

| Metrics       | Scores |       |
|---------------|--------|-------|
|               | Human  | Yeast |
| Accuracy      | 0.80   | 0.84  |
| Mathew's CC   | 0.60   | 0.68  |
| Cohen's Kappa | 0.60   | 0.68  |
| Specificity   | 0.78   | 0.78  |

Table 1: Classifier Metrics of all species

|                    | Predicted <i>-ive</i> | Predicted <i>+ive</i> |
|--------------------|-----------------------|-----------------------|
| Actual <i>-ive</i> | 78                    | 22                    |
| Actual <i>+ive</i> | 18                    | 82                    |

Table 2: Confusion Matrix for Human

|                    | Predicted <i>-ive</i> | Predicted <i>+ive</i> |
|--------------------|-----------------------|-----------------------|
| Actual <i>-ive</i> | 78                    | 22                    |
| Actual <i>+ive</i> | 10                    | 90                    |

Table 3: Confusion Matrix for Yeast

|                     | <b>Precision</b> | <b>Recall</b> | <b>F1-Score</b> | <b>Support</b> |
|---------------------|------------------|---------------|-----------------|----------------|
| <b>0</b>            | 0.81             | 0.81          | 0.81            | 0.81           |
| <b>1</b>            | 0.79             | 0.79          | 0.79            | 0.79           |
| <b>Macro Avg</b>    | 0.80             | 0.80          | 0.80            | 0.80           |
| <b>Weighted Avg</b> | 0.80             | 0.80          | 0.80            | 0.80           |

Table 4: Classification Report for Human

|                     | <b>Precision</b> | <b>Recall</b> | <b>F1-Score</b> | <b>Support</b> |
|---------------------|------------------|---------------|-----------------|----------------|
| <b>0</b>            | 0.89             | 0.89          | 0.89            | 0.89           |
| <b>1</b>            | 0.80             | 0.80          | 0.80            | 0.80           |
| <b>Macro Avg</b>    | 0.84             | 0.84          | 0.84            | 0.84           |
| <b>Weighted Avg</b> | 0.84             | 0.84          | 0.84            | 0.84           |

Table 5: Classification Report for Yeast

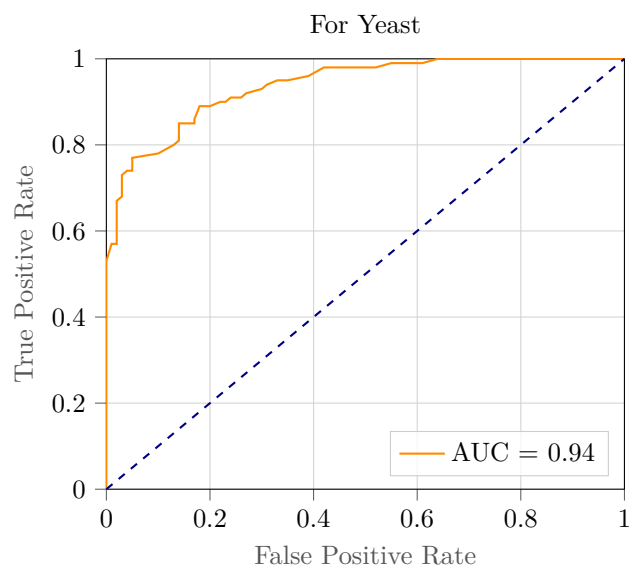
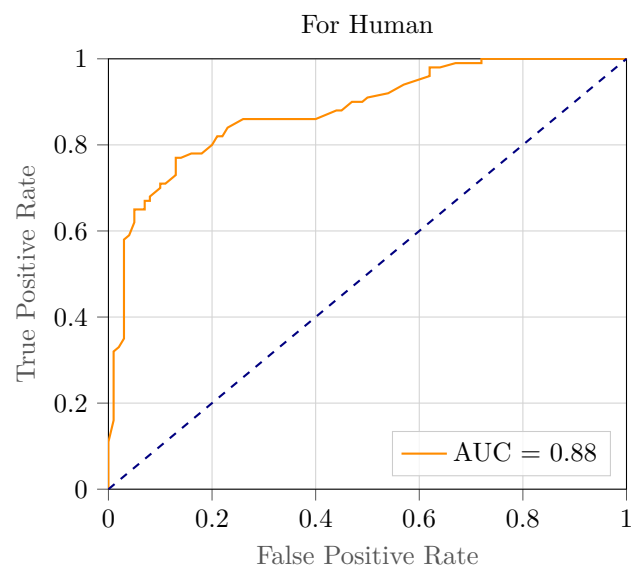


