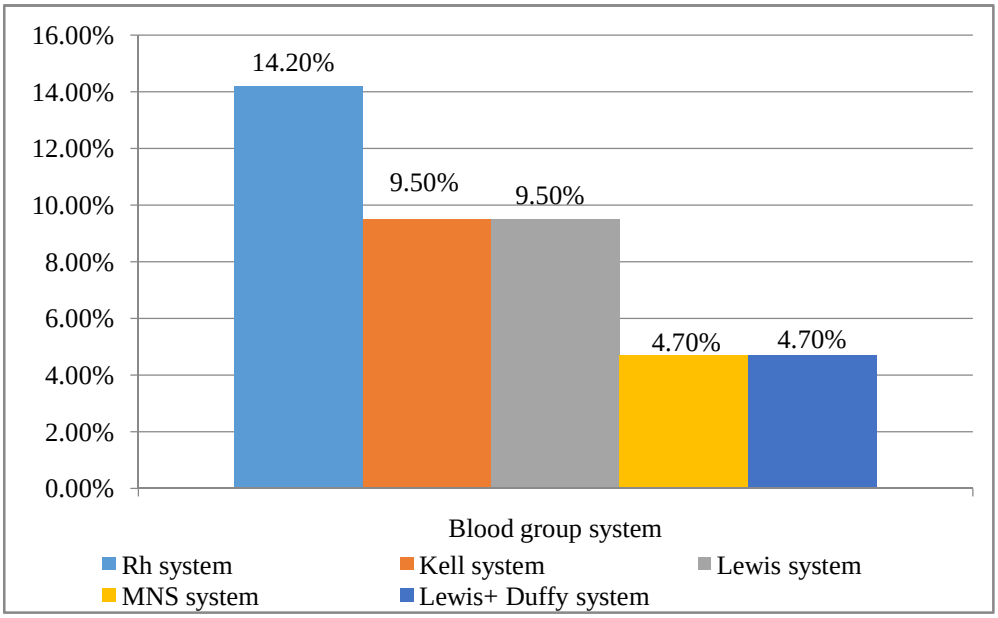


Table 12- Correlation of positive RBCs antibody with adverse obstetric history

	Antibodies detected		Antibodies not detected		P –Value
	n	Percentage %	n	Percentage %	
Adverse obstetric history present (N=261)	13	4.9%	248	95.0%	<0.0001
Adverse obstetric history absent (N=1336)	8	0.59%	1328	99.4%	

In present study , women with adverse obstetric history includes any history of spontaneous / induced abortions, ruptured ectopic pregnancy, previous history of still birth. 5.2% of women who had adverse obstetric history were positive for RBC antibodies while 0 .60% of women who does not had adverse obstetric history were also positive for RBC antibodies indicates a significant correlation between two groups in relation with adverse obstetric history.

Figure 12- Correlation of positive RBCs antibody with adverse obstetric history

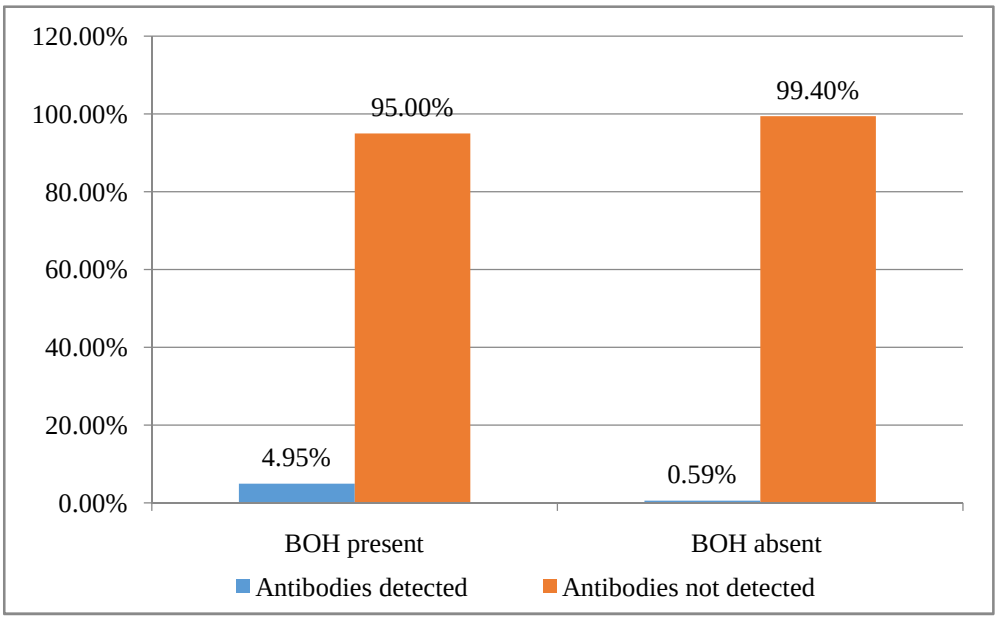
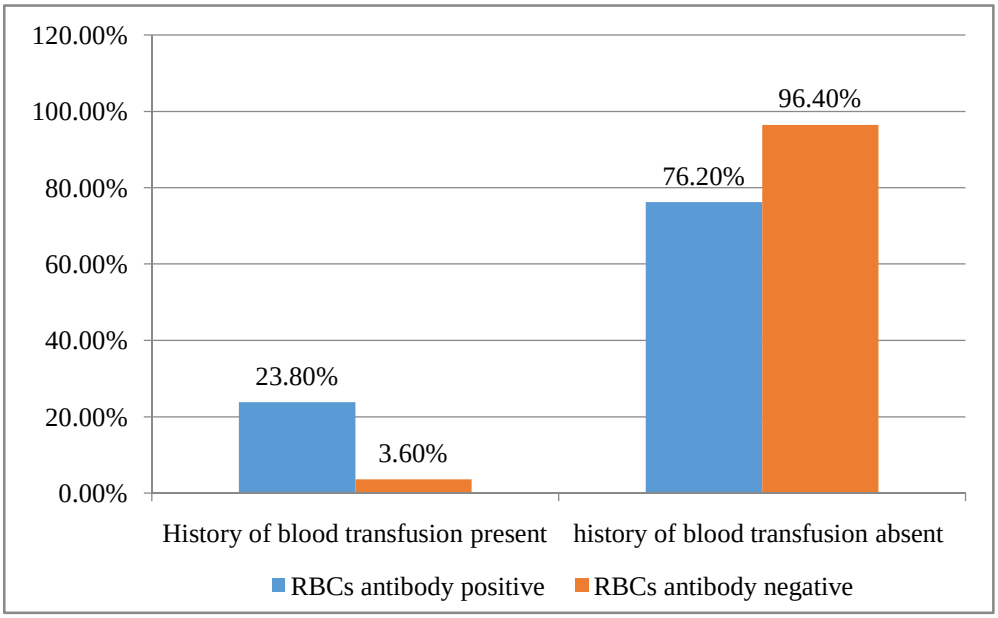


Table 13-Coreleation of positive RBCs antibody with past history of blood transfusion

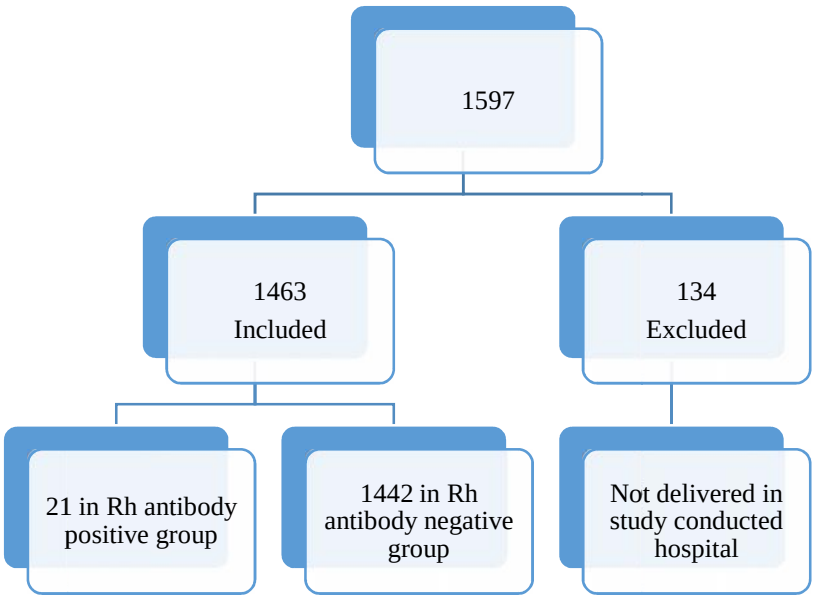
History of blood transfusion	RBC antibody present		RBCs antibody absent		P value
	n	Percentage(%)	n	Percentage(%)	
YES	5	23.8%	58	3.6%	<0.0001
NO	16	76.2%	1158	96.4%	
Total	21	100	1216	100	

Figure 13- Coreleation of positive RBCs antibody with past history of blood transfusion



Perinatal outcome

Consort diagram



In the present study, out of 1597 , 134 women were not delivered in the study conducted hospital therefore we evaluated the perinatal outcomes among 1463 women.

Table 14- Distribution according to Perinatal outcome.

Perinatal Outcome	RBC Antibody positive		RBC Antibody Negative		P value
	n	Percentage %	n	Percentage %	
Live Birth	20	95.2	1375	95.3	0.98
Still Birth	1	4.8	67	4.7	
Total	21	100	1442	100	

Out of 1463 women, 1395 women delivered live newborn while 68 were stillbirth. There was one stillbirth in antibody positive group.

Figure 14- Distribution according to Perinatal outcome

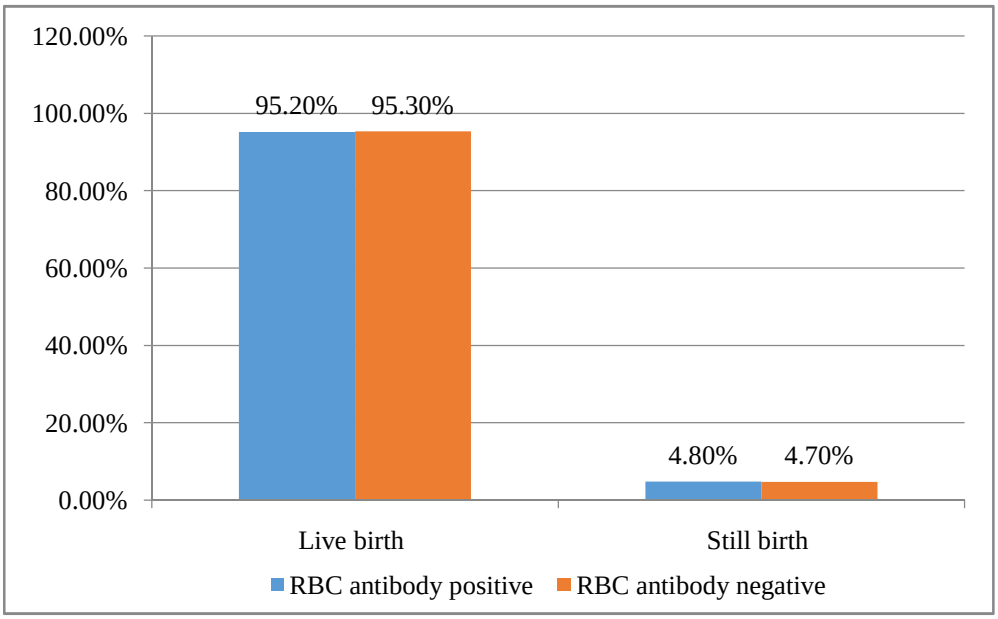


Table 15 - Distribution according to birth weight

Weight (kg)	RBC antibody Positive		RBC antibody negative		P value
	n	Percentage(%)	n	Percentage(%)	
1.0-2.0	3	14.2	61	4.2	0.235
2.1-3.0	15	71.6	1217	84.3	
3.1-3.9	3	14.2	164	11.5	
Total	21	100	1442	100	

In present study, the neonatal birth weight were ranged between 1.0kg to 3.9 kgs, the average weight was 2.8 kg. There is no significant correlation of birth weights between the two study groups.

Figure 15-Distribution according to birth weight

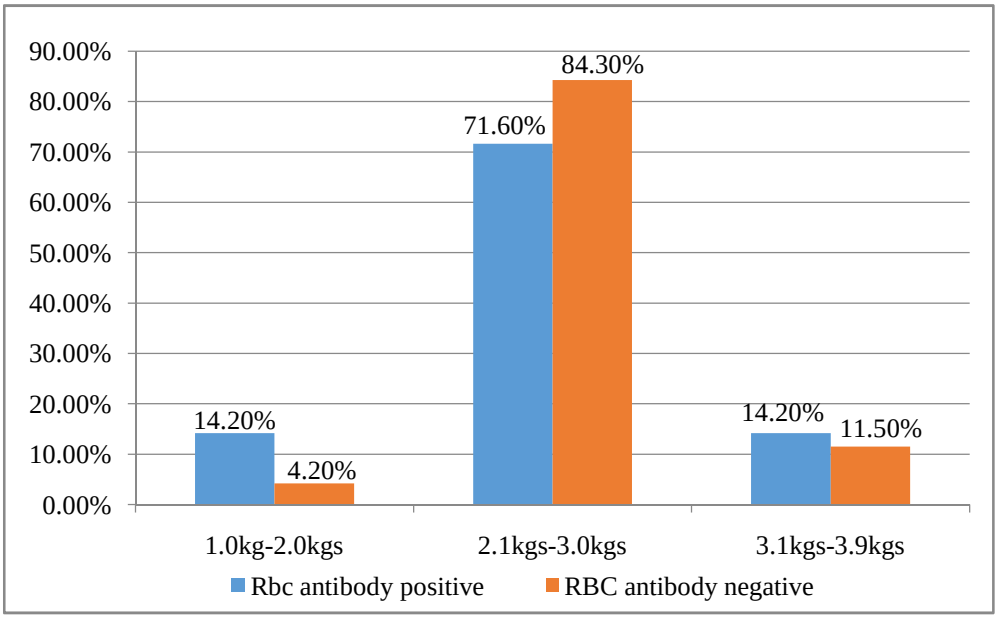


Table 16- Distribution according to NICU admission

Causes of NICU admission	RBC Antibody positive		RBC Antibody negative		P value
	n	Percentage %	n	Percentage %	
Low birth weight	2	12.5	148	29.0	0.115
Respiratory distress	2	12.5	108	21.2	
Congenital anomalies	0	0	8	1.57	
Hyperbilirubinemia	12	75	245	48.23	
Total	16	100	509	100	

In present study 525/1395 newborn shifted to Neonatal intensive care unit because of various reasons as shown in table 16. Among all hyperbilirubinemia was the most common cause of NICU admission in both the groups , 69.0% in antibody positive group while 48.23% in antibody negative group . Chi-square 5.916, p value 0.1157 shows insignificant correlation between two groups in relation to NICU admission.

Figure 16- Distribution according to NICU admission

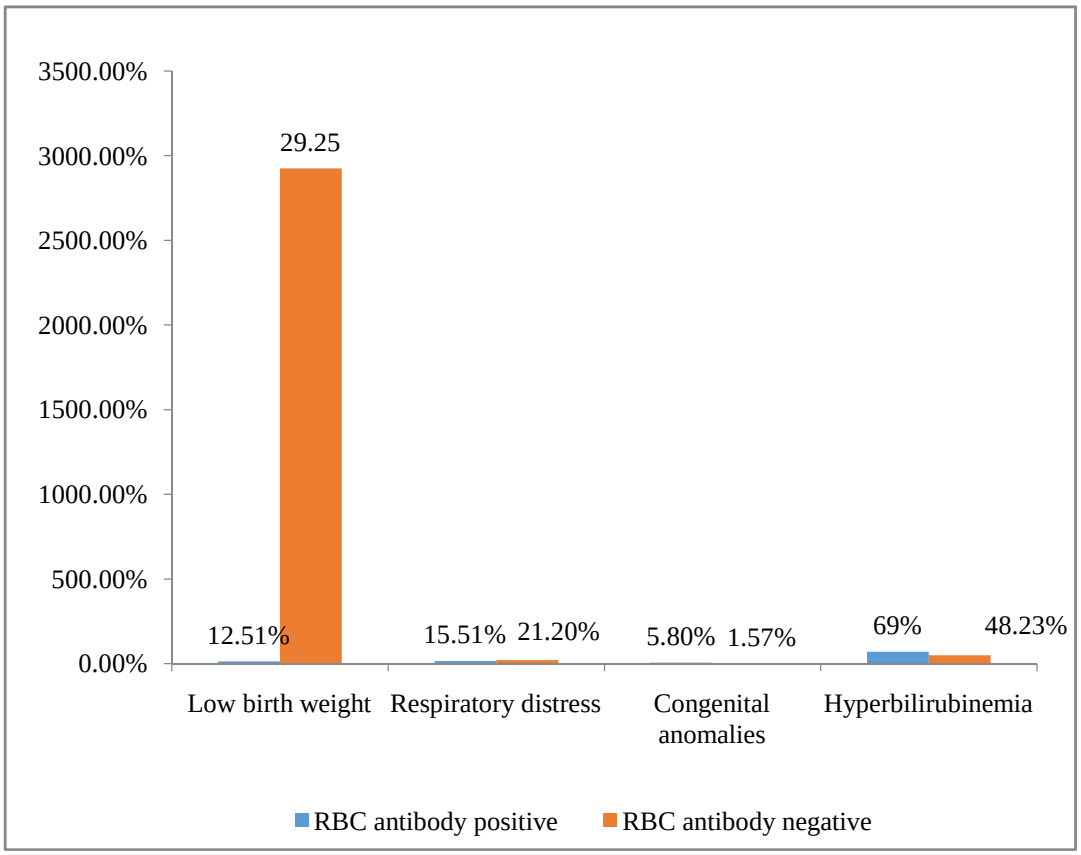


Table 17- Correlation of positive RBCs antibody with hemoglobin of the newborn

Variable	Red Cell Antibody Present	RBC cell Antibody Absent	P value
Hemogloblin	8- 16 Mean =12.3 SD – 1.80	11-20 Mean = 15.21 SD - 1.72	0.0001

Incidence of anemia is higher in the newborn with antibody positive mother which was statistically significant with P value of 0.001.

Table 18 -Correlation of positive RBCs antibody with bilirubin of the newborn

Variable	Red Cell Antibody Present	RBC cell Antibody Absent	P value
BIlirubin	9.8 – 27.6 Mean = 21.25 SD = 1.98	13.6 -28.2 Mean = 18.22 SD - 2.84	< 0.005

The bilirubin level was significantly higher in the newborn who were born to RBC antibody positive mother with p value = 0.005

DISCUSSION

The clinical significance, evaluation, and treatment of Rhesus (D) is well defined but the management of antibodies to other unusual blood group system antigens are not available in most of the centers across India.

Red cell alloimmunization due to Rh-D was about 18% before the introduction of immune prophylaxis. After introducing Rh immune globulin prophylaxis this incidence significantly has reduced to less than 1%. [68] The widespread use of Rh immune globulin prophylaxis antenatal and postnatal, has unmasked alloimmunization risk due to minor RBCs antibodies, making them a significant cause of hydrops fetalis and HDN. Therefore, by knowing the prevalence of antibodies other than Anti-D is an important step in determining the magnitude of alloimmunization and complications associated with the same. This will also help in formulating guidelines regarding testing and interventional modalities for patients with alloimmunization. As shown in various studies these non-anti-D antibodies cause mild to severe HDFN. Perinatal deaths have been reported in women with Anti-M, Anti -Kell, anti-C [68].

The present one-year prospective study was conducted in the department of Obstetrics and Gynecology at KLE's Dr. Prabhakar Kore charitable hospital and medical research center, Belagavi, in which 1597 women enrolled were, presenting to OPD at the antenatal clinic or admitted to labor room and maternity ward to know the prevalence of red cell alloimmunization in both Rh-negative and Rh-positive women. Out of 1597, 668 (41.8%) were outpatients attending the antenatal clinic while 929 (58.17%) were admitted to the labor room and maternity ward.

In the present study women enrolled were between the age group of 20 to 40 years, most of the women 1502/1597 (94.0%) aged were between 20-30 years, the mean age was 23.85±2.8 years (Table 1). In a similar study which was conducted in Tirupati [66] maternity hospital to know the prevalence of irregular antibodies enrolled the women of the age group were between 18-39 years (96.5%), the mean age was 23.8± 3.3 years which was comparable to the present study. A similar study from southwestern [69] Uganda enrolled the women with age group between 14 to 46 years, the mean age was 25.1 which was not comparable with the present study.

In the present study, gravidity of the women ranged between 1 to7. 513/1597(32.1%) of women screened were primigravida , while 940/1597 (58.86%) of women were multigravida whereas the remaining 144/1597 (9.02%) of women were grand multigravida that is gravida 4 or more (Table2). A similar study from South western[69] Netherlands showed, 34.3% were primigravida while 65.6% of women were multigravida which is not comparable to the present study. In a similar study from Tirupati[66] and Delhi[65] enrolled only multigravida women in their study.

In the present study majority of the women 892/1597 (55.85%) screened were between 37-39.6 weeks of gestation with a mean gestational age of 36.54 ± 3.26 weeks (Table 3).In a similar study from Southwestern [69]Uganda women enrolled were between gestational age from 10 to 42 weeks with a mean gestation age of 27.2, which was not comparable to the present study. The above result was not comparable with the similar study from Tirupati [66] and from Delhi [65], as in both the studies women were enrolled irrespective of their gestational age.

In the present study both Rh-positive and Rh-negative women were screened for the presence of RBC antibodies. 1425/1597 (89.2%) of these women were Rh-positive while 172/1597 (10.6%) of women were Rh-negative. The most common phenotype was O 723/1597 (41.3%) followed by B 431/1597 (26.9%) and A 364/1597 (22.7%). The least common phenotype was AB 79/1597(4.9%) [Table-4]. In a similar study from Delhi[65], 88.9% women screened were Rh-positive and the remaining 11.0% of women were Rh-negative, which is comparable to the present study. In a study from Oman by Tamima Al-Dughaishi et al [63] 92.7% of women were Rh positive and 7.2% of women were Rh-negative which is not comparable to the present study. A similar study from Tirupati[66] women with Rh-positive phenotype were slightly higher compared to the present study that was 93.5% while 6.5% of women were Rh-negative. A similar study was conducted in South India [67] 6.34% of women screened were Rh-negative and 93.6% were of Rh-positive women, which not comparable to the present study. This above variation in the prevalence of Rh-positive women and Rh-negative women in various studies could be because of variation in the study population.

In the present study, the prevalence of red cell alloimmunization was 1.3 % (Table-5). The prevalence in various studies was comparable to present study. Table below showing comparison between present study data and various studies.

Place	Reference	Year	Incidence of red cell antibodies
South India	Jophy Varghese et al[67]	2008	1.48%
Delhi	Sangeeta Pahuja et al [65]	2008	1.25%
South western Uganda	Bernard Natukunda etal [69]	2010	2.2%
Tirupati	B. Suresh et al [66]	2012	1.1%
Oman	Tamima Al- Dughaishi etal [63]	2013	2.7%
Surat	Manoj Kahar [71]	2015	1.02%
Belgaum	Present study	2018	1.3%

In the RBCs antibody-positive group, the majority of women were found to be multigravida 9/21 accounting for (42.85%) while in RBCs antibody-negative group multigravida women were 931/1576 accounting for (59.08%). There is statistically significant correlation between both the groups as p value 0.0019 (Table6). Therefore, the present study concluded that multigravida women were more prone for the presence of RBCs antibodies ,this may be because of multiple pregnancies resulting in more exposure to feto-maternal hemorrhage.

In RBC antibody positive group 8/21 (38.09%) of women were screened between 37 - 39.6 weeks of gestation while in RBCs antibody negative group 884/1576 (56.02%) of women were screened in the same period of gestation, (Table7) depicted no statistically significant correlation between both the groups.

In the present study among 172 Rh-negative women (table 8), 12 women were positive for RBCs antibodies contributes to 6.9%. In a similar study from South India [67], the prevalence of RBC antibodies in Rh-negative women were 6.4% that was found to be comparable with the present the study. This suggested that this low prevalence in the above studies maybe because of the better access to health care and use of immuno-prophylaxis in study population in their previous pregnancies. In a study from Tirupati[66], the prevalence of RBCs antibodies in Rh-negative women was 12.8%, this high prevalence could be because of women who were enrolled in this study, had never taken Anti-D immunoglobulin prophylaxis.

In the present study among 1425 Rh-D positive women, 9 women were positive for RBCs antibodies (Table-8). Therefore the prevalence of RBCs antibodies in Rh-positive women was 0.68%. In a study from Chandigarh Prabakaran Sankaralingam et al[64] , the prevalence of RBCs antibodies in Rh-positive women was found to be 0.7% which was comparable to the present study. In a study from Omani[63]the prevalence of antibodies in Rh-positive women was 2.8% which is comparatively higher than the present study. This could be because of the higher prevalence of Rh-D positive women in Oman as compared to the present study population (92.7% Vs.89.2% respectively).The prevalence of RBCs antibody in Rh-positive women was not comparable to a study from Tirupati[66]0.30% and a study from Delhi[65]0.12%.

In the present study, various blood systems antibodies have been detected. This includes the Rh system, Kell system, Lewis system, Duffy system, and MNS system. Antibodies belonging to the Rh system accounted for 71.3% followed by Kell

and Lewis system which accounted 9.5% each and remaining 9.7% MNS and Duffy system (Table -9).

In the present study, antibodies detected in Rh-negative women belonged to only the Rh system. In the Rh system, 7/12 (33.3%) women were positive for anti-D which was the most common antibody (Table -10) followed by the most common combination of antibodies anti-D, anti-C which accounted for 5/12 (23.8%). In a similar study from Tirupati[66] also found, anti-D was the most common antibody among all, but the prevalence of this antibody was comparatively higher (63.7%)than the present study. This could be because of enrolled women in the Tirupati study had not received anti-D immunoglobulin in their pregnancies. In a similar study from Delhi[65] the most common antibody found was anti-D (78.4%), the prevalence of which was not comparable to the present study.

In the present study antibodies detected in Rh-positive women belonged to various blood systems. Anti-E antibody found only in one woman (4.7%) while anti-E along with anti- C found in 2 women (9.5%), these antibodies belong to Rh system. Among Lewis system only anti Le^a antibody was identified (9.5%). In Kell system, anti-Kell was identified in 2 women which accounted for 9.5%, while among the MNS system, anti-M identified along with anti-s in one woman (4.7%)(Table-11). In a study from Tirupati [66] antibodies identified were anti E, anti-M, anti-Le accounting for 4.5% each which is comparable to the present study. A study from Oman[63] the most common antibody was found to be anti E (38%) followed by anti-Kell and anti-c 17% and 10% of cases accounted for anti-s.

In the present study, anti-Kell antibody was identified in 2/1425(0.14%) Rh-positive mothers. The outcome of one of the positive anti-kell pregnancy had a macerated stillbirth at 33 weeks gestation secondary to immune hydrops. The outcome in other pregnancy was a livebirth delivered vaginally at 38weeks of gestation weighing 2.8 kg . Baby developed jaundice at day 2 of life and was treated with phototherapy. In a similar study from Tirupati[66] 1/1927 (0.05%) case of hydrops was reported in Rh-positive woman due to anti-C antibody. The above information suggested that both anti-Kell and anti-C antibody are associated with a severe degree of HDFN disease. Therefore, early screening is advisable in case of suspected immune hydrops even in the Rh-positive women or women who had a history of stillbirth of unknown cause.

In the present study a woman who was alloimmunized with anti-E was of the second gravida with the perinatal outcome of the livebirth and was not associated with HDN. In a similar study from Tirupati[66] a positive association was found between anti-E and HDFN in a third gravida woman. A similar study from Delhi [65] reported a case of anti M associated with mild HDFN.

