

1 Supplementary Table 1. Cox regression analysis in TCGA metastatic melanoma patients

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Characteristics	Univariate		Multivariable	
	Hazard Ratio	<i>P</i> -value	Hazard Ratio	<i>P</i> -value
	(95% CI)		(95% CI)	
Diagnosis.Age	1.03 (1.01-1.04)	3.70e-05	1.02 (1.01-1.04)	2.94e-04
Sex (Male vs Female)	0.91 (0.63-1.32)	0.636		
Mutation.Count	1.00 (1.00-1.00)	0.394		
Fraction.Genome.Altered	2.29 (1.04-5.04)	0.040	1.33 (0.54-3.27)	0.528
Tumor.Stage (Stage III/IV vs Stage 0/I/II)	1.77 (1.22-2.57)	2.86e-03	1.94 (1.33-2.84)	6.29e-04
TME.subtype (Rich vs Poor)	0.49 (0.34-0.70)	8.76e-05	0.46 (0.31-0.70)	2.60e-04

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