Table 6: Receiver operating characteristic (ROC) curves

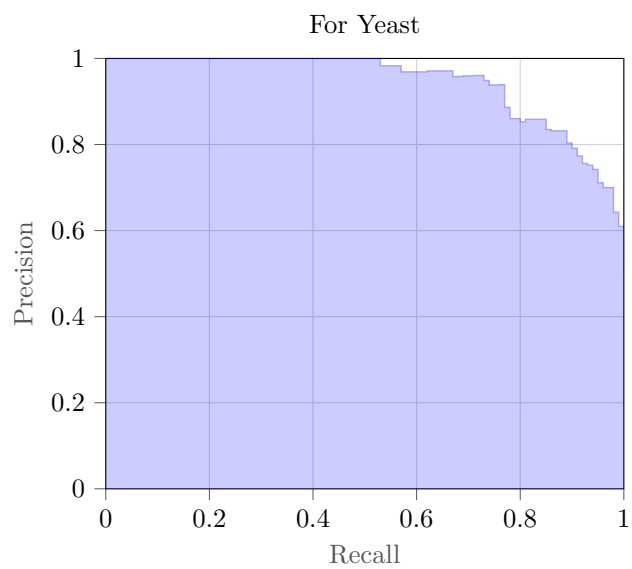
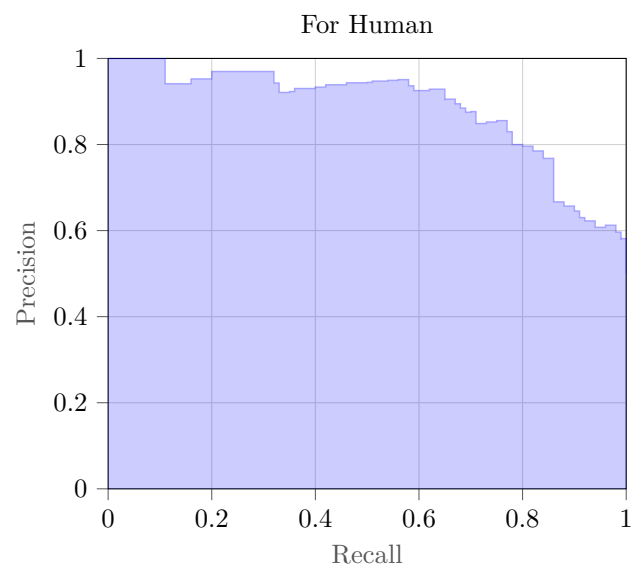


