

Supplementary Table 4. The hazard ratios with 95% confidence intervals for *F nucleatum* , for each MSI status, based on multivariate Cox model and propensity based methods.

MSI=0			
Not adjusting for tumor stage	Method for propensity score	HR (95% CI)	p-value
Multivariate Cox model		2.13 (1.44-3.15)	0.000
Model 1: Cox model stratified by categorized propensity score	Logistic	2.07 (1.39-3.10)	0.001
	CBPS	2.04 (1.38-3.03)	0.002
	GBM	1.96 (1.31-2.94)	0.001
Model 2: Cox model with categorized propensity score as a covariate	Logistic	2.07 (1.37-3.11)	0.001
	CBPS	2.02 (1.35-3.03)	0.001
	GBM	1.94 (1.29-2.93)	0.002
Adjusting for tumor stage	Method for propensity score	HR (95% CI)	p-value
Multivariate Cox model		1.83 (1.17-2.88)	0.009
Model 1: Cox model stratified by categorized propensity score	Logistic	1.71 (1.07-2.73)	0.024
	CBPS	1.69 (1.12-2.55)	0.012
	GBM	1.70 (1.07-2.69)	0.024
Model 2: Cox model with categorized propensity score as a covariate	Logistic	1.71 (1.07-2.75)	0.025
	CBPS	1.69 (1.11-2.56)	0.015
	GBM	1.71 (1.07-2.72)	0.024
MSI=1			
Not adjusting for tumor stage	Method for propensity score	HR (95% CI)	p-value
Multivariate Cox model		0.84 (0.21-3.34)	0.805
Model 1: Cox model stratified by categorized propensity score	Logistic	1.05 (0.31-3.56)	0.938
	CBPS	1.05 (0.31-3.58)	0.940
	GBM	1.12 (0.35-3.59)	0.846
Model 2: Cox model with categorized propensity score as a covariate	Logistic	1.01 (0.30-3.40)	0.988
	CBPS	1.05 (0.31-3.60)	0.937
	GBM	1.16 (0.35-3.81)	0.804
Adjusting for tumor stage	Method for propensity score	HR (95% CI)	p-value
Multivariate Cox model		0.55 (0.09-3.21)	0.508
Model 1: Cox model stratified by categorized propensity score	Logistic	0.90 (0.19-4.19)	0.890
	CBPS	0.95 (0.21-4.31)	0.944
	GBM	0.82 (0.21-3.18)	0.769
Model 2: Cox model with categorized propensity score as a covariate	Logistic	0.92 (0.19-4.38)	0.918
	CBPS	0.96 (0.21-4.43)	0.956
	GBM	0.80 (0.20-3.18)	0.756