

Supplementary Table 3. The hazard ratios with 95% confidence intervals for *F nucleatum* and its subspecies based on propensity score methods.

F nucleatum (models 1 and 2)

Not adjusting for tumor stage	Method for propensity score	HR (95% CI)	p-value
Model 1: Cox model stratified by categorized propensity score	Logistic	1.88 (1.27-2.78)	0.002
	CBPS	1.84 (1.26-2.70)	0.002
	GBM	1.93 (1.30-2.86)	0.001
Model 2: Cox model with categorized propensity score as a covariate	Logistic	1.86 (1.25-2.76)	0.002
	CBPS	1.82 (1.24-2.68)	0.002
	GBM	1.94 (1.30-2.89)	0.001
Adjusting for tumor stage	Method for propensity score	HR (95% CI)	p-value
Model 1: Cox model stratified by categorized propensity score	Logistic	1.59 (1.05-2.41)	0.027
	CBPS	1.49 (1.03-2.16)	0.036
	GBM	1.75 (1.15-2.66)	0.01
Model 2: Cox model with categorized propensity score as a covariate	Logistic	1.60 (1.05-2.43)	0.028
	CBPS	1.48 (1.02-2.16)	0.038
	GBM	1.74 (1.14-2.67)	0.011

F nucleatum subspecies (model 3)

Not adjusting for tumor stage	Method for propensity score	HR (95% CI)	p-value
<i>F subsp animalis</i>	Multinomial	2.41 (1.45-4.01)	0.001
	CBPS	2.33 (1.52-3.56)	0.000
	GBM	2.11 (1.31-3.40)	0.002
<i>F subsp vincentii + nucleatum</i>	Multinomial	0.74 (0.29-1.90)	0.531
	CBPS	0.75 (0.37-1.54)	0.434
	GBM	0.77 (0.30-1.95)	0.575
Adjusting for tumor stage	Method for propensity score	HR (95% CI)	p-value
<i>F subsp animalis</i>	Multinomial	1.64 (0.79-3.40)	0.186
	CBPS	1.56 (1.13-2.17)	0.007
	GBM	1.61 (0.88-2.95)	0.124
<i>F subsp vincentii + nucleatum</i>	Multinomial	0.46 (0.17-1.23)	0.122
	CBPS	0.55 (0.26-1.16)	0.114
	GBM	0.64 (0.24-1.69)	0.371