**Milestone 4: White Paper Report**

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DSC680 Applied Data Science

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**Business Problem:**

The business problem we are looking to solve with this research is creating a model that would predict the diagnosis of heart disease in patients. This would be aimed to benefit those in the medical field in order to enhance public health. If this model is able to operate with high accuracy our physicians would be able to improve a patients quality of life with early intervention.

**Background/History:**

According to the *Centers for Disease Control and Prevention* heart disease is the leading cause of death in the United States since the 1950s. Although heart disease cannot be cured, lifestyle changes and medication can make a world of a difference to prolong your lifespan as well as prevent life threatening events such as heart attacks or heart failure from taking place. A few known risk factors associated to heart disease include but are not limited to high blood pressure, high cholesterol, smoking, diabetes, etc. This model is intended to take these various factors and be able to predict it’s presence so early treatment is possible.

**Data Explanation (Data Prep/Data Dictionary/etc.):**

My data set has been gathered from Kaggle.com and provides information on chest pain type, blood pressure, cholesterol levels, as well as 11 other characteristics from 270 individuals who have and have not been diagnosed with heart disease. In order to prepare this data for modeling I began with checking for any missing values. Luckily, there were no missing values within this dataset, so we were able to move on removing the unnecessary *patient number* column to ensure we only have relevant data included in our research. All other columns include key information that would be beneficial to identifying heart disease. From here I converted my heart disease column to the integers 0 or 1. Zero represents the absence of the disease meanwhile the number one represents the presence. The final step in preparing this data for research was splitting our data frame in two by having our x dataset containing all data besides the heart disease column and the y dataset only containing the heart disease column. From there x and y were split into a training and test set.

**Methods:**

The method that I have chosen to perform this analysis is logistic regression. I have found this to be the best model to work with for this research because we are looking to predict categorical information rather than continuous. The two categories are going to be represented by the values 0 (not present) or 1 (present). This model is a reliable form of analysis to help us predict and categorize the given characteristics.

**Analysis:**

To begin, exploratory data analysis was performed through illustrations to get a sense of the data and any underlying trends. Some of the findings from this analysis made obvious that men were more likely to develop the illness. Chest pain, thallium, and cholesterol also appeared to be good indicators of heart disease. Surprisingly, blood pressure had no obvious trends revealed during this analysis. Some visualizations and further insights regarding them have been included below.

A graph of blue dots

Description automatically generated

We can see in this graph that the majority of all heart disease patients are 40 years of age or above. From this visualization we can predict that heart disease is an illness that develops over time.

A graph of a person with heart disease

Description automatically generated

The following graph shows us that heart disease patients generally experience higher chest pains as opposed to those without the disease.

A graph of blood pressure

Description automatically generated

This chart shows us that blood pressue slightly differs from those with and without heart disease, however, it is not an obvious distinction.

A graph of people with heart disease

Description automatically generated

This chart for Thallium however shows us that heart disease patients generally have a higher Thallium level than those without.

A graph with blue squares

Description automatically generated

This final graph is quite clear in revealing to us that heart disease is far more prevalent in men than women.

Once the data has been prepped the x and y training set was fit to the logistic regression model with a maximum iteration of 1000. From there we created a test prediction using the x test set. After the model had run, I utilized a classification report as the evaluation metric.

The notable values starting with precision tell us the predicted percentage of positive instances that we correctly categorized the presence of heart disease. Those predicted values resulted in 91% of people without heart disease was correct and 95% with predicting those with the illness. The F1 score however measures the amount of actual positive instances the classifier was correct. These values differed slightly from the predicted values with 94% of instances correctly classifying those without heart disease and 90% percent of instances where people with heart disease was correctly categorized. The overall accuracy score of our model across all instances is 93%. Based on these scores, while not at a hundred percent does prove our model to be quite reliable.

**Conclusion:**

In conclusion I feel as though this model is a great base to start and build upon in order to have it implemented in health care systems. Based on our results we are able to credit our model for an adequate accuracy rating when it comes to the prediction of heart disease. This is not to say this model is ready to be launched in its current state. Especially when dealing with the topic of people’s health improvements and tests should be performed to ensure accuracy is high and we are not putting any unnecessary panic onto the public. I believe this model is perfect to be built upon into a very intuitive and in-depth tool that would help patients and doctors tremendously when fighting the battle with heart disease.

**Assumptions:**

With this model we are assuming that the outcome of this regression is binary. Meaning that this model only evaluates whether or not a person has heart disease at the time the data was collected. This model does not predict the person’s medical diagnoses in the future.

**Limitations:**

A limitation to this current model as it stands is the clear distinction between an absence or presence of the disease. If we were able to expand upon this model to include results such as not currently present but high risk for developing the disease in the future, this would be a tremendous help in fostering prevention.

**Challenges:**

A challenge of this research is determining a sufficient accuracy percentage. As a baseline anything over 90% is considered good measure for the reliability of a model. However, with the information we are dealing with we need to ensure the results are as accurate as they can be when diagnosing potentially life-threatening illnesses. At the same time, we also need to be wary of an accuracy percentage of 100%. This could indicate that model has been over fit, and we need to reevaluate our metrics.

**Future Uses/Additional Assumptions:**

I see this model being used in hospitals as one of many tests that diagnose heart disease. Similar to when physicians obtain a blood or urine sample, they often times run additional testing on it to see if there is anything underlying taking place. The same could be done with this heart disease model. If the information is available heart disease testing could be done to catch it before something catastrophic happens or this model could be built upon to detect whether or not someone is at high risk for developing the illness to encourage prevention.

**Recommendations:**

In the future I would suggest improving upon this model through a larger selection of data. While a good score was achieved through this analysis, in the grand scheme of all the people who have developed heart disease 270 individuals is quite a small sample size. Especially considering the fact that not all of those individuals actually have heart disease. To ensure accuracy I believe working with a larger set of data will help inform us on whether or not we have the right characteristics when it comes to evaluating this illness. If the results come back to be less reliable than we would need to evaluate the different characteristics for our model.

**Implementation plan:**

After a series of proper testing this model would be implemented in hospitals. This would operate under the myriads of other tests physicians use when they suspect something is unusual or potentially life threatening with a patient. Some lab results take weeks to hear back from, however having this test readily available in their arsenal will aid in early intervention to prevent their illness from advancing at an accelerated rate. Since this model is solely based on certain consistent characteristics this would likely be used in conjunction with other tests that physicians use to diagnose patients with heart disease such as blood tests, electrocardiograms, CT and MRI scans, etc.

