

Supplementary Table 3: Results of the LASSO-RF results

Statistics	Oralswab cancer	Oralswab adenoma	Oralstool cancer	Oralstool adenoma	Stool cancer
Dataset					
Samples	70	46	44	35	131
Features/ OTUs (preprocessed)	385	385	1505	1505	1015
Random Forest Model					
# selected features	43	24	36	3	106
pROC library 10XCV AUC	0,96	0,91	0,98	0,93	0,94
default threshold	0,50	0,50	0,50	0,50	0,50
default threshold 10XCV Sensitivity	0,98	0,74	0,99	0,86	0,92
default threshold 10X CV Specificity	0,70	0,90	0,79	0,89	0,79
Youden's threshold	0,55	0,46	0,57	0,43	0,53
Youden's threshold 10XCV Sensitivity	0,95	0,84	0,96	0,89	0,86
Youden's threshold 10X CV Specificity	0,81	0,86	0,90	0,88	0,90

Stool adenoma
85
1015
18
0,86
0,50
0,24
0,94
0,28
0,85
0,80