

Transcriptomic identification of miR-205 target genes potentially involved in metastasis and survival of cutaneous malignant melanoma.

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Supplementary Results

Transcript ID	Gene Symbol	RefSeq	p value (MIR-205 vs C)	Fold Change (MIR-205 vs C)
16761012	A2M	NM_000014	6.27E-05	-2.50
16981444	AADAT	NM_001286683	5.15E-05	1.32
16865112	AC008440.10	OTTHUMT00000313724	1.73E-05	1.32
16755602	ACTR6	ENST00000549977	1.41E-04	-1.08
16804478	AEN	XM_005254967	1.34E-04	1.21
16668439	AHCYL1	NM_001242673	7.29E-05	-1.23
16769481	ALDH1L2	NM_001034173	2.31E-04	-2.14
17076634	ANK1	NM_000037	4.17E-05	-1.24
16714618	ANK3	NM_001149	1.15E-05	-1.27
16979638	ANKRD50	NM_020337	1.13E-04	1.20
17084363	ANXA2P2	NR_003573	1.19E-05	1.18
16988174	AP3S1	ENST00000316788	1.52E-06	1.58
16967853	AREG	NM_001657	6.16E-05	1.42
16705199	ARID5B	NM_001244638	1.23E-04	-1.31
17048859	ARPC1A	NM_001190996	2.30E-04	1.15
16683317	ASAP3	NM_001143778	1.45E-04	-1.61
16832852	ATAD5	NM_024857	1.84E-04	1.27
16930299	ATF4	NM_001675	1.83E-04	-1.27
17009853	BAG2	NM_004282	1.23E-04	1.42
16725783	BEST1	ENST00000524877	2.26E-05	-1.79
16705089	BICC1	NM_001080512	5.46E-07	-1.92
16825468	BOLA2	NM_001031827	1.62E-04	1.22
16825683	BOLA2	NM_001031827	1.62E-04	1.22
16899086	BOLA3	NM_212552	1.51E-04	1.28
16847432	BRIP1	NM_032043	1.14E-04	1.33
16911463	BTBD3	NM_014962	1.60E-04	-1.40
16680935	C1orf174	NM_207356	1.62E-04	1.38
16781002	CARS2	NM_024537	7.16E-05	1.29
16800374	CASC4	NM_138423	1.42E-04	-1.34
17052776	CASP2	NM_001224	1.80E-04	1.35
16926111	CBS	NM_001178008	1.07E-04	-1.58
16852966	CCDC102B	NM_001093729	2.50E-04	-1.35
16958083	CCDC58	NM_001017928	8.74E-05	1.20
16953279	CDC25A	NM_001789	1.10E-04	1.61
16877762	CENPO	ENST00000380834	5.79E-05	1.29
16978976	CFI	NM_000204	1.64E-05	-1.35
16733104	CHEK1	NM_001114121	3.66E-05	1.17
16815828	CIITA	NM_000246	2.09E-04	-1.22
17032027	CLIC1	NM_001288	2.46E-04	1.13