**Ethical Assessment:**

Before implementing this model to widespread usage, we need to ensure the accuracy of this model has been tested time and time again because there are many ethical implications that can surface from this research. The reason for this being when you are giving someone potentially life altering news about themselves or a loved one that is not ever something to take lightly. If the model turns out to be wrong people may decide to make rash decisions with their newly diagnosed illness as the driving force. This could include preparing themselves and their belongings for the end when in reality that time may not even be relatively close. Another implication that may occur is we may cause a person so much unnecessary stress from a misdiagnosis that their stress levels contribute to other health issues or even heart disease itself. For these reasons we need to make sure our model is as accurate as can be, in addition to not using this model as a short cut but rather a supplement to the physician’s process.

**Ten Questions:**

1. Would this model replace other tests for heart disease?
   * This model is not intended to replace other tests for heart disease. Rather this model is meant to be used as a supplemental in-house test that can be done immediately to determine whether further testing is required.
2. How soon would this model be rolled out?
   * Since this test is intertwined with people’s health, we would not want this rolled out before all the necessary testing has been completed. With that being said the current rollout of this model is not available at this time. Only one round of testing has been performed with one set of data. I believe the model should be tested against larger datasets with other heart disease patients.
3. Does this take their past medical history into account?
   * This model does not currently take the extended medical history of a patient into account. Only the data of the 14 categories at the time the data was collected is included.
4. Is family medical history included?
   * Family medical history is not included in this current model.
5. Will this model predict whether or not they will have heart disease in the future?
   * This model does not predict if the patient will ever have heart disease in the future, it only assesses the diagnosis of the patient at the time the data was collected.
6. Does this model provide a simple yes or no? Or is there a spectrum?
   * The current model only provides a simple yes and no. However, further testing of this model could expand upon this.
7. What advancements can be made to improve the model?
   * I would like to improve this model to include whether or not they would be at high risk of contracting the disease if they do not currently have it in order to aid in early intervention.
8. How can we trust the results of this model?
   * We utilize evaluation metrics to determine the accuracy and credibility of the model. This model also takes a dataset where the diagnosis of the patients is already known and splits them into a training and test set. The training dataset helps the model accurately evaluate the test set.
9. Will this be available on public domains so people can enter their information from home?
   * This is certainly an option however, I would like to keep this model in the hands of medical professionals to prevent panic from the public and adding to the google frenzies people can find themselves in when suspecting something might be wrong.
10. Why do we need this when we can just do a blood test?
    * The biggest advantage of this testing is that it would be able to be performed in house. Some people are very uncomfortable with getting their blood pulled and the lab results from that generally take a week to get back. Having this model as an aid will help determine if more invasive tests are necessary in the first place.

**References:**

Kapoor, Prakhar. “Cardio Health Risk Assessment Dataset.” *Kaggle*, 30 May 2024, [www.kaggle.com/datasets/kapoorprakhar/cardio-health-risk-assessment-dataset](http://www.kaggle.com/datasets/kapoorprakhar/cardio-health-risk-assessment-dataset).

“Heart Disease Deaths - Health, United States.” *Centers for Disease Control and Prevention*, Centers for Disease Control and Prevention, 26 June 2023, www.cdc.gov/nchs/hus/topics/heart-disease-deaths.htm#:~:text=Heart%20disease%20has%20been%20the,States%20since%201950%20(1).

“Preventing Heart Disease.” *Centers for Disease Control and Prevention*, Centers for Disease Control and Prevention, www.cdc.gov/heart-disease/prevention/index.html#:~:text=By%20living%20a%20healthy%20lifestyle,heart%20disease%20and%20heart%20attack. Accessed 22 June 2024.

professional, Cleveland Clinic medical. “The Many Types of Heart Disease.” *Cleveland Clinic*, my.clevelandclinic.org/health/diseases/24129-heart-disease. Accessed 22 June 2024.