Table 7: Precision Recall curves

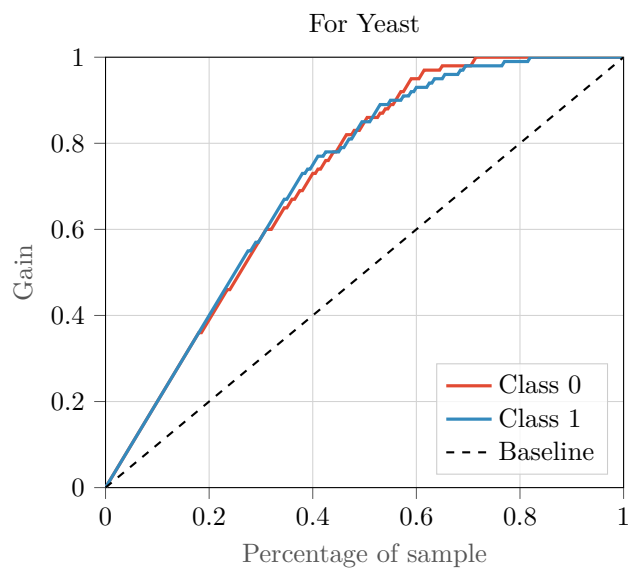
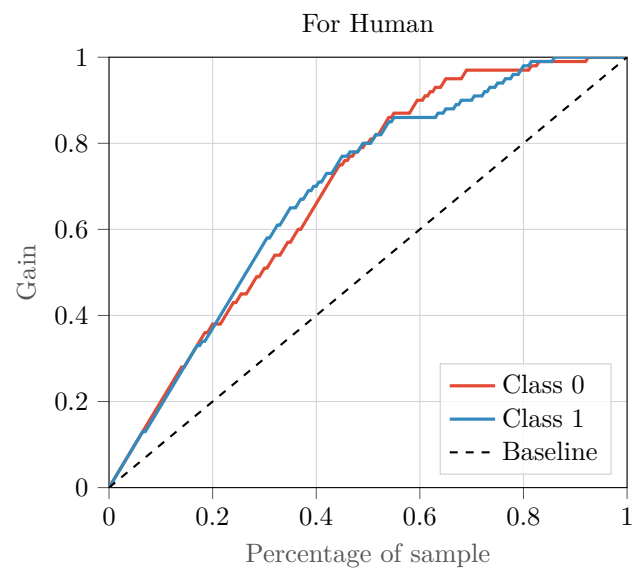


Table 8: Cumulative Gain Charts

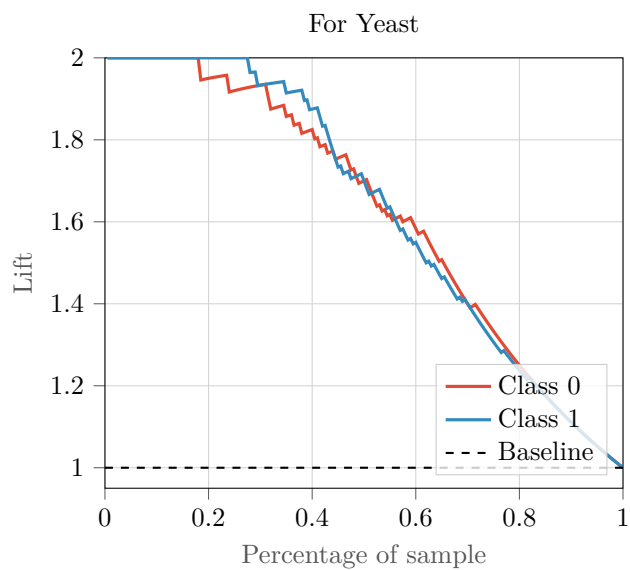
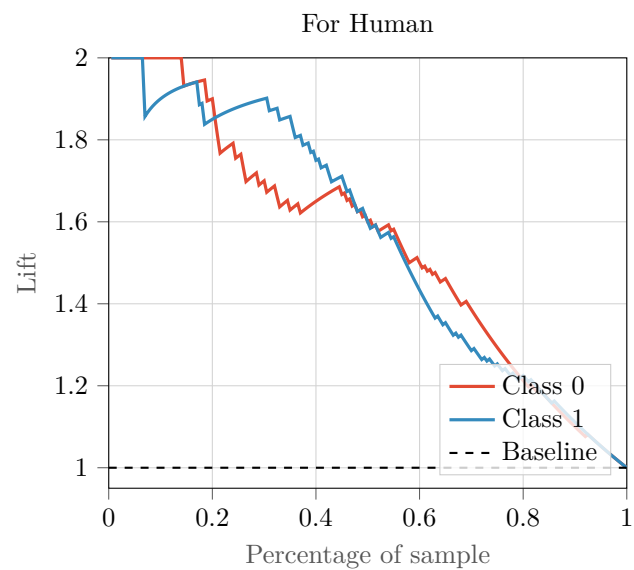


Table 9: Lift Curves