

Supplementary Table 2. Relative protein expression of 84 cancer-related proteins in melanoma cell lines

Sl. No.	Positions of the Proteins on the Array	Proteins Name	WM278	WM278 OPN-siRNA	WM1617	WM1617 OPN-siRNA
	A1/A2	Reference spots	100	100	100	100
1	A3/A4	α-Fetoprotein	0	0	8.70	15.86
2	A5/A6	Amphiregulin	0	0	0	4.18
3	A7/A8	Angiopoietin-1	9.98	0	0	4.07
4	A9/A10	Angiopoietin-like 4	0	0	8.20	17.06
5	A11/A12	ENPP-2/Autotaxin	0	0	5.14	18.91
6	A13/A14	Axl	21.18	0	0	0
7	A15/A16	BCL-x	0	0	6.21	0
8	A17/A18	CA125/MUC16	0	0	0	0
9	A19/A20	E-Cadherin	0	0	0	0
10	A21/A22	VE-Cadherin	0	0	18.57	10.46
11	B3/B4	CapG	0	0	56.15	43.29
12	B5/B6	Carbonic Anhydrase IX	0	0	11.97	10.52
13	B7/B8	Cathepsin B	9.76	0	25.34	18.23
14	B9/B10	Cathepsin D	11.03	0	21.97	27.24
15	B11/B12	Cathepsin S	40.39	27.27	9.4	14.65
16	B13/B14	CEACAM-5	0	0	0	6.1
17	B15/B16	Decorin	0	0	0	5.24
18	B17/B18	Dkk-1	0	0	0	0
19	B19/B20	DLL1	0	0	4.83	9.58
20	B21/B22	EGFR/ErbB1	32.34	14.19	25.8	12.42
21	C3/C4	Endoglin/CD105	22.89	23.22	33.53	45.6
22	C5/C6	Endostatin	0	0	0	0
23	C7/C8	Enolase 2	75.83	31.06	67.93	96.61
24	C9/C10	eNOS	0	0	0	4.37
25	C11/C12	EpCAM/TROP1	0	0	0	3.12
26	C13/C14	ERα/NR3A1	0	0	0	0
27	C15/C16	ErbB2	12.12	0	4.36	14.4
28	C17/C18	ErbB3/Her3	10.06	0	9.82	11.01
29	C19/C20	ErbB4	0	0	0	4.96
30	C21/C22	FGF basic	33.02	6.36	8.89	13.77
31	D1/D2	FoxC2	0	0	0	0
32	D3/D4	FoxO1/FKHR	0	0	43.33	30.05
33	D5/D6	Galectin-3	63.83	12.9	82.67	88.84
34	D7/D8	GM-CSF	0	0	0	3.55
35	D9/D10	CG α/β (HCG)	0	0	13	8.8
36	D11/D12	HGF R/c-Met	0	0	0	0
37	D13/D14	HIF-1α	4.20	0	59.92	56.06
38	D15/D16	HNF-3β		0	0	4.63
39	D17/D18	HO-1/HMOX1	9.15	5.51	45.2	47.36
40	D19/D20	ICAM-1/CD54	14.56	4.89	38.85	37.7
41	D21/D22	IL-2 Rα	0	0	0	0
42	D23/D24	IL-6	0	3.62	0	8.23
43	E1/E2	CXCL8/IL-8	34.09	46.58	0	0
44	E3/E4	IL-18 BPa	0	0	0	4.18
45	E5/E6	Kallikrein 3/PSA	0	0	0	4.81
46	E7/E8	Kallikrein 5	0	0	0	0
47	E9/E10	Kallikrien 6	0	0	0	0
48	E11/E12	Leptin	0	0	0	0
49	E13/E14	Lumican	0	0	0	0

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50	E15/E16	CCL2/MCP-1	96.97	14.32	0	0
51	E17/E18	CCL8/MCP-2	0	0	0	5.03
52	E19/E20	CCL7/MCP-3	0	0	0	0
53	E21/E22	M-CSF	0	0	0	11.83
54	E23/E24	Mesothelin	0	0	0	9.56
55	F1/F2	CCL3/MIP-1 α	0	0	0	0
56	F3/F4	CCL20/MIP-3 α	0	0	0	3.63
57	F5/F6	MMP-2	0	0	0	3.77
58	F7/F8	MMP-3	0	5.13	0	10.13
59	F9/F10	MMP-9	0	0	0	0
60	F11/F12	MSP/MST1	0	0	0	4.06
61	F13/F14	MUC-1	0	0	0	4.26
62	F15/F16	Nectin-4	0	0	0	4.07
63	F17/F18	Osteopontin (OPN)	78.09	41.58	48.9	30.72
64	F19/F20	p27/Kip1	0	0	22.07	12.24
65	F21/F22	p53	15.15	10.87	89.85	57.03
66	F23/F24	PDGF-AA	12.67	0	0	6.78
67	G1/G2	CD31/PECAM-1	0	0	0	0
68	G3/G4	Progesterone R/NR3C3	0	0	0	0
69	G5/G6	Progranulin	23.81	11.17	44.49	34.95
70	G7/G8	Prolactin	0	0	0	7.37
71	G9/G10	Prostasin/Prss8	0	0	0	0
72	G11/G12	E-Selectin/CD62E	0	0	0	0
73	G13/G14	Serpin B5/Maspin	0	0	0	0
74	G15/G16	Serpin E1/PAI-1	0	0	0	5.94
75	G17/G18	Snail	27.51	16.16	37.31	33.77
76	G19/G20	SPARC	15.04	7.98	41.63	31.95
77	G21/G22	Survivin	33.94	0	90.78	49.76
78	G23/G24	Tenascin C	47.84	32.16	66.78	21.15
79	H1/H2	Thrombospondin-1	0	0	0	0
80	H3/H4	Tie-2	0	0	0	5.18
81	H5/H6	u-Plasminogen Activator/Urokinase	0	0	0	4.4
82	H7/H8	VCAM-1/CD106	0	0	0	3.7
83	H9/H10	VEGF	0	0	0	2.77
84	H11/H12	Vimentin	16.77	25.68	31.25	31.06