**Appendix:**

The following includes the original dataset used for the research.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Patient | Age | Sex | Chest pain type | BP | Cholesterol | FBS over 120 | EKG results | Max HR | Exercise angina | ST depression | Slope of ST | Number of vessels fluro | Thallium | Heart Disease |
| 1 | 70 | 1 | 4 | 130 | 322 | 0 | 2 | 109 | 0 | 2.4 | 2 | 3 | 3 | Presence |
| 2 | 80 | 0 | 3 | 115 | 564 | 0 | 2 | 160 | 0 | 1.6 | 2 | 0 | 7 | Absence |
| 3 | 55 | 1 | 2 | 124 | 261 | 0 | 0 | 141 | 0 | 0.3 | 1 | 0 | 7 | Presence |
| 4 | 65 | 1 | 4 | 128 | 263 | 0 | 0 | 105 | 1 | 0.2 | 2 | 1 | 7 | Absence |
| 5 | 45 | 0 | 2 | 120 | 269 | 0 | 2 | 121 | 1 | 0.2 | 1 | 1 | 3 | Absence |
| 6 | 30 | 1 | 4 | 120 | 177 | 0 | 0 | 140 | 0 | 0.4 | 1 | 0 | 7 | Absence |
| 7 | 45 | 1 | 3 | 130 | 256 | 1 | 2 | 142 | 1 | 0.6 | 2 | 1 | 6 | Presence |
| 8 | 59 | 1 | 4 | 110 | 239 | 0 | 2 | 142 | 1 | 1.2 | 2 | 1 | 7 | Presence |
| 9 | 60 | 1 | 4 | 140 | 293 | 0 | 2 | 170 | 0 | 1.2 | 2 | 2 | 7 | Presence |
| 10 | 63 | 0 | 4 | 150 | 407 | 0 | 2 | 154 | 0 | 4 | 2 | 3 | 7 | Presence |
| 11 | 65 | 1 | 4 | 135 | 234 | 0 | 0 | 161 | 0 | 0.5 | 2 | 0 | 7 | Absence |
| 12 | 53 | 1 | 4 | 142 | 226 | 0 | 2 | 111 | 1 | 0 | 1 | 0 | 7 | Absence |
| 13 | 44 | 1 | 3 | 140 | 235 | 0 | 2 | 180 | 0 | 0 | 1 | 0 | 3 | Absence |
| 14 | 57 | 1 | 1 | 134 | 234 | 0 | 0 | 145 | 0 | 2.6 | 2 | 2 | 3 | Presence |
| 15 | 57 | 0 | 4 | 128 | 303 | 0 | 2 | 159 | 0 | 0 | 1 | 1 | 3 | Absence |
| 16 | 46 | 0 | 4 | 112 | 149 | 0 | 0 | 125 | 0 | 1.6 | 2 | 0 | 3 | Absence |
| 17 | 46 | 1 | 4 | 140 | 311 | 0 | 0 | 120 | 1 | 1.8 | 2 | 2 | 7 | Presence |
| 18 | 53 | 1 | 4 | 140 | 203 | 1 | 2 | 155 | 1 | 3.1 | 3 | 0 | 7 | Presence |
| 19 | 64 | 1 | 1 | 110 | 211 | 0 | 2 | 144 | 1 | 1.8 | 2 | 0 | 3 | Absence |
| 20 | 40 | 1 | 1 | 140 | 199 | 0 | 0 | 178 | 1 | 1.4 | 1 | 0 | 7 | Absence |
| 21 | 67 | 1 | 4 | 120 | 229 | 0 | 2 | 129 | 1 | 2.6 | 2 | 2 | 7 | Presence |
| 22 | 48 | 1 | 2 | 130 | 245 | 0 | 2 | 180 | 0 | 0.2 | 2 | 0 | 3 | Absence |
| 23 | 43 | 1 | 4 | 115 | 303 | 0 | 0 | 181 | 0 | 1.2 | 2 | 0 | 3 | Absence |
| 24 | 47 | 1 | 4 | 112 | 204 | 0 | 0 | 143 | 0 | 0.1 | 1 | 0 | 3 | Absence |
| 25 | 54 | 0 | 2 | 132 | 288 | 1 | 2 | 159 | 1 | 0 | 1 | 1 | 3 | Absence |
| 26 | 48 | 0 | 3 | 130 | 275 | 0 | 0 | 139 | 0 | 0.2 | 1 | 0 | 3 | Absence |
| 27 | 46 | 0 | 4 | 138 | 243 | 0 | 2 | 152 | 1 | 0 | 2 | 0 | 3 | Absence |
| 28 | 51 | 0 | 3 | 120 | 295 | 0 | 2 | 157 | 0 | 0.6 | 1 | 0 | 3 | Absence |
| 29 | 58 | 1 | 3 | 112 | 230 | 0 | 2 | 165 | 0 | 2.5 | 2 | 1 | 7 | Presence |
| 30 | 71 | 0 | 3 | 110 | 265 | 1 | 2 | 130 | 0 | 0 | 1 | 1 | 3 | Absence |
| 31 | 57 | 1 | 3 | 128 | 229 | 0 | 2 | 150 | 0 | 0.4 | 2 | 1 | 7 | Presence |
| 32 | 66 | 1 | 4 | 160 | 228 | 0 | 2 | 138 | 0 | 2.3 | 1 | 0 | 6 | Absence |
| 33 | 37 | 0 | 3 | 120 | 215 | 0 | 0 | 170 | 0 | 0 | 1 | 0 | 3 | Absence |
| 34 | 59 | 1 | 4 | 170 | 326 | 0 | 2 | 140 | 1 | 3.4 | 3 | 0 | 7 | Presence |
| 35 | 50 | 1 | 4 | 144 | 200 | 0 | 2 | 126 | 1 | 0.9 | 2 | 0 | 7 | Presence |
| 36 | 48 | 1 | 4 | 130 | 256 | 1 | 2 | 150 | 1 | 0 | 1 | 2 | 7 | Presence |
| 37 | 61 | 1 | 4 | 140 | 207 | 0 | 2 | 138 | 1 | 1.9 | 1 | 1 | 7 | Presence |
| 38 | 59 | 1 | 1 | 160 | 273 | 0 | 2 | 125 | 0 | 0 | 1 | 0 | 3 | Presence |
| 39 | 42 | 1 | 3 | 130 | 180 | 0 | 0 | 150 | 0 | 0 | 1 | 0 | 3 | Absence |
| 40 | 48 | 1 | 4 | 122 | 222 | 0 | 2 | 186 | 0 | 0 | 1 | 0 | 3 | Absence |
| 41 | 40 | 1 | 4 | 152 | 223 | 0 | 0 | 181 | 0 | 0 | 1 | 0 | 7 | Presence |
| 42 | 62 | 0 | 4 | 124 | 209 | 0 | 0 | 163 | 0 | 0 | 1 | 0 | 3 | Absence |
