

#	Type	Cell lines used in this study	Cell lines used for C-MAP microarray profiling	BRAF mutation*	Flow cytometry	Immunohistochemistry**					Pro (r)	Inv (r)	EMT-Score***	CSC-Score***	MLANA-RQ****	INHBA-RQ****	17AAG_log(IC50)	AZD6244_log(IC50)	AZD0530_log(IC50)	10a-log(IC50)
					HMW-MAA (CSPG4)	HMB45 (gp100)	Melan A (MART-10)	S100	R-24 (GD2)											
1	Primary	M1	M1	V600					4+	0.03	0.672	1.133	0.851	-5.925	-1.634	-1.425	0.741	1.165	0.771	
2	Primary	M13	M13	V600					3+	0.279	0.495	0.224	2.027							
3	Primary	M133	M133	WT					4+	-0.175	0.571	-0.749	-10.024	1.117	-0.933	-1.410	1.158	1.386	-0.780	
4	Primary	M139	M139	V600				2+	4+	0.679	0.034	-0.568	0.674			0.536	-0.867	1.246		
5	Primary	M144	M144	WT						-0.109	0.554	-1.607	-10.529	0.008	-0.932				0.275	
6	Primary	M145	M145	WT					3+	-0.27	0.655	1.740	0.674							
7	Primary	M154	M154	V600					4+	0	-0.118	0.715	1.740	0.873						
8	Primary	M187	M187	WT				4+	4+	0.624	0.045	-2.503	1.352	-10.713	12.631				-0.144	
9	Primary	M189	M189	V600						0.588	0.234	-0.476	0.552	-9.606	6.619	0.350	-1.095	1.385	-0.646	
10	Primary	M193	M193	WT				0	3+	-0.259	0.608	1.740	0.738	1.647	-0.084	0.165	0.599	1.342	0.955	
11	Primary	M202	M202					4+	4+	0.533	0.162	-1.319	1.159							
12	Primary	M2025	M2025	WT				0%	70% 3+	-0.258	0.606	1.740	0.335	0.000	0.000	0.259	3.074	1.225	0.889	
13	Primary	M207	M207	WT				2+	3+	-0.261	0.715	1.740	-2.548							
14	Primary	M21	M21	WT	50%			4+	5%	0.435	0.479	0.033	1.831							
15	Primary	M217	M217	WT				1+	4+	0	-0.265	0.644	1.740	1.277						
16	Primary	M221	M221	WT				1+	4+	-0.268	0.682	1.740	0.140	0.821	0.292	-1.403	1.762	1.439	0.952	
17	Primary	M24	M24	WT	90%			4+	90%	0	0.633	0.044	-0.468	2.658	-6.025	7.545	-1.235	-0.593	1.484	0.321
18	Primary	M241new	M241new	WT				3+	4+	0.528	0.31	-1.296	3.028							
19	Primary	M299	M299	WT				0	80% 2+	0%	-0.27	0.651	1.740	1.803			0.897	3.243	1.295	
20	Primary	M307	M307	WT				80% 4+	90% 3+	0.611	0.099	-1.674	2.797	-12.499	7.934	0.468	-0.299	1.215	-1.033	
21	Primary	M332	M332					0%	0%	-0.268	0.672	1.740	0.798							
22	Primary	M336	M336	WT						-0.24	0.645	1.038	-1.587							
23	Primary	M34	M34	WT				1+	4+	-0.277	0.628	1.740	0.926	-0.128	-1.216				0.385	
24	Primary	M346	M346	V600				0%	100% 3+	-0.287	0.68	1.740	2.399							
25	Primary	M369	M369	V600				0%	100% 1+	0.518	0.341	-1.663	0.771							
26	Primary	M371	M371	V600				100% 3+	100% 4+	0.567	0.283	-1.316	2.547							
27	Primary	M425	M425	V600	100%			50% 3+	60% 4+	0.558	0.27	-1.246	2.234							
28	Primary	M433	M433	WT				80% 4+	70% 4+	0.208	0.581	-1.158	1.589	0.428	1.789	1.213	2.129	1.435	0.771	
29	Primary	M465	M465	WT				0%	0%	-0.213	0.649	1.300	-7.692							
30	Primary	M51	M51	V600				4+	4+	0.659	0.016	-4.520	1.679							
31	Primary	M517	M517	WT						-0.267	0.623	1.475	1.627							
32	Primary	M7	M7	WT	15%			4+	90%	0.601	0.074	-1.067	0.727	-11.602	7.945	0.954	0.686	1.607	0.687	
33	Primary	M77	M77	V600				1+	2+	0.327	0.483	0.971	1.014	-4.093	1.446				0.636	
34	Primary	M84	M84	WT				0	4+	-0.243	0.685	1.740	-1.836			-0.772	-0.270	1.215		
35	Primary	SHM20A2	SHM20A2					100% 1+	100% 3+	0.484	0.221	-5.365	-4.568	-12.687	7.352				-0.442	
36	Primary	SHM21.5	SHM21.5		98%			0	4.50%	0.186	0.531	-0.056	-0.294							
37	Commercial	624								0.895	-0.097			-2.008	6.467				0.806	
38	Commercial	A2058		V600						0.918	0.112			-9.133	8.355				0.930	
39	Commercial	G361		V600						0.864	-0.049			-5.224	8.922				0.701	
40	Commercial	MEWO		WT						0.900	-0.027				-11.461	7.128			1.192	
41	Commercial	SKMEL10		WT										-7.965	7.499				0.690	
42	Commercial	SKMEL28		V600						0.947	-0.082			0.791	-0.354				1.195	
43	Commercial	SKMEL5		V600						0.925	-0.119			-8.930	9.026				0.709	
44	Commercial	SKMEL9												-3.547	7.050				1.398	

* V600E or V600K mutations. Not known unless otherwise indicated.

** Staining intensity (from 0+ to 4+) and percent cells staining is shown

*** EMT-Score increases as cells are more mesenchymal

**** CSC-Score decreases as cells are more stem-cell-like

***** Relative quantity (q-RT-PCR)