

Supplemental Table S1: Characterization of Melanoma cell lines.

Cell line	Patient			Known mutations in the cell line		Refs
	Stage	Sex	Localization of Tumor	Braf	Nras	
A375	IV	f	lymph node	V600E	unknown	(1)
MaMel-05	IV	f	abdomen	WT	Q61R	(2)
MaMel-13	IV	m	skin metastasis	unknown	unknown	(2)
MaMel-19	IV	f	skin metastasis	V600E	WT	(2)
MaMel-20	IV	f	skin metastasis	V600E	WT	(2)
MaMel-36	IV	m	skin metastasis	V600E	WT	(3)
MaMel-37b	IV	f	lymph node, groin	WT	Q61L	(2)
MaMel-51	IV	m	lymph node, groin	V600E	WT	(2)
MaMel-57	IV	m	lymph node, axilla	V600E	WT	(2)
MaMel-61e	IV	m	lung	unknown	unknown	(2)
MaMel-68	III	f	skin metastasis	unknown	unknown	(2)
MaMel-73a	IV	m	skin metastasis	WT	WT	(3)
MaMel-79b	IV	m	skin metastasis	WT	Q61K	(2)
MaMel-86b	IV	f	mediastinum	V600E	WT	(3)
MaMel-103b	IV	f	lymph node, axilla	WT	WT	(2)
UKRV-Mel-17	IV	m	skin metastasis	unknown	unknown	(2)
UKRV-Mel-21	III/IV	m	unknown	unknown	unknown	(2)
WM1341	?	?	primary melanoma	unknown	unknown	(4)
WM115	IV	f	primary tumor	V600D	unknown	(5)
WM266.4	IV	f	skin metastasis; same patient as WM115	unknown	unknown	(5)
WM98.1	?	?	primary tumor, SSM	unknown	unknown	(5)

WT = wildtype

References

1. Ruddon RW, Anderson C, Meade KS, Aldenderfer PH, Neuwald PD. Content of gonadotropins in cultured human malignant cells and effects of sodium butyrate treatment on gonadotropin secretion by HeLa cells. *Cancer Res* 1979;39(10):3885-92.
2. Bloethner S, Chen B, Hemminki K, Muller-Berghaus J, Ugurel S, Schadendorf D, et al. Effect of common B-RAF and N-RAS mutations on global gene expression in melanoma cell lines. *Carcinogenesis* 2005;26(7):1224-32.
3. Hoek KS, Schlegel NC, Brafford P, Sucker A, Ugurel S, Kumar R, et al. Metastatic potential of melanomas defined by specific gene expression profiles with no BRAF signature. *Pigment Cell Res* 2006;19(4):290-302.
4. Herlyn M. Human melanoma: development and progression. *Cancer Metastasis Rev* 1990;9(2):101-12.
5. Herlyn M, Thurin J, Balaban G, Bennicelli JL, Herlyn D, Elder DE, et al. Characteristics of cultured human melanocytes isolated from different stages of tumor progression. *Cancer Res* 1985;45(11 Pt 2):5670-6.