| 43 | 44 | 1 | 3 | 130 | 233 | 0 | 0 | 179 | 1 | 0.4 | 1 | 0 | 3 | Absence |
| 44 | 46 | 1 | 2 | 101 | 197 | 1 | 0 | 156 | 0 | 0 | 1 | 0 | 7 | Absence |
| 45 | 59 | 1 | 3 | 126 | 218 | 1 | 0 | 134 | 0 | 2.2 | 2 | 1 | 6 | Presence |
| 46 | 58 | 1 | 3 | 140 | 211 | 1 | 2 | 165 | 0 | 0 | 1 | 0 | 3 | Absence |
| 47 | 49 | 1 | 3 | 118 | 149 | 0 | 2 | 126 | 0 | 0.8 | 1 | 3 | 3 | Presence |
| 48 | 44 | 1 | 4 | 110 | 197 | 0 | 2 | 177 | 0 | 0 | 1 | 1 | 3 | Presence |
| 49 | 66 | 1 | 2 | 160 | 246 | 0 | 0 | 120 | 1 | 0 | 2 | 3 | 6 | Presence |
| 50 | 65 | 0 | 4 | 150 | 225 | 0 | 2 | 114 | 0 | 1 | 2 | 3 | 7 | Presence |
| 51 | 42 | 1 | 4 | 136 | 315 | 0 | 0 | 125 | 1 | 1.8 | 2 | 0 | 6 | Presence |
| 52 | 52 | 1 | 2 | 128 | 205 | 1 | 0 | 184 | 0 | 0 | 1 | 0 | 3 | Absence |
| 53 | 65 | 0 | 3 | 140 | 417 | 1 | 2 | 157 | 0 | 0.8 | 1 | 1 | 3 | Absence |
| 54 | 63 | 0 | 2 | 140 | 195 | 0 | 0 | 179 | 0 | 0 | 1 | 2 | 3 | Absence |
| 55 | 45 | 0 | 2 | 130 | 234 | 0 | 2 | 175 | 0 | 0.6 | 2 | 0 | 3 | Absence |
| 56 | 41 | 0 | 2 | 105 | 198 | 0 | 0 | 168 | 0 | 0 | 1 | 1 | 3 | Absence |
| 57 | 61 | 1 | 4 | 138 | 166 | 0 | 2 | 125 | 1 | 3.6 | 2 | 1 | 3 | Presence |
| 58 | 60 | 0 | 3 | 120 | 178 | 1 | 0 | 96 | 0 | 0 | 1 | 0 | 3 | Absence |
| 59 | 59 | 0 | 4 | 174 | 249 | 0 | 0 | 143 | 1 | 0 | 2 | 0 | 3 | Presence |
| 60 | 62 | 1 | 2 | 120 | 281 | 0 | 2 | 103 | 0 | 1.4 | 2 | 1 | 7 | Presence |
| 61 | 57 | 1 | 3 | 150 | 126 | 1 | 0 | 173 | 0 | 0.2 | 1 | 1 | 7 | Absence |
| 62 | 51 | 0 | 4 | 130 | 305 | 0 | 0 | 142 | 1 | 1.2 | 2 | 0 | 7 | Presence |
| 63 | 44 | 1 | 3 | 120 | 226 | 0 | 0 | 169 | 0 | 0 | 1 | 0 | 3 | Absence |
| 64 | 60 | 0 | 1 | 150 | 240 | 0 | 0 | 171 | 0 | 0.9 | 1 | 0 | 3 | Absence |
| 65 | 63 | 1 | 1 | 145 | 233 | 1 | 2 | 150 | 0 | 2.3 | 3 | 0 | 6 | Absence |
| 66 | 57 | 1 | 4 | 150 | 276 | 0 | 2 | 112 | 1 | 0.6 | 2 | 1 | 6 | Presence |
| 67 | 51 | 1 | 4 | 140 | 261 | 0 | 2 | 186 | 1 | 0 | 1 | 0 | 3 | Absence |
| 68 | 58 | 0 | 2 | 136 | 319 | 1 | 2 | 152 | 0 | 0 | 1 | 2 | 3 | Presence |
| 69 | 44 | 0 | 3 | 118 | 242 | 0 | 0 | 149 | 0 | 0.3 | 2 | 1 | 3 | Absence |
| 70 | 47 | 1 | 3 | 108 | 243 | 0 | 0 | 152 | 0 | 0 | 1 | 0 | 3 | Presence |
| 71 | 61 | 1 | 4 | 120 | 260 | 0 | 0 | 140 | 1 | 3.6 | 2 | 1 | 7 | Presence |
| 72 | 57 | 0 | 4 | 120 | 354 | 0 | 0 | 163 | 1 | 0.6 | 1 | 0 | 3 | Absence |
| 73 | 70 | 1 | 2 | 156 | 245 | 0 | 2 | 143 | 0 | 0 | 1 | 0 | 3 | Absence |
| 74 | 76 | 0 | 3 | 140 | 197 | 0 | 1 | 116 | 0 | 1.1 | 2 | 0 | 3 | Absence |
| 75 | 67 | 0 | 4 | 106 | 223 | 0 | 0 | 142 | 0 | 0.3 | 1 | 2 | 3 | Absence |
| 76 | 45 | 1 | 4 | 142 | 309 | 0 | 2 | 147 | 1 | 0 | 2 | 3 | 7 | Presence |
| 77 | 45 | 1 | 4 | 104 | 208 | 0 | 2 | 148 | 1 | 3 | 2 | 0 | 3 | Absence |
| 78 | 39 | 0 | 3 | 94 | 199 | 0 | 0 | 179 | 0 | 0 | 1 | 0 | 3 | Absence |
| 79 | 42 | 0 | 3 | 120 | 209 | 0 | 0 | 173 | 0 | 0 | 2 | 0 | 3 | Absence |
| 80 | 56 | 1 | 2 | 120 | 236 | 0 | 0 | 178 | 0 | 0.8 | 1 | 0 | 3 | Absence |
| 81 | 58 | 1 | 4 | 146 | 218 | 0 | 0 | 105 | 0 | 2 | 2 | 1 | 7 | Presence |
| 82 | 35 | 1 | 4 | 120 | 198 | 0 | 0 | 130 | 1 | 1.6 | 2 | 0 | 7 | Presence |
| 83 | 58 | 1 | 4 | 150 | 270 | 0 | 2 | 111 | 1 | 0.8 | 1 | 0 | 7 | Presence |
| 84 | 41 | 1 | 3 | 130 | 214 | 0 | 2 | 168 | 0 | 2 | 2 | 0 | 3 | Absence |
| 85 | 57 | 1 | 4 | 110 | 201 | 0 | 0 | 126 | 1 | 1.5 | 2 | 0 | 6 | Absence |
| 86 | 42 | 1 | 1 | 148 | 244 | 0 | 2 | 178 | 0 | 0.8 | 1 | 2 | 3 | Absence |
| 87 | 62 | 1 | 2 | 128 | 208 | 1 | 2 | 140 | 0 | 0 | 1 | 0 | 3 | Absence |
| 88 | 59 | 1 | 1 | 178 | 270 | 0 | 2 | 145 | 0 | 4.2 | 3 | 0 | 7 | Absence |