In the present study antibodies were detected in 13/261 (4.9%) women (Table-12) with an adverse obstetric history. 8/1336 (0.59%) women were detected to have positive RBC antibodies without an adverse obstetric history which was statistically significant p value <0.0001. In a similar study from Tirupati[66], statistically significant correlation was found between presence of RBCs antibodies and adverse obstetric history which was comparable to present study. An adverse obstetric history included a history of induced and spontaneous abortion, history of ruptured ectopic pregnancy, history of stillbirth.

In the present study, history of blood transfusion was present in 63/1597 (3.9%) of the women, out of which 5/63 (7.9%) women with history of blood transfusion showed presence of RBCs antibodies (Table-13). A statistically significant correlation was found between history of blood transfusion and presence of RBC antibodies p value<0.0001. This suggests that blood transfusion is a risk factor for RBCs antibodies .In a similar study from Netherlands[72] which studied on various risk factors for presence of RBCs antibodies found that history of blood transfusion was an important risk the factor which was comparable to the present study. In a similar study from Tirupati[66] 0.7% women had a history of a blood transfusion but none of them were positive for RBCs antibodies, this could be due to the small percentage of women with history of blood transfusion.

In the present study, 1463 perinatal outcomes were studied as, 134 women had not delivered in the study hospital and could not be followed. In alloimmunized group, we evaluated the perinatal outcome of 21 newborns and in the non alloimmunised group 1442 was studied.

In the present study, there were 1395 live births and 68 stillbirths which accounted for 95.3% & 4.7% respectively. In the alloimmunized group 20/21 (95.2%) were livebirths and 1/21(4.7%) was stillbirth. (Table-14). In non alloimmunised group 1375/1442 (95.3%) were livebirths and 67/1442(4.7%) were stillbirths. In a similar study conducted in Oman[63] one stillbirth was noted due to congenital anomalies out of 29 live births.

In the present study, birth weight ranged between 1.0kg to 3.9kg, with an average birth weight of 2.6kgs(Table-15) and no statistical significance was noted between both alloimmunized and non alloimmunized pregnancies. In a similar study ,

conducted in Oman [63]; the average weight was 2.8kgs in alloimmunized group which was comparable to the present study.

In the present study, 525/1395 newborns were admitted in NICU (Table-16). Amongst the alloimmunised group 16/20 (80%) newborns and in non alloimmunised group 509/1375 (37%) newborns were admitted in NICU. The most common cause of admission was jaundice 257/525 (48.9%) In alloimmunized group 12/16(75%) newborns developed jaundice and in non alloimmunized group 245/509 (48.1%) newborns developed jaundice. In a study from Oman[63] the most common cause for NICU admission was jaundice which accounted for 66.7% in alloimmunized group and 47.8% in non alloimmunized group which was comparable to the present study. In a study from Tirupati[66], 44.4% of the newborns had jaundice in alloimmunised group which was managed with phototherapy and double volume exchange transfusion. These results were not comparable to the present study. In the present study antibodies associated with jaundice were anti –D, anti-M, anti-Kell, and antic C while anti Le, anti-Fy were not associated with jaundice.

In the present study, other causes of NICU admission were low birth weight, respiratory distress, congenital anomalies in both alloimmunized and non alloimmunized pregnancies. There is no statistically significant correlation in both the groups in relation to NICU admission (table 16)

In the present study, (table 17) mean hemoglobin level was 12.3 (ranged from 8-16) in alloimmunized group and 15.2(ranged from 11-20) in non alloimmunized group which was statistically significant as p value <0.0001. In a similar study from Oman[63] , the hemoglobin level was less in the alloimmunised group which was comparable to the present study.

In the present study, (table 18) mean bilirubin level was 21.25 (ranged from 9.8-27.6) in alloimmunized group and 18.22(ranged from 13.6-28.2) in non alloimmunized group which was statistically significant as p value <0.005. In a similar study from Tirupati[66], the bilirubin level was 32mg/dL in the alloimmunised group which was not comparable to the present study.

Strength of the present study

- Its cross-sectional prospective study.
- The sample size was adequate.
- The present study included both Rh –D positive women and Rh –D negative women. As in developing countries like India screening is limited to Rh-D negative women.

Limitation of the present study

- Screening of these antibodies was done only one time after 28 weeks of gestation, so there is a chance of missing of some of these antibodies occurring in early trimester.
- The blood group of the husband was not recorded.

CONCLUSION

The prevalence of the red cell alloimmunization in the present study was 1.3%. In Rh negative women prevalence was 6.9% while in Rh positive women 0.63% .Inspite of the introduction of prophylactic Rh- immunoglobulin, anti-D (57.1%) was still remains the most common antibody detected in our study population. Along with anti-D, other Rh and non Rh system antibodies were also identified and their clinically significant association with HDFN was observed. A total of 1597 women were screened, out of which 41.8% of women were outpatient attending the antenatal care while 58.17% of women were admitted in labor room.

Most of the women screened were in the age group of 20-30 years with mean age of 23.8 years.

Majority of the women screened were multigravida in antibody positive group 42.85% suggesting that multigravida women are more prone for RBCs antibodies, which may be attributed to increased exposure to feto-maternal hemorrhage . In present study,41.7% of women screened were between 28- 36.6 weeks of gestation . 55.85% of women screened were between the gestational age of 37-39.6 weeks while only 2.3% of women were postdated. In the present study women were screened for RBCs antibodies after 28 weeks of gestation , so there is a possibility of not detecting antibodies that could be present at an early gestational period .

In developing countries like India screening is limited to Rh negative women and therefore presence of RBCs antibodies in Rh positive women which might responsible for HDNF are often missed out. Hence in the present study women were screened irrespective of Rh status. The prevalence of antibodies in Rh positive women

was 0.63% while in Rh negative women was 6.9% . Majority of studies have proven that Rh blood group system and Kell blood group system antibodies are associated with HDFN while antibodies belongs to Lewis, Duffy and MNS blood group system have relatively lesser clinical correlation with HDFN . In the present study accounting for 80.8% of antibodies belonged to Rh and Kell blood group system (anti-D, anti-D+anti-c, anti-E , anti-C+ anti-E, anti-Kell) while remaining 19.2% of antibodies belonged to rest of the blood group system (anti-Le^a, anti-M, anti-Fy). The mean bilirubin level was 21.25 in newborn whose mother were positive for antibody screening while the mean bilirubin level was less i.e. 18.22 in newborn whose mother were negative for antibody screening .A statically significant correlation between alloimmunized pregnancies with hyperbilirubinemia in newborn.

In developing countries like India ,universal antenatal antibody screening though desirable may not be justified at present because of cost and infrastructure involved. Therefore, selective screening advisable in the pregnant women with adverse obstetric history as present study has been showed the significant correlation between the alloimmunization rate and adverse obstetric history of the women. Most of the developed countries have guidelines for RBCs antibody screening all pregnant women irrespective of Rh status of the women. According to the British Committee for standards in Hematology, all pregnant women should be screened for the presence of RBCs antibodies in first trimester and at 28 weeks of gestation [73] along with ABO and Rh typing .However no such guidelines are followed in developing countries like India because of limited data available on alloimmunization rate in pregnant women.

Therefore universal screening for RBCs antibodies in pregnant women need to be done in order to collect sufficient evidence , so that professional bodies would be able to formulate guidelines regarding testing and interventional modalities for alloimmunization in pregnancy , in order to reduce newborn death and disability due to HDFN.

SUMMARY

Hemolytic disease of fetus and newborn results from alloimmunization due to exposure of RBCs antibodies during pregnancy as these antibodies may cross the placenta.

The objective of this study was to determine the prevalence of RBCs antibodies in antenatal women and also assess the perinatal outcome.

This study was conducted in the department of Obstetrics and Gyanecology at KLE's Dr Prabhakar Kore Charitable Hospital and Medical Research center Belagavi, in which 1597 women enrolled were , presenting to OPD and admitted to labor room to know the prevalence of red cell alloimmunization in both Rh negative and Rh positive women.

The prevalence of irregular antibodies noted in this study was 1.3%.The prevalence of antibodies in Rh negative women was 0.75% while in Rh positive women was 0.56%.

Anti-D is the most common RBC antibody detected with routine antibody screening. Anti-kell, anti Le, anti- Duffy, anti M , anti-E , C was found in Rh positive women and associated with HDFN. The past history of blood transfusion in the women was statically significant in RBC antibody positive group. A statically significant correleation observed between the women with adverse obstetric history and presence of RBCs antibody.

Perinatal outcome showed there is no significant correleation of birth weight between the alloimmunized and non alloimmunized groups, higher incidence of

newborn anemia was more in alloimmunized group. The bilirubin level in the newborn significantly higher in the alloimmunized group. In view of the above results it may be proposed to do a large scale prospective screening for RBC antibody.

BIBLIOGRAPHY

1. Landsteiner, K.; Wiener, A. S. (1940). "An Agglutinable Factor in Human Blood Recognized by Immune Sera for Rhesus Blood". Experimental Biology and Medicine. 43: 223.
2. Levine, Philip; Burnham, Lyman; Katzin, E.M.; Vogel, Peter (December 1941). "The role of iso-immunization in the pathogenesis of erythroblastosis fetalis". American Journal of Obstetrics and Gynecology. 42 (6): 925–937.
3. Marc Jackson and D. Ware Branch. Alloimmunization in pregnancy 2003; 893-929.
4. Eloise R.Giblett. Blood group antibodies causing hemolytic disease of the newborn. Clinical obstet-gynecol 1969; 12:1045-1054.
5. Beal RW. Non-rhesus (D) blood group isoimmunization in obstetrics. Clinical obstet gynecol 1979; 6:493.
6. Kenneth J Moise JR. Non-anti-D antibodies in red-cell alloimmunization. European journal of obstetrics & gynecology and reproductive biology 2000; 92:75–81.
7. Louis Weinstein, MD. Irregular antibodies causing hemolytic disease of the new born, a continuing problem. Clin. Obst & gynec. 1982; 25(2) 321-330.
8. Diamond L K, Et Al : Erythroblastosis Fetalis and its association with universal edema of the fetus, icterus gravis Neonatorum And Anemia Of The Newborn. J Pediatr 1: 269, 1932.
9. Duru Shah, Vinita Salvi: The rhesus factor current concepts. A FOGSI publication.: first edition 2002; 1-88.

10. Darrow R R : Icterus Gravis (Erythroblastosis) Neonatorum : Examination of etiologic considerations. Arch pathol lab med1938; 25: 378.
11. Lurie S, Eliezere, Piper I, Woliovitch I,Is antibody screening in Rh (D) positive in pregnant women necessary? J. Matern. Fetal neonatal Med. 2003;14(6):404-6.
12. Weinstein-L. Irregular antibodies causing hemolytic disease of the new born. Obstet-gynecol- surv 1976; 31(8):581-91.
13. Jakobowicz R, Williams L, Silberman F. Immunization of Rh-negative volunteers by repeated injections of very small amounts of Rh-positive blood. Vox Sang 1972;23(4):376-81.
14. Pollack W, Ascari WQ, Kochesky RJ, O'Connor RR, Ho TY, Tripodi D. Studies on Rh prophylaxis. 1. Relationship between doses of anti-Rh and size of antigenic stimulus. Transfusion 1971;11(6):333-9.
15. Zipursky A, Pollock J, Neelands P, Chown B, Israels LG. The Transplacental Passage of Foetal Red Blood-Cells and the Pathogenesis of Rh Immunisation during Pregnancy. Lancet 1963;2(7306):489-93.
16. Stott LM, Barker RN, Urbaniak SJ. Identification of alloreactive T-cell epitopes on the Rhesus D protein. Blood 2000;96(13):4011-9.
17. Simister NE. Placental transport of immunoglobulin G. Vaccine 2003;21(24):3365- 9.
18. Jakobowicz R, Williams L, Silberman F. Immunization of Rh-negative volunteers by repeated injections of very small amounts of Rh-positive blood. Vox Sang 1972;23(4):376-81.
19. Pepperell-RJ, Barrie-JU, Fliegner-JR. Significance of red cell irregular antibodies in the obstetric patient. Med-J-Aust. 1977; 2(14): 453-56.

20. Anderson, P H.: The blood group system L. A new blood groups. Acta Path. Microbiol. Scand. 25 : 728-731. 1948.
21. Degruchy, Clinical Hemotology In Medical Practice : 4th Edition 780-788. Anderson As Et Al. Aeta Obstet. Gynecol. Scand. 2002; 81 (5) 407-11.
22. Filbey D, Hanson U, Wesstrom G. The Prevalence Of Red Cell Antibodies In Pregnancy Correlated To The Outcome Of The Newborn: A 12 Year Study In Central Sweden. Acta Obstet Gynecol Scand 1995; 74:687-92.
23. Coombs R R A., Mourant, A E. And Race, R. R. In Vivo iso-sensitization of red cells in Babies with Hemolytic Disease. Lancet 1946;1: 264-266
24. Allen, F H And Lewis, S J : Kpa (Penney), A New Antigen In The Kell Blood Group System, Vox Sang. 1957; 2: 81-87.
25. Allen F H., Lewis S J and Fudenberg, H: Studies of Anti-Kpb, A New Antibody In The Kell Blood Group System. Vox Sang1958; 3: 1.
26. Brawn, R D: Erythroblastosis Fetalis secondary to kell immunization. Tex. Med. 1972;68: 104-106,.
27. Gusdon, J P, Leake, N H And Oliver K L. Amniotic fluid analysis in Erthroblastosis secondary to Kell Immunization. Obstet Gynecol. 1969; 33: 432-434.
28. Liley A W: Liquor Amnii Analysis In The Management of the pregnancy complicated By Rh Sensitization Am J. Obstet. Gynecol. 82: 1359-1370, 1961.
29. Landsteiner, K. And Levine, P.: A New Agglutinable Factor Differentiating individual Human Blood Groups. Proc. Soc. Exp. Biol. Med. 1927;24: 600-602.

30. Landsteiner, K And Levine, P.: Further Observations On Individual Differences Of Human Blood. Proc. Soc. Exp. Biol. Med. 1927;24:941-942.
31. Telschi M Behzad O, Issitt Pd, Pavone Bg. Hemolytic Disease Of The Newborn due to anti-N. Vox Sang 1976; 31: 109-16.
32. Baker J.B,Grewar D Lewis M, Ayukawa, H and Chown, B. Hemolytic Disease of the Newborn due to Anti-Duffy (Fy). Arch. Dis. Child. 1956;31: 298-299.
33. Catbush M Mollison, P L and Parkin, D. M. A New Human Blood Group. Nature 1950;65: 188.
34. Weinstein, L And Taylor, E.S. Hemolytic Disease of the Newborn Secondary to Anti-Fya. Am. J. Obstet Gynecol. 1975;121: 643-645.
35. Allen, F.H., Diamond, L. K. And Niedziela B.A New Blood Group Antigen, Nature 167:482, 1951.
36. Plaut G, Ikin E.W, Mourant, AE, Sanger R. and Race R.R.. A New Blood Group Antibody Anti-Jkb. Nature 1953;171:431.
37. Pinkerton FJ, Mermod L E, Liles B.A., Jack, J.A. And Noades, J. The Phenotype Jka- B- In the Kidd Blood Group System. Vox Sang. 4,1959; 155-160.
38. Mourant, A. E. A New Human Blood Group Antigen Of Frequent Occurance, Nature 1946; 158: 237.
39. Andresen, P H.: The Blood Group System L. A New Blood Groups. Acta Path. Microbiol. Scand. 1948;25: 728-731.
40. Mollison, P L Blood Transfusions In Clinical Medicine, Oxford, England, Blackwell Scientific Publicatations, 1967;Ed. 4; 282.

41. Kelsall Ga, Vos Gh. A Case Of Hemolytic Disease of the Newborn due to Anti-Leb. Med J Aust 1962; 49:598-599.
42. Catbush M And Chanarin I.: The Expected Blood Group Antibody Anti-Lub. Nature 1965;178: 855-856.
43. Layrisse, M and Arends T. The Deigo Blood Factor in Chinese and Japanese. Nature 1956;177: 1083-1084.
44. Heltrop et al. "Survival and Short term out come in newborns. Am.J.Obst.Gynecol. 1994;170:1266-1270.
45. Landsteiner K, Levine P. Further Observation Individual Differences of Human Blood. Exp. Biol Med. 1927; 24:941-942
46. J.E. Hendrickson, C.A. Tormey Understanding red blood cell alloimmunization triggers. Hematol Am Soc Hematol Educ Program, 16 (1) (2016), pp. 446-451.
47. S. Pahuja, S. Kushwaha, N. Sethi, M. Pujani, M. Jain. Screening of blood donors for erythrocyte alloantibodies. Hematology, 17 (5) (2012), pp. 302-305.
48. A.K. Tiwari, P. Pandey, J. Sharma, K. Shailja, S. Dixit, V. Raina Incidence of clinically significant antibodies in patients and healthy blood donors: a prospective cross-sectional study from a tertiary healthcare center in India. Transfus Apher Sci, 50 (2) (2014), pp. 230-234.
49. R. Sood, R.N. Makroo, V. Riana, N.L. Rosamma Detection of alloimmunization to ensure safer transfusion practice Asian J Transfus Sci, 2 (2) (2013), pp. 135-139.
50. G.A. Guelsin, C. Rodrigues, J.E. Visentainer, P. De Mel Campos, F. Traina, S.C. Gilli, et al. Molecular matching for Rh and K reduces red blood cell

alloimmunization in patients with myelodisplastic syndrome. Blood Transfus, 13 (1) (2015), pp. 53-58.

51. Y.H. Chao, K.H. Wu, J.J. Lu, M.C. Shih, C.T. Peng, C.W. Chang. Red blood cell alloimmunization among Chinese patients with β-thalassaemia major in Taiwan. Blood Transfus, 11 (1) (2013), pp. 71-74.
52. U. Kangiwa, O. Ibegbulam, S. Ocheni, A. Madu, N. Mohammed. Pattern and prevalence of alloimmunization in multiply transfused patients with sickle cell disease in Nigeria. Biomark Res, 3 (2015), p. 26
53. Beal RW. Non-rhesus(D) blood group isoimmunization in obstetrics. Clinical obstet gynecol 1979; 6:493.
54. Bowman, H S: Prenatal Serodiagnosis of blood group sensitization. Am J. Obstet. Gynecol. 1968;101:623-632.
55. Queenan, J.T., Smith, B.D., Haber, J.M. Jeffrey, J. And Gadow. H.C. : Irregular Antibodies in the Obstetric Patient. Obstet. Gynecol. 1969; 34: 767-770.
56. Smith B D., Haber, J. M. and Queenan, J. T.: Irregular Antibodies in Pregnant Women. Obstet. Gynecol. 1967; 29: 118-124.
57. Williams Obstetrics 20th Ed.: P9.347-378.
58. Giblett, E R: Js, A New Blood Group Antigen Found In Negroes. Nature 1958;181: 1221-1222.
59. Pirofsky. B : Erythroblastosis - A changing serologic problem. Am. J. Obstet. Gynecol 1965; 92: 720-726.
60. Levine P Becker, M., Wigod, M And Bonder. R.: A New Human Hereditary blood property (Cellano) present in 99.8% of all blood. Science 1949;109: 464-466.

61. Polesky, H.F. : Blood Group Antibodies in Prenatal Sera. Minn. Med. 1967;50: 601- 603.

62. Koelewijn JM, Vrijkotte TG, Van der Schoot CE, Bonsel GJ, De Haas M (2008) Effect of screening of red cell antibodies, other than anti D to detect hemolytic disease of the foetus and newborn: a population study in the Netherlands. Transfusion 48(5): 941-952.

63. Tamima Al-Dughaishi, Ikhlass S. Al-Rubkhi, Maymoona Al-Duhli, Yusra Al-Harrasi, Vaidyanathan Gowri, Alloimmunization due to red cell antibodies in Rhesus positive Omani Pregnant Women: Maternal and Perinatal outcome. Asian Journal of Transfusion Science · September 2015; Volume 9 Issue 2: 150-154.

64. Prabakaran Sankaralingam, Ashish Jain, Rashmi Bagga, Praveen Kumar, Neelam Marwaha. Red cell alloimmunization in RhD positive pregnant women and neonatal outcome. Transfusion and Apheresis Science (2016), doi: 10.1016/j.transci.2016.06.002

65. Pahuja S , GUPTA SK , Pujani M , Jain M . The prevalence of irregular erythrocyte antibodies among antenatal women in delhi . Blood tranfus Sci . 2011, 5:56 .

66. Tirupati , Suresh B, Sreedhar Babu KV, Arun R, Jothibai DS, BharathiT. Prevalence of “unexpected antibodies” in the antenatal women attending the Government Maternity Hospital, Tirupati. J Clin Sci Res2015;4:22-30

67. Jophy Varghese, Mary P.Chacko, and Dolly Daniel Jophy Varghese, et al. Red cell alloimmunization among antenatal women attending a tertiary care hospital in South IndiaTransfus Med.2011 Aug;21(4):262-6

68. Moise KJ., Jr Non-anti-D antibodies in red-cell alloimmunization. Eur J Obstet Gynecol Reprod Biol. 2000;92:75–81.

69. Natukunda B ,et al.Maternal red blood cell alloimmunization in South western Uganda. Transfus Medd.2011,21,262-266.

70. Manoj kahar, Frequency of Red Cell Alloantibodies in Pregnant Females of Navsari District: An Experience that Favours Inclusion of Screening for Irregular Erythrocyte Antibody in Routine Antenatal Testing Profile The Journal of Obstetrics & Gynecology of India. 2018, 68(4):300-305.

71. JM Koelewijn, TGM Vrijkotte, M de Haas, CE van der Schoot et.al, Risk factors for the presence of non-rhesus D red blood cell antibodies in pregnancy.2009,116;655-664

ANNEXURE I – CONSENT FORM

INFORMED CONSENT

Study- is A ONE YEAR OBSEVATIONAL STUDY OF THE PREVALNCE OF RED CELL ALLOIMMUNIZATION AMONG ANTENATAL WOMEN AND ITS PERINATAL OUTCOME AT KLES DR PRABHAKAR KORE CHARITABLE HOSPITAL, Belagavi conducted by **_____ ,** Post Graduate in M.S. Obstetrics And Gynaecology under the guidance of _____ Professor Of Department of Obstetrics And Gynaecology , J.N. Medical College, KLE university, Belagavi.

Purpose of the study:

To create awareness for screening all antenatal women for irregular erythrocyte antibodies in order to prevent hemolytic complication in fetus and new born is very important as routine screening. Detection of red cell antibodies is vital in the management of hemolytic disease. There are limited data available on immunization rates in pregnant women from India or on the antigen responsible for any immunization.In developing countries , antenatal screening is generally targeted solely at detection of antiD, other antibodies detection we neglected which leads to untowards complication in pregnancy . Moreover, follow up and treatment facilities for antibodies other than antiD not available in most of centres across India.

Study Procedure and Treatment:

Once you have signed the informed consent form, the personel details like name, age, place and address will be noted down. Your delivery details will be noted

down. You will be followed up until you are discharged from the hospital. Blood samples will collected into EDTA vials and sent to BLOOD BANK All the samples were centrifuged at 2000rpm for 5 mins and plasma separated and stored at -20 degree celcius ABO blood grouping and D typing were performed using tube method.

Irregular antibodies will screened using a commercial 3 cell antibody panel . ANTIBODY identification was performed on sample found positive using a commercial 11 cell panel.

Potential risks:

There are no observable risks associated with the study.

Benefits:

There is a benefit as you will be followed up in your postnatal period for any risk factors and will be treated if found so.

Financial incentives for participation:

I will not receive any payment for taking part in this research study.

Alternatives:

If i decide not to participte in the study, my health care provider will provide the usual standard care during my pregnancy, delivery and upto 6 weeks after delivery.

Privacy:

To protect your privacy all the collected information will be given a number rather than using your name. Any information collected during the study will remain

confidential. The identifiable information about you will bw accessible to only the study pesonnels in the community. Your medical files will be reviewed only at the hospital (or study doctor's office) in order to check the information and verify the result without breaking your confidentiality.

Only de-identified information on your pregnancy will be shared so that we can learn the results of the study.

Authorisation to Publish Results:

The information about me will be analysed together with other study participants. Results of this study will be published and presented to scientific groups for scientific purposes but i will never be individually identified in the presentation of the study results.

Institutional Policy:

If you have any queries about your rights as a study subject, you may call **Dr.Roopa M Bellad**, Professor of Pediatrics, as Chairman of J. N. Medical College Institutional Ethics Committee on Human Subjects Research, Phone No.0831 2473777 ext-1527 at J.N.Medical College, Belagavi

VOLUNTARY PARTICIPATION:

My participation in this study is voluntary. In case i need any further information regarding my rights as a study participant. I may contact **Dr.Roopa M Bellad**, Professor of Pediatrics, as Chairman of J. N. Medical College Institutional Ethics Committee on Human Subjects Research, Phone No.0831 2473777 ext-1527 at J.N.Medical College, Belagavi . my doctor will take cre or me during this pregnancy or in the future. I am free to stop participation in this study at any time and for any reason.

Signatures:

Person requesting consent, please check applicable boxes.

Consent obtained(for adult respondant) Assent (for minor respondant)

Consent from family member or adult guardians of minor responadant

I have read the consent form or the consent form has been read to me. I understand the content and the signature or sign below confirms that i agree to participate in this study.

Study Identification Number:

Signature or thumb print of the participant:

Date:

Signature or thumbprint of the participant guardian(if participant is less than

18yrs old)

Date:

ANNEXURE II – PROFORMA

PROFORMA OF THE STUDY

NAME-

AGE-

OBSTETRIC SCORE-

GESTATIONAL AGE-

ADDRESS-

HOSPITAL NO-

L.M.P.-

E.D.D- USG EDD-

MATERNAL RISK FACTOR

PIH	YES	NO
DIABETES	YES	NO
POST TERM	YES	NO
ANTEPARTUM HAEMORRHAGE	YES	NO
POSTPARTUM HAEMORRHAGE	YES	NO
H/O ABORTION	YES	NO

H/O PREVIOUS STILL BIRTH	YES	NO
PREVIOUS NEONATAL DEATH	YES	NO
H/O BLOOD TRANFUSION	YES	NO
HEMATOLOGICAL DISEASE	YES	NO
MANUAL REMOVAL OF PLACENTA	YES	NO
H/O SURGERY	YES	NO

	PREVIOUS PREGANCY	PRESENT PREGNANCY
LABOUR		
0 – SPONTANEOUS		
1 – INDUCED		
GESTATIONAL DELIVERY		
PRETERM		
TERM		
POST TERM		

	PREVIOUS PREGANCY	PRESENT PREGNANCY
MODE OF DELIVERY –		
VAGINAL		
CESAREAN		
MATERNAL HEMOGLOBIN		
BLOOD GROUP / RH TYPING		

RED CELL ANTIBODY SCREENING – (28 WEEKS TO 34 WEEKS)

(34^{1} WEEKS TO 41 WEEKS)

INDIRECT COOMBS TEST – 0 NEGATIVE

1 POSITIVE

Rh system	Anti-D Anti-C Anti-c Anti-E Anti-e
Kell	Anti- K Anti-k
Duffy	Anti-Fy^{a} Anti-Fy^{b}
Kidd	Anti- Jk^{a} Anti- Jk^{b} Anti-Jk3
MNS	Anti-S Anti-s Anti-M Anti-N
Lewis	Anti-Le^{a} Anti-Le^{b} Anti-Le^{a+b}

BABY :-

WEIGHT

BLOOD GROUP AND RH TYPING

APGAR AT BIRTH 1 MIN

5 MINS

CONGENITAL MALFORMATION YES NO

DIRECT COOMBS TEST - 0 - NEGATIVE

1 – POSITIVE

NICU ADMISSION - 0 – NO

1 – YES

JAUNDICE 0 –NO

1 - YES

ANNEXURE-III- ETHICAL CLEARANCE LETTER

K.L.E.UNIVERSITY'S
JAWAHARLAL NEHRU MEDICAL COLLEGE,
NEHRU NAGAR, BELAGAVI-590010 (KARNATAKA-INDIA)
(Accredited 'A' Grade by NAAC)

Website: http//www.jnmc.edu
E-Mail : dome@jnmc.edu

Phone: (+ 91-(0)831 Office : 2471350
Principal: 2471701
Fax No. +91 (0)831 – 2470759

Ref: MDC/DOME/ 60 **Date: 22/11/2017**

REG. NO. BJ0117002

Sub: Institutional Ethical Clearance for the study.

