Random Forest Confusion Matrix
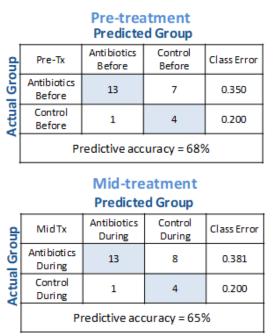
Pre-treatment
Predicted Group

Pre-Tx	Antibiotics Before	Control Before	Class Error
Antibiotics Before	13	7	0.350
Control Before	1	4	0.200
Predictive accuracy = 68%			

(Actual Group)

Mid-treatment
Predicted Group

Mid Tx	Antibiotics During	Control During	Class Error
Antibiotics During	13	8	0.381
Control During	1	4	0.200
Predictive accuracy = 65%			

(Actual Group)

Post treatment
Predicted Group

Post Tx	Antibiotics After	Control After	Class Error
Antibiotics After	11	8	0.421
Control After	0	5	0.000
Predictive accuracy = 67%			

(Actual Group)

Figure S3 — Random Forest Analysis