

Table SI. Brief description of the studied cell lines.

Cell line	Code	Type	Tissue	Age, months	Sex	Company
HEMn-LP	C-002-5C	Lightly pigmented melanocytes	Foreskin	Neonate	Male	Cascade Biologics, Inc.
HEMn-MP	C-102-5C	Moderately pigmented melanocytes	Foreskin	Neonate	Male	Cascade Biologics, Inc.
HEMn-DP	C-202-5C	Darkly pigmented melanocytes	Foreskin	Neonate	Male	Cascade Biologics, Inc.
A375	ATCC CRL-1619	Primary melanoma	Skin	54	Female	ATCC
MEL-Ho	ACC-62	Primary melanoma	Skin		Female	Innoprot S.L.
Sk-Mel-28	ATCC HTB-72	Primary melanoma	Skin	51	Male	ATCC
Sk-Mel-31	ATCC HTB-73	Primary melanoma	Skin	33	Female	ATCC
G-361	ATCC CRL-1424	Primary melanoma	Skin	31	Male	ATCC
ME4405	CVCL C680	Primary melanoma	Skin	83	Female	
Hs294t	ATCC HTB-140	Metastatic melanoma	Lymph node	56	Female	ATCC
RPMI 7951	ACC-76	Metastatic melanoma	Lymph node	18	Female	Innoprot S.L.
A2058	ATCC CRL-11147	Metastatic melanoma	Lymph node	43	Male	ATCC
Sk-Mel-3	ATCC HTB-69	Metastatic melanoma	Lymph node	42	Female	ATCC
COLO-800	ACC-193	Metastatic melanoma	Subcutaneous	14	Male	Innoprot S.L.
HT-144	ATCC HTB-63	Metastatic melanoma	Subcutaneous	29	Male	ATCC
WM-266-4	CRL-1676	Metastatic melanoma	Skin	55	Female	ATCC
Sk-Mel-2	ATCC HTB-68	Metastatic melanoma	Skin	60	Male	ATCC
VMM1	ATCC CRL-3225	Metastatic melanoma	Brain			ATCC