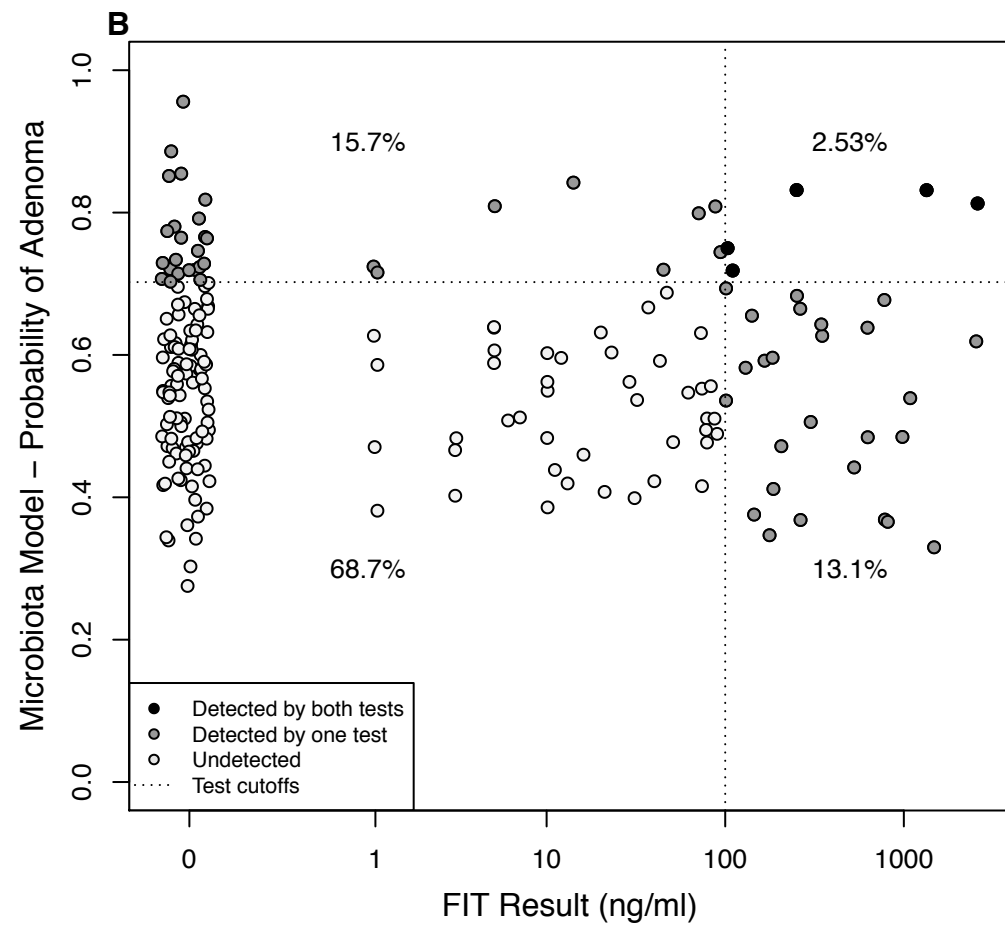
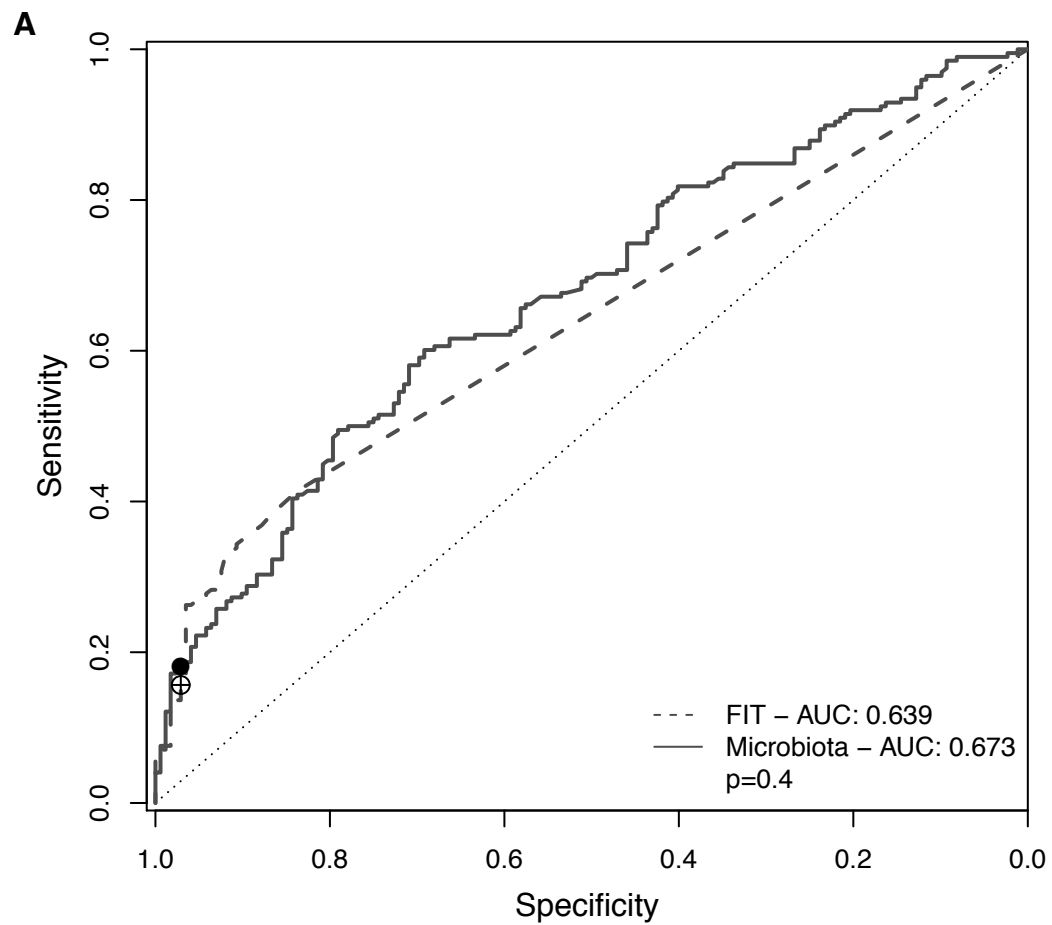