| 89 | 41 | 0 | 2 | 126 | 306 | 0 | 0 | 163 | 0 | 0 | 1 | 0 | 3 | Absence |
| 90 | 50 | 1 | 4 | 150 | 243 | 0 | 2 | 128 | 0 | 2.6 | 2 | 0 | 7 | Presence |
| 91 | 59 | 1 | 2 | 140 | 221 | 0 | 0 | 164 | 1 | 0 | 1 | 0 | 3 | Absence |
| 92 | 61 | 0 | 4 | 130 | 330 | 0 | 2 | 169 | 0 | 0 | 1 | 0 | 3 | Presence |
| 93 | 54 | 1 | 4 | 124 | 266 | 0 | 2 | 109 | 1 | 2.2 | 2 | 1 | 7 | Presence |
| 94 | 54 | 1 | 4 | 110 | 206 | 0 | 2 | 108 | 1 | 0 | 2 | 1 | 3 | Presence |
| 95 | 52 | 1 | 4 | 125 | 212 | 0 | 0 | 168 | 0 | 1 | 1 | 2 | 7 | Presence |
| 96 | 47 | 1 | 4 | 110 | 275 | 0 | 2 | 118 | 1 | 1 | 2 | 1 | 3 | Presence |
| 97 | 66 | 1 | 4 | 120 | 302 | 0 | 2 | 151 | 0 | 0.4 | 2 | 0 | 3 | Absence |
| 98 | 58 | 1 | 4 | 100 | 234 | 0 | 0 | 156 | 0 | 0.1 | 1 | 1 | 7 | Presence |
| 99 | 64 | 0 | 3 | 140 | 313 | 0 | 0 | 133 | 0 | 0.2 | 1 | 0 | 7 | Absence |
| 100 | 50 | 0 | 2 | 120 | 244 | 0 | 0 | 162 | 0 | 1.1 | 1 | 0 | 3 | Absence |
| 101 | 44 | 0 | 3 | 108 | 141 | 0 | 0 | 175 | 0 | 0.6 | 2 | 0 | 3 | Absence |
| 102 | 57 | 1 | 4 | 120 | 237 | 0 | 0 | 71 | 0 | 1 | 2 | 0 | 3 | Presence |
| 103 | 49 | 0 | 4 | 130 | 269 | 0 | 0 | 163 | 0 | 0 | 1 | 0 | 3 | Absence |
| 104 | 57 | 1 | 4 | 165 | 289 | 1 | 2 | 124 | 0 | 1 | 2 | 3 | 7 | Presence |
| 105 | 63 | 1 | 4 | 130 | 254 | 0 | 2 | 147 | 0 | 1.4 | 2 | 1 | 7 | Presence |
| 106 | 48 | 1 | 4 | 124 | 274 | 0 | 2 | 166 | 0 | 0.5 | 2 | 0 | 7 | Presence |
| 107 | 51 | 1 | 3 | 100 | 222 | 0 | 0 | 143 | 1 | 1.2 | 2 | 0 | 3 | Absence |
| 108 | 60 | 0 | 4 | 150 | 258 | 0 | 2 | 157 | 0 | 2.6 | 2 | 2 | 7 | Presence |
| 109 | 59 | 1 | 4 | 140 | 177 | 0 | 0 | 162 | 1 | 0 | 1 | 1 | 7 | Presence |
| 110 | 45 | 0 | 2 | 112 | 160 | 0 | 0 | 138 | 0 | 0 | 2 | 0 | 3 | Absence |
| 111 | 55 | 0 | 4 | 180 | 327 | 0 | 1 | 117 | 1 | 3.4 | 2 | 0 | 3 | Presence |
| 112 | 41 | 1 | 2 | 110 | 235 | 0 | 0 | 153 | 0 | 0 | 1 | 0 | 3 | Absence |
| 113 | 60 | 0 | 4 | 158 | 305 | 0 | 2 | 161 | 0 | 0 | 1 | 0 | 3 | Presence |
| 114 | 54 | 0 | 3 | 135 | 304 | 1 | 0 | 170 | 0 | 0 | 1 | 0 | 3 | Absence |
| 115 | 42 | 1 | 2 | 120 | 295 | 0 | 0 | 162 | 0 | 0 | 1 | 0 | 3 | Absence |
| 116 | 49 | 0 | 2 | 134 | 271 | 0 | 0 | 162 | 0 | 0 | 2 | 0 | 3 | Absence |
| 117 | 46 | 1 | 4 | 120 | 249 | 0 | 2 | 144 | 0 | 0.8 | 1 | 0 | 7 | Presence |
| 118 | 56 | 0 | 4 | 200 | 288 | 1 | 2 | 133 | 1 | 4 | 3 | 2 | 7 | Presence |
| 119 | 66 | 0 | 1 | 150 | 226 | 0 | 0 | 114 | 0 | 2.6 | 3 | 0 | 3 | Absence |
| 120 | 56 | 1 | 4 | 130 | 283 | 1 | 2 | 103 | 1 | 1.6 | 3 | 0 | 7 | Presence |
| 121 | 49 | 1 | 3 | 120 | 188 | 0 | 0 | 139 | 0 | 2 | 2 | 3 | 7 | Presence |
| 122 | 54 | 1 | 4 | 122 | 286 | 0 | 2 | 116 | 1 | 3.2 | 2 | 2 | 3 | Presence |
| 123 | 57 | 1 | 4 | 152 | 274 | 0 | 0 | 88 | 1 | 1.2 | 2 | 1 | 7 | Presence |
| 124 | 65 | 0 | 3 | 160 | 360 | 0 | 2 | 151 | 0 | 0.8 | 1 | 0 | 3 | Absence |
| 125 | 54 | 1 | 3 | 125 | 273 | 0 | 2 | 152 | 0 | 0.5 | 3 | 1 | 3 | Absence |
| 126 | 54 | 0 | 3 | 160 | 201 | 0 | 0 | 163 | 0 | 0 | 1 | 1 | 3 | Absence |
| 127 | 62 | 1 | 4 | 120 | 267 | 0 | 0 | 99 | 1 | 1.8 | 2 | 2 | 7 | Presence |
| 128 | 52 | 0 | 3 | 136 | 196 | 0 | 2 | 169 | 0 | 0.1 | 2 | 0 | 3 | Absence |
| 129 | 52 | 1 | 2 | 134 | 201 | 0 | 0 | 158 | 0 | 0.8 | 1 | 1 | 3 | Absence |
| 130 | 60 | 1 | 4 | 117 | 230 | 1 | 0 | 160 | 1 | 1.4 | 1 | 2 | 7 | Presence |
| 131 | 63 | 0 | 4 | 108 | 269 | 0 | 0 | 169 | 1 | 1.8 | 2 | 2 | 3 | Presence |
| 132 | 66 | 1 | 4 | 112 | 212 | 0 | 2 | 132 | 1 | 0.1 | 1 | 1 | 3 | Presence |
| 133 | 42 | 1 | 4 | 140 | 226 | 0 | 0 | 178 | 0 | 0 | 1 | 0 | 3 | Absence |
| 134 | 64 | 1 | 4 | 120 | 246 | 0 | 2 | 96 | 1 | 2.2 | 3 | 1 | 3 | Presence |