With reference to the above, we wish to inform you that your proposed research project titled **"PREVALANCE OF RED CELL ALLOIMMUNIZATION AMONG PREGNANT WOMEN ATTENDING ANTENATAL CLINIC AT TEACHING HOSPITAL ATTACHED TO KLE UNIVERSITY J N MEDICAL COLLEGE, BELAGAVI",** is ethical and justifiable. The proposed research project has been cleared by the JNMC Institutional Ethics Committee on Human Subjects Research.

(Dr. Arathi Darshan)
Member Secretary
JNMC Institutional Ethics Committee
on Human Subjects Research,
J.N.Medical College, Belagavi.

(Dr. Roopa M Bellad)
Chairman,
JNMC Institutional Ethics Committee
on Human Subjects Research,
J.N.Medical College, Belagavi.

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ANNEXURES IV - MASTER CHART

Serial Number	Hospital Number	Age (Years)	Obstetric index				GA at enrolment		Maternal risk factors							Maternal haemoglobin (gm/dL)	Blood group	Rh typing	red cell antibody screening	Indirect Coombs test	Rh system	Kell	Duffy	Kidd	MNS	Lewis	Perinatal outcome							
			Gravida	Para	living	death	Weeks	Days	History of Blood Transfusion	Intrauterine demise	H/o Abortion	Ectopic pregnancy	Hyadidiform mole	PPH	Instrumental delivery													Hb	Birth weight (Kg)	bilirubin	NICU admission	Cause of NICU admission	Jaundice	Live Birth	Still Birth
1	882960	22	2			1	36	6	N	Y	N	N	N	N	N	13.6	O	P	N	N	N	N	N	N	N	N	N	12	2.2	13	Y	J	Y	Y	
2	883122	24	1				38	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	N	12	2.4	13.8				Y	
3	883100	23	1				39	6	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	N	12.1	3.2	14	Y	LBW		Y	
4	883035	27	2				39	6	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	N	12.2	2.6	14	Y	J	Y	Y	
5	883101	25	1				35	3	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	N	13	2.6	15	Y	LBW		Y	
6	882924	29	2			1	38	0	N	Y	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	N		2.8					N	Y
7	884610	20	2	1	1		38	4	N	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N	N	13.1	2.5	14				Y	
8	882122	24	3			2	39	4	N	Y	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	N	15	3.2	15	Y	LBW		Y	
9	882187	25	2	1	1		28	5	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	N	15	2.9	14	Y	J	Y	Y	
10	886042	20	1				38	3	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	N	15.3	2.9	15				Y	
11	881750	22	2			1	28	0	N	Y	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	N	12	3.2	15.3	Y	LBW		Y	
12	881869	24	2	1	0		35	1	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	N	13	2.2	13.3				Y	
13	882323	21	1				28	4	N	N	N	N	N	N	N	13	B	P	N	N	N	N	N	N	N	N	N	13.1	3.3	14	Y	RD		Y	
14	882391	20	2	1	1		39.6	3	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	N	12	3.4	15				Y	
15	881552	21	2	1	1		39.6	0	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	N	12.2	3.3	15	Y	LBW		Y	
16	881303	30	1				37	1	N	N	N	N	N	N	N	10	B	N	N	N	N	N	N	N	N	N	N		2.5					N	Y
17	881527	26	3	1	1	1	37	2	N	Y	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	N	12.1	2.8	26	Y	J	Y	Y	
18	881529	36	3	2	2	1	37	1	N	Y	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	N	13.1	3	22	Y	J	Y	Y	
19	881591	30	3	1	1	1	36	2	N	Y	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	N	15.3	2.4	23				Y	
20	881078	21	1				35	3	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	N	13	2.4	23				Y	
21	884088	23	3	1	1	1	39	4	N	Y	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	N	13	2.9	24	Y	CA		Y	
22	**884387**	**22**	1				35	5	**Y**	**N**	**N**	**N**	**N**	**N**	**N**	**11**	B	**P**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**14**	1.3	**24**				**Y**	
23	884392	24	2	1	1		37	2	N	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N	N	13	2.7	24				Y	
24	884446	21	2	1	1		38	3	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	N								
25	884674	22	1				28	3	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	N	14	2.8	25	Y	J	Y	Y	
26	884445	22	1				37	3	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	N	12	2.6	25				Y	
27	884500	21	2	1	1		38	5	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	N								
28	884737	21	1				38	5	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	N								
29	884842	22	2	1	1		39	5	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	N	12	2.5	23				Y	
30	882159	23	2			1	37	2	Y	Y	N	N	N	N	N	7	B	P	N	N	N	N	N	N	N	N	N	12	3.3	23	Y	J	Y	Y	
31	874141	27	2	1	1		35	6	Y	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	N	14	2.1	24				Y	
32	873939	20	1				37	5	N	N	N	N	N	N	N	10	B	N	N	N	N	N	N	N	N	N	N	12	3.2	24	Y	CA		Y	
33	874191	21	1				31	2	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	N	14	2.8	25				Y	
34	874178	21	1				37	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	N	14	3.4	25				Y	
35	885452	21	1				37	1	N	N	N	N	N	N	N	13	B	P	N	N	N	N	N	N	N	N	N		3					N	Y
36	892327	28	2	1	1		38	1	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	N	12	2.8	26	Y	J	Y	Y	
37	883831	27	5	4	1		32	1	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	N	12	2.1	26	Y	LBW		Y	
38	881543	23	2	1	0		37	1	Y	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	N	14	3	26				Y	
39	881490	24	3	2	0		39	3	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	N	13	1.3	14				Y	
40	879062	28	2	2	0		36	5	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	N	12	2.8	13	Y	LBW		Y	
41	874877	24	2	1	0		31	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	N	12	1.8	14				Y	
42	879393	36	7	1	1	5	36	2	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	N	12	2.9	14	Y	J	Y	Y	
43	876633	30	5	2	1	2	39	2	N	N	N	N	N	N	N	13	B	P	N	N	N	N	N	N	N	N	N	15	3.5	15	Y	LBW		Y	
44	880907	24	7	2	2	4	39	6	N	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N	N	13	3	17				Y	
45	881533	21	3	1	1	1	39	6	Y	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	N		2.5					N	Y
46	884357	25	4	3	0		38	2	Y	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	N	12	2	14	Y	J	Y	Y	
47	884350	22	4	3	0		37	0	N	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N	N	12	1.5	16				Y	
48	863644	20	2			1	28		N	Y	N	N	N	N	N	10	B	N	N	N	N	N	N	N	N	N	N	13	1	15				Y	
49	885450	21	1				37	1	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	N	14	2.7	17				Y	
50	885330	30	4	3	2		39	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	N	15	3	18				Y	
51	884360	30	3	2	2		37	2	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	N	13	3	19				Y	
52	894862	23	3		2		35	0	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	N								
53	896557	24	2	1	1		37	4	Y	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	N	12	2.5	15				Y	
54	890291	24	2	1	1		39	6	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	N	13	2.1	20				Y	
55	889218	21	1				39	3	N	N	N	N	N	N	N	13	A	P	N	N	N	N	N	N	N	N	N	13	2.1	21	Y	J	Y	Y	
56	894631	21	3	2	1		38	4	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	N		2.8					N	Y
57	894084	22	2	1	1		38	2	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	N								
58	891425	23	4	1	1	2	39	1	N	Y	N	N	N	N	N	7	B	P	N	N	N	N	N	N	N	N	N	14	2.7	22				Y	
59	884922	20	2	1	1		35	6	Y	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	N	15	3.5	13				Y	
60	884979	23	3	2	2		37	3	Y	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	N	16	2.2	21	Y	LBW		Y	
61	887659	25	3	2	2		37	1	N	N	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	N	16	2.5	22				Y	
62	884800	22	1				38	2	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	N								
63	884930	29	1				33	3	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	N	12	1.3	23				Y	
64	887826	30	2	1	1		39	1	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	N	15	2.7	24				Y	
65	884842	22	2	1	1		39	5	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	N	15	2.5	23	Y	J	Y	Y	
66	889646	20	1				39	0	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	N	13	2.8	24	Y	J	Y	Y	

67	897575	22	2	1	1		37	1	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	15	3	23	Y	J	Y	Y	
68	888240	20	3	2	2		37	4	N	N	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	14	3	24	Y	J	Y	Y	
69	888088	23	2	1	1		38	6	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	13	2.8	24	Y	J	Y	Y	
70	892832	25	1				39	1	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	16	3.5	25				Y	
71	885416	25	2	1	1		37	3	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	13	3.7	26				Y	
72	897795	28	4	2	2	1	39	3	N	Y	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	14	3.1	24				Y	
73	888600	27	2	1	1		39	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	13	2.7	24	Y	CA		Y	
74	887210	20	1				37	1	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	14	2.6	23				Y	
75	891417	22	3	2	2		37	0	Y	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	14	3.8	23				Y	
76	899122	22	2	1	1		38	5	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N		2.8					N	Y
77	895219	20	2	1	1		37	2	N	N	N	N	N	N	N	11	A	N	N	N	N	N	N	N	N	N	13	3.7	24				Y	
78	885350	22	2	1	1		37	3	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	15	3.1	17	Y	LBW		Y	
79	884685	22	1				36.6	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	14	2.8	16				Y	
80	880378	25	2	1	1		38	4	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	3	16				Y	
81	880426	26	1				37	1	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	13	2.5	16	Y	LBW		Y	
82	880621	27	3	2	2		33	6	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	12	3.5	17				Y	
83	880552	21	1				39	1	Y	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N								
84	880611	27	1				37	0	N	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N								
85	889914	22	1				39	3	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	3.6	17				Y	
86	880671	25	4	1	1	2	39	4	N	Y	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N								
87	879892	34	2	1	1		38	4	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	12	2.5	16				Y	
88	879436	21	1				38	1	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	12	2.3	18				Y	
89	879546	22	1				38	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N								
90	879591	25	5	2	2	2	39.6	6	N	Y	Y	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	13	2.8	18				Y	
91	879667	21	1				37	6	N	N	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	16	2.9	24	Y	J	Y	Y	
92	880011	22	1				39.6	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N								
93	880027	21	3	2	2		38	5	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N								
94	880331	22	3	2	2		39	0	Y	N	N	N	N	N	N	9.2	A	N	N	N	N	N	N	N	N	N		2.5					N	Y
95	880423	30	3	2	2		39.6	0	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	2.5	27				Y	
96	880384	23	1				29	4	N	N	N	N	N	N	N	7	A	P	N	N	N	N	N	N	N	N	13	1.3	25				Y	
97	880357	35	3	2	2		36	5	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	16	2.9	26	Y	CA		Y	
98	878150	19	3	2	2		37	6	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	14	3	25				Y	
99	878916	29	3	2	1		37	3	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N								
100	878199	21	1				40	2	N	N	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	14	3.2	27				Y	
101	878270	22	2			1	39.6	3	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	13	3.2	27	Y	CA		Y	
102	880672	28	3	2	2		36	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	14	2.9	13	Y	LBW		Y	
103	879113	24	2	1	1		39	3	Y	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	2.5	14				Y	
104	879139	21	2	1	1		39	1	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	12	3.2	15				Y	
105	879378	27	5	2	2	2	39	2	N	Y	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N		3.3					N	Y
106	879348	28	1				35	1	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	13	2.1	17				Y	
107	879179	25	2	1	1		37	0	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	12	3.3	16	Y	J	Y	Y	
108	879425	26	1				38	5	N	N	N	N	N	N	N	7.6	O	P	N	N	N	N	N	N	N	N	12.1	2.1	17				Y	
109	879395	24	1				37	0	N	N	N	N	N	N	N	11.2	O	P	N	N	N	N	N	N	N	N	15	2.1	18	Y	J	Y	Y	
110	889973	24	2			1	37	4	N	Y	N	N	N	N	N	13	A	P	N	N	N	N	N	N	N	N	15	2.8	17				Y	
111	883361	21	2	1	0		38	2	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.6	16				Y	
112	883752	20	4	3	3		36.6	2	Y	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N								
113	886473	23	3	2	2		38	2	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N								
114	883392	28	2	1	1		37	4	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	3	17				Y	
115	883271	22	2	1	1		39		N	N	N	N	N	N	N	10	A	N	N	N	N	N	N	N	N	N	15	2.6	18				Y	
116	883388	21	1				38	3	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	14	3.2	17				Y	
117	883396	22	1				39	2	Y	N	N	N	N	N	N	9.4	O	P	N	N	N	N	N	N	N	N	15	2.7	18				Y	
118	883426	22	5		1		33	4	N	N	N	N	N	N	N	6	B	P	N	N	N	N	N	N	N	N	15	1.8	19				Y	
119	883173	21	2	1	1		39	2	Y	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N	16	3	18				Y	
120	883657	22	1				39	1	N	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N								
121	883655	24	2			1	37	1	N	Y	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.2	18				Y	
122	884400	22	1				39	5	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.6	15	Y	J	Y	Y	
123	884360	26	1				37	2	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	16	3	15	Y	J	Y	Y	
124	883848	23	1				39	5	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	16	2.5	16	Y	J	Y	Y	
125	883869	27	2	1	1		37	0	N	N	N	N	N	N	N	13	B	P	N	N	N	N	N	N	N	N	16	2.8	17				Y	
126	883823	22	1				38	1	Y	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	17	1.6	17	Y	CA		Y	
127	883827	35	1				35	6	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	16	2.1	16				Y	
128	883980	26	1				37		Y	N	N	N	N	N	N	9.8	A	P	N	N	N	N	N	N	N	N	15	2.8	22				Y	
129	884083	21	1				36	2	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	17	2.1	21				Y	
130	878932	24	1				39	4	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.8	20				Y	
131	879021	28	5	2	2	2	33	2	N	Y	Y	N	N	N	N	8.3	O	P	N	N	N	N	N	N	N	N		1.3					N	Y
132	878973	24	3	2	2		37	1	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N								
133	879036	21	1				36	6	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	16	1.2					Y	
134	878210	21	1				39	1	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	17	2.1	25				Y	
135	878739	25	2	1	1		39	6	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	18	3.2	25				Y	
136	878812	22	2			1	39.6	3	N	Y	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	18	3.3	22				Y	
137	878750	28	2	1	1		37	3	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N								
138	883137	28	2	1	0		39	5	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	17	3.6	22				Y	
139	878408	35	4	3	2		35	0	Y	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	18	2.1	16	Y	J	Y	Y	
140	878464	27	2	1	1		38	3	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	16	2.8	15	Y	J	Y	Y	
141	879063	22	1				35		N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	16	1.9	17	Y	J	Y	Y	
142	878270	22	2			1	37	3	N	Y	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	17	3.8	16				Y	
143	878114	23	1				38	0	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N		3.4					N	Y
144	877616	22	2	1	1		39	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.1	18				Y	
145	877429	22	2	1	1		36	2	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N								
146	876333	20	2	1	0		39	0	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	18	2.2	17				Y	
147	878423	23	1				39	6	Y	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	18	2.6	18				Y	

148	876935	20	1				38	6	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	17	2.3	18	Y	J	Y	Y	
149	878290	28	1				38	6	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	2.8	17				Y	
150	878676	26	1				39	2	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	17	2.1	17				Y	
151	878668	28	1				37	6	N	N	N	N	N	N	N	9.2	A	P	N	N	N	N	N	N	N	N	17	3.1	16				Y	
152	877311	28	2	1	1		37	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.8	17				Y	
153	877502	24	2	1	1		39	1	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	19	3.2	16	Y	LBW		Y	
154	877475	28	1				39	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.6	17				Y	
155	877230	22	1				36	2	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	12	2.3	17				Y	
156	876492	22	1				37	1	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	12	2.1	17				Y	
157	877094	27	2	1	1		38	2	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	3	16				Y	
158	875030	20	1				39	0	N	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N	15	2.1	16				Y	
159	874260	23	1				36	1	N	N	N	N	N	N	N	8.2	O	P	N	N	N	N	N	N	N	N	13	2.9	15	Y	LBW		Y	
160	877961	26	2	1	1		36	3	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	18	2.9	16				Y	
161	881185	20	1				37	1	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	15	2.3	16				Y	
162	881422	23	1				38	3	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	2.3	16				Y	
163	881279	25	1				36	6	Y	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.2	17	Y	LBW		Y	
164	881418	22	2			1	38	6	N	Y	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	17	2.5	17				Y	
165	881353	27	1				38	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	14	2.8	18				Y	
166	881444	21	1				38	5	N	N	N	N	N	N	N	10	O	N	N	N	N	N	N	N	N	N	15	1.8	18	Y	CA		Y	
167	881452	21	2			1	32		N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	14	1.4	17				Y	
168	892756	23	1				38		N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.5	17	Y	LBW		Y	
169	881220	23	1				38	0	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	2.1	17				Y	
170	881070	21	2	1	1		38	3	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.5	16				Y	
171	880725	24	1				33	6	Y	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	13	1.2	17				Y	
172	880720	25	1				38	1	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N		3.5					N	Y
173	880817	24	1				35	5	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	15	2.8	19	Y	LBW		Y	
174	880649	20	1				37	3	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	13	2.9	18				Y	
175	880602	24	2			1	37	2	N	Y	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	12	3.1	16				Y	
176	881891	21	1				37	5	Y	N	N	N	N	Y	Y	10	O	P	N	N	N	N	N	N	N	N	15	2.2	18				Y	
177	880894	22	1				38	2	N	N	N	N	N	N	N	7.2	O	P	N	N	N	N	N	N	N	N	16	2.5	19				Y	
178	880842	22	2	1	1		37	6	N	N	N	N	N	N	N	11.4	O	P	N	N	N	N	N	N	N	N								
179	880835	27	1				38	5	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	15	3.6	21				Y	
180	874347	24	1				35	6	Y	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	15	2.5	23				Y	
181	874350	21	2	1	1		40	4	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	14	3.1	21	Y	J	Y	Y	
182	871504	25	1				37	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N		2.8					N	Y
183	872839	22	2	1	1		33	1	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	14	1.8	22				Y	
184	872885	22	3	2	1		38	3	N	N	N	N	N	N	N	11	A	N	N	N	N	N	N	N	N	N	14	2.9	23				Y	
185	872834	25	4	1	1	1	37	4	N	Y	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	2.3	26	Y	J	Y	Y	
186	871771	25	2	1	1		38		N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N								
187	871936	20	1				38	1	N	N	N	N	N	N	N	7	B	P	N	N	N	N	N	N	N	N	15	2.9	17				Y	
188	872992	21	1				39	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.8	17				Y	
189	872697	22	1				35	2	Y	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	1.7	18	Y	J	Y	Y	
190	872092	22	1				37	4	N	N	N	N	N	N	N	13	B	P	N	N	N	N	N	N	N	N	14	2.3	17				Y	
191	871961	22	1				38	6	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	13	2.8	18				Y	
192	871761	23	1				32	5	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	16	1	18	Y	J	Y	Y	
193	871936	23	2	1	1		36	4	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	16	2.6	18				Y	
194	872112	26	1				38	5	N	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N	16	2.5	18				Y	
195	873139	26	3	2	2		28	3	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	17	1	16				Y	
196	873939	22	1				41		N	N	N	N	N	Y	N	9	O	N	N	N	N	N	N	N	N	N	16	3.2	15				Y	
197	874061	30	2			1	32	0	N	N	N	N	N	N	N	13	A	P	N	N	N	N	N	N	N	N	17	1.8	16	Y	J	Y	Y	
198	874123	22	2	1	1		38		N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	1.2	17				Y	
199	875505	22	1				40		N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N								
200	869823	23	2	1	1		34		N	N	N	N	N	N	N	8.6	A	P	N	N	N	N	N	N	N	N	14	2.1	16	Y	J	Y	Y	
201	878669	27	2			1	39	2	N	Y	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	15	2.7	17				Y	
202	878306	22	1				38	1	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.8	16				Y	
203	878559	24	1				39	6	N	N	N	N	N	N	N	7.5	O	P	N	N	N	N	N	N	N	N	15	2.5	17				Y	
204	878543	22	2	1	1		38	4	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	15	2.9	17				Y	
205	878526	22	3	1	1	1	38	0	N	Y	N	N	N	N	Y	10	O	P	N	N	N	N	N	N	N	N	13	3.2	17	Y	J	Y	Y	
206	878573	22	1				37	1	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	12	3.4	23				Y	
207	878385	21	2	1	1		36	2	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	15	2.8	14	Y	J	Y	Y	
208	878454	24	2			1	32	2	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	14	2.2	15				Y	
209	877383	23	3	2		1	39	5	N	Y	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	15	2.2	16	Y	J	Y	Y	
210	877663	29	2	1		1	39	6	N	N	N	N	N	N	N	13	B	P	N	N	N	N	N	N	N	N	15	2.8	17	Y	J	Y	Y	
211	877765	24	3	1	1		39	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	16	2.8	17				Y	
212	877881	28	1				37	4	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	15	2.9	17				Y	
213	878168	22	2	1	0		38	4	N	N	N	N	N	N	N	11	A	N	N	N	N	N	N	N	N	N	16	2.1	17				Y	
214	877851	25	2			1	39	0	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	16	2.7	`8				Y	
215	800061	26	3			2	30	0	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	14	1.3	18	Y	LBW		Y	
216	875673	22	2			1	39	6	N	N	N	N	Y	N	12	B	P	N	N	N	N	N	N	N	N	14	1.8	19	Y	J	Y	Y	
217	875478	23	2	1	1		38	5	N	N	N	N	N	N	N	9	B	N	N	N	N	N	N	N	N	N	15	3.4	16				Y	
218	879395	24	1				37	0	N	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N								
219	878583	23	4	3	3		39	0	N	N	N	N	N	N	N	11	O	N	N	N	N	N	N	N	N	N	14	2.1	16				Y	
220	879959	21	2	1	1		39	0	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N								
221	880012	22	3	1	1	1	39	3	N	N	N	N	N	N	N	6	O	P	N	N	N	N	N	N	N	N	13	2.7	17				Y	
222	880185	21	1				37	3	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	13	2.2	17	Y	J	Y	Y	
223	875669	22	2			1	39	2	N	Y	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	13	2.8	15				Y	
224	878119	25	4	3	3		39	0	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N		3.4					N	Y
225	877991	27	2	1	1		33	2	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	14	3.5	17				Y	
226	878338	22	2	1	1		38	6	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	14	3.1	16	Y	LBW		Y	
227	877755	21	3	2	2		38	2	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	14	3.5	17				Y	
228	880291	23	3			2	38	4	N	YY	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	3.6	16				Y	

229	878974	24	3			2	39	1	N	N	N	N	N	N	N	13	A	P	N	N	N	N	N	N	N	N	15	2.7	17	Y	J	Y	Y	
230	888138	22	3	1	1	1	33	5	N	Y	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.8	17				Y	
231	888470	21	2	1	1		37	1	N	N	N	N	N	N	N	10	O	N	N	N	N	N	N	N	N	N	16	2.7	16				Y	
232	888166	22	2			1	35	1	N	Y	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N								
233	893632	28	2	1	1		38	2	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	15	2.8	18				Y	
234	880077	29	1				37	3	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	14	2.8	18	Y	J	Y	Y	
235	880277	24	1				39	5	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	14	2.8	17				Y	
236	880262	22	5	3	3	1	38	2	N	Y	N	N	N	N	N	7	A	P	N	N	N	N	N	N	N	N		2.9					N	Y
237	880277	21	4	2	2	1	40	6	N	N	N	N	N	N	N	6	AB	P	N	N	N	N	N	N	N	N	14	3.5	18				Y	
238	880257	20	2			1	39	2	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	2.7	17				Y	
239	878210	25	3	1	1	1	39	1	N	Y	N	N	N	N	N	13	B	P	N	N	N	N	N	N	N	N								
240	873365	25	3			2	32	6	Y	Y	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	3.5	18				Y	
241	903061	22	2	1	1		38	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	3.2	17	Y	J	Y	Y	
242	894282	23	2	1	1		37	2	N	N	N	N	N	Y	N	10	O	P	N	N	N	N	N	N	N	N	15	2.5	18				Y	
243	887767	25	2	1	0		29	1	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N								
244	889312	24	2	1	1		36	3	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	2.1	`8				Y	
245	889565	24	2			1	31	6	N	Y	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	15	1.8	18				Y	
246	889314	21	2	1	1		35		N	N	N	N	N	N	Y	10	B	P	N	N	N	N	N	N	N	N								
247	890281	24	2	1	1		38	6	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N								
248	890069	20	3	2	1		36	6	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	3	18	Y	J	Y	Y	
249	889635	21	2	1	1		36	6	N	N	N	N	N	N	N	13	B	P	N	N	N	N	N	N	N	N	16	2.7	18				Y	
250	893636	22	2	1	1		35	4	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.6	17	Y	LBW		Y	
251	894406	22	1				32	2	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2.3	15				Y	
252	890917	22	3	2	2		38		N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	14	2.9	13				Y	
253	889764	22	3	2	1		39	3	N	N	N	N	N	N	N	13	AB	N	N	N	N	N	N	N	N	N	14	2.5	21				Y	
254	889898	22	3	1	1	1	37	2	Y	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	3.5	27	Y	J	Y	Y	
255	890285	22	2	1	1		33	5	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	3.5	24	Y	LBW		Y	
256	889712	23	1				33	5	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N		1.4					N	Y
257	889658	20	2	1	1		39	1	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	15	3.1	22				Y	
258	894890	24	4	1	0	2	37	3	N	Y	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	2.8	21				Y	
259	891082	22	3	1	1	1	38		N	Y	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	3.8	17				Y	
260	906633	22	2	1	0		33	0	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N		2.6					N	Y
261	889314	35	2	1	1		39		N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	2.8	16				Y	
262	896141	22	2			1	39	5	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	14	2.4	16				Y	
263	905426	22	2			1	39	5	N	Y	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	16	2.9	18	Y	J	Y	Y	
264	901481	23	2			1	38	0	N	Y	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	14	2.7	18	Y	J	Y	Y	
265	906122	24	3	2	2		37	5	N	N	N	N	N	Y	N	12	B	P	N	N	N	N	N	N	N	N	20	3.9	17	Y	J	Y	Y	
266	903712	22	4	3	3		39	6	Y	N	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	14	2.8	17	Y	J	Y	Y	
267	891397	25	2	1	1		39	4	N	N	N	N	N	N	N	12	O	N	N	N	N	N	N	N	N	N	13	3.3	18				Y	
268	912707	22	2			1	35	3	N	Y	N	N	N	N	N	9.8	O	P	N	N	N	N	N	N	N	N	15	2.7	17				Y	
269	890707	22	2	1	1		39	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	13	2.1	17				Y	
270	889973	28	2			1	34	4	N	Y	N	N	N	N	N	13	A	P	N	N	N	N	N	N	N	N	13	2.2	18	Y	J	Y	Y	
271	890742	28	3	2	2		36	1	N	N	N	N	N	N	Y	11	O	P	N	N	N	N	N	N	N	N		2.3					N	Y
272	890107	28	2	1	0	1	29	2	N	Y	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N								
273	890967	25	1				39	1	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	3.1	21				Y	
274	920608	22	2	1	1		37	2	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	14	2.6	22				Y	
275	897273	28	3	1	1	1	39	4	Y	Y	N	N	N	N	N	12	AB	P	N	N	N	N	N	N	N	N	13	2.5	23	Y	J	Y	Y	
276	891379	25	4	2	1	1	38	4	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N		2.8					N	Y
277	890092	22	2			1	38	3	N	Y	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	14	2.8	25				Y	
278	882924	25	2			1	38	0	N	Y	N	N	N	N	N	11	AB	P	N	N	N	N	N	N	N	N	15	2.9	13				Y	
279	883295	20	1				37	1	N	N	N	N	N	N	N	9	AB	P	N	N	N	N	N	N	N	N	15	2.8	15				Y	
280	883554	20	1				37	4	N	N	N	N	N	N	N	9	AB	N	N	N	N	N	N	N	N	N	15	2.8	15	Y	J	Y	Y	
281	876994	27	3	2	1	1	33	4	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	12	1.8	16	Y	J	Y	Y	
282	878030	22	1				38	4	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	13	2.1	15	Y	J	Y	Y	
283	878163	26	3			2	38	2	N	N	N	N	N	N	N	10	O	N	N	N	N	N	N	N	N	N	14	2.8	16	Y	J	Y	Y	
284	878043	20	4	1	1	2	37	0	N	N	N	N	N	N	Y	9	O	P	N	N	N	N	N	N	N	N	15	2.4	17	Y	J	Y	Y	
285	878966	22	1				39	4	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.6	17	Y	J	Y	Y	
286	879050	20	5	3	3	1	39	2	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	15	2.9	17				Y	
287	879277	23	3	2	2		38	1	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.5	15	Y	J	Y	Y	
288	878826	22	3	1	1	1	37	5	N	N	N	N	N	N	N	8.5	AB	N	N	N	N	N	N	N	N	N	16	2.4	17	Y	J	Y	Y	
289	878682	21	4	3	3		39	6	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	16	3.1	17				Y	
290	878888	23	2	1	1		29	1	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	12	1	16				Y	
291	879064	20	3	2	2		39	2	Y	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	13	2.2	16				Y	
292	880054	23	3	2	2		28	0	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	12	3.2	17				Y	
293	881648	25	2			1	39	4	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	12	2.4	17				Y	
294	882962	23	1				37	0	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	13	2.4	16				Y	
295	883025	22	2	1	1		38	3	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N		3					N	Y
296	883029	22	3	1	1	1	39	0	N	Y	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	14	3.7	17				Y	
297	882525	23	2			1	38	4	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N		2.3					N	Y
298	882567	22	3	1	1	1	38	1	N	Y	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.4	17				Y	
299	881897	24	2	1	1		36	4	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	2.2	16				Y	
300	882548	28	4	1	1	2	39	2	N	Y	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	14	2.9	15				Y	
301	892829	27	3	2	2	0	37	0	Y	N	N	N	N	N	N	10	B	N	Y	Y	D						9	3.8	23.5	Y	LBW		Y	
302	878065	27	4	3	3		35	3	N	N	N	N	N	N	N	10.3	AB	N	Y	Y	D,C						11	2.1	20.8	Y	J	Y	Y	
303	892756	23	1				40	0	N	N	N	N	N	N	N	11.1	AB	N	Y	Y	D						14	2.5	10.9	Y	J	Y	Y	
304	872885	22	3	2	2		38	0	N	N	N	N	N	N	N	11	A	N	Y	Y	D,						8	3.5	27.3	Y	J	Y	Y	
305	907709	36	2	1	1		36	1	N	N	N	N	N	N	N	10	AB	N	Y	Y	D,C						11	1.8	19.2	Y	J	Y	Y	
306	879062	28	3	2	2	0	36	5	Y	N	N	N	N	N	N	11	AB	P	Y	Y	C,E						12	2.5	18.8	Y	RD		Y	
307	879727	20	1				39	1	N	N	N	N	N	N	Y	8.2	O	P	Y	Y						Le	13	2.4	15.4	Y	J	Y	Y	
308	896553	22	1				28	0	N	N	N	N	N	N	N	10.8	O	N	Y	Y	D						13	2	16.6	Y	J	Y	Y	
309	894465	24	5	3	2	1	39	4	Y	Y	Y	N	N	N	N	9.7	A	P	Y	Y	c			Jk			12	3.1	14.8	Y	J	Y	Y	