17036745	CLIC1	NM_001288	1.29E-04	1.13
17039540	CLIC1	NM_001288	1.29E-04	1.13
17042023	CLIC1	NM_001288	1.29E-04	1.13
17034497	CLIC1	NM_001288	8.81E-05	1.15
16827123	CMTM4	NM_178818	1.68E-06	-1.71
17051553	CPA4	NM_001163446	1.38E-05	3.62
16984182	CTD-2116N24.1	OTTHUMT00000367332	1.95E-04	-1.38
17109367	CTPS2	NM_001144002	6.56E-06	-1.22
16940705	DAG1	NM_001165928	2.03E-04	1.20
16825794	DCTPP1	NM_024096	3.26E-06	1.50
16869624	DDX39A	NM_005804	2.81E-05	1.35
16927174	DGCR8	NM_001190326	3.15E-06	1.63
16687618	DHCR24	NM_014762	1.22E-04	1.22
16974873	DHX15	NM_001358	8.70E-07	1.22
16909081	DOCK10	NM_001290263	2.07E-04	1.30
16867378	DPP9	NM_139159	7.80E-05	1.31
17075973	DUSP4	NM_057158	9.14E-05	1.37
17121122	DUXAP10	NR_110526	1.18E-04	1.27
17111725	EDA2R	NM_001199687	2.56E-06	1.26
16681370	ENO1	NM_001201483	1.95E-04	1.24
17080516	ENPP2	NM_001040092	1.30E-04	-2.11
16682098	EPHA2	XM_005245751	1.37E-04	1.30
17000305	FAM13B	NM_016603	4.36E-05	1.42
16937505	FANCD2	NM_001018115	1.62E-04	1.23
16917061	FERMT1	NM_017671	1.19E-05	1.45
17124708	FKBP9	NM_001284341	1.34E-04	-1.29
17013014	FLJ46906	NR_033896	6.85E-06	-1.90
16863287	FOSB	NM_001114171	4.02E-06	-1.69
16957884	FSTL1	NM_007085	7.53E-05	-1.29
16884062	GCC2	NM_181453	2.05E-04	-1.55
16912192	GIN51	NM_021067	1.57E-04	1.33
17112769	GLA	NM_000169	1.44E-04	1.27
17092268	GLDC	NM_000170	1.83E-04	-1.46
17005396	GMNN	NM_001251989	1.30E-04	1.60
16686510	GPBP1L1	NM_021639	1.10E-04	1.11
16860709	GPI	NM_000175	9.04E-07	1.23
17019778	GPR110	ENST00000419892	1.31E-05	2.57
16847321	HEATR6	NM_022070	9.12E-05	-1.15
16707695	HELLS	NM_001289067	1.38E-04	1.44
17012304	HEY2	NM_012259	2.19E-04	-2.23
17016366	HIST1H2AB	NM_003513	2.09E-05	1.53
16685935	HIVEP3	NM_001127714	1.03E-04	1.20
17032519	HLA-DOA	NM_002119	1.70E-04	-1.85
17034837	HLA-DOA	NM_002119	1.70E-04	-1.85

17018025	HLA-DOA	NM_002119	1.68E-04	-1.80
17037317	HLA-DOA	NM_002119	1.68E-04	-1.80
17042534	HLA-DOA	ENST00000426685	1.48E-05	-1.78
17040023	HLA-DOA	ENST00000383226	1.11E-04	-1.77
17033704	HLA-DPB1	NM_002121	1.68E-04	-1.33
17038687	HLA-DPB1	NM_002121	2.49E-04	-1.32
17028326	HLA-DQA1	ENST00000383251	1.05E-04	-1.51
17041240	HLA-DQA1	ENST00000418023	3.35E-05	-1.49
17038609	HLA-DQA1	ENST00000383251	6.65E-05	-1.48
17031153	HLA-DQA1	ENST00000461508	1.10E-06	-1.46
17033617	HLA-DQA1	ENST00000474698	7.00E-06	-1.44
17028345	HLA-DQA2	NM_020056	7.07E-05	-1.42
17031178	HLA-DQA2	NM_020056	5.36E-05	-1.39
17033646	HLA-DQA2	NM_020056	1.33E-05	-1.38
17035918	HLA-DQA2	ENST00000241802	1.74E-04	-1.37
17038629	HLA-DQA2	ENST00000241802	2.48E-05	-1.36
17034749	HLA-DQB2	ENST00000323109	8.74E-05	-1.29
17039935	HLA-DQB2	ENST00000323109	8.74E-05	-1.29
17095318	HNRNPK	NM_002140	1.69E-05	1.10
16777896	HSPH1	NM_001286503	3.09E-05	1.29
16720085	IFITM1	NM_003641	2.00E-04	-1.47
16728652	INPPL1	NM_001567	8.66E-05	-1.63
16694716	ISG20L2	NM_030980	1.23E-05	1.36
16984689	ITGA2	NM_002203	8.76E-07	1.74
16887702	ITGA6	NM_000210	1.76E-06	1.34
17111484	ITIH6	NM_198510	1.12E-04	-1.94
16938271	KAT2B	NM_003884	2.31E-06	-1.59
17094761	KLF9	NM_001206	1.65E-04	-1.58
16764791	KRT80	NM_182507	1.28E-04	1.80
16802461	LINC00277	NR_026949	1.33E-04	1.29
17121126	LINC01296	NR_122111	1.47E-05	1.29
16671914	LMNA	NM_001257374	1.27E-05	1.32
16760981	M6PR	ENST00000541507	1.91E-04	1.14
16702571	MCM10	NM_018518	2.17E-04	1.48
17068782	MCM4	NM_005914	1.18E-05	1.27
16988728	MEGF10	NM_001256545	2.90E-06	3.28
17125550	MFN1	NM_033540	1.54E-04	-1.12
16676954	MIR205HG	NM_001104548	2.94E-05	2.33
17118868	MIR614	NR_030345	3.72E-05	1.59
17101677	MOSPD2	NM_152581	1.80E-04	-1.28
16991447	MRPL22	NM_001014990	2.01E-04	1.06
16861907	MRPS12	NM_021107	9.49E-05	1.28
16951097	MRPS25	NM_022497	3.63E-05	1.19
16739317	MTA2	NM_004739	9.50E-05	1.20