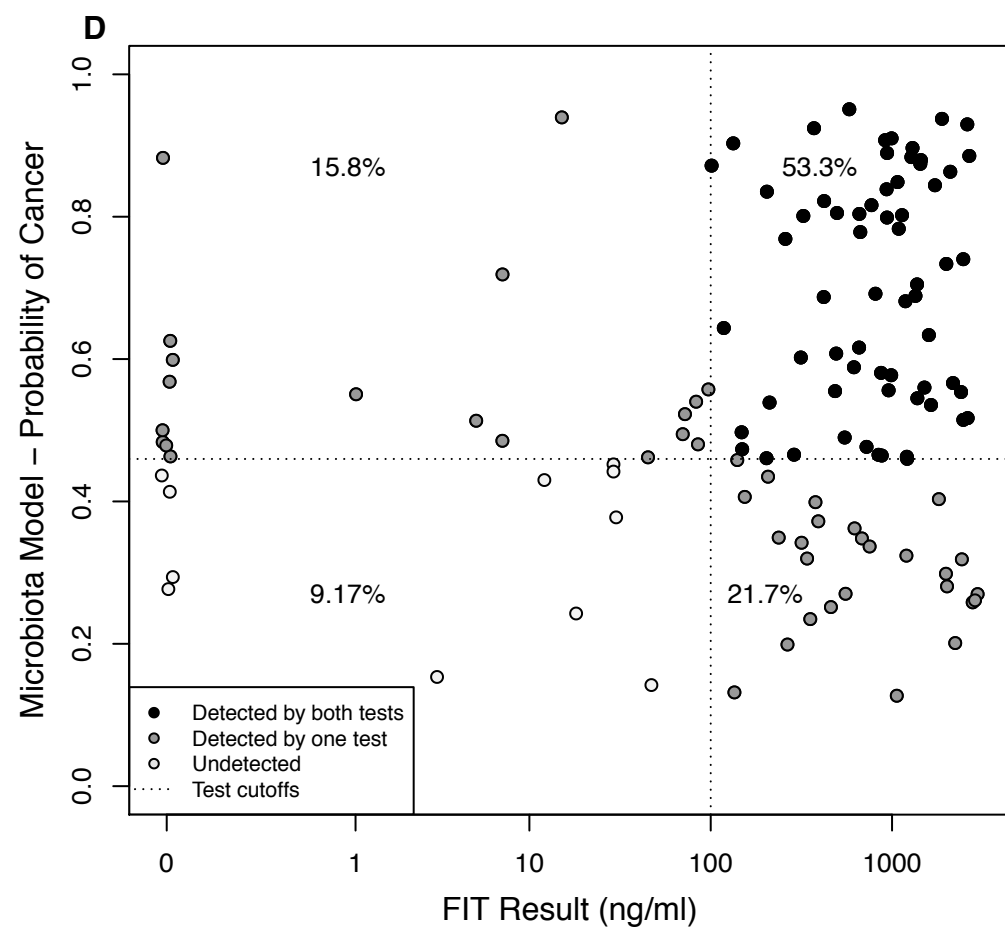
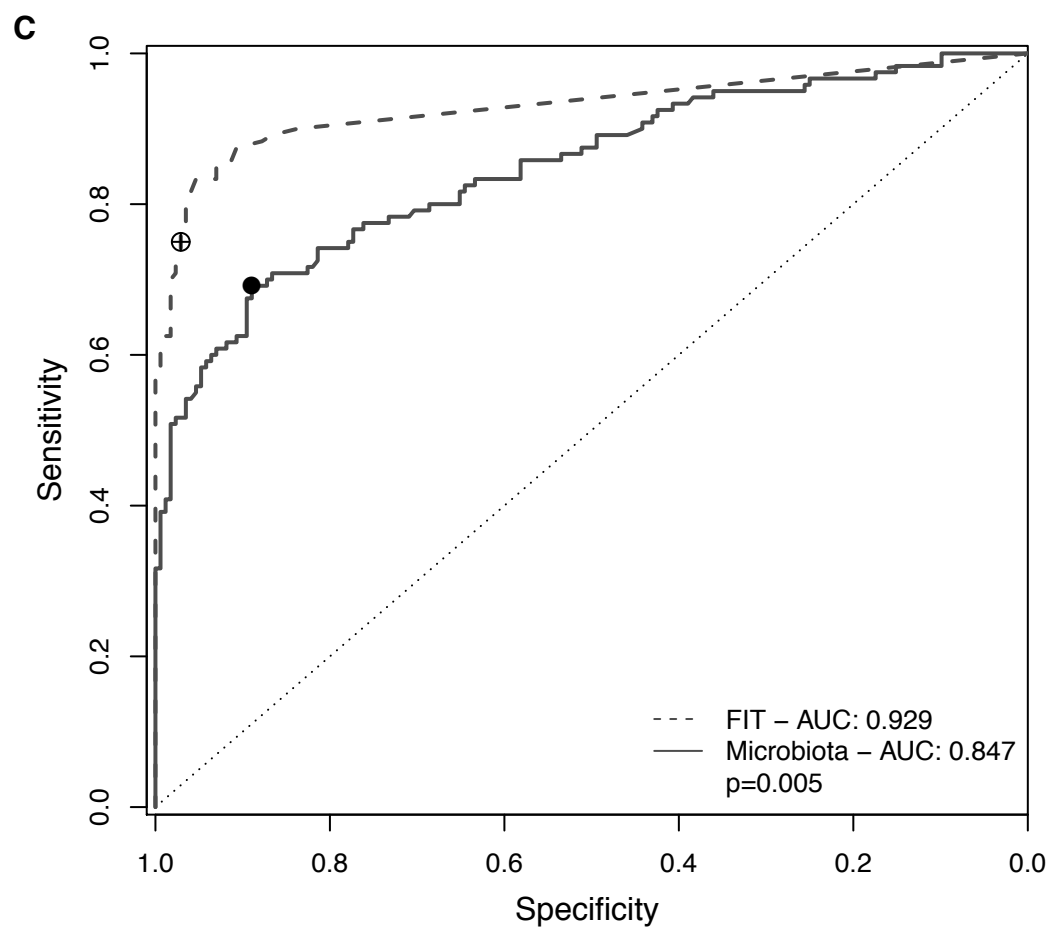