310	885607	22	3	2	1	1	31	5	N	Y	N	N	N	N	N	12.5	A	N	Y	Y	D						13	1.5	16.8	Y	LBW		Y	
311	882594	22	3	2	2		39	0	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	12	2.9	17				Y	
312	882273	28	2	1	1		37	5	Y	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N	13	2.1	17				Y	
313	881851	28	2	1	1		39	5	N	N	N	N	N	N	N	12	AB	P	N	N	N	N	N	N	N	N	13	3.3	`8				Y	
314	881957	26	4	3	3		36	4	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	15	2.7	17				Y	
315	881947	25	4	2	2	1	38		N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.6	18				Y	
316	881924	23	2	1	1		38	5	N	N	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	15	3	18				Y	
317	881806	20	3	2	1		39	6	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	2.9	18	Y	J	Y	Y	
318	881532	21	3	2	1	1	38	1	N	Y	N	N	N	N	N	6	A	N	N	N	N	N	N	N	N	N	15	2.5	17				Y	
319	881683	22	2	1	1		37	0	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	14	2.3	17				Y	
320	886201	25	4	3	3		36	2	N	N	N	N	N	N	N	8	A	N	N	N	N	N	N	N	N	N	14	2.4	18	Y	LBW		Y	
321	884390	21	4	3	3		38	5	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	3.3	18				Y	
322	884405	22	2	1	1		37	4	N	N	N	N	N	Y	N	12	O	P	N	N	N	N	N	N	N	N	15	3.2	19				Y	
323	884326	23	3			2	37	1	N	Y	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	2.8	17				Y	
324	889841	22	2	1	1		38	1	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	12	2.7	17	Y	J	Y	Y	
325	884700	22	3	2	2		30	2	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	2.8	17				Y	
326	884685	23	1				36	5	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	16	2.8	18				Y	
327	881671	28	4	3	3		38	1	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	16	2.6	18	Y	LBW		Y	
328	881658	29	5	2	2	2	37	1	N	Y	N	N	N	N	N	6	B	P	N	N	N	N	N	N	N	N	16	2.3	18				Y	
329	904261	22	6	2	0	3	36	0	N	Y	N	N	N	N	N	9	AB	P	N	N	N	N	N	N	N	N		2.4					N	Y
330	905823	26	2	1	1		38	5	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	14	2.1	15				Y	
331	898249	25	1				38	1	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	14	3.1	15				Y	
332	898673	24	4	3	3		38	2	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	15	2.8	26	Y	J	Y	Y	
333	915676	23	3	2	2		39	2	N	N	N	N	N	N	Y	12.9	O	P	N	N	N	N	N	N	N	N	14	2.1	13	Y	LBW		Y	
334	901622	22	2	1	1		39	3	N	N	N	N	N	Y	N	11	O	P	N	N	N	N	N	N	N	N	14	2.5	14				Y	
335	913457	20	2	1	1		37	3	N	N	N	N	N	N	N	9	O	N	N	N	N	N	N	N	N	N		3					N	Y
336	905885	28	4	2	2	1	37	0	N	Y	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	3	17				Y	
337	908075	23	4	3	3		38	2	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	2.2	26	Y	LBW		Y	
338	902502	22	1				37	1	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.8	15				Y	
339	911717	23	3	2	0		38	4	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	16	3.1	17	Y	J	Y	Y	
340	897855	21	1	35	2		39		N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	2.1	17				Y	
341	903055	25	3	2	2		38	1	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	16	3.4	18	Y	LBW		Y	
342	906679	27	4	3	3		39	3	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	16	2.4	18				Y	
343	903527	31	2	1	1		39	3	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	3.4	19				Y	
344	898722	28	3	2	2		38	4	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	15	2.8	19				Y	
345	899585	26	3	2	2		39	0	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.9	21	Y	LBW		Y	
346	906103	24	3	2	1		37	5	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	14	3	20				Y	
347	907906	20	2	1	1		38	6	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	14	2.5	20				Y	
348	901754	21	3	1	1	1	39	3	N	Y	N	N	N	Y	N	10	O	P	N	N	N	N	N	N	N	N	13	2.6	20	Y	J	Y	Y	
349	908972	22	1				28	1	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.4	20				Y	
350	908223	25	3	2	2		40	6	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	14	2.5	19				Y	
351	903213	29	3	2	2		36		N	N	N	N	N	N	Y	8	AB	P	N	N	N	N	N	N	N	N	14	2.4	19				Y	
352	897612	28	3	2	2		32	1	N	N	N	N	N	N	N	6	O	P	N	N	N	N	N	N	N	N	15	2	19	Y	LBW		Y	
353	897443	24	1				38	5	N	N	N	N	N	N	N	8.8	O	P	N	N	N	N	N	N	N	N	15	3.2	18				Y	
354	897428	26	3	1	1	1	37	6	N	Y	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N	15	2.4	18				Y	
355	901372	20	2	1	1		37	6	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	15	3	18	Y	J	Y	Y	
356	901244	21	2	1	1		39	1	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	15	3.2	17				Y	
357	905387	23	2			1	39	4	N	Y	N	N	N	N	N	13	B	P	N	N	N	N	N	N	N	N	17	2.8	17	Y	LBW		Y	
358	900215	34	2	1	1		38	4	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.7	16				Y	
359	879213	20	1				38	6	N	N	N	N	N	N	N	8.2	O	P	N	N	N	N	N	N	N	N	15	2.7	18				Y	
360	897400	22	1				37	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	16	2.3	18				Y	
361	899881	26	3	2	1	1	38	5	N	Y	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N								
362	906002	28	2			1	39		N	Y	N	N	N	N	N	12	A	N	N	N	N	N	N	N	N	N	14	2.9	18				Y	
363	900760	29	5	2	1	2	36	1	N	Y	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	17	2.5	18	Y	J	Y	Y	
364	899468	25	1				39	3	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	13	2.7	15				Y	
365	910311	27	3			2	38	5	N	Y	N	N	N	N	N	9	AB	P	N	N	N	N	N	N	N	N	14	3	23	Y	LBW		Y	
366	897472	26	2	1	1		38	4	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	15	2.7	22				Y	
367	910064	23	2			1	37	1	N	Y	N	N	N	N	N	13	AB	P	N	N	N	N	N	N	N	N	15	2.8	21	Y	LBW		Y	
368	897760	22	3	1	1	1	38	5	N	Y	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	16	2.1	20	Y	LBW		Y	
369	905659	25	3	2	2		38	2	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	15	2.5	19				Y	
370	900852	25	4	2	1	1	40	0	N	Y	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.6	18				Y	
371	897171	26	2	1	1		38	0	N	N	N	N	N	N	Y	10	B	P	N	N	N	N	N	N	N	N		2.6					N	Y
372	903762	23	2			1	33	5	N	Y	N	N	N	N	N	13	O	N	N	N	N	N	N	N	N	N		2.2					N	Y
373	896627	22	1				39	4	N	N	N	N	N	Y	N	11	O	N	N	N	N	N	N	N	N	N	14	3	17	Y	LBW		Y	
374	910253	21	2	1	1		37	3	N	N	N	N	N	N	N	12	AB	P	N	N	N	N	N	N	N	N	14	3	17				Y	
375	901231	28	1				39	5	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	13	2.5	18	Y	J	Y	Y	
376	905649	26	2			1	39	2	N	Y	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N								
377	910577	25	1				38	3	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	16	2.4	18				Y	
378	898968	29	3	2	2		38	4	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.2	18	Y	LBW		Y	
379	914648	25	3	2	1		39	0	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	14	3.2	16				Y	
380	904129	26	3	2	2		38	1	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	14	3.1	17				Y	
381	900460	25	1				38	5	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	2.5	18				Y	
382	898566	23	3	1	1	1	39	6	N	Y	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	14	3.8	20	Y	LBW		Y	
383	897824	22	2	1	1		37	3	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.4	17				Y	
384	907825	20	2	1	1		38		N	N	N	N	N	N	N	12	A	N	N	N	N	N	N	N	N	N	15	2.7	21	Y	RD		Y	
385	895399	31	2			1	39	6	N	Y	N	N	N	N	N	13	A	P	N	N	N	N	N	N	N	N	15	3	20				Y	
386	896708	30	2			1	38	0	N	Y	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	16	2.9	20				Y	
387	893600	25	3	2	2		38	5	N	N	N	N	N	N	Y	11	O	P	N	N	N	N	N	N	N	N	16	2.8	22	Y	J	Y	Y	
388	894658	29	1				33	5	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	17	2.8	23	Y	LBW		Y	
389	914578	22	3	1	1	1	41	0	N	Y	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	14	3.1	24				Y	
390	894800	23	3	1	1	0	31	2	N	N	Y	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	2.2	23				Y	

391	894775	25	2	1	1		39	0	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	16	2.8	17				Y	
392	894768	26	3	2	2		33	3	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N		2.1					Y	Y
393	891151	24	2	1	1		39	5	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	15	2.7	17				Y	
394	890069	28	3	2	1		36	6	N	N	N	N	N	N	N	6	AB	P	N	N	N	N	N	N	N	N	16	3	18	Y	J	Y	Y	
395	896440	29	2	1	1		37	4	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N								
396	889966	24	5	1	1	0	33	0	N	N	Y	Y	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.6	9				Y	
397	894890	22	4	1	1	0	37	3	N	N	Y	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	14	2.8	20				Y	
398	899268	23	5	3	1	1	36	3	N	N	Y	Y	N	N	N	8	AB	P	N	N	N	N	N	N	N	N	14	2.1	26				Y	
399	880723	21	1				37	6	N	N	N	N	N	N	N	10.2	O	N	N	P	D,C						13	3	16.2	Y	RD		Y	
400	883372	26	5	3	1	2	37	2	N	Y	Y	N	N	Y	N	11	B	N	N	P	D,C						14	2.5	10.2	Y	J	Y	Y	
401	882134	25	5	3	2	1	33	2	N	N	Y	Y	N	N	N	8.6	O	P	N	P		K					16	2.6	9.8	Y	J	Y	N	Y
402	906951	25	1				39	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	12	2.5	25				Y	
403	911326	22	2	1	1		38	3	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	13	2.6	27				Y	
404	906421	23	3	1	1		37	5	N	N	N	N	N	N	Y	8	A	P	N	N	N	N	N	N	N	N	12	2.6	22				Y	
405	902727	26	1				38	0	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	13	2.4	20				Y	
406	900750	29	2	1	1		38	5	N	N	N	N	N	N	N	11	O	N	N	N	N	N	N	N	N	N	12	3.4	17	Y	LBW		Y	
407	907410	28	1				35	4	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	13	2.5	19				Y	
408	901656	24	1				38		N	N	N	N	N	N	Y	8	A	P	N	N	N	N	N	N	N	N	14	2.5	19	Y	RD		Y	
409	910606	25	3	1	1	0	38	6	N	N	Y	N	N	N	N	10	O	N	N	N	N	N	N	N	N	N	13	3.2	18				Y	
410	905068	28	2	1	1		36	1	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	13	2.8	18	Y	LBW		Y	
411	905812	31	4	2	0	1	35	6	N	Y	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N		2.4					N	Y
412	914261	25	1				38	6	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	14	2.5	19				Y	
413	901666	25	4	1	1	0	38	3	N	N	Y	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.5	19	Y	LBW		Y	
414	968191	26	3	2	1		37	2	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	15	2.1	18				Y	
415	904863	29	2	1	1		37	6	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.6	17				Y	
416	904863	28	1				39	2	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	3.1	17	Y	LBW		Y	
417	895078	28	1				32	6	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	2.5	17				Y	
418	902438	27	2	1	1		38	2	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	16	2.7	18				Y	
419	910023	26	1				38	1	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	15	2.2	17				Y	
420	906020	25	3	2	2		38	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	3.5	17	Y	RD		Y	
421	907174	22	1				40	0	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N		2.9					N	Y
422	902405	23	1				39	0	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	17	2.5	17				Y	
423	898985	25	3		2		28	1	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	17	2.9	17	Y	J	Y	Y	
424	900299	29	1				38	3	N	N	N	N	N	N	N	11	O	N	N	N	N	N	N	N	N	N	15	2.5	17	Y	J	Y	Y	
425	903304	28	2	1	1		39	4	N	N	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	16	3.3	17	Y	J	Y	Y	
426	906407	27	1				39		N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	16	2.5	17				Y	
427	906797	23	1				38	1	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N								
428	913538	25	1				37	5	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N								
429	876868	25	3	1	1		28	2	N	N	N	Y	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	1.9	18				Y	
430	906020	24	3	1	1	0	35	6	N	N	Y	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	13	2.4	19				Y	
431	905710	26	1				38	0	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	13	2.8	18	Y	LBW		Y	
432	906178	25	2			1	40	1	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	3.9	17				Y	
433	905649	25	2			1	39	2	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N		2.4					N	Y
434	90105	26	1				39	0	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	2.4	17	Y	LBW		Y	
435	909889	25	3	2	2		39	2	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.8	17				Y	
436	903613	28	2	1	1		38	4	N	N	N	N	N	N	N	7	AB	P	N	N	N	N	N	N	N	N	16	2.5	18				Y	
437	900521	29	4	2	2	0	38	0	N	N	Y	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	16	2.4	19	Y	J	Y	Y	
438	906908	28	1				38	3	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	17	2.6	18				Y	
439	912650	25	2	1	1		39	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N								
440	900120	22	3	1	1	0	35	3	N	N	N	Y	N	N	N	10	A	P	N	N	N	N	N	N	N	N	17	2.9	18				Y	
441	908819	23	1			0	36	2	N	N	N	N	N	Y	N	10	O	P	N	N	N	N	N	N	N	N	18	2.6	19				Y	
442	905532	22	2	1	1	0	38	1	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	17	1.8	18	Y	RD		Y	
443	898904	25	5	4	4	0	38	4	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	17	2.6	19				Y	
444	899536	29	2	1	1	0	38	1	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	16	2.6	18				Y	
445	899388	28	1			0	40	2	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	17	3.2	21	Y	RD		Y	
446	905382	28	1			0	39	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.6	20				Y	
447	912045	27	3	1	1	0	38	0	N	N	N	Y	N	N	N	11	B	P	N	N	N	N	N	N	N	N		2.1					N	Y
448	900809	23	2	1	1	0	31	0	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	16	2.7	20				Y	
449	903594	22	2			0	38	5	N	N	N	Y	N	N	N	9	O	P	N	N	N	N	N	N	N	N	17	2.8	22				Y	
450	903040	25	1			0	38	0	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	16	3	23	Y	J	Y	Y	
451	908626	25	2	1	1	0	38	6	N	N	N	N	N	N	N	7	B	P	N	N	N	N	N	N	N	N								
452	906198	22	2	1	1	0	40	6	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	3.1	22				Y	
453	874123	23	1	0	0	0	38	6	Y	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	16	2.4	22				Y	
454	874061	23	2	1	1	0	38	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N								
455	871961	22	2	1	1	0	37	4	N	N	N	N	N	N	N	10	A	N	N	N	N	N	N	N	N	N	16	2.3	20				Y	
456	872092	20	2	1	1	0	38	4	N	N	N	N	N	N	N	12	A	N	N	N	N	N	N	N	N	N	16	2.4	20	Y	LBW		Y	
457	4639731	23	3	2	2	0	39	6	N	N	N	N	N	N	Y	11	B	P	N	N	N	N	N	N	N	N	16	3.2	21				Y	
458	871936	24	4	2	2	0	39	6	N	N	Y	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	17	2.6	16				Y	
459	4640014	24	1	0	0	0	38	5	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	17	2.4	18				Y	
460	4613029	25	2	1	1	0	36	4	N	N	N	N	N	N	N	12	O	N	N	N	N	N	N	N	N	N								
461	4758921	26	2	1	1	0	38	3	N	N	N	N	N	N	N	12	O	N	N	N	N	N	N	N	N	N	18	2.7	22				Y	
462	4621478	23	3	2	2	0	38	6	N	N	N	N	N	N	N	12	O	N	N	N	N	N	N	N	N	N	17	2.1	21	Y	LBW		Y	
463	3743378	24	3	2	2	0	37	6	N	N	N	N	N	N	N	12	A	N	N	N	N	N	N	N	N	N	16	3.2	27				Y	
464	4595724	29	2	1	1	0	33	0	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N		2.7					N	Y
465	3629866	21	2	1	1	0	37	6	N	N	N	N	N	N	N	10	A	N	N	N	N	N	N	N	N	N	19	2.5	21				Y	
466	4578614	21	4	2	2	0	36	0	N	N	Y	N	N	N	Y	8	O	P	N	N	N	N	N	N	N	N	20	2.3	20				Y	
467	874350	24	2	1	1	0	37	1	N	N	N	N	N	N	N	7	O	N	N	N	N	N	N	N	N	N	17	3.1	16				Y	
468	4791413	23	2	1	1	0	38	2	N	N	N	N	N	N	N	10	O	N	N	N	N	N	N	N	N	N	17	3	17	Y	J	Y	Y	
469	874347	25	3	2	2	0	38	3	N	N	N	N	N	Y	N	12	O	P	N	N	N	N	N	N	N	N								
470	834178	25	2	1	1	0	33	1	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	17	2.2	17	Y	RD		Y	
471	4807697	26	4	3	3	0	30	2	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	17	2.4	19				Y	

472	874191	27	2	1	1	0	32	1	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N										
473	4660987	23	1	0	0	0	32	6	N	Y	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	14	2.6	17				Y		
474	3394126	26	2	1	1	0	34	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	3.2	17				Y		
475	481579	26	4	3	3	0	36	4	N	N	N	N	N	N	N	9	A	N	N	N	N	N	N	N	N	N	16	3	17	Y	J	Y	Y		
476	4562854	21	2	1	1	0	37	0	N	N	N	N	N	N	N	10	O	N	N	N	N	N	N	N	N	N	16	3.4	18				Y		
477	4689832	20	1	0	0	0	38	3	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	16	2.5	14	Y	J	Y	Y		
478	4799286	21	1	0	0	0	38	2	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	17	2.9	13				Y		
479	4665461	23	2	0	0	0	37	0	N	N	N	N	Y	N	N	10	B	P	N	N	N	N	N	N	N	N	18	1.9	15				Y		
480	4282607	21	1	0	0	0	32	3	Y	N	N	N	N	N	N	12	O	N	N	N	N	N	N	N	N	N									
481	4815280	24	1	0	0	0	33	5	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	16	2.7	21				Y		
482	4815051	25	2	1	1	0	37	4	N	N	N	N	N	N	N	10	A	N	N	N	N	N	N	N	N	N	15	3.1	20				Y		
483	4767437	26	2	1	1	0	36	3	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	15	2.6	27				Y		
484	4815708	21	3	2	2	0	37	0	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N									
485	4814899	20	2	1	1	0	38	2	N	N	N	N	N	N	N	10	O	N	N	N	N	N	N	N	N	N	17	1.9	18				Y		
486	875557	28	1	0	0	0	34	1	N	N	N	N	N	N	N	10	B	N	N	N	N	N	N	N	N	N	17	2.2	21				Y		
487	876986	27	1	0	0	0	36	0	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	17	2.7	20	Y	J	Y	Y		
488	482343	20	2	1	1	0	36	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	3.2	17	Y	J	Y	Y		
489	3526311	23	2	1	1	0	37	4	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	15	3	17	Y	J	Y	Y		
490	480596	22	1	0	0	0	39	4	N	N	N	N	N	N	N	10	A	N	N	N	N	N	N	N	N	N									
491	4756504	23	1	0	0	0	37	3	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.5	16	Y	J	Y	Y		
492	4550023	22	2	1	1	0	40	4	N	N	N	N	N	N	N	9	O	N	N	N	N	N	N	N	N	N	16	3.5	17	Y	J	Y	Y		
493	4031999	23	2	1	1	0	30	5	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N									
494	4647585	24	3	2	2	0	31	4	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	16	3.3	18	Y	J	Y	Y		
495	3194933	25	2	1	1	0	34	5	N	N	N	N	N	N	N	12	B	N	N	N	N	N	N	N	N	N	17	3	17	Y	J	Y	Y		
496	4799588	22	2	1	1	0	35	6	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N									
497	4731622	21	2	1	1	0	36	0	N	N	N	N	N	N	N	10	B	N	N	N	N	N	N	N	N	N	18	2.9	18	Y	J	Y	Y		
498	4770081	34	1	0	0	0	37	1	N	N	N	N	N	N	N	10	AB	N	N	N	N	N	N	N	N	N	18	2.7	19	Y	J	Y	Y		
499	4815280	23	1	0	0	0	39	4	N	N	N	N	N	N	N	7	O	N	N	N	N	N	N	N	N	N	19	2.5	20	Y	J	Y	Y		
500	4647367	30	4	3	3	0	37	0	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	19	2.2	21				Y		
501	4832828	24	3	2	2	0	38	5	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	16	3.5	23				Y		
502	4641146	25	3	2	2	0	38	0	N	N	N	N	N	Y	N	12	A	P	N	N	N	N	N	N	N	N									
503	4771902	25	2	1	1	0	38	2	N	N	N	N	N	N	N	11	O	N	N	N	N	N	N	N	N	N	16	3.2	22				Y		
504	4827416	23	2	1	1	0	34	4	N	N	N	N	N	N	N	8	A	N	N	N	N	N	N	N	N	N	15	3	21	Y	RD		Y		
505	4794937	24	1	0	0	0	35	3	N	N	N	N	N	N	N	9	AB	P	N	N	N	N	N	N	N	N	15	2.7	16				Y		
506	4780063	25	1	0	0	0	36	5	N	N	N	N	N	N	N	9	AB	N	N	N	N	N	N	N	N	N	15	2.8	18				Y		
507	4721696	26	4	3	3	0	37	6	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	16	3.5	23				Y		
508	4757968	23	2	0	0	0	34	0	N	N	Y	N	N	N	N	9	O	N	N	N	N	N	N	N	N	N	17	2.4	27				Y		
509	4194355	22	5	3	3	0	32	0	N	N	Y	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	17	2.2	18				Y		
510	4629340	23	2	0	0	0	32	1	N	N	N	Y	N	N	N	9	O	P	N	N	N	N	N	N	N	N									
511	4601945	21	1	0	0	0	34	2	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	17	3.1	17				Y		
512	4844303	20	1	0	0	0	35	1	Y	N	N	N	N	N	Y	9	O	P	N	N	N	N	N	N	N	N	17	2.5	17				Y		
513	4593004	23	2	1	1	0	38	1	N	N	N	N	N	N	N	9	B	N	N	N	N	N	N	N	N	N	18	2.9	17	Y	J	Y	Y		
514	4703310	23	2	1	1	0	38	2	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	18	3.5	18				Y		
515	4743817	24	2	1	1	0	39	1	N	N	N	N	N	N	N	9	A	N	N	N	N	N	N	N	N	N	18	2.3	14				Y		
516	4774727	25	3	2	2	0	38	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	18	2.5	15				Y		
517	4040005	26	2	1	1	0	37	3	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	18	2.5	21	Y	J	Y	Y		
518	4611273	27	2	1	1	0	38	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	19	2.9	20				Y		
519	4851662	23	3	1	1	0	41	2	N	Y	N	Y	N	N	N	7	B	P	N	N	N	N	N	N	N	N	19	2.7	17				Y		
520	4623345	22	1	0	0	0	37	2	N	N	N	N	N	N	N	10	O	N	N	N	N	N	N	N	N	N	18	2.6	17				Y		
521	4842876	21	2	1	0	1	33	2	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	18	2.4	16	Y	J	Y	Y		
522	4774401	23	2	1	1	0	37	1	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	18	3	15				Y		
523	4796557	23	2	1	1	0	36	0	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	16	3.2	13				Y		
524	4628701	24	1	0	0	0	38	1	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	3.1	15				Y		
525	4766051	25	2	1	1	0	38	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N		2.8					N	Y
526	4811538	26	1	0	0	0	39	4	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N									
527	4819450	26	4	2	2	0	30	3	N	N	N	Y	N	N	N	10	B	N	N	N	N	N	N	N	N	N	16	2.1	17				Y		
528	4669279	25	3	2	2	0	32	2	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	16	2.4	17	Y	J	Y	Y		
529	4775986	23	2	1	1	0	31	3	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	17	2.5	17				Y		
530	4647278	22	2	1	1	0	31	4	N	N	N	N	N	N	N	11	A	N	N	N	N	N	N	N	N	N	17	2.4	18	Y	J	Y	Y		
531	4807646	22	1	0	0	0	35	3	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	17	3.1	18	Y	J	Y	Y		
532	4815044	21	1	0	0	0	34	2	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	17	3	18	Y	J	Y	Y		
533	929793	21	2	1	1	0	35	1	N	N	N	N	N	N	N	13	B	P	N	N	N	N	N	N	N	N	17	2.7	19	Y	J	Y	Y		
534	929443	27	3	2	2	0	34	2	N	N	N	N	N	N	N	12	O	N	N	N	N	N	N	N	N	N	18	2.9	17	Y	J	Y	Y		
535	929529	27	3	2	2	0	29	1	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	18	2.4	17	Y	J	Y	Y		
536	929719	28	2	1	1	0	28	2	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N									
537	928558	22	1	0	0	0	31	4	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N									
538	929224	23	2	1	1	0	30	5	N	N	N	N	N	N	N	9	B	N	N	N	N	N	N	N	N	N	16	2.4	17				Y		
539	93000	23	1	0	0	0	34	6	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	17	2.8	17				Y		
540	929421	23	2	1	1	0	37	4	N	N	N	N	N	N	N		AB	P	N	N	N	N	N	N	N	N	18	3.1	18				Y		
541	940852	23	1	0	0	0	33	0	N	N	N	N	N	N	N	10	AB	N	N	N	N	N	N	N	N	N									
542	936251	24	3	2	2	0	37	0	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	17	3	17				Y		
543	939207	26	3	2	2	0	33	2	N	N	N	N	N	N	N	10	B	N	N	N	N	N	N	N	N	N									
544	940896	27	4	3	3	0	37	1	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	16	2.6	23				Y		
545	941245	26	3	2	2	0	36	3	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.9	20				Y		
546	941292	27	2	1	1	0	38	1	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.9	13				Y		
547	941232	28	2	1	1	0	35	4	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	16	3	27				Y		
548	5220310	22	1	0	0	0	34	1	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N									
549	941516	23	2	1	1	0	37	1	N	N	N	N	N	N	N	8	AB	P	N	N	N	N	N	N	N	N	15	1.8	21				Y		
550	951516	24	1	0	0	0	38	1	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.1	19				Y		
551	941310	25	1	0	0	0	39	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.2	20				Y		
552	941257	25	2	1	1	0	35	1	N	N	N	N	N	N	N	9	B	N	N	N	N	N	N	N	N	N	17	2.3	19	Y	J	Y	Y		

