

Supplemental Table 1

Covariates	Overall survival		Progression-free survival	
	p-value	Hazard Ratio (95% CI)	p-value	Hazard Ratio (95% CI)
Baseline ^{11}C -PD153035 SUV _{max} alone	0.001	0.40 (0.22-0.70)	<0.001	0.044 (0.009-0.22)
Baseline SUV _{max} adjusting for histology	0.002	0.36 (0.19-0.68)	<0.001	0.043 (0.009-0.21)
Baseline SUV _{max} adjusting for smoking status	0.002	0.31 (0.15-0.66)	<0.001	0.079 (0.018-0.35)
Baseline SUV _{max} adjusting for number of prior chemotherapy regimens	0.004	0.42 (0.23-0.75)	<0.001	0.076 (0.018-0.32)

Cox-regression analysis evaluating the correlation between baseline ^{11}C -PD153035 SUV_{max} and survival. The analysis reflects a Cox model with SUV_{max} alone, and then SUV_{max} adjusting separately for histology (adenocarcinoma vs. squamous cell), smoking status (current/former vs. none), and number of prior chemotherapy cycles (1 vs. 2-3). Abbreviations: SUV_{max}, maximum standardized uptake value; CI, confidence interval.