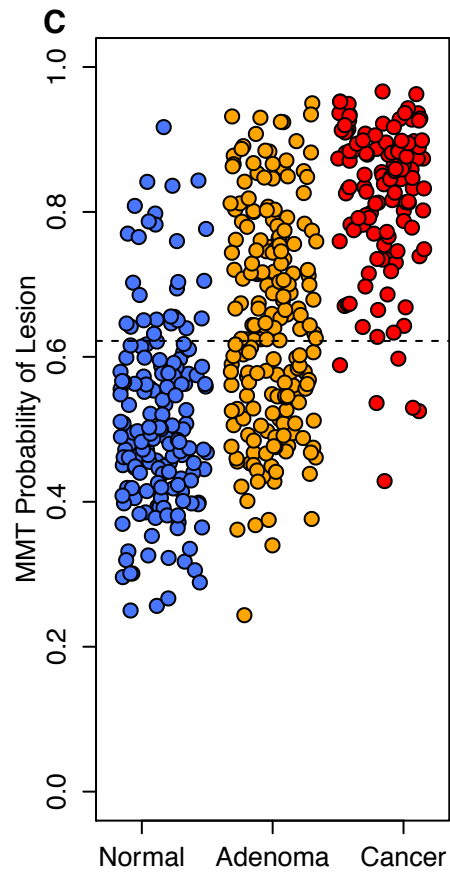
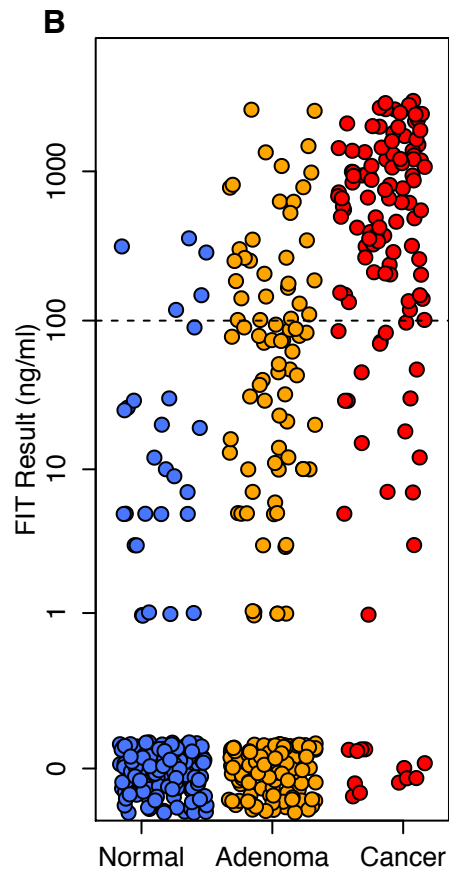