| 135 | 54 | 1 | 3 | 150 | 232 | 0 | 2 | 165 | 0 | 1.6 | 1 | 0 | 7 | Absence |
| 136 | 46 | 0 | 3 | 142 | 177 | 0 | 2 | 160 | 1 | 1.4 | 3 | 0 | 3 | Absence |
| 137 | 67 | 0 | 3 | 152 | 277 | 0 | 0 | 172 | 0 | 0 | 1 | 1 | 3 | Absence |
| 138 | 56 | 1 | 4 | 125 | 249 | 1 | 2 | 144 | 1 | 1.2 | 2 | 1 | 3 | Presence |
| 139 | 34 | 0 | 2 | 118 | 210 | 0 | 0 | 192 | 0 | 0.7 | 1 | 0 | 3 | Absence |
| 140 | 57 | 1 | 4 | 132 | 207 | 0 | 0 | 168 | 1 | 0 | 1 | 0 | 7 | Absence |
| 141 | 64 | 1 | 4 | 145 | 212 | 0 | 2 | 132 | 0 | 2 | 2 | 2 | 6 | Presence |
| 142 | 59 | 1 | 4 | 138 | 271 | 0 | 2 | 182 | 0 | 0 | 1 | 0 | 3 | Absence |
| 143 | 50 | 1 | 3 | 140 | 233 | 0 | 0 | 163 | 0 | 0.6 | 2 | 1 | 7 | Presence |
| 144 | 51 | 1 | 1 | 125 | 213 | 0 | 2 | 125 | 1 | 1.4 | 1 | 1 | 3 | Absence |
| 145 | 54 | 1 | 2 | 192 | 283 | 0 | 2 | 195 | 0 | 0 | 1 | 1 | 7 | Presence |
| 146 | 53 | 1 | 4 | 123 | 282 | 0 | 0 | 95 | 1 | 2 | 2 | 2 | 7 | Presence |
| 147 | 52 | 1 | 4 | 112 | 230 | 0 | 0 | 160 | 0 | 0 | 1 | 1 | 3 | Presence |
| 148 | 40 | 1 | 4 | 110 | 167 | 0 | 2 | 114 | 1 | 2 | 2 | 0 | 7 | Presence |
| 149 | 58 | 1 | 3 | 132 | 224 | 0 | 2 | 173 | 0 | 3.2 | 1 | 2 | 7 | Presence |
| 150 | 41 | 0 | 3 | 112 | 268 | 0 | 2 | 172 | 1 | 0 | 1 | 0 | 3 | Absence |
| 151 | 41 | 1 | 3 | 112 | 250 | 0 | 0 | 179 | 0 | 0 | 1 | 0 | 3 | Absence |
| 152 | 50 | 0 | 3 | 120 | 219 | 0 | 0 | 158 | 0 | 1.6 | 2 | 0 | 3 | Absence |
| 153 | 54 | 0 | 3 | 108 | 267 | 0 | 2 | 167 | 0 | 0 | 1 | 0 | 3 | Absence |
| 154 | 64 | 0 | 4 | 130 | 303 | 0 | 0 | 122 | 0 | 2 | 2 | 2 | 3 | Absence |
| 155 | 51 | 0 | 3 | 130 | 256 | 0 | 2 | 149 | 0 | 0.5 | 1 | 0 | 3 | Absence |
| 156 | 46 | 0 | 2 | 105 | 204 | 0 | 0 | 172 | 0 | 0 | 1 | 0 | 3 | Absence |
| 157 | 55 | 1 | 4 | 140 | 217 | 0 | 0 | 111 | 1 | 5.6 | 3 | 0 | 7 | Presence |
| 158 | 45 | 1 | 2 | 128 | 308 | 0 | 2 | 170 | 0 | 0 | 1 | 0 | 3 | Absence |
| 159 | 56 | 1 | 1 | 120 | 193 | 0 | 2 | 162 | 0 | 1.9 | 2 | 0 | 7 | Absence |
| 160 | 66 | 0 | 4 | 178 | 228 | 1 | 0 | 165 | 1 | 1 | 2 | 2 | 7 | Presence |
| 161 | 38 | 1 | 1 | 120 | 231 | 0 | 0 | 182 | 1 | 3.8 | 2 | 0 | 7 | Presence |
| 162 | 62 | 0 | 4 | 150 | 244 | 0 | 0 | 154 | 1 | 1.4 | 2 | 0 | 3 | Presence |
| 163 | 55 | 1 | 2 | 130 | 262 | 0 | 0 | 155 | 0 | 0 | 1 | 0 | 3 | Absence |
| 164 | 58 | 1 | 4 | 128 | 259 | 0 | 2 | 130 | 1 | 3 | 2 | 2 | 7 | Presence |
| 165 | 43 | 1 | 4 | 110 | 211 | 0 | 0 | 161 | 0 | 0 | 1 | 0 | 7 | Absence |
| 166 | 64 | 0 | 4 | 180 | 325 | 0 | 0 | 154 | 1 | 0 | 1 | 0 | 3 | Absence |
| 167 | 50 | 0 | 4 | 110 | 254 | 0 | 2 | 159 | 0 | 0 | 1 | 0 | 3 | Absence |
| 168 | 53 | 1 | 3 | 130 | 197 | 1 | 2 | 152 | 0 | 1.2 | 3 | 0 | 3 | Absence |
| 169 | 45 | 0 | 4 | 138 | 236 | 0 | 2 | 152 | 1 | 0.2 | 2 | 0 | 3 | Absence |
| 170 | 65 | 1 | 1 | 138 | 282 | 1 | 2 | 174 | 0 | 1.4 | 2 | 1 | 3 | Presence |
| 171 | 69 | 1 | 1 | 160 | 234 | 1 | 2 | 131 | 0 | 0.1 | 2 | 1 | 3 | Absence |
| 172 | 69 | 1 | 3 | 140 | 254 | 0 | 2 | 146 | 0 | 2 | 2 | 3 | 7 | Presence |
| 173 | 67 | 1 | 4 | 100 | 299 | 0 | 2 | 125 | 1 | 0.9 | 2 | 2 | 3 | Presence |
| 174 | 68 | 0 | 3 | 120 | 211 | 0 | 2 | 115 | 0 | 1.5 | 2 | 0 | 3 | Absence |
| 175 | 34 | 1 | 1 | 118 | 182 | 0 | 2 | 174 | 0 | 0 | 1 | 0 | 3 | Absence |
| 176 | 62 | 0 | 4 | 138 | 294 | 1 | 0 | 106 | 0 | 1.9 | 2 | 3 | 3 | Presence |
| 177 | 51 | 1 | 4 | 140 | 298 | 0 | 0 | 122 | 1 | 4.2 | 2 | 3 | 7 | Presence |
| 178 | 46 | 1 | 3 | 150 | 231 | 0 | 0 | 147 | 0 | 3.6 | 2 | 0 | 3 | Presence |
| 179 | 67 | 1 | 4 | 125 | 254 | 1 | 0 | 163 | 0 | 0.2 | 2 | 2 | 7 | Presence |