553	939205	26	3	2	2	0	35	3	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	17	2.4	18				Y	
554	939801	22	2	1	1	0	33	1	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	15	2.5	18				Y	
555	5029718	22	1	0	0	0	35	4	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N								
556	5115974	23	1	0	0	0	32	5	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	16	2.5	19				Y	
557	941731	24	2	1	1	0	29	1	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N								
558	500711	25	3	2	2	0	38	2	N	N	N	N	N	N	N	12	AB	N	N	N	N	N	N	N	N	N	15	3	18				Y	
559	5226326	26	2	1	1	0	37	1	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.3	21				Y	
560	5225887	26	3	2	2	0	39	3	N	N	N	N	N	N	N	10	AB	P	N	N	N	N	N	N	N	N	15	2.2	25				Y	
561	941810	23	1	0	0	0	38	1	N	Y	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.4	18	Y	J	Y	Y	
562	942506	24	1	0	0	0	37	2	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	16	3	22				Y	
563	942499	23	2	1	0	0	38	4	N	Y	N	N	N	N	N	9	B	P	Y	Y	E					13	2.4	16.8	Y	J	Y	Y	
564	942489	23	3	2	2	0	32	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.5	17				Y	
565	942485	22	3	2	2	0	32	1	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.1	18				Y	
566	942474	21	2	1	1	0	33	2	Y	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.6	18				Y	
567	942747	21	2	1	1	0	32	3	N	N	N	N	N	Y	N	8	O	P	N	N	N	N	N	N	N	N	15	2.7	17	Y	J	Y	Y	
568	928081	21	2	1	1	0	33	5	N	N	N	N	N	N	N	7	O	N	N	N	N	N	N	N	N	N	16	2.9	18				Y	
569	927917	21	1	0	0	0	34	4	N	N	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N		3					N	Y
570	928105	24	1	0	0	0	35	3	N	N	N	N	N	N	N	9	B	N	N	N	N	N	N	N	N	N								
571	928151	25	1	0	0	0	35	3	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	13	2.5	18				Y	
572	928171	26	2	1	1	0	36	3	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N							Y	
573	928207	23	2	1	1	0	37	2	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	12	2.4	19				Y	
574	928414	25	2	1	1	0	40	2	N	N	N	N	N	N	N	11	B	N	N	N	N	N	N	N	N	N								
575	927323	25	3	2	2	0	33	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N								
576	5056266	23	2	1	1	0	37	2	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N		3.1					N	Y
577	5013178	24	3	2	2	0	36	0	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.4	19				Y	
578	4840126	26	2	1	1	0	38	0	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	3.2	23				Y	
579	4959425	26	2	1	1	0	37	1	N	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N	20	3	21				Y	
580	5166981	25	4	3	3	0	39	0	N	N	N	N	N	N	N	14	B	N	N	N	N	N	N	N	N	N	12	2.6	20				Y	
581	5196387	27	3	2	2	0	33	0	N	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N	13	2.2	21	Y	RD		Y	
582	938653	28	2	1	1	0	32	4	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N								
583	5204643	23	4	3	3	0	30	2	N	N	N	N	N	N	Y	12	O	P	N	N	N	N	N	N	N	N	13	2.8	26				Y	
584	5102594	24	5	4	4	0	31	2	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	12	2.4	17	Y	J	Y	Y	
585	5055751	22	1	0	0	0	33	2	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	14	3	18	Y	J	Y	Y	
586	5011389	21	2	1	1	0	34	2	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	3.1	21	Y	J	Y	Y	
587	5090050	20	2	0	0	0	35	1	N	N	N	Y	N	N	N	12	B	N	N	N	N	N	N	N	N	N	15	2.5	16	Y	J	Y	Y	
588	5098260	30	1	0	0	0	36	3	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	15	2.8	17				Y	
589	5174032	21	1	0	0	0	37	2	N	N	N	N	N	N	N	10	O	N	N	N	N	N	N	N	N	N	15	2.4	18	Y	J	Y	Y	
590	3614901	20	3	2	2	0	38	2	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	2.4	17				Y	
591	5204702	21	4	1	1	0	36	3	N	N	Y	Y	N	N	N	11	B	N	N	N	N	N	N	N	N	N								
592	5204633	20	1	0	0	0	39	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.2	18				Y	
593	5204748	25	3	2	2	0	37	3	N	N	N	N	N	N	N	12	A	N	N	N	N	N	N	N	N	N	15	2.7	17				Y	
594	4959799	24	2	1	1	0	38	2	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	2.6	15	Y	J	Y	Y	
595	5006865	24	1	0	0	0	38	1	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N		2.4					N	Y
596	5196576	24	1	0	0	0	36	2	N	N	N	N	N	N	N	12	A	N	N	N	N	N	N	N	N	N								
597	5219894	23	2	1	1	0	31	0	Y	N	N	N	N	Y	N	13	B	P	N	N	N	N	N	N	N	N	15	2.4	21				Y	
598	5220407	23	1	0	0	0	39	0	Y	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N	15	2.7	20				Y	
599	5064604	21	1	0	0	0	29	2	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	2.8	19	Y	RD		Y	
600	5177784	23	3	2	2	0	28	3	N	N	N	N	N	N	N	10	A	N	N	N	N	N	N	N	N	N								
601	4751773	24	1	0	0	0	39	2	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.7	21				Y	
602	5196743	24	2	1	1	0	37	4	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	2.8	22				Y	
603	4970319	25	2	1	1	0	38	2	N	N	N	N	N	N	N	9	A	N	N	N	N	N	N	N	N	N	16	2.6	17				Y	
604	937124	26	2	1	1	0	29	5	Y	N	N	N	N	N	N	7	B	P	N	N	N	N	N	N	N	N	15	2.7	18	Y	J	Y	Y	
605	936003	26	3	2	2	0	30	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	14	2.5	17				Y	
606	937010	23	1	0	0	0	31	3	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N		3					N	Y
607	936939	22	3	2	2	0	37	2	N	N	N	N	N	N	N	11	B	N	N	N	N	N	N	N	N	N	14	2.9	15				Y	
608	936789	21	2	1	1	0	33	4	N	N	N	N	N	N	N	12	A	N	N	N	N	N	N	N	N	N	15	3	16				Y	
609	936850	24	2	1	1	0	32	2	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	15	3.3	16	Y	J	Y	Y	
610	934205	25	3	2	2	0	38	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.8	17				Y	
611	940468	26	2	1	1	0	37	2	N	N	N	N	N	N	N	8	A	N	N	N	N	N	N	N	N	N								
612	940481	31	1	0	0	0	29	1	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.6	17				Y	
613	940720	30	5	3	3	0	28	2	N	N	Y	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.2	18				Y	
614	940234	31	1	0	0	0	33	1	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.5	18	Y	J	Y	Y	
615	940496	32	4	1	1	0	37	3	N	N	Y	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N								
616	5204702	25	2	1	1	0	38	1	N	N	N	N	N	N	N	6	A	N	N	N	N	N	N	N	N	N	15	3	17	Y	J	Y	Y	
617	939920	28	2	1	1	0	34	4	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	15	3.2	21				Y	
618	939958	27	1	0	0	0	35	5	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	2.2	20				Y	
619	938195	23	2	1	1	0	38	6	N	Y	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.6	23	Y	J	Y	Y	
620	939674	24	3	2	2	0	36	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.4	18				Y	
621	940370	25	3	2	2	0	36	0	N	N	N	N	N	N	N	10	A	N	N	N	N	N	N	N	N	N								
622	941056	21	3	2	2	0	37	1	N	N	N	N	N	N	N	11	B	N	N	N	N	N	N	N	N	N	14	2.1	13	Y	RD		Y	
623	939899	22	2	1	1	0	38	2	N	N	N	N	N	N	Y	10	B	P	N	N	N	N	N	N	N	N	12	2.5	17				Y	
624	940699	23	2	1	1	0	37	0	N	N	N	N	N	N	N	10	B	N	N	N	N	N	N	N	N	N	13	2.8	17	Y	J	Y	Y	
625	941419	24	2	1	1	0	39	3	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	13	2.6	21	Y	J	Y	Y	
626	941467	25	1	0	0	0	34	0	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	2.9	22	Y	J	Y	Y	
627	4223702	23	2	1	1	0	33	0	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	3	23	Y	J	Y	Y	
628	929371	22	1	0	0	0	32	3	N	N	N	N	N	N	N	13	B	P	N	N	N	N	N	N	N	N	15	3.2	19	Y	Y	Y	Y	
629	929476	23	1	0	0	0	36	4	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	15	2.8	21	Y	J	Y	Y	
630	929666	21	1	0	0	0	33	5	N	N	N	N	N	N	N	12	B	N	N	N	N	N	N	N	N	N	15	2.2	17	Y	J	Y	Y	
631	929570	20	1	0	0	0	39	3	N	N	N	N	N	N	N	10	AB	N	N	N	N	N	N	N	N	N	16	2.1	17				Y	
632	941239	23	2	1	1	0	38	1	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N								
633	938669	20	1	0	0	0	39	1	N	N	N	N	N	N	N	12	B	N	N	N	N	N	N	N	N	N	18	2.3	18				Y	

634	941222	21	1	0	0	0	36	2	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.8	17				Y	
635	941071	23	2	1	1	0	33	1	N	N	N	N	N	N	Y	11	O	P	N	N	N	N	N	N	N	N	16	2.9	16	Y	J	Y	Y	
636	941086	24	2	1	1	0	38	6	N	N	N	N	N	N	N	12	A	N	N	N	N	N	N	N	N	N	16	2.1	17				Y	
637	941202	25	1	0	0	0	40	5	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N								
638	5224827	26	3	2	2	0	38	5	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N		3					N	Y
639	939195	23	1	0	0	0	38	4	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	13	3.2	22				Y	
640	935424	22	1	0	0	0	38	3	N	N	N	N	N	N	N	12	B	N	N	N	N	N	N	N	N	N	14	3.2	19	Y	J	Y	Y	
641	941202	21	1	0	0	0	38	0	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	3	21				Y	
642	941694	20	3	2	2	0	38	4	Y	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	13	2.4	16.4	Y	J	Y	Y	
643	941649	22	2	1	1	0	37	3	N	N	N	N	N	N	N	13	B	P	N	N	N	N	N	N	N	N	13	3.3	21				Y	
644	5118877	25	3	2	2	0	33	5	N	N	N	N	N	N	N	14	O	P	N	N	N	N	N	N	N	N								
645	941582	26	3	2	2	0	37	6	N	N	N	N	N	N	N	13	B	P	N	N	N	N	N	N	N	N	13	2.1	25				Y	
646	941377	27	4	2	2	0	38	0	N	N	Y	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	2.6	23				Y	
647	941263	28	3	1	1	0	38	5	N	N	N	Y	N	Y	N	11	B	P	N	N	N	N	N	N	N	N	15	2.5	22				Y	
648	5143074	29	3	2	2	0	37	4	N	N	N	N	N	N	N	10	A	N	N	N	N	N	N	N	N	N	15	2.9	18				Y	
649	4241538	23	2	1	1	0	39	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.5	17	Y	J	Y	Y	
650	5021906	23	2	0	0	0	38	6	N	N	Y	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N								
651	5117233	21	1	0	0	0	33	3	Y	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	16	3	23				Y	
652	5108630	20	2	1	1	0	32	0	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	15	3.1	17				Y	
653	5192026	20	2	0	0	0	39	3	N	N	N	Y	N	N	N	9	A	N	N	N	N	N	N	N	N	N	15	3.4	15				Y	
654	941568	23	2	1	1	0	38	6	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N								
655	941571	21	3	2	2	0	39	0	N	N	N	N	N	N	Y	9	B	P	N	N	N	N	N	N	N	N	16	2.2	15	Y	J	Y	Y	
656	938352	22	1	0	0	0	34	0	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	16	2.6	17				Y	
657	938745	26	1	0	0	0	38	0	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.9	17				Y	
658	938670	27	2	1	1	0	37	4	N	N	N	N	N	N	N	7	O	N	N	N	N	N	N	N	N	N		2.4					N	Y
659	4099920	24	3	1	1	0	32	3	N	N	N	N	Y	N	N	6	B	P	N	N	N	N	N	N	N	N								
660	724803	23	3	2	2	0	34	6	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N								
661	941958	24	3	2	2	0	33	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	3	17				Y	
662	724568	25	4	3	3	0	37	2	N	N	N	N	N	N	N	8	O	N	N	N	N	N	N	N	N	N	15	2.4	18				Y	
663	941573	22	2	1	1	0	32	3	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	15	2.7	17				Y	
664	939687	23	1	0	0	0	29	1	N	N	N	N	N	N	N	6	O	P	N	N	N	N	N	N	N	N	20	2.8	21	Y	J	Y	Y	
665	941921	24	2	1	0	1	37	6	N	N	N	N	N	N	N	7	B	N	N	N	N	N	N	N	N	N	16	2.4	18				Y	
666	714194	22	1	0	0	0	37	4	N	N	N	N	N	N	N	6	O	P	N	N	N	N	N	N	N	N								
667	941822	22	1	0	0	0	38	3	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	16	2.5	20				Y	
668	941771	21	1	0	0	0	39	0	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.5	23				Y	
669	939005	26	1	0	0	0	39	0	N	N	N	N	N	Y	N	10	O	N	N	N	N	N	N	N	N	N	15	3	24	Y	RD		Y	
670	941790	27	2	1	1	0	39	2	N	N	N	N	N	N	N	11	B	N	N	N	N	N	N	N	N	N	15	3.1	21				Y	
671	941932	28	1	0	0	0	37	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.3	18				Y	
672	941936	22	1	0	0	0	40	3	N	N	N	N	N	N	N	8	A	N	N	N	N	N	N	N	N	N	16	2.4	18	Y	J	Y	Y	
673	941775	25	2	1	1	0	38	0	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.5	21				Y	
674	941874	28	1	0	0	0	39	0	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	16	3.2	21	Y	RD		Y	
675	724766	21	1	0	0	0	38	1	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	16	2.5	23				Y	
676	728484	22	3	2	2	0	37	2	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	16	2.5	17				Y	
677	5033679	22	2	1	1	0	38	1	N	N	N	N	N	N	N	9	B	N	N	N	N	N	N	N	N	N	15	3	16	Y	J	Y	Y	
678	5076213	20	1	0	0	0	33	2	N	N	N	N	N	Y	N	9	AB	N	N	N	N	N	N	N	N	N	15	2.4	17				Y	
679	5168619	24	3	2	2	0	35	1	Y	N	N	N	N	N	Y	10	O	P	N	N	N	N	N	N	N	N		2.2					N	Y
680	5214370	23	1	0	0	0	37	3	N	N	N	N	N	N	N	7	AB	P	N	N	N	N	N	N	N	N	16	2.4	17				Y	
681	5209155	23	4	3	3	0	37	0	Y	N	N	N	N	N	N	12	O	N	N	N	N	N	N	N	N	N	16	2.7	15				Y	
682	5153511	24	1	0	0	0	37	5	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	16	2.5	21	Y	J	Y	Y	
683	5219707	21	1	0	0	0	34	0	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	16	2.6	20	Y	J	Y	Y	
684	5200796	25	2	1	1	0	41	2	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	17	2.8	15	Y	J	Y	Y	
685	5126273	26	2	1	1	0	35	5	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	17	2.4	21	Y	J	Y	Y	
686	5165820	27	3	1	1	0	38	6	N	N	Y	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	17	2.3	20	Y	J	Y	Y	
687	5226947	28	2	1	1	0	39	0	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	17	3	19	Y	J	Y	Y	
688	5018575	23	1	0	0	0	35	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	17	2.5	18				Y	
689	5227960	24	2	1	1	0	37	5	N	N	N	N	N	N	N	12	O	N	N	N	N	N	N	N	N	N	17	2.5	18				Y	
690	927118	25	1	0	0	0	34	4	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	17	2.6	16				Y	
691	927508	26	2	1	1	0	34	3	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N		2.3					N	Y
692	927112	27	1	0	0	0	31	6	N	N	N	N	N	N	N	10	A	N	N	N	N	N	N	N	N	N	14	2.6	17	Y	J	Y	Y	
693	927882	26	1	0	0	0	30	4	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	15	2.9	18				Y	
694	941694	26	2	1	1	0	39	5	N	N	N	N	N	N	N	10	A	N	N	N	N	N	N	N	N	N	16	3.1	17				Y	
695	925938	23	1	0	0	0	33	0	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	16	2.3	19	Y	RD		Y	
696	926193	23	1	0	0	0	37	0	N	N	N	N	N	Y	Y	10	B	P	N	N	N	N	N	N	N	N	16	2.9	18				Y	
697	926681	23	1	0	0	0	38	0	N	N	N	N	N	N	N	10	AB	P	N	N	N	N	N	N	N	N	17	2.4	19	Y	J	Y	Y	
698	941516	22	1	0	0	0	39	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	17	2.2	17	Y	RD		Y	
699	941508	21	2	1	1	0	37	4	N	N	N	N	N	N	N	11	AB	P	N	N	N	N	N	N	N	N	18	2.1	18				Y	
700	941964	20	2	1	1	0	36	5	N	N	N	N	N	N	N	12	A	N	N	N	N	N	N	N	N	N								
701	928506	20	3	2	1	1	37	1	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	17	2.5	21				Y	
702	941991	30	3	2	2	0	38	1	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	15	3	18	Y	RD		Y	
703	5230951	32	5	4	4	0	37	4	Y	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	14	2.5	22				Y	
704	5209449	24	2	1	1	0	38	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	18	2.2	23	Y	J	Y	Y	
705	5231355	32	2	1	1	0	36	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	20	2.4	19				Y	
706	5171744	22	3	2	2	0	35	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	13	2.3	17	Y	J	Y	Y	
707	5220809	23	1	0	0	0	34	4	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.1	28				Y	
708	934701	21	1	0	0	0	32	0	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	16	2.7	25				Y	
709	934601	24	1	0	0	0	32	2	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	16	2.3	18				Y	
710	934706	25	3	2	2	0	40	4	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.3	18	Y	J	Y	Y	
711	934761	22	3	1	1	0	37	5	N	N	Y	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	15	2.1	19				Y	
712	934633	21	2	1	1	0	34	0	N	N	N	N	N	N	N	8	B	N	N	N	N	N	N	N	N	N	15	2.3	18				Y	
713	934729	23	2	1	1	0	34	3	N	N	N	N	N	N	N	12	A	N	N	N	N	N	N	N	N	N	14	2.3	25				Y	
714	934937	21	2	0	0	0	36	4	N	N	N	N	Y	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.4	27	Y	J	Y	Y	

715	934367	22	1	0	0	0	37	0	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	2.6	19	Y	J	U	Y	
716	934938	20	1	0	0	0	38	2	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.7	18				Y	
717	935003	20	2	1	1	0	38	3	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.7	17				Y	
718	934831	23	3	2	2	0	39	0	N	N	N	N	N	N	N	10	O	N	N	N	N	N	N	N	N	N	16	2.8	17				Y	
719	5137221	24	2	1	1	0	38	4	N	N	N	N	N	N	Y	9	AB	P	N	N	N	N	N	N	N	N	16	2.9	22				Y	
720	5061947	23	1	0	0	0	35	5	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	17	2.5	13	Y	J	Y	Y	
721	5117118	24	3	2	2	0	37	6	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N								
722	5032422	22	2	1	1	0	40	4	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	17	3	17				Y	
723	942553	21	1	0	0	0	31	5	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	2.5	17				Y	
724	5164458	20	1	0	0	0	32	5	N	N	N	N	N	Y	N	9	B	P	N	N	N	N	N	N	N	N	15	3	18				Y	
725	5209558	21	1	0	0	0	37	0	Y	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.5	18	Y	J	Y	Y	
726	5230354	23	2	1	1	0	34	0	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	19	3	19	Y	J	Y	Y	
727	5230652	21	1	0	0	0	35	1	N	N	N	N	N	N	N	8	O	N	N	N	N	N	N	N	N	N	16	2.5	22				Y	
728	938058	29	2	1	1	0	36	2	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N								
729	5192026	26	1	0	0	0	34	4	N	N	N	N	N	N	N	14	A	P	N	N	N	N	N	N	N	N	16	3.1	23				Y	
730	935060	24	2	1	1	0	33	5	N	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N	16	2.2	24	Y	J	Y	Y	
731	5190882	22	3	2	2	0	32	6	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	20	3.5	18				Y	
732	934935	23	2	1	1	0	36	0	N	N	N	N	N	N	N	11	O	N	N	N	N	N	N	N	N	N		2.5					N	Y
733	942361	24	2	1	1	0	37	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	13	2.8	21				Y	
734	4024887	25	1	0	0	0	37	4	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	14	2.6	13	Y	RD		Y	
735	934969	26	2	1	1	0	38	5	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	15	2.5	23				Y	
736	942844	23	1	0	0	0	39	4	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	16	2.8	22				Y	
737	5231691	24	2	1	1	0	34	5	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2.3	18	Y	J	Y	Y	
738	942415	25	1	0	0	0	34	0	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	16	2.2	19	Y	RD		Y	
739	5167206	27	3	2	2	0	32	1	Y	N	N	N	N	N	Y	12	O	P	N	N	N	N	N	N	N	N	16	2.9	19				Y	
740	5112798	24	3	2	2	0	31	2	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	16	2.6	18	Y	J	Y	Y	
741	4365036	23	3	2	2	0	30	5	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	3	17				Y	
742	5080817	22	2	1	1	0	34	3	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	15	2.5	17	Y	RD		Y	
743	5125971	21	2	1	1	0	33	4	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.5	21				Y	
744	5191851	20	2	1	1	0	35	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	20	2.5	18				Y	
745	5214521	23	2	0	0	0	36	5	N	N	Y	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	14	2.6	21				Y	
746	5185070	20	3	2	2	0	37	4	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	3.1	20	Y	J	Y	Y	
747	5215202	21	1	0	0	0	37	6	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.5	19				Y	
748	5232113	20	1	0	0	0	37	4	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	20	2.5	19				Y	
749	5232811	28	3	2	2	0	38	3	N	N	N	N	N	N	N	10	AB	N	N	N	N	N	N	N	N	N	16	2.4	19				Y	
750	5089325	30	1	0	0	0	38	2	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	16	2.5	18				Y	
751	5232786	24	1	0	0	0	36	1	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	17	2.8	21	Y	J	Y	Y	
752	5232576	25	2	1	1	0	32	5	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	20	2.8	20				Y	
753	5232906	26	2	1	1	0	30	6	N	N	N	N	N	Y	Y	!0	O	P	N	N	N	N	N	N	N	N		2.7					N	Y
754	5232866	22	2	1	1	0	29	4	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	11	2.5	17				Y	
755	5232821	23	4	3	3	0	38	6	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	12	3	18	Y	J	Y	Y	
756	5232376	23	3	2	2	0	37	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	13	2.3	19	Y	RD		Y	
757	943422	24	2	1	1	0	38	4	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	12	2.3	21				Y	
758	5172414	22	2	1	0	0	37	3	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	14	2.5	24	Y	J	Y	Y	
759	5170694	21	3	2	2	0	37	0	Y	N	N	N	N	Y	N	11	B	P	N	N	N	N	N	N	N	N	12	2.5	25	Y	J	Y	Y	
760	5155728	20	1	0	0	0	36	0	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N		2.7					N	Y
761	5312143	22	1	0	0	0	33	0	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	12	2.5	21	Y	RD		Y	
762	5140524	21	3	2	2	0	37	1	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	13	2.9	20				Y	
763	937124	23	1	0	0	0	36	4	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	14	2.2	19				Y	
764	936003	24	3	0	0	0	29	3	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	2.5	19				Y	
765	937010	25	2	0	0	0	32	5	N	N	Y	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	15	3	18	Y	J	Y	Y	
766	936939	29	3	1	1	0	37	4	N	N	Y	N	N	N	N	11	O	N	N	N	N	N	N	N	N	N	15	3.4	19				Y	
767	936789	24	1	0	0	0	31	3	N	N	N	N	N	N	N	10	B	P	N	Y	c,E						13	2.5	15.8	Y	J	Y	Y	
768	936850	27	3	2	2	0	37	4	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	13	2.9	20				Y	
769	934205	24	3	2	2	0	33	5	N	N	N	N	N	N	N	10	O	N	N	N	N	N	N	N	N	N	12	2.3	23				Y	
770	940468	24	2	1	1	0	35	5	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N		2.3					N	Y
771	940481	24	1	0	0	0	34	0	N	N	N	N	N	N	N	10	O	N	N	N	N	N	N	N	N	N	12	2.5	19				Y	
772	940720	25	2	1	1	0	39	0	N	N	N	N	N	N	N	12	AB	N	N	N	N	N	N	N	N	N	17	2.2	19				Y	
773	940234	24	1	0	0	0	38	1	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	12	2.4	18				Y	
774	940496	25	2	1	1	0	37	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	13	2.5	21	Y	J	Y	Y	
775	5204702	25	3	2	2	0	35	3	N	N	N	N	N	Y	N	8	O	P	N	N	N	N	N	N	N	N	13	2.7	20				Y	
776	939920	23	3	1	1	0	34	4	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	12	3	26				Y	
777	39958	21	1	0	0	0	34	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	17	3.4	23				Y	
778	938195	22	1	0	0	0	38	6	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N								
779	939671	24	2	1	1	0	33	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	12	2.5	22	Y	J	Y	Y	
780	940370	25	2	1	1	0	32	4	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	12	3	18				Y	
781	941056	26	3	2	2	0	35	3	N	N	N	N	N	N	Y	9	B	P	N	N	N	N	N	N	N	N	11	3.2	19	Y	J	Y	Y	
782	939899	23	2	1	1	0	34	0	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.2	21				Y	
783	940699	24	1	0	0	0	33	0	N	N	N	N	N	N	N	12	B	N	N	N	N	N	N	N	N	N	13	2.8	21	Y	RD		Y	
784	5033654	25	2	1	1	0	35	3	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	13	2.9	23				Y	
785	922081	23	1	0	0	0	34	4	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	14	2.5	18				Y	
786	942183	22	2	0	0	0	35	5	N	N	Y	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.1	18				Y	
787	5228286	21	2	1	1	0	30	0	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	3	17	Y	RD		Y	
788	942169	22	1	0	0	0	31	4	N	N	N	N	N	N	N	9	B	N	N	N	N	N	N	N	N	N	15	3	17				Y	
789	922079	23	2	1	1	0	34	4	N	N	N	N	N	N	N	6	O	P	N	N	N	N	N	N	N	N	15	2.3	18	Y	J	Y	Y	
790	921306	24	1	0	0	0	37	0	N	N	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	16	2.5	17				Y	
791	922558	25	2	1	1	0	36	4	N	N	N	N	N	N	N	7	B	P	N	N	N	N	N	N	N	N	20	2.8	17				Y	
792	914868	31	1	0	0	0	32	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.5	17	Y	RD		Y	
793	916366	24	3	1	1	0	37	4	N	N	Y	N	N	N	N	11	O	N	N	N	N	N	N	N	N	N	16	2.5	18				Y	
794	942101	25	2	0	0	0	33	3	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	16	2.5	14	Y	J	Y	Y	
795	915148	25	3	2	2	0	32	2	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	3	15				Y	