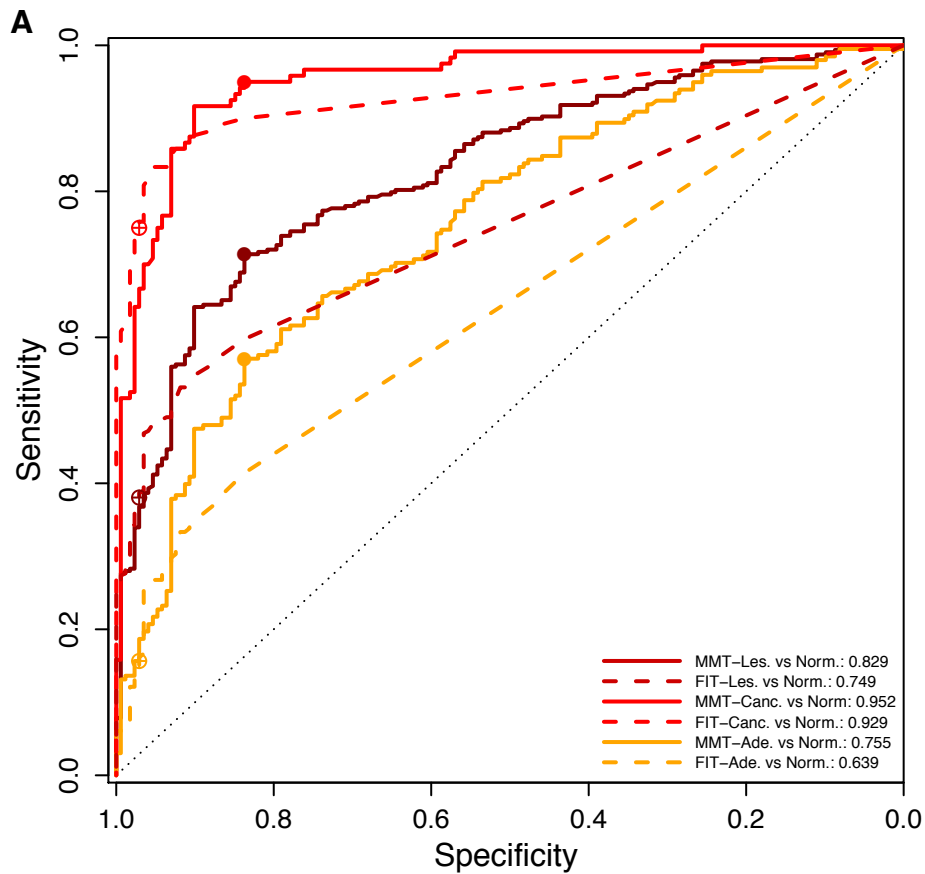