| 180 | 50 | 1 | 3 | 129 | 196 | 0 | 0 | 163 | 0 | 0 | 1 | 0 | 3 | Absence |
| 181 | 42 | 1 | 3 | 120 | 240 | 1 | 0 | 194 | 0 | 0.8 | 3 | 0 | 7 | Absence |
| 182 | 56 | 0 | 4 | 134 | 409 | 0 | 2 | 150 | 1 | 1.9 | 2 | 2 | 7 | Presence |
| 183 | 41 | 1 | 4 | 110 | 172 | 0 | 2 | 158 | 0 | 0 | 1 | 0 | 7 | Presence |
| 184 | 42 | 0 | 4 | 102 | 265 | 0 | 2 | 122 | 0 | 0.6 | 2 | 0 | 3 | Absence |
| 185 | 53 | 1 | 3 | 130 | 246 | 1 | 2 | 173 | 0 | 0 | 1 | 3 | 3 | Absence |
| 186 | 43 | 1 | 3 | 130 | 315 | 0 | 0 | 162 | 0 | 1.9 | 1 | 1 | 3 | Absence |
| 187 | 56 | 1 | 4 | 132 | 184 | 0 | 2 | 105 | 1 | 2.1 | 2 | 1 | 6 | Presence |
| 188 | 52 | 1 | 4 | 108 | 233 | 1 | 0 | 147 | 0 | 0.1 | 1 | 3 | 7 | Absence |
| 189 | 62 | 0 | 4 | 140 | 394 | 0 | 2 | 157 | 0 | 1.2 | 2 | 0 | 3 | Absence |
| 190 | 70 | 1 | 3 | 160 | 269 | 0 | 0 | 112 | 1 | 2.9 | 2 | 1 | 7 | Presence |
| 191 | 54 | 1 | 4 | 140 | 239 | 0 | 0 | 160 | 0 | 1.2 | 1 | 0 | 3 | Absence |
| 192 | 70 | 1 | 4 | 145 | 174 | 0 | 0 | 125 | 1 | 2.6 | 3 | 0 | 7 | Presence |
| 193 | 54 | 1 | 2 | 108 | 309 | 0 | 0 | 156 | 0 | 0 | 1 | 0 | 7 | Absence |
| 194 | 35 | 1 | 4 | 126 | 282 | 0 | 2 | 156 | 1 | 0 | 1 | 0 | 7 | Presence |
| 195 | 48 | 1 | 3 | 124 | 255 | 1 | 0 | 175 | 0 | 0 | 1 | 2 | 3 | Absence |
| 196 | 55 | 0 | 2 | 135 | 250 | 0 | 2 | 161 | 0 | 1.4 | 2 | 0 | 3 | Absence |
| 197 | 58 | 0 | 4 | 100 | 248 | 0 | 2 | 122 | 0 | 1 | 2 | 0 | 3 | Absence |
| 198 | 54 | 0 | 3 | 110 | 214 | 0 | 0 | 158 | 0 | 1.6 | 2 | 0 | 3 | Absence |
| 199 | 69 | 0 | 1 | 140 | 239 | 0 | 0 | 151 | 0 | 1.8 | 1 | 2 | 3 | Absence |
| 200 | 77 | 1 | 4 | 125 | 304 | 0 | 2 | 162 | 1 | 0 | 1 | 3 | 3 | Presence |
| 201 | 68 | 1 | 3 | 118 | 277 | 0 | 0 | 151 | 0 | 1 | 1 | 1 | 7 | Absence |
| 202 | 58 | 1 | 4 | 125 | 300 | 0 | 2 | 171 | 0 | 0 | 1 | 2 | 7 | Presence |
| 203 | 60 | 1 | 4 | 125 | 258 | 0 | 2 | 141 | 1 | 2.8 | 2 | 1 | 7 | Presence |
| 204 | 51 | 1 | 4 | 140 | 299 | 0 | 0 | 173 | 1 | 1.6 | 1 | 0 | 7 | Presence |
| 205 | 55 | 1 | 4 | 160 | 289 | 0 | 2 | 145 | 1 | 0.8 | 2 | 1 | 7 | Presence |
| 206 | 52 | 1 | 1 | 152 | 298 | 1 | 0 | 178 | 0 | 1.2 | 2 | 0 | 7 | Absence |
| 207 | 60 | 0 | 3 | 102 | 318 | 0 | 0 | 160 | 0 | 0 | 1 | 1 | 3 | Absence |
| 208 | 58 | 1 | 3 | 105 | 240 | 0 | 2 | 154 | 1 | 0.6 | 2 | 0 | 7 | Absence |
| 209 | 64 | 1 | 3 | 125 | 309 | 0 | 0 | 131 | 1 | 1.8 | 2 | 0 | 7 | Presence |
| 210 | 37 | 1 | 3 | 130 | 250 | 0 | 0 | 187 | 0 | 3.5 | 3 | 0 | 3 | Absence |
| 211 | 59 | 1 | 1 | 170 | 288 | 0 | 2 | 159 | 0 | 0.2 | 2 | 0 | 7 | Presence |
| 212 | 51 | 1 | 3 | 125 | 245 | 1 | 2 | 166 | 0 | 2.4 | 2 | 0 | 3 | Absence |
| 213 | 43 | 0 | 3 | 122 | 213 | 0 | 0 | 165 | 0 | 0.2 | 2 | 0 | 3 | Absence |
| 214 | 58 | 1 | 4 | 128 | 216 | 0 | 2 | 131 | 1 | 2.2 | 2 | 3 | 7 | Presence |
| 215 | 29 | 1 | 2 | 130 | 204 | 0 | 2 | 202 | 0 | 0 | 1 | 0 | 3 | Absence |
| 216 | 41 | 0 | 2 | 130 | 204 | 0 | 2 | 172 | 0 | 1.4 | 1 | 0 | 3 | Absence |
| 217 | 63 | 0 | 3 | 135 | 252 | 0 | 2 | 172 | 0 | 0 | 1 | 0 | 3 | Absence |
| 218 | 51 | 1 | 3 | 94 | 227 | 0 | 0 | 154 | 1 | 0 | 1 | 1 | 7 | Absence |
| 219 | 54 | 1 | 3 | 120 | 258 | 0 | 2 | 147 | 0 | 0.4 | 2 | 0 | 7 | Absence |
| 220 | 44 | 1 | 2 | 120 | 220 | 0 | 0 | 170 | 0 | 0 | 1 | 0 | 3 | Absence |
| 221 | 54 | 1 | 4 | 110 | 239 | 0 | 0 | 126 | 1 | 2.8 | 2 | 1 | 7 | Presence |
| 222 | 65 | 1 | 4 | 135 | 254 | 0 | 2 | 127 | 0 | 2.8 | 2 | 1 | 7 | Presence |
| 223 | 57 | 1 | 3 | 150 | 168 | 0 | 0 | 174 | 0 | 1.6 | 1 | 0 | 3 | Absence |
| 224 | 63 | 1 | 4 | 130 | 330 | 1 | 2 | 132 | 1 | 1.8 | 1 | 3 | 7 | Presence |
| 225 | 35 | 0 | 4 | 138 | 183 | 0 | 0 | 182 | 0 | 1.4 | 1 | 0 | 3 | Absence |
