Hyperparameters for the best algorithms. The random state seed was always set to 42 and the maximum number of iterations to 10000. The implementation of scikit-learn v0.22.2 was used.

| Audio format | Number of features | Algorithm | Algorithm | Distance              | Number of Neighbors | Weights     |
|--------------|--------------------|-----------|-----------|-----------------------|---------------------|-------------|
| 3gp          | 3248               | KNN       | auto      | euclidean             | 3                   | uniform     |
| m4a          | 849                |           | auto      | manhattan             | 3                   | uniform     |

| Audio format | Number of features | Algorithm   | Criterion | Max depth | Minimum sample split | n_estimators |
|--------------|--------------------|-------------|-----------|-----------|----------------------|--------------|
| 3gp          | 3248               | Random Forest| entropy   | 10        | 10                   | 100          |
| m4a          | 849                |             | entropy   | 10        | 10                   | 25           |

| Audio format | Number of features | Algorithm | Kernel   | C         | Degree | Tolerance | Gamma |
|--------------|--------------------|-----------|----------|-----------|--------|-----------|-------|
| 3gp          | 3248               | SVM       | linear   | 0.1       | 3      | 0.001     | auto  |
| m4a          | 849                |           | sigmoid  | 1000      | 3      | 0.001     | auto  |