

Validation Type	20% out
Model type	Lda
Number of Pca dimensions	35
Number of Lda dimensions	11
Outlier Type	Based on standard deviation
Parameter	4

Group result:

Group	Number of spectra	Number of passes	Number of failures	Number of outliers	Correct Classification Rate	
					Excluding outliers	Including outliers
Total	231	203	0	28	100.00%	87.88%

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	7	0	0	0	0	0	0	0	0	0	0	0	0	2	9
burkholderia cepacia	0	9	0	0	0	0	0	0	0	0	0	0	0	0	9
enterobacter cloacae	0	0	8	0	0	0	0	0	0	0	0	0	0	1	9
enterococcus hirae	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9
escherichia coli	0	0	0	0	45	0	0	0	0	0	0	0	0	3	48
haemophilus influenzae	0	0	0	0	0	7	0	0	0	0	0	0	0	2	9
klebsiella aerogenes	0	0	0	0	0	0	8	0	0	0	0	0	0	1	9
klebsiella pneumoniae	0	0	0	0	0	0	0	81	0	0	0	0	0	3	84
lactobacillus brevis	0	0	0	0	0	0	0	0	7	0	0	0	0	2	9
pseudomonas aeruginosa	0	0	0	0	0	0	0	0	0	7	0	0	0	2	9
staphylococcus aureus	0	0	0	0	0	0	0	0	0	0	8	0	0	1	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	7	2	9
Total	7	9	8	0	45	7	8	81	7	7	8	9	7	28	231