| 226 | 41 | 1 | 2 | 135 | 203 | 0 | 0 | 132 | 0 | 0 | 2 | 0 | 6 | Absence |
| 227 | 62 | 0 | 3 | 130 | 263 | 0 | 0 | 97 | 0 | 1.2 | 2 | 1 | 7 | Presence |
| 228 | 43 | 0 | 4 | 132 | 341 | 1 | 2 | 136 | 1 | 3 | 2 | 0 | 7 | Presence |
| 229 | 58 | 0 | 1 | 150 | 283 | 1 | 2 | 162 | 0 | 1 | 1 | 0 | 3 | Absence |
| 230 | 52 | 1 | 1 | 118 | 186 | 0 | 2 | 190 | 0 | 0 | 2 | 0 | 6 | Absence |
| 231 | 61 | 0 | 4 | 145 | 307 | 0 | 2 | 146 | 1 | 1 | 2 | 0 | 7 | Presence |
| 232 | 39 | 1 | 4 | 118 | 219 | 0 | 0 | 140 | 0 | 1.2 | 2 | 0 | 7 | Presence |
| 233 | 45 | 1 | 4 | 115 | 260 | 0 | 2 | 185 | 0 | 0 | 1 | 0 | 3 | Absence |
| 234 | 52 | 1 | 4 | 128 | 255 | 0 | 0 | 161 | 1 | 0 | 1 | 1 | 7 | Presence |
| 235 | 62 | 1 | 3 | 130 | 231 | 0 | 0 | 146 | 0 | 1.8 | 2 | 3 | 7 | Absence |
| 236 | 62 | 0 | 4 | 160 | 164 | 0 | 2 | 145 | 0 | 6.2 | 3 | 3 | 7 | Presence |
| 237 | 53 | 0 | 4 | 138 | 234 | 0 | 2 | 160 | 0 | 0 | 1 | 0 | 3 | Absence |
| 238 | 43 | 1 | 4 | 120 | 177 | 0 | 2 | 120 | 1 | 2.5 | 2 | 0 | 7 | Presence |
| 239 | 47 | 1 | 3 | 138 | 257 | 0 | 2 | 156 | 0 | 0 | 1 | 0 | 3 | Absence |
| 240 | 52 | 1 | 2 | 120 | 325 | 0 | 0 | 172 | 0 | 0.2 | 1 | 0 | 3 | Absence |
| 241 | 68 | 1 | 3 | 180 | 274 | 1 | 2 | 150 | 1 | 1.6 | 2 | 0 | 7 | Presence |
| 242 | 39 | 1 | 3 | 140 | 321 | 0 | 2 | 182 | 0 | 0 | 1 | 0 | 3 | Absence |
| 243 | 53 | 0 | 4 | 130 | 264 | 0 | 2 | 143 | 0 | 0.4 | 2 | 0 | 3 | Absence |
| 244 | 62 | 0 | 4 | 140 | 268 | 0 | 2 | 160 | 0 | 3.6 | 3 | 2 | 3 | Presence |
| 245 | 51 | 0 | 3 | 140 | 308 | 0 | 2 | 142 | 0 | 1.5 | 1 | 1 | 3 | Absence |
| 246 | 60 | 1 | 4 | 130 | 253 | 0 | 0 | 144 | 1 | 1.4 | 1 | 1 | 7 | Presence |
| 247 | 65 | 1 | 4 | 110 | 248 | 0 | 2 | 158 | 0 | 0.6 | 1 | 2 | 6 | Presence |
| 248 | 65 | 0 | 3 | 155 | 269 | 0 | 0 | 148 | 0 | 0.8 | 1 | 0 | 3 | Absence |
| 249 | 60 | 1 | 3 | 140 | 185 | 0 | 2 | 155 | 0 | 3 | 2 | 0 | 3 | Presence |
| 250 | 60 | 1 | 4 | 145 | 282 | 0 | 2 | 142 | 1 | 2.8 | 2 | 2 | 7 | Presence |
| 251 | 54 | 1 | 4 | 120 | 188 | 0 | 0 | 113 | 0 | 1.4 | 2 | 1 | 7 | Presence |
| 252 | 44 | 1 | 2 | 130 | 219 | 0 | 2 | 188 | 0 | 0 | 1 | 0 | 3 | Absence |
| 253 | 44 | 1 | 4 | 112 | 290 | 0 | 2 | 153 | 0 | 0 | 1 | 1 | 3 | Presence |
| 254 | 51 | 1 | 3 | 110 | 175 | 0 | 0 | 123 | 0 | 0.6 | 1 | 0 | 3 | Absence |
| 255 | 59 | 1 | 3 | 150 | 212 | 1 | 0 | 157 | 0 | 1.6 | 1 | 0 | 3 | Absence |
| 256 | 71 | 0 | 2 | 160 | 302 | 0 | 0 | 162 | 0 | 0.4 | 1 | 2 | 3 | Absence |
| 257 | 61 | 1 | 3 | 150 | 243 | 1 | 0 | 137 | 1 | 1 | 2 | 0 | 3 | Absence |
| 258 | 55 | 1 | 4 | 132 | 353 | 0 | 0 | 132 | 1 | 1.2 | 2 | 1 | 7 | Presence |
| 259 | 64 | 1 | 3 | 140 | 335 | 0 | 0 | 158 | 0 | 0 | 1 | 0 | 3 | Presence |
| 260 | 43 | 1 | 4 | 150 | 247 | 0 | 0 | 171 | 0 | 1.5 | 1 | 0 | 3 | Absence |
| 261 | 58 | 0 | 3 | 120 | 340 | 0 | 0 | 172 | 0 | 0 | 1 | 0 | 3 | Absence |
| 262 | 60 | 1 | 4 | 130 | 206 | 0 | 2 | 132 | 1 | 2.4 | 2 | 2 | 7 | Presence |
| 263 | 58 | 1 | 2 | 120 | 284 | 0 | 2 | 160 | 0 | 1.8 | 2 | 0 | 3 | Presence |
| 264 | 49 | 1 | 2 | 130 | 266 | 0 | 0 | 171 | 0 | 0.6 | 1 | 0 | 3 | Absence |
| 265 | 48 | 1 | 2 | 110 | 229 | 0 | 0 | 168 | 0 | 1 | 3 | 0 | 7 | Presence |
| 266 | 52 | 1 | 3 | 172 | 199 | 1 | 0 | 162 | 0 | 0.5 | 1 | 0 | 7 | Absence |
| 267 | 44 | 1 | 2 | 120 | 263 | 0 | 0 | 173 | 0 | 0 | 1 | 0 | 7 | Absence |
| 268 | 56 | 0 | 2 | 140 | 294 | 0 | 2 | 153 | 0 | 1.3 | 2 | 0 | 3 | Absence |
| 269 | 57 | 1 | 4 | 140 | 192 | 0 | 0 | 148 | 0 | 0.4 | 2 | 0 | 6 | Absence |
| 270 | 67 | 1 | 4 | 160 | 286 | 0 | 2 | 108 | 1 | 1.5 | 2 | 3 | 3 | Presence |