

**Table S6.** Kaplan-Meier survival analysis and mean survival times of patients with primary melanomas that show low and high mRNA expression of the top long survival marker genes in an independent RNA sequencing data set (GSE98394).

<b>Gene</b>		<b>Mean survival time (months <math>\pm</math> SE)</b>	<b>Log rank test p-value</b>
<i>KRT10</i>	Low mRNA expression	66.7 $\pm$ 9.4	0.001
	High mRNA expression	110.5 $\pm$ 5.7	
<i>FOXN3</i>	Low mRNA expression	64.4 $\pm$ 9.5	<0.001
	High mRNA expression	112.8 $\pm$ 4.4	
<i>MTSS1</i>	Low mRNA expression	67.4 $\pm$ 9.4	0.001 <sup>†</sup>
	High mRNA expression	110.1 $\pm$ 5.9	
<i>REEP5</i>	Low mRNA expression	69.0 $\pm$ 9.6	0.004
	High mRNA expression	108.2 $\pm$ 6.1	
<i>CAST</i>	Low mRNA expression	67.1 $\pm$ 9.9	0.002
	High mRNA expression	110.0 $\pm$ 4.9	
<i>CCDC6</i>	Low mRNA expression	72.9 $\pm$ 9.7	0.026
	High mRNA expression	104.1 $\pm$ 6.9	
<i>DMKN</i>	Low mRNA expression	76.7 $\pm$ 9.5	0.039
	High mRNA expression	100.7 $\pm$ 7.7	
<i>EGFR</i>	Low mRNA expression	60.2 $\pm$ 9.3	<0.001
	High mRNA expression	117.0 $\pm$ 2.1	
<i>TUFT1</i>	Low mRNA expression	72.0 $\pm$ 9.5	0.007
	High mRNA expression	105.5 $\pm$ 6.9	
<i>DSC3</i>	Low mRNA expression	67.0 $\pm$ 9.6	<0.001
	High mRNA expression	110.5 $\pm$ 5.3	
<i>PERP</i>	Low mRNA expression	74.1 $\pm$ 9.4	0.010
	High mRNA expression	103.4 $\pm$ 7.5	
<i>HOPX</i>	Low mRNA expression	78.2 $\pm$ 9.3	0.047
	High mRNA expression	99.3 $\pm$ 8.2	
<i>TM9SF3</i>	Low mRNA expression	70.5 $\pm$ 9.5	0.005
	High mRNA expression	106.6 $\pm$ 6.5	
<i>CLDN1</i>	Low mRNA expression	64.2 $\pm$ 9.5	<0.001
	High mRNA expression	112.9 $\pm$ 4.3	
<i>PTBP3</i>	Low mRNA expression	67.0 $\pm$ 9.6	<0.001
	High mRNA expression	110.4 $\pm$ 5.4	
<i>NR3C1</i>	Low mRNA expression	69.1 $\pm$ 10.1	0.013
	High mRNA expression	108.0 $\pm$ 5.3	
<i>RIOK3</i>	Low mRNA expression	72.9 $\pm$ 9.7	0.029
	High mRNA expression	104.1 $\pm$ 6.9	
<i>CXADR</i>	Low mRNA expression	63.8 $\pm$ 9.6	<0.001
	High mRNA expression	113.3 $\pm$ 4.0	
<i>SLK</i>	Low mRNA expression	69.2 $\pm$ 9.5	0.001
	High mRNA expression	108.3 $\pm$ 6.3	
<i>KRT5</i>	Low mRNA expression	72.5 $\pm$ 9.7	0.025
	High mRNA expression	104.6 $\pm$ 6.7	
<i>TACSTD2</i>	Low mRNA expression	76.7 $\pm$ 9.5	0.039
	High mRNA expression	100.7 $\pm$ 7.7	

<sup>†</sup>curves cross