

Validation Type	20% out
Model type	Lda
Number of Pca dimensions	35
Number of Lda dimensions	11
Outlier Type	Based on standard deviation
Parameter	8

Group result:

Group	Number of spectra	Number of passes	Number of failures	Number of outliers	Correct Classification Rate	
					Excluding outliers	Including outliers
Total	231	228	1	2	99.56%	98.70%

Confusion matrix:

	acinetobacter baumannii	burkholderia cepacia	enterobacter cloacae	enterococcus hirae	escherichia coli	haemophilus influenzae	klebsiella aerogenes	klebsiella pneumoniae	lactobacillus brevis	pseudomonas aeruginosa	staphylococcus aureus	staphylococcus epidermidis	streptococcus pyogenes	Outlier	Total
acinetobacter baumannii	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
burkholderia cepacia	0	9	0	0	0	0	0	0	0	0	0	0	0	0	9
enterobacter cloacae	0	0	9	0	0	0	0	0	0	0	0	0	0	0	9
enterococcus hirae	0	0	0	8	0	0	0	0	0	0	0	0	0	1	9
escherichia coli	0	0	0	0	48	0	0	0	0	0	0	0	0	0	48
haemophilus influenzae	0	0	0	0	0	8	0	1	0	0	0	0	0	0	9
klebsiella aerogenes	0	0	0	0	0	0	9	0	0	0	0	0	0	0	9
klebsiella pneumoniae	0	0	0	0	0	0	0	84	0	0	0	0	0	0	84
lactobacillus brevis	0	0	0	0	0	0	0	0	9	0	0	0	0	0	9
pseudomonas aeruginosa	0	0	0	0	0	0	0	0	0	8	0	0	0	1	9
staphylococcus aureus	0	0	0	0	0	0	0	0	0	0	9	0	0	0	9
staphylococcus epidermidis	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9
streptococcus pyogenes	0	0	0	0	0	0	0	0	0	0	0	0	9	0	9
Total	9	9	9	8	48	8	9	85	9	8	9	9	9	2	231