

Personalized mRNA vaccine of esophageal carcinoma

Supplementary Table 1. bTMB and list of ctDNA gene mutations

Specimen	No.	Gene	Chromosome	Exon	Base change	Variability (%)	Mutation type	bTMB (Muts/Mb)
Baseline	1	HSD17B3	chr9	Exon7	c.521C>A	10.19	Point	7.63
	2	CFD	chr19	Exon5	c.728G>A	5.56	Point	
	3	KMT2D	chr12	Exon31	c.7417C>T	4.79	Point	
	4	ACVR1	chr2	Exon5	c.421C>G	4.14	Point	
	5	EP300	chr22	Exon2	c.361A>G	2	Point	
	6	DDX51	chr12	Exon10	c.1510T>G	1.58	Point	
	7	TMEM127	chr2	Exon2	c.119C>G	0.93	Point	
	8	CDK8	chr13	Exon7	c.656C>T	0.65	Point	
	9	LRP1B	chr2	Exon64	c.9964-1G>C	0.48	Point	
	10	FGFR1	chr8	Exon11	c.1448G>T	0.46	Point	
	11	GATA1	chrX	Exon6	c.958A>T	0.46	Point	
	12	TP53	chr17	Exon5	c.524G>A	0.44	Point	
	13	PPP2R2A	chr8	Exon8	c.899dup	7.81	Insertional	
	14	TP53	chr17	Exon5	c.486del	7.56	Insertional	
After Treatment	1	TP53	chr17	Exon5	c.524G>A	0.54	Point	1.53
	2	TERT	chr5	Upstream	c.-362C>T	0.25	Point	