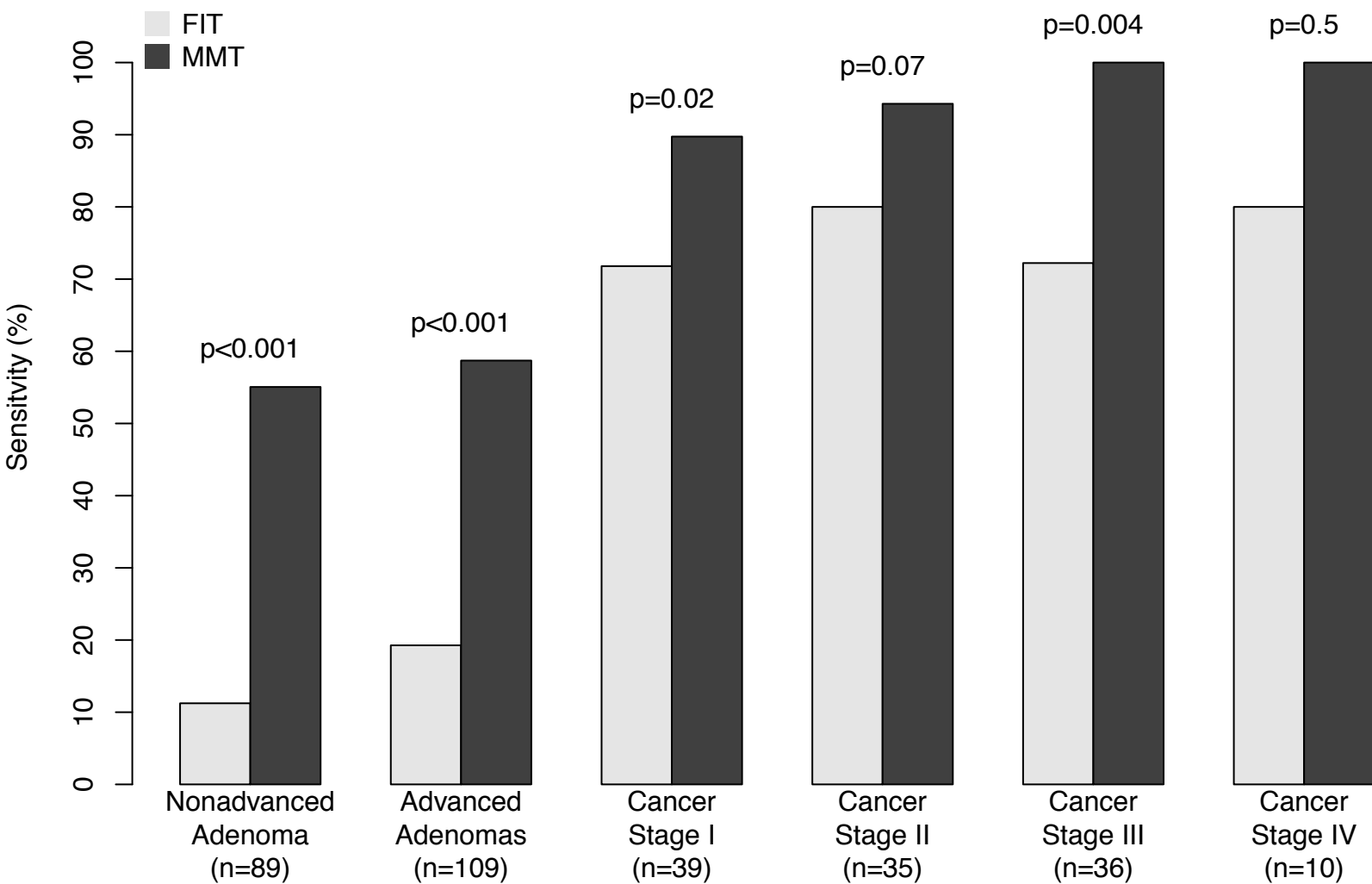
**Adenoma
vs.
Normal**

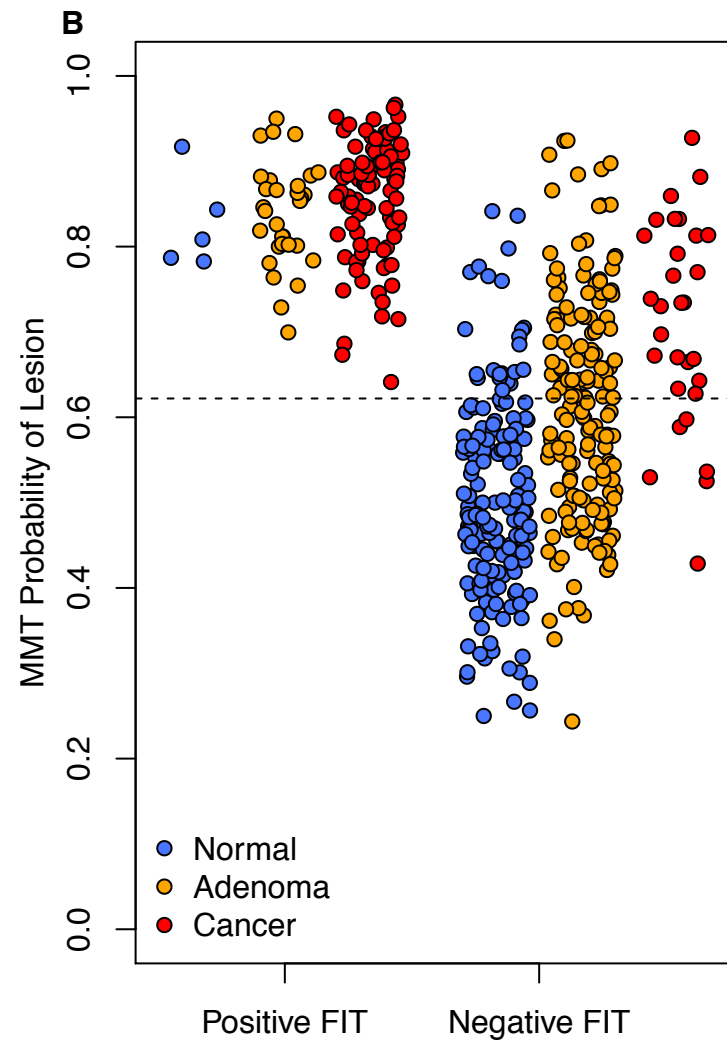