796	942177	27	3	2	2	0	37	1	N	N	N	N	N	N	N	11	AB	P	N	N	N	N	N	N	N	N	15	3.2	15	Y	J	Y	Y	
797	916282	23	1	0	0	0	33	3	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	16	2.5	21	Y	J	Y	Y	
798	914956	24	2	1	1	0	35	0	N	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N	15	2.3	17	Y	J	Y	Y	
799	922990	25	2	0	0	0	35	3	N	N	Y	N	N	N	Y	12	AB	P	N	N	N	N	N	N	N	N	15	2.7	17	Y	J	Y	Y	
800	921583	26	2	1	1	0	34	4	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.8	17	Y	J	Y	Y	
801	916480	27	3	2	2	0	31	4	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.5	18				Y	
802	916270	29	4	3	3	0	32	5	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	16	2.5	19				Y	
803	943075	26	1	0	0	0	37	3	N	N	N	N	N	N	N	10	AB	P	N	N	N	N	N	N	N	N								
804	941333	22	2	1	1	0	36	6	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	17	2.3	17	Y	J	Y	Y	
805	942651	20	2	1	1	0	38	5	N	N	N	N	N	Y	N	9	B	P	N	N	N	N	N	N	N	N	16	2.6	17				Y	
806	942682	22	1	0	0	0	36	6	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	16	2.7	17				Y	
807	947766	20	2	1	1	0	37	5	N	N	N	N	N	N	N		O	N	N	N	N	N	N	N	N	N	16	2.2	21				Y	
808	941616	20	1	0	0	0	37	6	N	N	N	N	N	N	N	12	O	N	N	N	N	N	N	N	N	N	16	2.8	20				Y	
809	942687	21	2	1	1	0	36	3	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	16	3	18				Y	
810	942885	22	3	2	2	0	34	4	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N								
811	942852	25	4	3	3	0	33	5	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	14	3.2	21				Y	
812	942932	23	3	1	1	0	40	1	N	N	Y	N	N	N	N	12	O	N	N	N	N	N	N	N	N	N								
813	5236430	23	2	1	1	0	36	1	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	13	2.5	18				Y	
814	5224427	24	2	1	1	0	39	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	13	3	18	Y	J	Y	Y	
815	5237227	22	3	2	2	0	31	2	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	12	2.5	20				Y	
816	3128540	21	1	0	0	0	29	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	12	3	21				Y	
817	942683	29	4	2	2	0	28	3	N	N	Y	N	N	N	N	12	B	N	N	N	N	N	N	N	N	N	11	2.2	22	Y	RD		Y	
818	942947	28	2	1	1	0	37	4	N	N	N	N	N	N	N	11	O	N	N	N	N	N	N	N	N	N		2.7					N	Y
819	941845	23	2	1	1	0	36	3	Y	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	12	2.9	15	Y	RD		Y	
820	942345	22	3	2	1	1	38	0	N	Y	N	N	N	N	N	7	A	P	N	N	N	N	N	N	N	N		2.5					N	Y
821	942589	22	2	1	1	0	36	0	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	12	2.2	16				Y	
822	943298	21	2	1	1	0	29	0	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	12	2.4	21				Y	
823	939247	20	2	1	1	0	32	2	N	N	N	N	N	N	N	9	O	N	N	N	N	N	N	N	N	N	13	2.6	20				Y	
824	939228	22	3	2	2	0	31	2	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	11	2.7	22	Y	RD		Y	
825	939201	21	2	1	1	0	30	1	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	13	2.1	13				Y	
826	939594	29	4	3	3	0	32	6	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	14	2.3	21				Y	
827	936251	27	3	2	2	0	38	5	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.4	24				Y	
828	939510	26	2	1	1	0	33	4	N	N	N	N	N	N	N	9	O	N	N	N	N	N	N	N	N	N	15	3	21	Y	J	Y	Y	
829	939665	23	2	1	1	0	32	5	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	3.2	27	Y	J	Y	Y	
830	939256	24	3	2	2	0	31	6	N	N	N	N	N	N	Y	12	O	P	N	N	N	N	N	N	N	N	16	2.7	23	Y	RD		Y	
831	943794	22	4	3	3	0	32	0	Y	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	16	2.4	18	Y	J	Y	Y	
832	939266	21	1	0	0	0	30	1	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	16	2.8	18	Y	J	Y	Y	
833	939458	20	1	0	0	0	33	3	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	3.5	19	Y	J	Y	Y	
834	936008	23	1	0	0	0	38	4	N	N	N	N	N	Y	N	9	O	P	N	N	N	N	N	N	N	N	17	3	17				Y	
835	5032985	23	3	2	2	0	37	5	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	16	2.3	18	Y	RD		Y	
836	930027	23	2	1	1	0	37	4	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	20	2.4	18				Y	
837	930114	22	2	1	1	0	38	6	N	N	N	N	N	N	N	10	AB	P	N	N	N	N	N	N	N	N	12	2.8	17				Y	
838	930145	21	1	0	0	0	37	0	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	13	2.4	16				Y	
839	930069	22	1	0	0	0	32	0	N	N	N	N	N	N	N	7	B	P	N	N	N	N	N	N	N	N	15	1.5	17				Y	
840	943794	21	2	1	0	1	33	1	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2	16				Y	
841	943325	23	1	0	0	0	34	2	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	13	2.4	15				Y	
842	943862	24	3	2	2	0	39	3	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	14	2.1	15				Y	
843	5184675	27	2	1	1	0	37	4	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.2	17	Y	J	Y	Y	
844	5205990	25	2	0	0	0	38	5	N	N	Y	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.3	17				Y	
845	945733	22	3	1	1	0	41	6	N	N	Y	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N								
846	943459	23	2	1	1	0	31	0	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N								
847	944021	23	2	1	1	0	32	6	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.7	18				Y	
848	943594	21	1	0	0	0	38	5	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	3	21				Y	
849	5120272	20	1	0	0	0	39	4	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	14	2.2	19	Y	RD		Y	
850	943822	23	1	0	0	0	35	3	N	N	N	N	N	N	N	11	AB	P	N	N	N	N	N	N	N	N	16	2.2	22				Y	
851	942925	24	2	1	1	0	38	2	N	N	N	N	N	N	N	10	AB	P	N	N	N	N	N	N	N	N	15	2.7	18	Y	RD		Y	
852	943800	25	1	0	0	0	37	5	N	N	N	N	N	N	Y	10	O	P	N	N	N	N	N	N	N	N	16	2.3	19				Y	
853	943843	26	2	1	1	0	31	6	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	16	2.7	21				Y	
854	930038	25	3	1	1	0	30	1	N	N	N	Y	N	N	N	10	B	N	N	N	N	N	N	N	N	N	16	2.8	22				Y	
855	930161	25	1	0	0	0	39	1	N	N	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	16	2.2	16				Y	
856	929769	24	1	0	0	0	37	2	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	16	2.2	16	Y	J	Y	Y	
857	929781	23	1	0	0	0	32	5	N	N	N	N	N	N	N	6	AB	P	N	N	N	N	N	N	N	N	17	2.8	16				Y	
858	929719	21	2	1	1	0	39	6	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	17	2.7	17				Y	
859	929666	20	2	1	1	0	37	4	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	16	2.9	18				Y	
860	929348	23	1	0	0	0	33	3	N	N	N	N	N	N	N	12	O	N	N	N	N	N	N	N	N	N	16	2.3	18	Y	J	Y	Y	
861	929430	24	3	2	2	0	38	4	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	17	2.2	17	Y	J	Y	Y	
862	929629	24	1	0	0	0	37	5	N	N	N	N	N	N	N	11	AB	P	N	N	N	N	N	N	N	N	17	2.8	18	Y	J	Y	Y	
863	929177	23	1	0	0	0	38	6	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	20	2	19	Y	J	Y	Y	
864	929445	22	2	1	1	0	33	0	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	16	2.1	18	Y	J	Y	Y	
865	929549	28	5	2	2	0	37	1	N	N	Y	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	17	3.4	18				Y	
866	929813	27	3	2	2	0	33	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.4	24	Y	RD		Y	
867	929793	25	4	2	2	0	34	6	N	N	Y	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	16	2.3	22				Y	
868	929631	23	2	1	1	0	36	0	N	N	N	N	N	N	N		O	P	N	N	N	N	N	N	N	N	16	2	21				Y	
869	944759	25	1	0	0	0	37	1	N	N	N	N	N	N	N		O	N	N	N	N	N	N	N	N	N	14	3.4	19	Y	RD		Y	
870	945206	26	1	0	0	0	33	4	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	3.1	22				Y	
871	945212	27	3	2	2	0	34	4	N	N	N	N	N	N	N	7	A	P	N	N	N	N	N	N	N	N	16	2.3	21	Y	RD		Y	
872	5028040	23	4	2	2	0	40	1	N	N	Y	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.5	18				Y	
873	943700	24	1	0	0	0	35	2	N	N	N	N	N	Y	Y	9	O	P	N	N	N	N	N	N	N	N	12	2.9	18				Y	
874	944493	23	1	0	0	0	32	3	N	N	N	N	N	N	Y	10	O	P	N	N	N	N	N	N	N	N	16	2.6	21				Y	
875	944730	24	2	1	1	0	32	2	N	N	N	N	N	N	N	7	B	P	N	N	N	N	N	N	N	N								
876	943544	24	2	0	0	0	39	2	N	N	Y	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.3	15				Y	

877	944966	23	2	1	1	0	38	2	N	N	N	N	N	N	N	9	B	N	N	N	N	N	N	N	N	N	15	2.5	15				Y	
878	945036	22	1	0	0	0	37	4	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.4	15				Y	
879	944890	21	1	0	0	0	40	5	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	16	2.8	16				Y	
880	945038	23	2	1	1	0	29	6	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	15	2.2	21	Y	RD		Y	
881	943525	24	3	2	2	0	29	0	N	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N	15	2.1	23				Y	
882	943180	22	2	1	1	0	39	1	N	N	N	N	N	N	N	13	A	P	N	N	N	N	N	N	N	N	15	2.4	18				Y	
883	944105	23	3	2	2	0	38	2	N	N	N	N	N	N	N	14	A	P	N	N	N	N	N	N	N	N	15	3	17	Y	RD		Y	
884	9440745	25	2	1	1	0	37	3	N	N	N	N	N	N	N	13	B	P	N	N	N	N	N	N	N	N	16	2.8	17				Y	
885	944276	26	1	0	0	0	36	6	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	17	3	18				Y	
886	944290	23	1	0	0	0	38	4	N	N	N	N	N	N	N	11	AB	P	N	N	N	N	N	N	N	N	17	2.8	19	Y	RD		Y	
887	944452	22	2	1	1	0	39	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	3	16				Y	
888	944689	21	1	0	0	0	33	4	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.9	15				Y	
889	944887	23	2	1	1	0	31	3	N	N	N	N	N	N	N	10	B	N	N	N	N	N	N	N	N	N	16	2.2	21	Y	RD		Y	
890	943073	21	1	0	0	0	37	4	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	15	2.6	18				Y	
891	943177	22	1	0	0	0	38	5	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	3.1	23				Y	
892	3855134	24	2	0	0	0	31	2	N	N	N	Y	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	3.5	22				Y	
893	5255982	24	3	2	2	0	37	1	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	15	2.2	18				Y	
894	948938	25	2	1	1	0	37	4	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.8	18	Y	J	Y	Y	
895	946232	27	4	2	2	0	32	5	N	N	Y	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	16	2.9	18				Y	
896	946247	28	3	2	1	1	37	6	N	N	N	N	N	N	Y	9	B	P	N	N	N	N	N	N	N	N	17	2.2	19	Y	J	Y	Y	
897	946644	24	1	0	0	0	37	0	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	16	2.8	15				Y	
898	946645	25	1	0	0	0	39	3	N	N	N	N	N	N	Y	9	A	P	N	N	N	N	N	N	N	N								
899	946485	27	1	0	0	0	38	4	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	17	2.4	17				Y	
900	945940	28	2	1	1	0	37	5	N	N	N	N	N	N	N	6	O	P	N	N	N	N	N	N	N	N	18	2.6	18				Y	
901	946352	29	3	2	2	0	38	2	N	N	N	N	N	N	Y	6	B	P	N	N	N	N	N	N	N	N	19	2.3	21				Y	
902	946664	30	2	1	1	0	37	3	Y	N	N	N	N	N	Y	7	A	P	N	N	N	N	N	N	N	N	17	2.7	20				Y	
903	946232	26	1	0	0	0	29	4	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	17	1.5	21	Y	J	Y	Y	
904	946613	23	2	1	1	0	38	1	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	16	2.7	22				Y	
905	946237	24	1	0	0	0	40	2	N	N	N	N	N	N	N	12	AB	P	N	N	N	N	N	N	N	N	16	3	18	Y	RD		Y	
906	946474	24	3	1	1	0	37	4	N	N	Y	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	16	3.1	19				Y	
907	946175	23	3	1	1	0	30	6	N	N	Y	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	3.2	18	Y	J	Y	Y	
908	946448	22	2	1	1	0	29	5	N	N	N	N	N	N	N	10	AB	P	N	N	N	N	N	N	N	N	15	3.2	16	Y	RD		Y	
909	517877	21	1	0	0	0	31	4	N	N	N	N	N	Y	N	10	O	P	N	N	N	N	N	N	N	N	15	2	17				Y	
910	946633	20	1	0	0	0	32	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.3	17				Y	
911	5169193	23	2	1	1	0	39	4	N	N	N	N	N	N	N	13	B	P	N	N	N	N	N	N	N	N		3.2					N	Y
912	5037689	24	1	0	0	0	38	5	N	N	N	N	N	N	N	12	O	N	N	N	N	N	N	N	N	N	15	2.7	17	Y	J	Y	Y	
913	946483	26	1	0	0	0	38	6	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	17	2.8	16				Y	
914	946435	27	2	1	1	0	34	0	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.9	17	Y	RD		Y	
915	905220	28	3	2	0	2	35	0	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	20	2.8	21				Y	
916	909825	24	3	3	3	0	38	0	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	13	2.2	20				Y	
917	4978913	24	1	0	0	0	38	1	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	11	2.1	21				Y	
918	905708	25	4	2	2	0	32	2	Y	N	Y	N	N	N	N	9	O	P	Y	Y			FY		M	Le	11	2.7	18.8				Y	
919	905756	26	2	1	1	0	37	2	N	N	N	N	N	N	N	12	B	N	N	N	N	N	N	N	N	N	12	2.2	17	Y	RD		Y	
920	906028	26	1	0	0	0	37	2	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	13	2.7	17				Y	
921	905847	25	1	0	0	0	34	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	14	3	17				Y	
922	911743	24	1	0	0	0	31	4	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.8	17	Y	RD		Y	
923	906063	24	2	1	1	0	30	0	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.8	15				Y	
924	905693	23	1	0	0	0	33	3	N	N	N	N	N	N	Y	9	O	P	N	N	N	N	N	N	N	N	14	3.1	17				Y	
925	906000	23	2	1	1	0	38	1	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	15	2.4	17				Y	
926	906002	25	4	2	2	0	37	2	N	N	N	Y	N	N	N	9	B	P	N	N	N	N	N	N	N	N	14	2.8	16				Y	
927	906336	26	3	2	2	0	39	6	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.2	21				Y	
928	906330	27	2	1	1	0	31	3	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.8	28				Y	
929	4964496	23	3	2	1	1	30	4	N	Y	N	N	N	N	N	11	O	N	N	N	N	N	N	N	N	N	16	2.9	18	Y	RD		Y	
930	906158	24	2	1	1	0	36	2	N	N	N	N	N	Y	N	12	B	P	N	N	N	N	N	N	N	N	17	2.8	16				Y	
931	906690	25	1	0	0	0	39	1	N	N	N	N	N	N	N	11	O	N	N	N	N	N	N	N	N	N	16	3	17	Y	RD		Y	
932	906943	25	2	1	1	0	38	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.2	16				Y	
933	906865	24	2	1	1	0	34	2	N	N	N	N	N	N	N	8	O	N	N	N	N	N	N	N	N	N	13	3	18	Y	RD		Y	
934	906947	20	1	0	0	0	33	2	N	N	N	N	N	N	N	7	B	P	N	N	N	N	N	N	N	N	16	2.8	18				Y	
935	906908	20	1	0	0	0	38	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	3	17				Y	
936	906601	24	2	1	1	0	39	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.8	16	Y	RD		Y	
937	914609	19	2	1	1	0	38	4	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	15	3	21				Y	
938	906679	23	3	2	2	0	31	5	N	N	N	N	N	N	N	12	B	N	N	N	N	N	N	N	N	N	15	2.2	27				Y	
939	4999166	24	4	3	3	0	32	4	N	N	N	N	N	N	N	11	AB	P	N	N	N	N	N	N	N	N	20	2.4	19				Y	
940	4803512	25	2	1	1	0	37	4	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	13	2.7	19	Y	J	Y	Y	
941	4932816	26	3	1	1	0	35	3	N	N	N	Y	N	N	N	10	AB	N	N	N	N	N	N	N	N	N	14	2.8	20				Y	
942	4225022	27	1	0	0	0	39	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.9	22	Y	RD		Y	
943	4775962	24	1	0	0	0	37	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.8	18				Y	
944	4987583	23	1	0	0	0	32	0	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	20	2.3	21				Y	
945	3936654	23	2	1	1	0	36	0	N	N	N	N	Y	N	N	10	AB	P	N	N	N	N	N	N	N	N	13	2.4	20	Y	J	Y	Y	
946	4881560	22	3	2	2	0	35	1	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.3	19	Y	RD		Y	
947	5005002	24	2	1	1	0	31	1	Y	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.3	16				Y	
948	4892527	20	3	2	2	0	30	2	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	16	2.8	17				Y	
949	4940255	25	2	1	1	0	37	1	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.8	17				Y	
950	4944244	26	2	1	1	0	36	1	N	N	N	N	N	N	N	10	B	N	N	N	N	N	N	N	N	N	17	2.4	15				Y	
951	5007427	25	2	1	0	1	36	1	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	17	2.7	14				Y	
952	4720767	27	3	2	2	0	37	2	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	16	2.9	15	Y	J	Y	Y	
953	2802989	28	3	2	2	0	38	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	3	15				Y	
954	5006532	26	3	1	1	0	37	2	N	N	Y	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	15	3.1	15	Y	RD		Y	
955	4855587	24	2	0	0	0	36	3	N	N	Y	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	2.3	16				Y	
956	5005823	25	2	1	1	0	35	0	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	16	2.8	15	Y	RD		Y	
957	908633	26	2	1	1	0	36	0	N	N	N	N	N	Y	N	8	O	P	N	N	N	N	N	N	N	N	17	3.4	17				Y	

958	907203	25	1	0	0	0	38	1	N	N	N	N	N	N	N	7	A	P	N	N	N	N	N	N	N	N	15	3.2	15	Y	RD		Y	
959	4204520	24	1	0	0	0	37	5	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	16	2.2	17				Y	
960	4770607	23	1	0	0	0	35	5	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.8	18				Y	
961	5008758	23	4	3	2	1	30	6	N	N	Y	N	N	Y	N	8	B	N	N	Y	D					14	2.6	10.1				Y	
962	5029391	23	1	0	0	0	38	0	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	18	2.8	22				Y	
963	5027961	22	1	0	0	0	39	3	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	19	2.7	23	Y	RD		Y	
964	4998992	21	1	0	0	0	35	2	N	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N	17	2.1	19				Y	
965	4926506	20	1	0	0	0	34	4	N	N	N	N	N	N	N	11	O	N	N	N	N	N	N	N	N	N	16	2.4	21	Y	RD		Y	
966	4934976	29	1	0	0	0	33	6	N	N	N	N	N	N	N	12	AB	P	N	N	N	N	N	N	N	N	18	2.7	23				Y	
967	4998957	28	2	1	1	0	38	2	N	N	N	N	N	N	Y	12	AB	P	N	N	N	N	N	N	N	N	15	3	17				Y	
968	5029373	27	3	2	2	0	39	1	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N		3.1					N	Y
969	4980943	26	2	1	1	0	38	2	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	17	3.2	17				Y	
970	9112831	25	2	1	1	0	37	3	N	N	N	N	N	N	N	11	B	N	N	N	N	N	N	N	N	N	15	3.4	15	Y	J	Y	Y	
971	911322	22	3	1	1	0	36	5	N	N	Y	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2	13				Y	
972	9011764	31	4	2	2	0	35	6	N	N	Y	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	3.4	16				Y	
973	9502931	23	2	1	1	0	34	0	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N								
974	4914548	24	4	3	3	0	37	0	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	3	18				Y	
975	4791711	25	2	0	0	0	38	1	N	N	Y	N	N	N	N	8	O	N	N	N	N	N	N	N	N	N	16	3	17				Y	
976	3689512	25	2	1	1	0	40	0	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.2	17				Y	
977	912780	26	1	0	0	0	36	0	N	N	N	N	N	N	N	7	B	P	N	N	N	N	N	N	N	N	14	3.4	18				Y	
978	4811224	24	1	0	0	0	31	1	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N								
979	4986257	23	1	0	0	0	33	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2	17				Y	
980	5024389	24	1	0	0	0	29	2	N	N	N	N	N	Y	N	11	A	P	N	N	N	N	N	N	N	N	14	2.4	14	Y	RD		Y	
981	5009679	24	1	0	0	0	38	2	N	N	N	N	N	N	N	10	O	N	N	N	N	N	N	N	N	N	15	2.8	21				Y	
982	4993647	30	3	1	1	0	37	2	N	N	Y	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	2.8	20	Y	RD		Y	
983	3700978	21	2	1	1	0	37	0	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.4	19				Y	
984	5022289	23	1	0	0	0	39	0	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.4	21				Y	
985	4849273	20	2	1	1	0	30	1	N	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N	14	2.2	22				Y	
986	5023036	21	1	0	0	0	33	0	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	15	2.1	18	Y	J	Y	Y	
987	4882256	24	1	0	0	0	40	1	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	2.8	17	Y	J	Y	Y	
988	4950743	26	1	0	0	0	39	0	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	20	2.4	17	Y	J	Y	Y	
989	5036310	30	4	1	1	0	38	0	N	N	Y	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	19	2.3	21	Y	J	Y	Y	
990	4832264	31	1	2	2	0	39	1	N	N	N	N	N	N	N	10	B	N	N	N	N	N	N	N	N	N	19	2.4	17	Y	J	Y	Y	
991	913282	22	2	0	0	0	37	2	N	N	Y	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.9	16				Y	
992	4807917	23	1	0	0	0	33	3	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	19	2.5	19	Y	RD		Y	
993	5035553	22	2	1	1	0	29	2	N	N	N	N	N	N	N	9	O	P	N	Y						Le	13	2.6	16.2				Y	
994	4978392	24	1	0	0	0	38	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2	22				Y	
995	5037210	29	4	3	3	0	30	2	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	16	2.1	17	Y	RD		Y	
996	5036546	28	2	1	1	0	37	2	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	16	2.3	16				Y	
997	913192	24	1	0	0	0	38	3	N	N	N	N	N	Y	N	9	O	P	N	N	N	N	N	N	N	N	16	2.8	16				Y	
998	4896253	23	2	1	1	0	35	2	N	N	N	N	N	N	N	7	B	P	N	N	N	N	N	N	N	N	15	2.2	16				Y	
999	5001660	23	3	1	1	0	35	3	N	N	Y	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	2.5	18	Y	RD		Y	
1000	5042413	23	3	1	1	0	31	2	N	N	Y	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	16	2.7	18				Y	
1001	3258865	25	2	1	1	0	30	2	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	16	2.9	22				Y	
1002	4698732	23	1	0	0	0	36	0	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	15	3	21				Y	
1003	5050228	24	1	0	0	0	30	0	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N								
1004	4980063	23	3	1	0	2	31	2	Y	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	15	2.4	19				Y	
1005	5005354	22	2	1	1	0	33	2	N	N	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	15	2.4	17				Y	
1006	4888423	21	1	0	0	0	37	3	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N								
1007	4928683	20	2	1	1	0	37	1	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.1	17				Y	
1008	4987637	25	1	0	0	0	36	2	N	N	N	N	N	N	N	11	O	N	N	N	N	N	N	N	N	N	16	2.8	18	Y	RD		Y	
1009	3545507	28	2	0	0	0	34	1	N	N	Y	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	16	2.6	18				Y	
1010	4849099	22	3	2	2	0	33	2	N	N	N	N	N	N	N	11	O	N	N	N	N	N	N	N	N	N	20	2.6	17				Y	
1011	4871024	27	1	0	0	0	39	1	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	12	2.4	18				Y	
1012	915496	23	2	1	1	0	38	4	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	12	2.4	15	Y	RD		Y	
1013	4792624	21	2	1	1	0	34	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N		2.8					N	Y
1014	4791737	21	3	2	2	0	32	6	N	N	N	N	N	N	Y	9	B	P	N	N	N	N	N	N	N	N								
1015	4590622	23	1	0	0	0	37	5	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.2	18				Y	
1016	4849260	22	1	0	0	0	37	3	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.7	21				Y	
1017	5033117	25	3	2	2	0	40	2	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	16	2.5	20	Y	J	Y	Y	
1018	4930767	26	2	1	1	0	36	0	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	2.9	19	Y	J	Y	Y	
1019	4972588	22	1	0	0	0	34	0	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.4	17	Y	J	Y	Y	
1020	4750391	24	1	0	0	0	35	2	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	16	2.5	16	Y	J	Y	Y	
1021	3424299	24	2	1	1	0	33	2	N	N	N	N	N	Y	N	12	A	P	N	N	N	N	N	N	N	N	16	2.4	17	Y	J	Y	Y	
1022	4963084	23	2	1	1	0	30	2	N	N	N	N	N	N	N	9	O	N	N	N	N	N	N	N	N	N	16	2.7	17	Y	J	Y	Y	
1023	5054399	25	2	1	1	0	32	4	N	N	N	N	N	N	N		B	P	N	N	N	N	N	N	N	N	16	2.7	15	Y	J	Y	Y	
1024	5053667	26	1	0	0	0	38	5	N	N	N	N	N	N	N		O	P	N	N	N	N	N	N	N	N	15	3	14	Y	RD		Y	
1025	3226776	24	2	1	1	0	37	3	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	17	3.1	13	Y	RD		Y	
1026	5041050	24	1	0	0	0	37	2	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	17	3.2	21	Y	RD		Y	
1027	4717788	20	2	1	1	0	34	2	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	17	2.4	16	Y	RD		Y	
1028	5058031	23	2	1	1	0	37	0	N	N	N	N	N	N	N	6	O	P	N	N	N	N	N	N	N	N	15	2.7	19				Y	
1029	4900266	18	1	0	0	0	37	2	N	N	N	N	N	N	N	7	O	N	N	N	N	N	N	N	N	N	15	2.3	21				Y	
1030	4940097	24	2	1	1	0	38	3	N	N	N	N	N	N	N	8	AB	P	N	N	N	N	N	N	N	N	16	2	23				Y	
1031	5060092	25	3	2	1	1	37	4	N	Y	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	16	3.2	21	Y	RD		Y	
1032	5069685	24	4	2	2	0	38	2	N	N	Y	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	16	2.8	24				Y	
1033	5069685	22	2	1	0	0	35	1	N	N	Y	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	15	2.4	15				Y	
1034	5002625	23	2	1	0	0	29	1	N	N	Y	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	15	1.5	16				Y	
1035	5051390	26	2	1	1	0	38	2	N	N	N	N	N	Y	N	9	O	P	N	N	N	N	N	N	N	N	15	2.2	21	Y	J	Y	Y	
1036	919742	25	3	2	2	0	31	2	N	N	N	N	N	N	N	7	B	N	N	N	N	N	N	N	N	N	15	2.4	25				Y	
1037	4856970	24	2	1	1	0	33	2	N	N	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	15	2.8	17				Y	
1038	2037472	24	2	1	1	0	29	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	3.2	18	Y	J	Y	Y	

