```
NOISELESS CASE.

Features have been extracted.
Training completed for all features
Blind SVM results for all features
For SVM TP = 0 TN = 17 FP = 1 FN = 18 Sn = 0.000000 Sp = 0.944444 Accuracy = ↙
47.222222
Blind Adaboost results for all features
For SVM TP = 14 TN = 6 FP = 12 FN = 4 Sn = 0.777778 Sp = 0.333333 Accuracy = ↙
55.555556
Blind RF results for all features
For SVM TP = 9 TN = 13 FP = 5 FN = 9 Sn = 0.500000 Sp = 0.722222 Accuracy = 61.111111
Training completed - Transform based features only
Blind SVM results for transform based features
For SVM TP = 0 TN = 18 FP = 0 FN = 18 Sn = 0.000000 Sp = 1.000000 Accuracy = ↙
50.000000
Blind Adaboost results for transform based features
For SVM TP = 13 TN = 8 FP = 10 FN = 5 Sn = 0.722222 Sp = 0.444444 Accuracy = ↙
58.333333
Blind RF results for transform based features
For SVM TP = 5 TN = 7 FP = 11 FN = 13 Sn = 0.277778 Sp = 0.388889 Accuracy = ↙
33.333333
Training completed - Spatial features only
Blind SVM results for spatial features
For SVM TP = 4 TN = 9 FP = 9 FN = 14 Sn = 0.222222 Sp = 0.500000 Accuracy = 36.111111
Blind Adaboost results for spatial features
For SVM TP = 14 TN = 6 FP = 12 FN = 4 Sn = 0.777778 Sp = 0.333333 Accuracy = ↙
55.555556
Blind RF results for spatial features
For SVM TP = 6 TN = 14 FP = 4 FN = 12 Sn = 0.333333 Sp = 0.777778 Accuracy = ↙
55.555556
Training completed - Directional transform based features only
Blind SVM results for directional (frequency domain) features
For SVM TP = 1 TN = 16 FP = 2 FN = 17 Sn = 0.055556 Sp = 0.888889 Accuracy = ↙
47.222222
Blind Adaboost results for directional (frequency domain) features
For SVM TP = 13 TN = 13 FP = 5 FN = 5 Sn = 0.722222 Sp = 0.722222 Accuracy = ↙
72.222222
Blind RF results for directional (frequency domain) features
For SVM TP = 12 TN = 14 FP = 4 FN = 6 Sn = 0.666667 Sp = 0.777778 Accuracy = ↙
72.222222
Training completed - Non-directional transform based features only
Blind SVM results for non-directional (frequency domain) features
For SVM TP = 0 TN = 18 FP = 0 FN = 18 Sn = 0.000000 Sp = 1.000000 Accuracy = ↙
50.000000
Blind Adaboost results for non-directional (frequency domain) features
For SVM TP = 7 TN = 10 FP = 8 FN = 11 Sn = 0.388889 Sp = 0.555556 Accuracy = ↙
47.222222
Blind RF results for non-directional (frequency domain) features
```

```
For SVM TP = 1 TN = 12 FP = 6 FN = 17 Sn = 0.055556 Sp = 0.666667 Accuracy = ↙
36.111111
Elapsed time is 731.939847 seconds.



NOISY - GAUSSIAN.

Features have been extracted.
Training completed for all features
Blind SVM results for all features
For SVM TP = 0 TN = 17 FP = 1 FN = 18 Sn = 0.000000 Sp = 0.944444 Accuracy = ↙
47.222222
Blind Adaboost results for all features
For SVM TP = 17 TN = 3 FP = 15 FN = 1 Sn = 0.944444 Sp = 0.166667 Accuracy = ↙
55.555556
Blind RF results for all features
For SVM TP = 9 TN = 14 FP = 4 FN = 9 Sn = 0.500000 Sp = 0.777778 Accuracy = 63.888889
Elapsed time is 420.557724 seconds.



WITH ANGULAR DISTORTION.

Features have been extracted.
Training completed for all features
Blind SVM results for all features
For SVM TP = 0 TN = 17 FP = 1 FN = 18 Sn = 0.000000 Sp = 0.944444 Accuracy = ↙
47.222222
Blind Adaboost results for all features
For SVM TP = 18 TN = 0 FP = 18 FN = 0 Sn = 1.000000 Sp = 0.000000 Accuracy = ↙
50.000000
Blind RF results for all features
For SVM TP = 18 TN = 0 FP = 18 FN = 0 Sn = 1.000000 Sp = 0.000000 Accuracy = ↙
50.000000
Elapsed time is 441.834727 seconds.



WITH NOISE AND ANGULAR DISTORTION.

Features have been extracted.
Training completed for all features
Blind SVM results for all features
For SVM TP = 1 TN = 17 FP = 1 FN = 17 Sn = 0.055556 Sp = 0.944444 Accuracy = ↙
50.000000
Blind Adaboost results for all features
For SVM TP = 18 TN = 0 FP = 18 FN = 0 Sn = 1.000000 Sp = 0.000000 Accuracy = ↙
50.000000
```

```
Blind RF results for all features
For SVM TP = 1 TN = 17 FP = 1 FN = 17 Sn = 0.055556 Sp = 0.944444 Accuracy = ↙
50.000000
Elapsed time is 387.723615 seconds.
Elapsed time is 387.724183 seconds.
>>
```