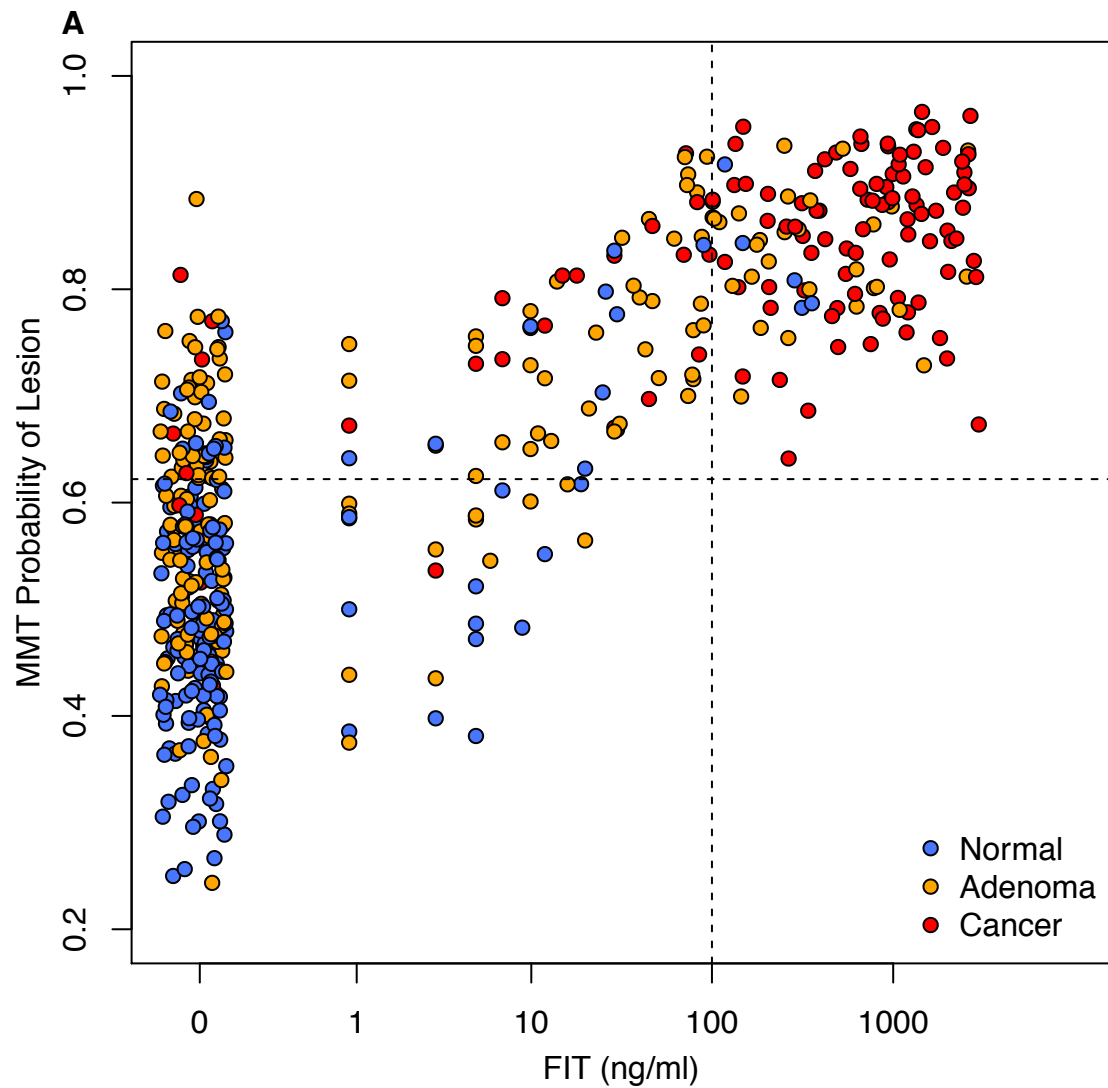


**Cancer
vs.