1039	4930132	23	1	0	0	0	29	5	N	N	N	N	N	N	N	11	AB	P	N	N	N	N	N	N	N	N	15	3.4	17				Y	
1040	4841432	21	1	0	0	0	32	6	N	N	N	N	N	N	N	13	AB	P	N	N	N	N	N	N	N	N								
1041	4369196	21	1	0	0	0	33	4	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N								
1042	3155447	20	2	1	1	0	33	3	N	N	N	N	N	N	N	11	AB	P	N	N	N	N	N	N	N	N	15	2	18				Y	
1043	894768	23	3	1	1	0	35	2	N	N	Y	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.8	19				Y	
1044	894775	21	2	1	1	0	38	4	N	N	N	N	N	N	N	18	O	P	N	N	N	N	N	N	N	N	16	2.4	13	Y	J	Y	Y	
1045	894800	21	1	0	0	0	39	4	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	16	2.2	18				Y	
1046	894658	20	3	1	1	0	37	5	N	N	Y	N	N	N	N	13	B	P	N	N	N	N	N	N	N	N	17	2.8	19				Y	
1047	893602	20	2	1	1	0	38	0	N	N	N	N	N	N	N	13	B	P	N	N	N	N	N	N	N	N	17	2.2	13				Y	
1048	895280	27	2	1	1	0	39	0	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	17	2	21				Y	
1049	893600	25	1	0	0	0	38	2	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	20	3.1	18				Y	
1050	493356	26	3	2	2	0	37	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	11	3	19	Y	J	Y	Y	
1051	4939891	27	1	0	0	0	36	2	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N								
1052	4775850	25	3	2	2	0	33	4	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N								
1053	4939140	26	2	1	1	0	34	4	N	N	N	N	N	N	N	11	B	N	N	N	N	N	N	N	N	N	14	2.4	15				Y	
1054	4940082	28	3	2	2	0	30	3	N	N	N	N	N	Y	N	10	O	N	N	N	N	N	N	N	N	N	15	2.5	17				Y	
1055	4939010	29	4	3	3	0	31	2	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	14	2.3	18				Y	
1056	4939777	21	2	1	1	0	30	4	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N								
1057	4851579	22	2	1	1	0	33	3	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N								
1058	4904483	21	1	0	0	0	40	5	N	N	N	N	N	N	N	10	O	N	N	N	N	N	N	N	N	N	15	2.4	16				Y	
1059	1324570	20	1	0	0	0	33	3	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	16	2.2	18	Y	RD		Y	
1060	3368194	22	2	1	1	0	39	4	N	N	N	N	N	N	N	10	AB	P	N	N	N	N	N	N	N	N	17	2.8	20	Y	J	Y	Y	
1061	4807284	26	2	1	1	0	37	6	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	18	2	17	Y	J	Y	Y	
1062	4904571	27	3	2	2	0	33	0	N	N	N	N	N	N	N	6	B	P	N	N	N	N	N	N	N	N	18	2.7	21	Y	J	Y	Y	
1063	4827187	28	5	3	3	0	34	2	N	N	Y	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	2.9	16	Y	J	Y	Y	
1064	4942429	29	4	3	3	0	36	6	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	18	2.5	22	Y	RD		Y	
1065	897824	23	2	0	0	0	38	4	Y	N	Y	N	N	N	N	9	O	N	N	N	N	N	N	N	N	N	15	2.4	16				Y	
1066	898566	24	2	1	1	0	37	3	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	2.2	17				Y	
1067	900460	25	2	0	0	0	36	6	N	N	Y	N	N	N	N	7	B	P	N	N	N	N	N	N	N	N	16	2.4	22				Y	
1068	870817	26	1	0	0	0	37	4	N	N	N	N	N	N	N	5	B	N	N	N	N	N	N	N	N	N	16	2.2	21	Y	J	Y	Y	
1069	904129	27	1	0	0	0	39	0	N	N	N	N	N	N	N	7	B	P	N	N	N	N	N	N	N	N	15	2	17				Y	
1070	871445	23	1	0	0	0	38	5	N	N	N	N	N	N	N	7	B	P	N	N	N	N	N	N	N	N	17	2.4	17				Y	
1071	914648	24	1	0	0	0	37	4	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	17	2.3	18				Y	
1072	898968	25	2	1	1	0	33	3	N	N	N	N	N	N	Y	6	O	P	N	N	N	N	N	N	N	N								
1073	910577	24	2	1	1	0	41	2	N	N	N	N	N	N	N	1-	O	P	N	N	N	N	N	N	N	N	17	2.2	18				Y	
1074	905649	25	3	2	2	0	38	0	N	N	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	16	3.1	16				Y	
1075	901231	25	2	1	1	0	37	1	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.8	17				Y	
1076	910253	27	3	2	2	0	38	0	N	N	N	N	N	Y	N	7	AB	P	N	N	N	N	N	N	N	N	15	2.9	18	Y	RD		Y	
1077	896627	24	4	2	2	0	30	3	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	2.4	13				Y	
1078	896708	26	2	1	1	0	32	4	N	N	N	N	N	N	N	6	B	P	N	N	N	N	N	N	N	N	18	2.2	15				Y	
1079	895399	26	2	1	1	0	33	3	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	18	2.3	17	Y	J	Y	Y	
1080	903762	24	2	1	1	0	34	3	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	18	2.4	16				Y	
1081	894323	22	1	0	0	0	38	4	N	N	N	N	N	N	N	9	AB	P	N	N	N	N	N	N	N	N	18	2.3	17	Y	J	Y	Y	
1082	4944344	21	1	0	0	0	39	5	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	19	2	16	Y	J	Y	Y	
1083	4819917	23	3	0	0	0	34	4	N	N	Y	Y	N	N	N	8	A	P	N	Y		k					11	2.7	17.9				Y	
1084	3307942	25	2	1	1	0	36	3	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	18	2.3	17				Y	
1085	912038	28	3	2	2	0	38	3	N	N	N	N	N	N	N	12	B	N	N	N	N	N	N	N	N	N	18	2.9	20	Y	RD		Y	
1086	900852	27	2	0	0	0	39	3	N	N	Y	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	19	2.1	18				Y	
1087	891717	23	2	1	1	0	37	6	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	19	2.3	17				Y	
1088	905659	24	2	0	0	0	36	2	N	N	N	N	Y	N	N	12	AB	P	N	N	N	N	N	N	N	N	11	2.5	15	Y	RD		Y	
1089	897760	25	2	1	1	0	31	1	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	12	2.6	14				Y	
1090	4841432	26	1	0	0	0	32	1	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	13	2.3	16	Y	J	Y	Y	
1091	910064	25	3	1	1	0	36	0	N	N	Y	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	14	2.5	17				Y	
1092	897472	25	4	3	3	0	38	2	N	N	N	N	N	Y	N	8	B	P	N	N	N	N	N	N	N	N	14	2.9	17	Y	RD		Y	
1093	918006	26	5	4	4	0	37	4	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.5	18				Y	
1094	910311	24	3	2	2	0	33	5	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N		2.1					Y	Y
1095	3628044	24	2	0	0	0	31	2	N	N	Y	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.4	17	Y	J	Y	Y	
1096	899468	23	1	0	0	0	39	3	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	16	2.6	17				Y	
1097	900760	23	2	1	1	0	38	2	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.7	15				Y	
1098	906002	22	1	0	0	0	38	3	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.3	21				Y	
1099	899881	21	1	0	0	0	34	5	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N								
1100	897400	20	1	0	0	0	34	6	N	N	N	N	N	N	N	8	B	N	N	N	N	N	N	N	N	N	13	1.5	20				Y	
1101	898689	33	1	0	0	0	31	2	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	14	2.8	21				Y	
1102	4765897	21	1	0	0	0	29	1	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N								
1103	494640	23	2	0	0	0	30	0	N	N	Y	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	3	17	Y	J	Y	Y	
1104	908223	21	1	0	0	0	37	0	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	3.1	19				Y	
1105	897404	29	1	0	0	0	37	0	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.8	17	Y	RD		Y	
1106	897612	28	2	1	1	0	36	6	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.9	18				Y	
1107	897443	26	4	2	2	0	34	5	N	N	N	N	Y	N	N	9	B	P	N	N	N	N	N	N	N	N	15	2.5	17				Y	
1108	897428	31	3	2	2	0	38	4	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.6	16				Y	
1109	3790470	30	4	3	3	0	36	0	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N		2.9					Y	Y
1110	99372	35	2	1	1	0	37	2	N	N	N	N	N	Y	N	18	B	P	N	N	N	N	N	N	N	N	16	2.3	16	Y	LBW		Y	
1111	911119	24	1	0	0	0	37	1	N	N	N	N	N	N	N	19	O	P	N	N	N	N	N	N	N	N	16	2.5	14				Y	
1112	4942387	21	1	0	0	0	31	0	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	14	2.6	14	Y	RD		Y	
1113	901244	22	2	1	1	0	31	5	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	20	2.7	15				Y	
1114	4921341	23	2	1	1	0	38	3	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	19	2.8	15				Y	
1115	905387	25	2	0	0	0	37	6	N	N	Y	N	N	Y	N	12	O	P	N	N	N	N	N	N	N	N	19	2.1	14				Y	
1116	900215	23	3	2	2	0	39	4	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	18	2.2	13	Y	LBW		Y	
1117	897527	24	1	0	0	0	37	0	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	18	2.3	13				Y	
1118	897539	24	3	2	2	0	38	0	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	17	2.4	15				Y	
1119	4857224	23	1	0	0	0	41	3	N	N	N	N	N	N	N	7	O	P	Y	Y	D						14	2.1	10.4				Y	

1120	908972	22	2	0	0	0	37	5	N	N	Y	N	N	N	N	8	B	N	N	N	N	N	N	N	N	N	17	2.1	15				Y	
1121	3445248	21	3	2	2	0	34	6	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	18	2.5	16	Y	RD		Y	
1122	4926333	27	2	1	0	1	36	3	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N		2.7					Y	Y
1123	4727492	33	4	3	3	0	33	4	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	18	2.6	17	Y	LBW		Y	
1124	4165840	35	3	2	2	0	38	2	N	N	N	N	N	N	N	8	AB	P	N	N	N	N	N	N	N	N	19	2.4	18	Y	J	Y	Y	
1125	3730083	21	2	1	1	0	39	2	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	18	2.6	18				Y	
1126	4736613	23	2	1	1	0	38	2	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	14	3	18				Y	
1127	901754	21	1	0	0	0	37	2	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	15	2.6	16	Y	J	Y	Y	
1128	4949894	21	1	0	0	0	38	0	N	N	N	N	N	N	N	8	AB	P	N	N	N	N	N	N	N	N	15	3	13	Y	J	Y	Y	
1129	906679	27	3	1	1	0	39	0	N	N	Y	N	N	Y	N	10	O	P	N	N	N	N	N	N	N	N	16	2.6	15				Y	
1130	907906	34	1	0	0	0	38	3	N	N	N	N	N	N	Y	10	O	P	N	N	N	N	N	N	N	N	15	3	17				Y	
1131	903527	25	2	1	0	1	38	4	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	16	2.6	21	Y	LBW		Y	
1132	4949865	26	3	1	1	0	33	4	N	N	Y	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N								
1133	4883971	24	2	0	0	0	32	4	N	N	Y	N	N	N	N	12	B	N	N	N	N	N	N	N	N	N	16	3.1	17				Y	
1134	911717	25	2	0	0	0	38	6	N	Y	N	N	N	N	N	B	O	P	N	N	N	N	N	N	N	N	16	3.2	16	Y	J	Y	Y	
1135	902502	26	4	1	1	0	35	2	N	N	Y	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N								
1136	902543	23	1	0	0	0	39	3	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	2.5	17				Y	
1137	4861329	24	2	1	1	0	38	3	N	N	N	N	N	Y	N	12	A	P	N	N	N	N	N	N	N	N	15	2.3	23				Y	
1138	4697192	25	3	2	2	0	34	1	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.6	17	Y	J	Y	Y	
1139	905885	26	1	0	0	0	37	1	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	15	3	17	Y	J	Y	Y	
1140	4763569	23	2	1	1	0	36	2	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	17	2.6	16				Y	
1141	4935259	24	3	2	2	0	39	0	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	16	3	17	Y	LBW		Y	
1142	4952616	25	1	0	0	0	39	2	N	N	N	N	N	Y	N	10	B	P	N	N	N	N	N	N	N	N	15	2.6	16				Y	
1143	915676	23	3	2	2	0	38	2	Y	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	3	17				Y	
1144	4914531	31	2	1	1	0	35	2	N	N	N	N	N	N	N	6	A	P	N	N	N	N	N	N	N	N	17	2.6	18	Y	J	Y	Y	
1145	913457	24	3	2	2	0	36	2	N	N	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	16	3	13				Y	
1146	4714452	23	2	0	0	0	38	4	N	N	Y	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N		2.6					N	Y
1147	4694002	24	1	0	0	0	36	5	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	18	3	17	Y	LBW		Y	
1148	4779967	24	1	0	0	0	37	5	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	19	2.6	17	Y	J	Y	Y	
1149	4796406	23	1	0	0	0	37	5	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	19	2.4	18	Y	J	Y	Y	
1150	4952321	35	1	0	0	0	37	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	17	2.6	19	Y	J	Y	Y	
1151	904261	25	1	0	0	0	39	4	N	N	N	N	N	N	N		B	P	N	N	N	N	N	N	N	N	17	2.4	18	Y	J	Y	Y	
1152	905823	24	1	0	0	0	38	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.5	18				Y	
1153	494829	23	2	0	0	0	39	0	N	N	Y	N	N	N	N	19	B	P	N	N	N	N	N	N	N	N	17	2.6	17				Y	
1154	902405	24	3	2	2	0	38	0	N	N	Y	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	17	2.7	18	Y	LBW		Y	
1155	4858522	26	2	1	1	0	39	3	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	17	2.8	17				Y	
1156	4747013	27	2	0	0	0	39	2	N	N	Y	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	16	2.9	16	Y	RD		Y	
1157	4436209	24	4	2	1	1	36	1	N	N	Y	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	17	2.6	15				Y	
1158	907681	25	2	0	0	0	36	1	N	N	Y	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	18	2.4	16				Y	
1159	4436209	25	1	0	0	0	38	1	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	17	2.3	21	Y	RD		Y	
1160	4893662	24	1	0	0	0	37	4	N	N	N	N	N	N	N	8	AB	P	N	N	N	N	N	N	N	N	16	2.3	16				Y	
1161	4756528	22	3	2	2	0	38	3	N	N	N	N	N	Y	N	9	A	P	N	N	N	N	N	N	N	N	17	2.4	22	Y	RD		Y	
1162	4788844	21	1	0	0	0	37	0	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	17	2.3	16				Y	
1163	902600	20	1	0	0	0	38	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.9	17				Y	
1164	904491	20	1	0	0	0	38	3	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	18	2.7	20				Y	
1165	904081	24	3	1	1	0	39	5	N	N	N	Y	N	N	N	11	B	P	N	N	N	N	N	N	N	N	18	2.5	21	Y	J	Y	Y	
1166	907228	26	2	1	1	0	38	6	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	17	2.1	18	Y	LBW		Y	
1167	4838300	27	3	2	2	0	37	3	N	N	N	N	N	N	N	10	B	N	N	N	N	N	N	N	N	N	18	2.3	17				Y	
1168	900947	27	3	1	1	0	37	2	N	N	Y	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	19	2.1	15				Y	
1169	905089	27	2	1	1	0	38	1	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	17	2.1	16				Y	
1170	4894307	23	3	2	2	0	38	1	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	17	2.3	16				Y	
1171	4894307	25	4	3	2	1	39	0	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	16	2.4	16	Y	J	Y	Y	
1172	4954311	24	4	3	3	0	38	0	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.5	17				Y	
1173	4781741	25	3	2	2	0	39	0	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	16	2.9	16				Y	
1174	901191	26	3	1	1	0	38	2	N	N	Y	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	15	3	15	Y	RD		Y	
1175	900196	23	2	1	1	0	38	3	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	16	2.6	15				Y	
1176	4953842	23	3	2	2	0	37	2	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	15	3	14	Y	RD		Y	
1177	902830	24	1	0	0	0	35	4	N	N	N	N	N	N	Y	9	B	P	N	N	N	N	N	N	N	N	15	2.2	13				Y	
1178	4955740	25	2	0	0	0	37	2	N	N	Y	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	12	2.5	15	Y	J	Y	Y	
1179	902930	23	1	0	0	0	33	2	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	11	2.5	14	Y	LBW		Y	
1180	909741	25	3	2	2	0	33	1	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	12	2.9	13				Y	
1181	906084	23	4	2	2	0	37	4	N	N	Y	N	N	N	N	7	B	P	N	N	N	N	N	N	N	N	13	2.7	14				Y	
1182	4955532	24	1	0	0	0	37	5	N	N	N	N	N	Y	N	8	O	P	N	N	N	N	N	N	N	N	12	2.5	16	Y	J	Y	Y	
1183	906601	23	1	0	0	0	32	4	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	12	2.3	16	Y	LBW		Y	
1184	4272050	24	2	0	0	0	31	4	N	N	Y	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N		2.1					N	Y
1185	909233	24	4	2	2	0	38	5	N	N	Y	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	12	2.4	18	Y	RD		Y	
1186	903873	21	1	0	0	0	36	6	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	13	2.4	18				Y	
1187	4714795	20	1	0	0	0	38	4	N	N	N	N	N	N	N	9	B	N	N	N	N	N	N	N	N	N	13	2.7	19	Y	LBW		Y	
1188	902829	22	1	0	0	0	39	2	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	14	2.3	19				Y	
1189	4912274	23	3	1	1	0	38	2	N	N	Y	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	16	2.5	18	Y	J	Y	Y	
1190	901476	24	1	0	0	0	37	3	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	14	2.6	17	Y	LBW		Y	
1191	4878531	23	2	1	1	0	37	1	N	N	N	N	N	N	N	13	B	N	N	N	N	N	N	N	N	N	14	2.5	17				Y	
1192	905972	24	3	1	1	0	38	1	N	N	Y	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	14	2.6	21				Y	
1193	907195	25	3	2	1	0	36	4	N	Y	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	15	2.5	18	Y	J	Y	Y	
1194	910289	22	1	0	0	0	37	5	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	15	2.1	18	Y	LBW		Y	
1195	4955309	27	3	1	1	0	38	2	N	N	Y	N	N	N	N	10	AB	P	N	N	N	N	N	N	N	N	15	2.3	19				Y	
1196	898644	28	2	0	0	0	37	2	N	N	Y	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	18	2.5	21	Y	LBW		Y	
1197	900435	28	2	1	1	0	38	3	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.7	17				Y	
1198	908653	26	1	0	0	0	37	3	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	14	2.6	17				Y	
1199	3618443	25	2	1	1	0	38	3	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	14	3	18	Y	LBW		Y	
1200	4812785	28	1	0	0	0	39	1	N	N	N	N	N	N	N		A	P	N	N	N	N	N	N	N	N	15	3	18				Y	

1201	909883	28	3	2	1	1	38	1	N	N	N	N	N	N	N	11	AB	P	N	N	N	N	N	N	N	N	16	2.6	19	Y	J	Y	Y	
1202	906158	26	1	0	0	0	37	5	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.6	21				Y	
1203	912400	23	2	1	1	0	36	6	N	N	N	N	N	N	N	7	B	P	N	N	N	N	N	N	N	N	15	3	18	Y	LBW		Y	
1204	907815	23	1	0	0	0	38	0	N	N	N	N	N	N	N	7	A	P	N	N	N	N	N	N	N	N	15	2.6	13				Y	
1205	908626	21	2	0	0	0	39	2	N	N	Y	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.5	15				Y	
1206	902829	25	1	0	0	0	37	1	N	N	N	N	N	Y	N	9	A	P	N	N	N	N	N	N	N	N	16	2.7	17	Y	J	Y	Y	
1207	2125004	23	3	1	1	0	38	2	N	N	Y	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	16	2.5	21	Y	LBW		Y	
1208	4822231	33	1	0	0	0	40	3	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	2.5	24				Y	
1209	4929191	34	1	0	0	0	37	2	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	16	2.3	17	Y	LBW		Y	
1210	4798043	21	1	0	0	0	38	1	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	17	2.4	18	Y	J	Y	Y	
1211	4904718	20	2	1	1	0	35	3	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	17	2.5	19				Y	
1212	919516	33	1	0	0	0	38	4	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	16	2.4	19	Y	LBW		Y	
1213	4944333	25	3	1	1	0	36	3	N	N	Y	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	17	2.6	15				Y	
1214	4959465	25	3	2	2	0	37	2	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.7	16	Y	J	Y	Y	
1215	4762695	24	1	0	0	0	39	3	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	16	2.8	17				Y	
1216	4892504	21	1	0	0	0	38	2	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	17	2.8	18	Y	LBW		Y	
1217	3997654	22	2	0	0	0	38	4	N	N	Y	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	17	2.3	19				Y	
1218	4959582	23	2	1	1	0	37	2	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	14	2.4	21				Y	
1219	4943838	24	2	0	0	0	37	3	N	N	Y	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	15	2.7	17				Y	
1220	4959608	25	1	0	0	0	36	4	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	14	2.9	23	Y	LBW		Y	
1221	4812624	25	2	0	0	0	37	4	N	N	Y	N	N	N	N	9	O	N	N	N	N	N	N	N	N	N	13	2.6	18				Y	
1222	4808403	24	1	0	0	0	38	5	N	N	N	N	N	N	N	9	O	N	N	N	N	N	N	N	N	N	14	2.9	19				Y	
1223	4751255	26	3	2	2	0	31	4	N	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N	14	2.1	13	Y	LBW		Y	
1224	4771733	26	1	0	0	0	30	5	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	16	2.3	17				Y	
1225	4957292	23	2	1	1	0	39	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	14	2.4	18	Y	RD		Y	
1226	4756381	24	1	0	0	0	38	6	N	N	N	N	N	N	N	9	B	N	N	N	N	N	N	N	N	N	14	2.5	18				Y	
1227	4920105	22	1	0	0	0	37	3	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.9	17				Y	
1228	3399801	27	1	0	0	0	36	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.4	17	Y	LBW		Y	
1229	4032424	24	2	1	1	0	35	4	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	16	2.5	19	Y	RD		Y	
1230	4885045	23	3	1	1	0	34	6	N	N	Y	N	N	N	N	12	AB	P	N	N	N	N	N	N	N	N	16	2.6	18				Y	
1231	4756051	20	1	0	0	0	33	1	N	N	N	N	N	Y	N	8	A	P	N	N	N	N	N	N	N	N	16	2.7	18				Y	
1232	4954435	31	4	3	2	1	39	1	N	Y	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.5	21	Y	LBW		Y	
1233	3112604	24	1	0	0	0	38	1	N	N	N	N	N	N	N	9	AB	P	N	N	N	N	N	N	N	N	15	2.4	17	Y	RD		Y	
1234	4961362	30	3	1	1	0	38	0	N	N	Y	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	16	2.9	14				Y	
1235	4812663	28	1	0	0	0	38	0	N	N	N	N	N	N	Y	10	O	P	N	N	N	N	N	N	N	N	16	2.8	13	Y	LBW		Y	
1236	4805213	23	1	0	0	0	37	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	2.6	13				Y	
1237	4864108	24	2	1	1	0	36	0	N	N	N	N	N	N	N	13	B	N	N	N	N	N	N	N	N	N	15	2.3	16				Y	
1238	4813987	23	1	0	0	0	39	3	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	15	2.5	14	Y	LBW		Y	
1239	4731318	24	2	1	1	0	40	6	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	16	2.7	13				Y	
1240	4869404	26	1	0	0	0	38	1	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	17	2.4	13	Y	RD		Y	
1241	4766418	22	1	0	0	0	39	0	N	N	N	N	N	N	N	13	O	P	N	N	N	N	N	N	N	N	17	2.6	20				Y	
1242	4895812	24	4	2	1	1	37	4	N	N	Y	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	17	2.6	16	Y	LBW		Y	
1243	4818044	25	1	0	0	0	38	6	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	17	2.6	13				Y	
1244	4913853	23	3	2	1	1	34	6	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	18	3	16	Y	LBW		Y	
1245	4749211	20	1	0	0	0	33	3	N	N	N	N	N	N	N	10.2	O	P	N	N	N	N	N	N	N	N	18	2.6	18				Y	
1246	4958327	22	1	0	0	0	31	3	Y	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	17	2.1	21				Y	
1247	4324624	23	1	0	0	0	35	2	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	17	3.1	25				Y	
1248	4840195	24	2	1	0	1	35	3	N	N	N	Y	N	N	N	9	A	P	N	N	N	N	N	N	N	N		3					N	Y
1249	3978463	32	3	2	2	0	38	2	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	12	2.6	18	Y	LBW		Y	
1250	4962926	23	4	2	1	1	32	1	N	Y	Y	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	13	2.6	19				Y	
1251	4962830	24	3	2	2	0	36	4	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	13	2.5	18	Y	RD		Y	
1252	4030574	25	2	1	1	0	38	4	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	13	2.3	17				Y	
1253	4807917	23	1	0	0	0	38	5	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	15	2.9	17	Y	LBW		Y	
1254	4948361	26	1	0	0	0	41	1	N	N	N	N	N	N	N	10	AB	P	N	N	N	N	N	N	N	N	16	2.8	18				Y	
1255	4767363	23	2	1	1	0	34	2	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	17	2.7	19				Y	
1256	4843377	21	3	2	2	0	31	4	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	17	2.3	14				Y	
1257	4948510	20	4	2	1	0	36	5	N	Y	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	17	2.5	13	Y	LBW		Y	
1258	4938091	32	2	1	1	0	38	6	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	14	2.6	17				Y	
1259	4782603	34	1	0	0	0	33	2	N	Y	N	N	N	Y	N	9	A	P	N	N	N	N	N	N	N	N	15	2.4	19	Y	RD		Y	
1260	4814152	21	3	2	2	0	34	3	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.4	18				Y	
1261	4964118	21	2	0	0	0	32	5	N	N	Y	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	15	2.3	19	Y	LBW		Y	
1262	4964192	33	1	0	0	0	31	1	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	15	2.1	19				Y	
1263	4964044	24	2	1	1	0	34	1	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2.9	18				Y	
1264	4964210	25	3	0	0	0	39	2	N	N	Y	N	Y	N	N	9	A	P	N	N	N	N	N	N	N	N	15	2.8	17				Y	
1265	4383990	26	1	0	0	0	39	0	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.4	18	Y	LBW		Y	
1266	4964136	25	2	1	1	0	28	3	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	15	2.6	21				Y	
1267	4959560	23	3	2	2	0	29	2	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	15	2.7	27				Y	
1268	4902082	24	4	1	1	0	34	5	N	N	Y	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	16	2.8	15	Y	LBW		Y	
1269	4821656	25	2	1	1	0	31	6	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	2.9	15				Y	
1270	4930843	23	1	0	0	0	35	2	Y	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	2.5	17				Y	
1271	4918126	24	1	0	0	0	36	1	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.6	16				Y	
1272	4810464	21	1	0	0	0	37	0	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N								
1273	4965313	20	2	1	1	0	37	2	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	15	2.6	20				Y	
1274	4964214	21	3	2	1	1	33	4	N	N	N	N	N	N	Y	8	B	P	N	N	N	N	N	N	N	N								
1275	4953341	32	1	0	0	0	32	6	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	16	2.1	17	Y	LBW		Y	
1276	4901891	23	2	1	1	0	28	1	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	16	2.9	17				Y	
1277	4967030	26	4	3	3	0	35	3	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	16	2.5	15				Y	
1278	4890950	25	3	2	2	0	37	5	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	17	3	16	Y	RD		Y	
1279	4939010	21	2	1	1	0	36	2	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2.6	19	Y	LBW		Y	
1280	4746102	23	3	2	2	0	35	5	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N								
1281	4821348	24	5	3	3	0	34	6	N	N	Y	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	15	3	18				Y	