17083975	MTAP	NM_002451	2.53E-04	-1.23
16720601	MUC5B	NM_002458	2.38E-04	1.28
16716590	MYOF	NM_013451	9.43E-05	1.24
16856910	NCLN	NM_020170	9.72E-05	1.22
16919769	NCOA5	NM_020967	4.38E-05	1.43
16928824	NF2	NM_000268	7.90E-06	1.30
16920315	NFATC2	NM_001136021	8.13E-05	-1.32
17003479	NHP2	NM_001034833	1.85E-05	1.26
16660785	NIPAL3	XM_005245948	1.36E-04	-1.36
16836131	NME1	NM_000269	4.58E-05	1.19
16910825	NOP56	NR_027700	1.96E-04	1.32
16713187	NRP1	NM_001024628	1.44E-06	1.67
17090444	NUP214	NM_005085	1.67E-04	1.12
16818600	ORC6	NM_014321	1.09E-04	1.48
16790032	OSGEP	NM_017807	1.30E-04	1.50
16732850	PANX3	NM_052959	1.70E-04	-1.40
16979339	PDE5A	NM_001083	1.74E-04	1.94
17070926	PDP1	NM_001161779	1.70E-04	1.43
16960442	PFN2	NM_053024	2.27E-05	1.26
16759604	PGAM5	NM_001170543	2.71E-05	1.24
16737669	PHF21A	NM_001101802	9.21E-05	-1.40
16890602	PKI55	NR_037701	9.26E-05	1.23
16811372	PKM	NM_001206796	3.45E-05	1.23
17019728	PLA2G7	NM_001168357	2.40E-04	1.44
17062985	PODXL	NM_001018111	1.07E-04	-1.42
16830488	POLR2A	NM_000937	4.50E-05	1.35
16725935	POLR2G	ENST00000525455	2.29E-04	1.32
16895848	PPM1G	NM_177983	8.64E-07	1.13
16708533	PPRC1	NM_001288727	2.22E-04	1.21
16820414	PRMT7	NM_001184824	1.46E-04	1.28
17123310	PROS1	NM_000313	5.00E-05	-1.37
17123308	PROSP	ENST00000474651	4.67E-05	-1.42
16920910	PSMA7	NM_002792	9.46E-05	1.20
16762661	PTHLH	NM_002820	1.31E-04	1.46
17057378	PURB	NM_033224	2.70E-05	1.33
17092252	RANBP6	NM_001243202	1.53E-04	1.26
17098103	RBM18	NM_033117	7.34E-05	1.04
16669830	RBM8A	NM_005105	8.07E-05	1.29
16938527	RBMS3	NM_001003792	9.95E-05	-1.66
17070013	RDH10	NM_172037	6.48E-05	1.52
16813062	RLBP1	NM_000326	3.31E-05	1.86
16829972	RNF167	NM_015528	5.50E-05	1.22
16842991	RNU6-711P	ENST00000517255	7.67E-05	-1.23
16783439	RP11-317N8.3	OTTHUMT00000409613	4.17E-05	1.19