Normal**







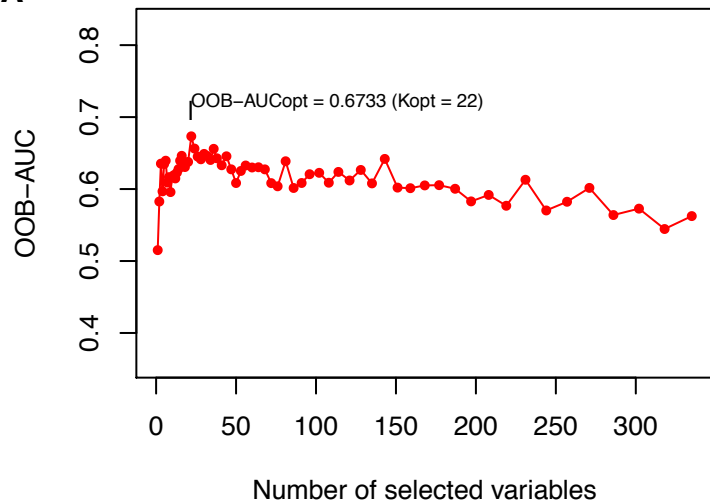


Diagnosis		Fecal Immunochemical Test		Multitarget Microbiota Test	
		True Positives	Sensitivity (95% CI)	True Positives	Sensitivity (95% CI)
Cancer	n=120	90	75.0 (66.7-82.5)	114	95.0 (90.8-98.3)
Adenoma	n=198	31	15.7 (10.6-20.7)	113	57.1 (50.5-64.1)
Any Lesions	n=318	121	38.1 (33-43.1)	227	71.4 (66.4-76.1)
		True Negatives	Specificity (95% CI)	True Negatives	Specificity (95% CI)
Normal	n=172	167	97.1 (94.8-99.4)	144	83.7 (78.5-89)

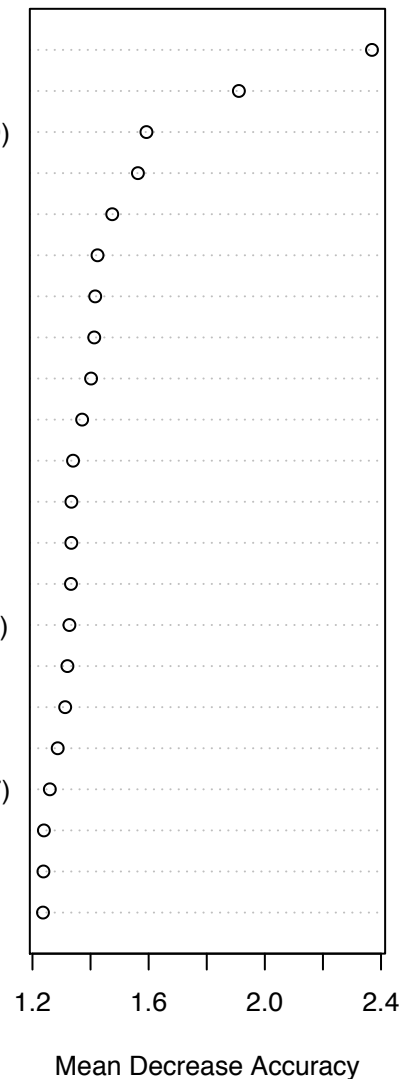
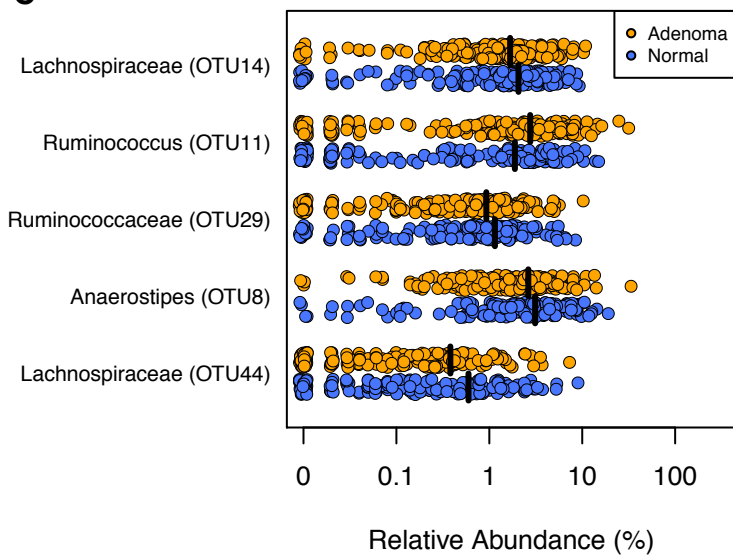
Number and Percentage of True Positives Identified through FIT and MMT

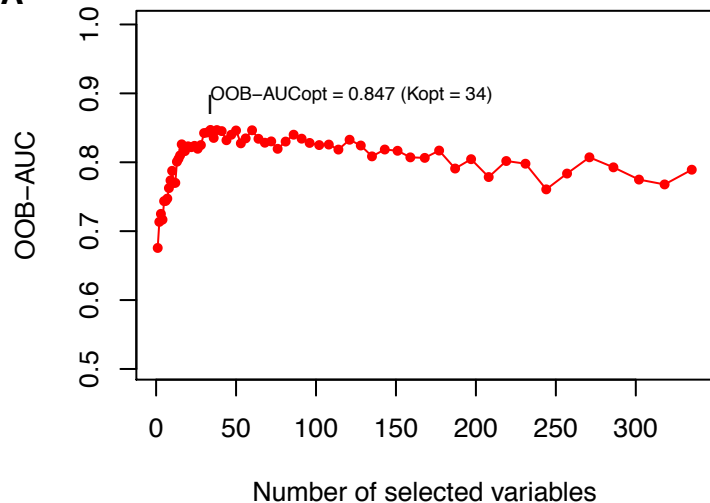
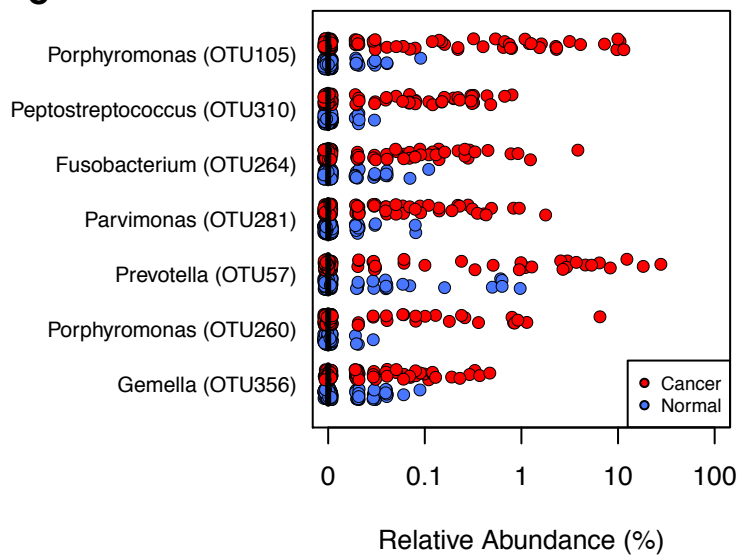
Condition	Prevalence	Number of Persons, ages 50-75 years, with Condition	True Positives identified through FIT	True Positives identified through additional MMT	Percentage of True Positives identified through additional MMT
Cancer	0.3%	241,483	181,112	222,260	55.1%
Advanced Adenoma	5.7%	4,588,174	885,518	2,276,159	72.0%
Non-advanced Adenoma	17.7%	14,247,488	1,595,719	7,507,376	82.5%

*Number of persons in the United States in 2010, 50-75 years of age, was 80,494,283.

A**B**

Lachnospiraceae (OTU14)
 Ruminococcus (OTU11)