1282	4747115	23	2	1	1	0	32	0	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	15	2.4	22				Y	
1283	4793159	21	3	2	2	0	36	1	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	15	2.6	15	Y	LBW		Y	
1284	4846879	23	1	0	0	0	39	3	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	16	3	17				Y	
1285	3902184	24	3	0	0	0	29	4	N	N	Y	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	16	2.6	17				Y	
1286	4880928	25	2	1	1	0	34	2	N	N	N	N	N	Y	N	10	O	P	N	N	N	N	N	N	N	N	16	3	17	Y	LBW		Y	
1287	4779967	26	3	2	2	0	35	4	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	14	2.2	13				Y	
1288	4969751	27	4	3	3	0	34	5	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	15	3.2	14				Y	
1289	4842720	28	5	2	2	0	32	2	N	N	Y	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.4	14	Y	LBW		Y	
1290	4771558	29	3	2	2	0	35	5	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2.5	17				Y	
1291	3167528	23	4	3	3	0	33	3	N	Y	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	16	2.3	17				Y	
1292	4748965	24	2	1	1	0	36	1	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	17	2.4	14	Y	LBW		Y	
1293	4218388	25	1	0	0	0	34	0	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	17	2.6	21				Y	
1294	4949662	22	2	0	0	0	39	0	N	N	N	Y	N	N	N	10	A	P	N	N	N	N	N	N	N	N	18	2.8	16				Y	
1295	2890954	21	1	0	0	0	33	2	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	15	2.9	23				Y	
1296	4914531	32	2	1	1	0	36	3	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	18	2.6	16	Y	LBW		Y	
1297	3700978	23	2	1	1	0	38	3	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N								
1298	3242756	22	3	2	2	0	34	4	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	18	2.4	17				Y	
1299	4832457	21	2	1	1	0	33	5	N	N	N	N	N	N	Y	9	A	P	N	N	N	N	N	N	N	N	19	2.7	18	Y	LBW		Y	
1300	4972146	24	4	3	3	0	32	4	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	15	2.4	13				Y	
1301	3566793	26	3	2	2	0	40	3	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	15	2.6	16				Y	
1302	4971787	23	2	1	1	0	38	2	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	2.4	14				Y	
1303	4932915	30	1	0	0	0	41	1	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	17	2.8	21	Y	LBW		Y	
1304	4874087	26	2	1	1	0	37	4	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	18	2.9	17				Y	
1305	4939528	24	2	1	1	0	37	5	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	18	2.1	17				Y	
1306	4879766	27	3	2	2	0	39	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	17	2.3	18	Y	LBW		Y	
1307	4243813	34	3	1	1	0	35	2	N	N	Y	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	2.4	17				Y	
1308	4947996	19	4	3	3	0	34	2	N	N	N	N	N	Y	N	9	AB	P	N	N	N	N	N	N	N	N	15	2.6	19				Y	
1309	4927288	23	1	0	0	0	36	4	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	17	2.9	17				Y	
1310	497737	21	2	1	1	0	34	6	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	17	2.6	17				Y	
1311	4913463	20	2	1	1	0	35	0	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N								
1312	4949662	18	1	0	0	0	32	3	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N								
1313	4977605	24	3	2	1	1	33	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	18	1.8	16	Y	LBW		Y	
1314	896279	25	1	0	0	0	35	3	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	17	2.2	21				Y	
1315	4762695	23	2	1	1	0	36	2	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2.5	18				Y	
1316	4948523	26	2	0	0	0	37	1	N	N	Y	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	15	2.4	19	Y	LBW		Y	
1317	4992504	24	4	2	2	0	34	1	N	Y	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	17	2.3	19				Y	
1318	4750410	23	4	1	0	1	35	1	N	Y	Y	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.5	16				Y	
1319	4848354	25	3	2	1	0	37	3	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.7	22	Y	LBW		Y	
1320	4705077	23	2	1	1	0	38	4	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	15	2.1	15				Y	
1321	4739817	21	1	0	0	0	39	2	N	N	N	N	N	N	N	12	B	P	N	N	N	N	N	N	N	N	17	2.6	13	Y	RD		Y	
1322	4959658	20	2	1	1	0	39	2	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	18	2.1	16				Y	
1323	4791943	33	1	0	0	0	34	4	N	N	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	18	2.7	15	Y	LBW		Y	
1324	3076176	28	2	1	1	0	39	5	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	17	2.5	17				Y	
1325	4878398	27	2	1	1	0	39	2	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	18	2.8	17				Y	
1326	902002	23	1	0	0	0	33	3	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	17	2.9	18				Y	
1327	4444847	24	2	1	1	0	36	5	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	18	2.4	14	Y	LBW		Y	
1328	4942387	21	1	0	0	0	34	2	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N		2.7					N	Y
1329	4814072	20	1	0	0	0	35	1	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	3	21				Y	
1330	4776036	33	1	0	0	0	33	1	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	3	17	Y	LBW		Y	
1331	908471	21	2	1	1	0	37	5	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	3	21				Y	
1332	810481	31	1	0	0	0	38	4	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	15	2.6	20				Y	
1333	4443838	33	2	1	1	0	37	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	16	2.6	18	Y	LBW		Y	
1334	4866995	26	3	2	2	0	35	3	N	N	N	N	N	N	N	10	AB	P	N	N	N	N	N	N	N	N	16	2.6	16				Y	
1335	903512	26	2	0	0	0	36	4	N	N	Y	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	17	2.4	17	Y	LBW		Y	
1336	4959465	26	3	1	1	0	37	5	N	N	Y	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	16	2.3	16				Y	
1337	903442	23	4	3	3	0	39	2	N	N	N	N	N	N	N	7	O	P	N	N	N	N	N	N	N	N	16	2.4	17				Y	
1338	4749093	22	3	2	2	0	34	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.7	18				Y	
1339	4913463	21	2	1	1	0	35	1	N	N	N	N	N	Y	N	10	B	P	N	N	N	N	N	N	N	N	15	2.9	16	Y	RD		Y	
1340	903827	20	3	2	2	0	28	0	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	2.7	17	Y	RD		Y	
1341	4872129	32	2	1	1	0	39	1	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	17	2.6	17				Y	
1342	3997654	25	1	0	0	0	38	3	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	18	2.8	15	Y	J	Y	Y	
1343	4983883	26	2	1	1	0	37	4	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	19	2.6	18				Y	
1344	4798063	22	3	2	1	1	38	5	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	19	2.6	16	Y	J	Y	Y	
1345	4805709	23	2	1	1	0	35	2	N	N	N	N	N	N	N	9	AB	P	N	N	N	N	N	N	N	N								
1346	4980869	24	3	2	2	0	36	2	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	14	3	16				Y	
1347	902486	23	2	1	1	0	37	4	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.4	17				Y	
1348	4812624	24	2	1	1	0	35	4	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	12	2.5	17	Y	LBW		Y	
1349	903983	25	3	2	2	0	36	4	N	N	N	N	N	N	N	10	AB	P	N	N	N	N	N	N	N	N		2.1					N	Y
1350	902534	26	4	2	1	0	37	2	N	Y	Y	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	12	2.8	17				Y	
1351	3790470	24	3	2	2	0	37	2	N	N	N	N	N	N	Y	10	O	P	N	N	N	N	N	N	N	N	13	2.4	17	Y	LBW		Y	
1352	4863524	26	5	3	3	0	35	3	N	N	Y	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2.6	16				Y	
1353	4797997	25	4	3	3	0	36	4	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	13	3	16	Y	LBW		Y	
1354	4957292	23	3	2	2	0	37	2	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N		2.6					N	Y
1355	480840	23	2	1	1	0	38	1	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N		2.8					N	Y
1356	902939	24	2	1	1	0	36	1	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	12	2.3	17				Y	
1357	3191423	21	1	0	0	0	34	4	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	14	2.9	18	Y	LBW		Y	
1358	2986138	22	2	0	0	0	35	3	N	N	N	Y	N	Y	N	9	B	P	N	N	N	N	N	N	N	N	15	2.3	17				Y	
1359	902889	20	1	0	0	0	36	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	13	2.4	17	Y	LBW		Y	
1360	4781733	22	1	0	0	0	35	5	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	15	2.8	18				Y	
1361	4978419	23	3	2	2	0	37	6	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.8	18				Y	
1362	903611	24	2	1	1	0	35	3	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	3	17				Y	

1363	4983474	25	2	1	1	0	35	2	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2.8	21	Y	LBW		Y	
1364	903444	26	2	0	0	0	35	1	N	N	Y	N	N	N	N	7	B	P	N	N	N	N	N	N	N	N								
1365	4967057	26	2	1	1	0	36	4	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	14	2.4	14	Y	RD		Y	
1366	903422	24	3	0	0	0	35	2	N	N	Y	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	14	2.5	16				Y	
1367	4117428	25	1	0	0	0	36	3	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	14	2.4	17	Y	LBW		Y	
1368	4414389	26	2	0	0	0	34	4	N	N	Y	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	15	2.5	18				Y	
1369	4720767	22	2	1	1	0	35	1	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	13	2.9	19				Y	
1370	4766341	21	3	2	2	0	34	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	13	2.8	18	Y	LBW		Y	
1371	4839772	23	3	2	2	0	33	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	14	2.7	20				Y	
1372	4751255	24	1	0	0	0	37	4	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	14	2.6	21				Y	
1373	4886111	21	2	1	1	0	38	2	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.9	18				Y	
1374	3629044	23	1	0	0	0	38	1	N	N	N	N	N	Y	N	9	A	P	N	N	N	N	N	N	N	N	15	2.4	18	Y	LBW		Y	
1375	903563	24	1	0	0	0	39	2	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2.3	19	Y	RD		Y	
1376	4944333	25	4	0	0	0	37	1	N	N	Y	Y	N	N	N	9	A	P	N	N	N	N	N	N	N	N	14	2.1	18				Y	
1377	4979671	23	3	2	2	0	36	0	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.4	17	Y	J	Y	Y	
1378	4770476	21	4	3	3	0	38	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.8	17	Y	LBW		Y	
1379	903598	22	2	1	1	0	38	2	N	N	N	N	N	N	N	12	O	P	N	N	N	N	N	N	N	N	16	2.8	21				Y	
1380	902551	27	2	1	1	0	37	2	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	14	2.8	17				Y	
1381	902308	25	3	1	1	0	37	1	N	N	Y	N	N	N	Y	8	O	P	N	N	N	N	N	N	N	N	15	3	19				Y	
1382	4831258	23	3	2	2	0	38	1	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N								
1383	4979676	24	3	2	2	0	38	3	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N								
1384	4766337	21	1	0	0	0	39	1	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.5	23				Y	
1385	4439360	20	1	0	0	0	38	2	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2.3	21				Y	
1386	4948593	38	2	1	1	0	35	3	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2.7	18	Y	LBW		Y	
1387	4962714	32	1	0	0	0	37	1	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	14	2.4	19				Y	
1388	4774611	21	2	1	1	0	38	2	N	N	N	N	N	N	N	7	A	P	N	N	N	N	N	N	N	N	14	2.6	19				Y	
1389	4919359	23	1	0	0	0	39	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	13	2.5	21				Y	
1390	4765879	22	2	1	1	0	39	4	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	14	2.5	22	Y	LBW		Y	
1391	4946408	24	4	2	2	0	38	2	N	N	Y	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	14	2.3	21				Y	
1392	4159236	24	3	2	2	0	38	3	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	13	2.8	20	Y	J	Y	Y	
1393	903405	25	2	1	1	0	39	1	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	14	2.4	19				Y	
1394	3549507	24	3	2	2	0	38	4	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	14	3	19	Y	LBW		Y	
1395	4813301	23	1	0	0	0	37	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N								
1396	433963	21	1	0	0	0	38	3	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	15	2.4	19				Y	
1397	4983138	22	1	0	0	0	37	4	N	Y	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	16	2.5	16	Y	J	Y	Y	
1398	4959582	22	1	0	0	0	38	3	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2.7	17	Y	LBW		Y	
1399	902933	22	2	1	1	0	39	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	17	2.6	17				Y	
1400	901400	23	3	2	2	0	35	4	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	16	2.4	17				Y	
1401	2110118	23	2	1	1	0	36	5	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	17	2.8	18	Y	CA		Y	
1402	4974904	24	3	2	2	0	37	3	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	16	2.8	17				Y	
1403	4845134	23	4	2	1	1	34	1	Y	Y	Y	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N								
1404	4932500	24	1	0	0	0	35	2	N	N	N	N	N	N	N	9	AB	P	N	N	N	N	N	N	N	N	17	2.8	19	Y	LBW		Y	
1405	4855709	25	1	0	0	0	36	2	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N								
1406	4812752	23	2	1	1	0	35	6	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N								
1407	4837810	21	1	0	0	0	36	5	N	N	N	N	N	Y	N	10	B	P	N	N	N	N	N	N	N	N	15	2.8	21				Y	
1408	4932127	20	3	2	2	0	37	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	3.1	17	Y	LBW		Y	
1409	4927477	38	1	0	0	0	29	4	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	17	2.1	17				Y	
1410	4812785	23	2	1	1	0	36	1	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	14	2	17				Y	
1411	4927528	23	1	0	0	0	37	1	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	17	3.1	16	Y	J	Y	Y	
1412	4961502	24	3	2	2	0	34	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N								
1413	4824773	25	4	3	3	0	36	3	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	16	2.8	17	Y	LBW		Y	
1414	4749364	24	2	1	1	0	37	4	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	17	2.5	17				Y	
1415	4808240	23	1	0	0	0	39	3	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	2.9	18				Y	
1416	4750236	25	3	2	2	0	38	5	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	2.4	18				Y	
1417	4987092	24	2	1	1	0	37	4	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.6	17				Y	
1418	4815556	25	1	0	0	0	37	3	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N								
1419	4933356	24	1	0	0	0	39	3	N	N	N	N	N	N	N	9	AB	P	N	N	N	N	N	N	N	N	15	2.7	18				Y	
1420	4986092	23	2	1	1	0	37	5	N	N	N	N	N	N	N	10	AB	P	N	N	N	N	N	N	N	N	15	2.4	16	Y	LBW		Y	
1421	4988145	23	1	0	0	0	38	4	N	N	N	N	N	N	Y	10	A	P	N	N	N	N	N	N	N	N	16	2.9	13				Y	
1422	4796406	22	2	1	1	0	39	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.4	14				Y	
1423	4739722	21	2	1	1	0	38	1	N	N	N	N	N	N	N	11	B	P	N	N	N	N	N	N	N	N	15	2.5	21	Y	LBW		Y	
1424	4857892	20	3	2	2	0	39	2	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.3	21				Y	
1425	904326	23	2	1	1	0	37	3	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	16	2.4	17				Y	
1426	4989581	24	1	0	0	0	38	6	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.1	18				Y	
1427	4989451	25	1	0	0	0	39	5	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.5	16				Y	
1428	4966264	25	1	0	0	0	34	4	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	15	2.6	17				Y	
1429	3970129	23	2	1	1	0	35	1	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N								
1430	3671907	25	2	1	1	0	38	2	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	16	2.9	23	Y	LBW		Y	
1431	4224882	26	3	2	2	0	37	3	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	16	2.8	18				Y	
1432	3368194	26	3	2	2	0	34	5	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N								
1433	4910727	24	4	3	3	0	35	4	N	N	N	N	N	Y	N	9	B	P	N	N	N	N	N	N	N	N	17	2.4	21				Y	
1434	4028223	23	3	1	1	0	34	3	N	Y	Y	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	14	2.1	15	Y	J	Y	Y	
1435	3829938	24	2	1	1	0	29	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N								
1436	4859451	26	1	0	0	0	39	1	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	12	1.9	15				Y	
1437	904990	26	1	0	0	0	34	0	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N								
1438	4927288	25	2	1	1	0	35	2	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	12	2.8	17	Y	J	Y	Y	
1439	3162052	26	4	3	3	0	34	1	N	N	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N								
1440	4867481	31	3	2	2	0	33	2	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	14	2.8	17	Y	LBW		Y	
1441	4725150	24	2	1	1	0	32	3	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	13	3.1	15	Y	LBW		Y	
1442	4910173	25	3	2	2	0	32	4	N	N	N	N	N	N	Y	9	O	P	N	N	N	N	N	N	N	N		2.6	21				N	Y
1443	4901669	27	1	0	0	0	31	4	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	3.4	20				Y	

1444	4992823	26	3	2	2	0	34	3	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.1	17				Y	
1445	4992804	27	4	3	2	1	35	6	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.6	17	Y	RD		Y	
1446	912237	24	2	1	1	0	36	5	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	3.2	17				Y	
1447	905165	24	4	3	3	0	34	4	Y	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	16	2.8	17	Y	LBW		Y	
1448	905158	23	3	2	2	0	35	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	16	3.5	18				Y	
1449	905027	23	2	1	1	0	36	2	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.8	21				Y	
1450	904781	24	1	0	0	0	37	2	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	16	2.2	13	Y	LBW		Y	
1451	904800	25	2	1	1	0	35	2	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	11	2.3	14				Y	
1452	905424	27	1	0	0	0	34	6	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	13	2.4	17				Y	
1453	905409	26	2	1	1	0	35	4	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	20	2.2	17				Y	
1454	905407	25	2	0	0	0	39	5	N	Y	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	17	2.8	17	Y	LBW		Y	
1455	906630	22	2	1	1	0	36	3	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2	16				Y	
1456	905461	21	3	2	2	0	37	4	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	1.5	15				Y	
1457	905480	20	3	2	2	0	35	3	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.7	14	Y	LBW		Y	
1458	4965050	20	2	1	1	0	36	2	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.7	13	Y	LBW		Y	
1459	4993934	37	2	1	1	0	37	5	N	N	N	N	N	N	N	11	A	P	N	N	N	N	N	N	N	N	15	2.4	15	Y	LBW		Y	
1460	4930184	24	1	0	0	0	38	4	N	N	N	N	N	N	N	12	A	P	N	N	N	N	N	N	N	N	15	2	17				Y	
1461	4978913	26	1	0	0	0	37	3	N	N	N	N	N	Y	N	10	A	P	N	N	N	N	N	N	N	N	16	2.3	18				Y	
1462	4994215	27	2	1	1	0	36	5	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.4	17				Y	
1463	4869347	24	3	2	2	0	37	4	N	N	N	N	N	N	N	11	O	P	N	N	N	N	N	N	N	N	16	2.6	21	Y	LBW		Y	
1464	4819705	25	2	1	1	0	38	3	N	Y	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.8	22				Y	
1465	4861293	24	1	0	0	0	33	2	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N								
1466	486018	26	2	1	1	0	39	1	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	15	2.3	19				Y	
1467	4810744	26	3	2	2	0	37	0	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	15	2.8	18				Y	
1468	4615177	27	1	0	0	0	38	0	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N								
1469	4685835	24	2	0	0	0	38	3	N	N	N	N	Y	N	N	10	A	P	N	N	N	N	N	N	N	N	15	3.4	18				Y	
1470	4841213	27	3	2	2	0	35	2	Y	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2	17				Y	
1471	428701	33	4	2	2	0	36	1	N	N	N	N	Y	N	N	8	O	P	N	N	N	N	N	N	N	N	15	2.4	17	Y	LBW		Y	
1472	4861959	28	3	2	2	0	37	1	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	12	2.6	18	Y	RD		Y	
1473	4742959	29	2	0	0	0	37	6	N	N	Y	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N		2					N	Y
1474	4685835	27	1	0	0	0	36	5	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	14	2.7	19				Y	
1475	4766051	28	2	1	1	0	36	4	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.7	13	Y	LBW		Y	
1476	4835598	28	3	2	2	0	38	3	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	14	2.4	15				Y	
1477	4863368	28	2	0	0	0	36	2	N	N	Y	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.5	14	Y	RD		Y	
1478	3708072	23	2	0	0	0	37	1	N	N	N	Y	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.8	14	Y	LBW		Y	
1479	4820651	25	1	0	0	0	38	3	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.7	13				Y	
1480	4864726	26	2	1	1	0	39	2	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	15	2.3	15				Y	
1481	4863849	27	1	0	0	0	38	1	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2.4	16				Y	
1482	4767339	28	2	1	1	0	34	2	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2.5	16				Y	
1483	4864695	28	3	1	2	0	37	3	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	16	2.9	17				Y	
1484	4610845	28	2	1	1	0	38	3	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N								
1485	4811538	32	2	1	1	0	39	3	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	19	3.1	21	Y	LBW		Y	
1486	4840914	24	3	2	2	0	38	3	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	17	2.4	24				Y	
1487	4819450	28	2	1	1	0	28	5	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.2	16	Y	RD		Y	
1488	4709624	25	3	2	2	0	38	4	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	16	2.4	17				Y	
1489	4656414	28	4	3	3	0	41	2	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	16	2.8	22				Y	
1490	4759253	28	2	1	1	0	34	4	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	16	2.4	2`1	Y	LBW		Y	
1491	4792447	27	2	1	1	0	35	4	N	Y	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2.6	15				Y	
1492	4839931	28	1	0	0	0	36	2	N	N	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N		2.3					N	Y
1493	3714725	28	4	3	3	0	34	2	N	N	N	N	N	Y	N	7	O	P	N	N	N	N	N	N	N	N	15	2.8	17				Y	
1494	4796524	29	2	1	1	0	35	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	14	2.3	16				Y	
1495	4685828	23	3	2	2	0	37	2	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	14	2.3	17	Y	LBW		Y	
1496	4703748	25	2	1	1	0	38	5	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	2.7	17				Y	
1497	4479458	25	1	0	0	0	38	4	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2.1	16				Y	
1498	4669279	40	1	0	0	0	39	3	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	16	2.2	14	Y	RD		Y	
1499	4775986	23	2	1	1	0	38	2	N	N	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	17	2.9	16	Y	LBW		Y	
1500	4627180	21	1	0	0	0	34	1	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	16	2.4	17				Y	
1501	3743442	20	3	2	2	0	35	2	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	15	2.7	17				Y	
1502	4867819	25	2	1	1	0	36	2	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	16	2.5	16				Y	
1503	4653447	26	3	2	1	0	37	0	N	Y	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	16	2.2	17	Y	LBW		Y	
1504	4742662	27	4	3	2	1	38	0	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2.8	17				Y	
1505	4759337	25	3	2	2	0	39	0	N	N	N	N	N	N	N	8	B	P	N	N	N	N	N	N	N	N	15	2.8	18	Y	RD		Y	
1506	4716288	26	2	1	1	0	34	6	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	2.7	17				Y	
1507	4767231	27	1	0	0	0	35	5	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	16	2.4	16				Y	
1508	4700155	24	2	1	1	0	36	3	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	20	2.8	18				Y	
1509	3732506	25	3	2	2	0	37	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	19	2.2	17	Y	LBW		Y	
1510	4723976	26	2	1	1	0	34	3	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	20	2.1	16				Y	
1511	4892927	23	1	0	0	0	35	4	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	2.9	17				Y	
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1513	4902972	24	2	1	1	0	34	5	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	15	2.2	16	Y	LBW		Y	
1514	4804136	25	1	0	0	0	29	4	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	15	2.8	17				Y	
1515	4901628	23	1	0	0	0	36	2	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N		2.8					N	Y
1516	4852593	24	3	2	2	0	37	1	N	N	N	N	N	Y	N	9	B	P	N	N	N	N	N	N	N	N		2.4					N	Y
1517	4889119	24	4	3	3	0	34	6	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	13	2.8	18				Y	
1518	890232	23	2	1	1	0	35	5	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	15	3.1	19	Y	RD		Y	
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1520	893771	21	2	1	1	0	33	3	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N								
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1523	4906244	20	4	3	3	0	37	1	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	16	2.7	13				Y	
1524	891201	24	1	0	0	0	37	1	N	N	N	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2.4	16				Y	

1525	4857274	24	1	0	0	0	38	1	N	N	N	N	N	N	N	8	A	P	N	N	N	N	N	N	N	N	16	2.7	14	Y	LBW		Y	
1526	890893	24	2	1	1	0	39	1	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.4	17				Y	
1527	4673247	23	4	2	2	0	34	2	N	N	Y	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	16	2.6	18				Y	
1528	4778611	22	4	3	3	0	39	2	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	14	2.3	17				Y	
1529	4775797	21	3	2	2	0	34	3	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	16	2.2	18	Y	RD		Y	
1530	4735666	21	4	2	2	0	33	3	N	N	Y	N	N	N	N	9	B	P	N	N	N	N	N	N	N	N	16	2.7	18	Y	LBW		Y	
1531	4697704	23	3	2	2	0	34	3	N	N	N	N	N	N	N	10	O	P	N	N	N	N	N	N	N	N	15	2.7	22	Y	J	Y	Y	
1532	4697576	24	5	2	2	0	39	2	N	N	Y	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N	16	2.8	17	Y	J	Y	Y	
1533	4813847	25	1	0	0	0	34	2	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.2	18	Y	J	Y	Y	
1534	4727544	25	1	0	0	0	35	3	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	13	2.3	21				Y	
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1539	8089051	26	2	1	1	0	36	3	N	N	N	N	N	N	N	10	B	P	N	N	N	N	N	N	N	N		2.5					N	Y
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1555	4798598	25	3	1	1	0	35	6	N	N	Y	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	16	2.7	19				Y	
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1559	4715615	25	2	0	0	0	36	6	N	Y	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	15	3	21	Y	J	Y	Y	
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1579	4802210	24	3	2	2	0	38	4	N	N	N	N	N	N	N	10	A	P	N	N	N	N	N	N	N	N	16	3	19				Y	
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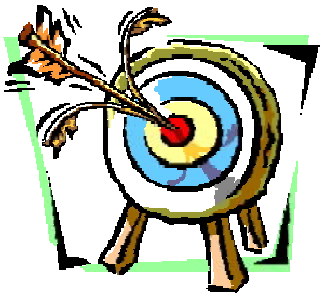
1595	3718145	39	3	2	2	0	30	3	N	N	N	N	N	N	N	9	O	P	N	N	N	N	N	N	N	N	15	2.8	20				Y	
1596	4689702	20	2	1	1	0	30	3	N	N	N	N	N	N	N	8	O	P	N	N	N	N	N	N	N	N	13	2.7	21				Y	
1597	4647278	40	1	0	0	0	31	2	N	N	N	N	N	N	N	9	A	P	N	N	N	N	N	N	N	N	13	2.8	22	Y	RD		Y	

ANNEXURE V – KEY TO MASTER CHART

Y	:	Yes
N	:	No
GA	:	Gestational Age
P	:	Positive
N	:	Negative
Hb	:	Hemoglobin
Kg	:	Kilogram
LBW	:	Low Birth Weight
FD	:	Fetal Distress
CA	:	Congenital Anomly
J	:	Jaundice

Introduction



Objectives

Review of Literature

Methodology

Results

Discussion

Conclusion

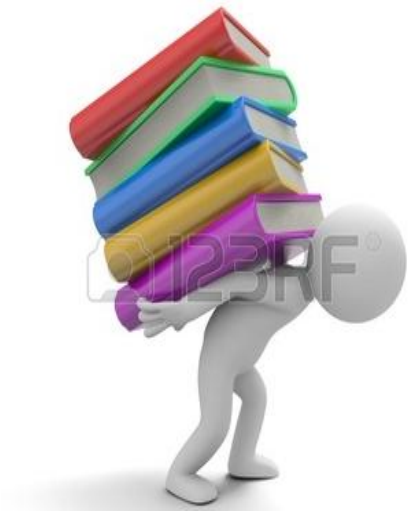
Summary

Bibliography

Annexure-I

Annexure-II

Annexure-III



Annexure-IV