

**Supplementary Table S1.** Characteristics of the melanoma patient-derived cell lines.

<b>Sample</b>	<b>Gender/Age</b>	<b>BRAF 7q34 *</b>	<b>NRAS 1p13.2 *</b>
<b>Controls</b>			
NMADL RMP32F	F/32		
NMADL RMP43F	F/43		
NMADL RMP53F	F/53		
<b>Melanoma</b>			
WW165	F/62	V600K/WT (AAG/GTG)	WT
YUBEL	F/75	WT	Q61K/WT AAA/CAA
YUBUNE	F/69	WT	Q61R/WT CGA/CAA
YUCAS	M/58	WT	WT
YUCHER	M/55	WT	Q61R CGA/CGA
YUCLAT	M/65	V600K (AAG/AAG)	WT
YUCOT	F/33	V600E (GAG/GAG)	WT
YUDOSO	M/84	WT	Q61K/WT AAA/CAA
YUFIC	M/65	WT	Q61R/WT CGA/CAA
YUGASP	F/88	WT	Q61L CTA/CTA
YUGEN8	F/44	V600E (GAG/GAG)	WT
YUGOE	M/55	WT	WT
YUHEF	M/52	WT	WT
YUHEIK	F/44	WT	WT
YUHOIN	F/59	WT	WT
YUHUY	M/64	V600E (GAG/GAG)	WT
YUKIM	F/71	WT	WT
YUKOLI	M/53	V600E/WT (GAG/GTG)	WT
YUKSI	M/62	V600K (AAG/AAG)	WT
YULAC	F/65	V600K (AAG/AAG)	WT
YULONE	F/79	WT	Q61K/WT CTA/CAA
YUMAC	M/52	V600K (AAG/AAG)	WT
YUMUT	M/44	V600E/WT (GTG/GAG)	WT
YUNIGE	M/59	WT	WT
YUPLA	M/69	WT	WT
YURIF	M/52	V600K (AAG/AAG)	WT
YUROB	F/76	WT	WT
YUROL	M/85	WT	WT
YUSAN	F/58	WT	WT
YUSIK	F/49	V600E/WT (GAG/GTG)	WT
YUSIV	F/61	WT	WT
YUSTE	F/65	V600E (GAG/GAG)	WT
YUTICA	M/65	WT	Q61R/WT CGA/CAA
YUWIM	57/M		
YULIN	48/M	WT	WT
YUDEW	68/F		
YUTHO	42/M		
<b>Acral</b>			
YUVON3	M/63	WT	WT
YUWERA	F/44	WT	WT
YUZOR	M/73	WT	WT
YUNUVO	M/64	WT	WT

YUGEK

F/60

WT

WT

\* presence of mutations highlighted in red

**KRAS-variant 3'UTR T/G \***      **Dead of Disease**      **Length of Survival Post Tumor Removal**

WT		
T/G		11.5 months (as of 8/13/2009)
	1/17/05	6 months
WT	6/1/04	41 months
WT	3/2/02	3 months
T/G		
WT		13.5 months (as of 8/13/09)
T/G	2/24/01	11 months
WT		
WT		
T/G		37 months (as of 8/21/09)
WT		13 months (as of 8/21/2009)
WT		96 months (as of 8/21/2009)
WT	6/20/02	4 months
T/G		25 months (as of 8/21/2009)
WT	12/12/07	19 months
WT	9/14/04	4 months
WT		33 months (as of 8/21/2009)
WT	9/29/02	5 months
WT		12 months (as of 8/21/2009)
WT	11/11/01	
WT	1/7/05	6 months
WT		13 months (as of 8/21/2009)
		17 months (as of 8/13/2009)
T/G		41 months (as of 8/13/2009)
WT	8/3/01	1 month
T/G	5/19/04	38 months
WT		
		29 months (as of 8/13/2009)
WT		3 months (as of 8/13/2009)
WT		27 months (as of 8/13/2009)
WT	1/25/05	2 weeks
WT		18 months (as of 8/13/2009)
		8.5 months (as of 8/13/2009)
T/G		
WT		
		24 months (as of 8/21/2009)
WT		14.5 months (as of 8/21/2009)
WT		29 months (as of 8/21/2009)
WT		8 months (as of 8/13/2009)

WT

18.5 months (as of 8/13/2009)