

Supplementary Table 3. Multivariable analysis for objective response, progression-free and overall survival among patients with detectable ctDNA at baseline.

Objective response		
	OR (95%CI)	P
ctDNA change (decrease vs increase)	2.82 (1.7-5.3)	0.01
Progression-free survival		
	HR (95%CI)	P
ctDNA change (decrease vs increase)	0.28 (0.10-0.81)	0.02
Overall survival		
	HR (95%CI)	P
ctDNA change (decrease vs increase)	0.44 (0.31-0.64)	<0.0001

Covariates included in the model: plasma cDNA change, age, Eastern Cooperative Oncology Group performance status, PD-L1 expression, sex, treatment received, smoking status.

ctDNA: circulating tumor DNA