 Ruminococcaceae (OTU29)
 Anaerostipes (OTU8)
 Lachnospiraceae (OTU44)
 Bacteria (OTU358)
 Faecalibacterium (OTU6)
 Clostridiales (OTU10)
 Blautia (OTU9)
 Ruminococcus (OTU104)
 Bacteroides (OTU3)
 Blautia (OTU22)
 Blautia (OTU13)
 Bacteroides (OTU2)
 Lachnospiraceae (OTU115)
 Bacteroides (OTU7)
 Clostridium_XIVa (OTU46)
 Bacteroides (OTU30)
 Clostridium_XIVb (OTU147)
 Clostridium_XIVa (OTU47)
 Lachnospiraceae (OTU88)
 Clostridiales (OTU68)

**C**

A**C****B**

Porphyromonas (OTU105)
 Peptostreptococcus (OTU310)
 Fusobacterium (OTU264)
 Parvimonas (OTU281)
 Prevotella (OTU57)
 Porphyromonas (OTU260)
 Gemella (OTU356)
 Clostridium_XIVa (OTU97)
 Coprococcus (OTU67)
 Bacteroides (OTU299)
 Dorea (OTU62)
 Clostridium_XIVb (OTU170)
 Bilophila (OTU98)
 Lachnospiraceae (OTU94)
 Clostridium_XIVa (OTU286)
 Bacteroides (OTU2)
 Lachnospiraceae (OTU88)
 Akkermansia (OTU4)
 Lachnospiraceae (OTU44)
 Anaerostipes (OTU8)
 Blautia (OTU216)
 Streptococcus (OTU20)
 Lachnospiraceae (OTU14)
 Odoribacter (OTU63)
 Ruminococcaceae (OTU339)
 Pasteurellaceae (OTU58)
 Ruminococcaceae (OTU164)
 Blautia (OTU84)
 Lachnospiraceae (OTU189)
 Coprobacillus (OTU395)
 Ruminococcaceae (OTU70)
 Phascolarctobacterium (OTU23)
 Parabacteroides (OTU49)
 Clostridium_XI (OTU27)

