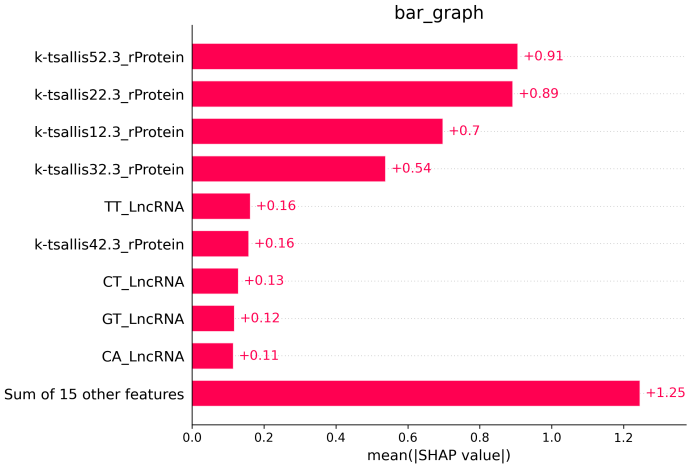
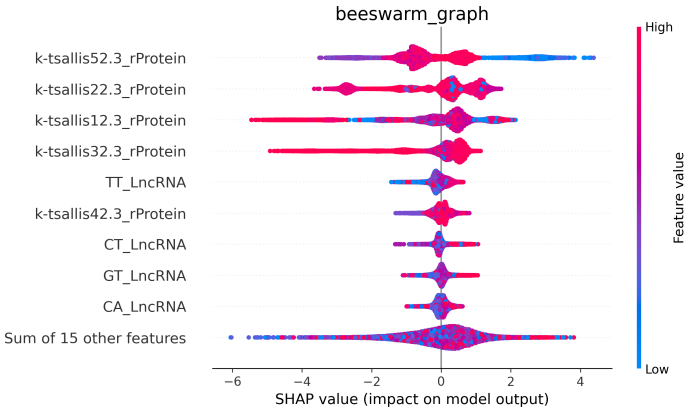
Model Interpretability Report (BioAutoML)

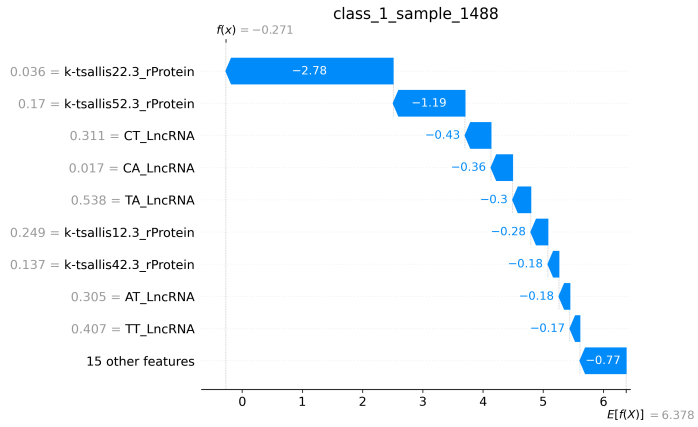
SHAP: For each sample the SHAP do calculate the feature importance for the classification decision.

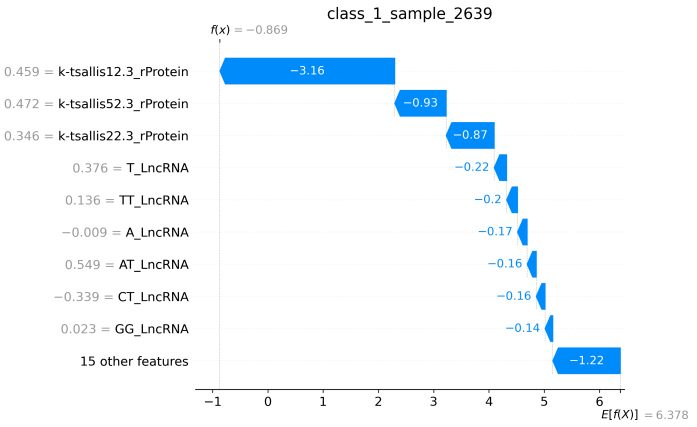


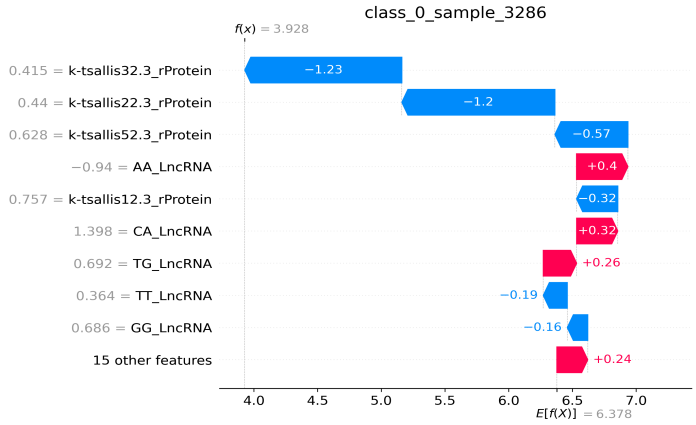
This graph shows the average contribution of each feature, for then highlighting the best features for the model. Through this graph it is possible to understand which are the features most important for the problem.

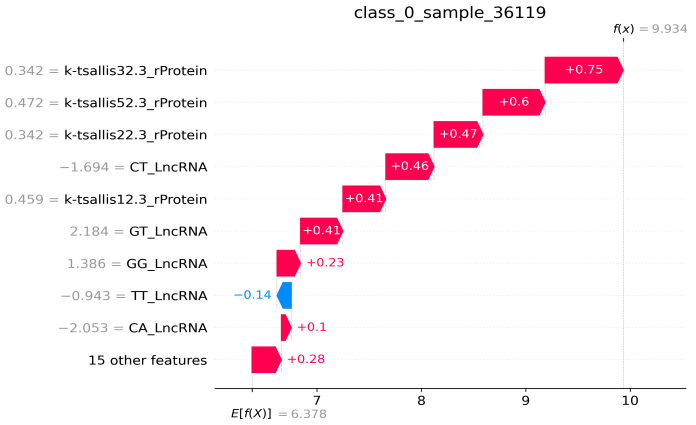


Each line in this graph represents a feature and each dot a sample of the trainament conjunction. Through this graph it is possible to try to establish a correlation between the value of the sample, being high or low, with your contribution to the prediction.









Each graph above it is referent to a specific sample, being that the title describes the sample label. Each line shows a feature, on the left side can see the sample value for this feature and in the colorful bars can see the contribution value for the classification in this class. And can see the limite E[f(x)], values below this number belong one class and values above this same number belong the other class.