17121244	RP11-492D6.3	OTTHUMT00000414653	1.92E-04	-1.35
17094042	RP11-613M10.9	OTTHUMT00000401856	1.22E-04	-1.24
17110369	RP6-99M1.2	OTTHUMT00000467765	4.77E-05	2.16
16822919	RPS2	ENST00000531065	6.16E-05	1.49
17092737	RPS6	NM_001010	1.26E-04	1.09
16890915	RQCD1	NM_001271634	1.60E-05	1.36
17069545	RRS1	NM_015169	1.65E-04	1.20
16861734	RYR1	NM_000540	1.16E-05	-1.15
17087498	SEC61B	NM_006808	1.33E-04	1.22
16934012	SELM	NM_080430	1.02E-04	-1.21
16811638	SEMA7A	NM_001146029	1.20E-05	-1.50
16787902	SERPINA3	NM_001085	1.10E-04	-1.42
16906000	SESTD1	NM_178123	8.54E-05	-1.40
16695769	SH2D1B	ENST00000493550	9.72E-05	2.56
16826160	SHCBP1	NM_024745	1.46E-04	1.26
17056072	SKAP2	NM_003930	1.20E-04	-1.31
16984032	SKP2	NM_001243120	7.14E-05	1.41
17059974	SLC25A13	NM_001160210	7.54E-05	1.14
16846476	SLC35B1	ENST00000240333	2.31E-04	1.20
16732985	SLC37A2	NM_001145290	1.89E-04	1.47
16996605	SMIM15	NM_001048249	1.33E-04	1.12
16914741	SNORD12C	ENST00000386307	1.66E-04	1.56
16696533	SNORD75	NR_003941	1.76E-04	1.76
16911605	SNRPB2	NM_003092	8.01E-06	-1.22
16868838	SPC24	NM_182513	1.41E-04	1.40
17111594	SPIN4	NM_001012968	8.27E-06	1.31
17110071	SRPX	NM_001170750	6.19E-05	-1.17
16876310	SRSF10	NM_001191005	4.92E-05	1.28
17075553	STC1	NM_003155	3.59E-05	1.36
16726224	STIP1	NM_001282652	1.21E-04	1.17
16683644	SYF2	NM_015484	1.53E-04	-1.19
16699590	TAF1A	NM_001201536	5.73E-05	1.40
16677304	TATDN3	NM_001042552	1.61E-04	-1.32
16943284	TBC1D23	NM_001199198	2.46E-04	1.07
16898872	TEX261	NM_144582	1.77E-04	1.27
16701407	TFB2M	NM_022366	1.51E-04	1.21
16776905	TFDP1	NR_026580	7.30E-05	1.32
17059828	TFPI2	NM_001271003	5.00E-05	1.50
16963241	TFRC	NM_001128148	6.15E-05	2.25
17069045	TGS1	NM_024831	1.09E-05	1.20
16799315	THBS1	NM_003246	1.43E-04	1.62
16804631	TICRR	NM_152259	1.70E-04	1.28
17088527	TLR4	NM_003266	3.69E-05	1.25
17009620	TMEM14A	NM_014051	2.34E-04	1.31

16917114	TMX4	ENST00000246024	8.49E-05	1.40
16846734	TOB1	NM_001243877	1.03E-04	-1.22
16935427	TOB2	NM_016272	6.38E-05	-1.16
16930093	TOMM22	NM_020243	7.51E-05	1.24
16737543	TP53I11	NM_001258320	2.14E-04	-1.39
16859253	TPM4	NM_001145160	4.78E-05	-1.15
16732088	TRAPPC4	ENST00000359005	2.43E-05	1.30
16943404	TRMT10C	NM_017819	1.97E-04	1.29
16917030	TRMT6	NM_015939	2.09E-04	1.27
17080342	TRPS1	NM_001282903	1.06E-04	-1.23
16831388	TTC19	NM_001271420	1.88E-07	-1.25
17097052	TXN	NM_003329	1.61E-04	1.21
16865737	U2AF2	NM_001012478	5.82E-05	1.23
16731822	UBE4A	NM_001204077	5.29E-05	-1.21
16807996	UBR1	NM_174916	1.54E-04	-1.19
16953454	UCN2	NM_033199	1.86E-04	-1.57
16932300	UFD1L	NM_001035247	5.88E-06	1.48
16857258	UHRF1	NM_001048201	1.86E-05	1.47
16760257	VWF	NM_000552	6.95E-05	-1.22
16974280	WDR1	NM_005112	1.89E-04	1.15
16861318	WDR62	NM_001083961	3.15E-05	1.27
17045656	YKT6	NM_006555	1.39E-05	1.22
17084936	ZCCHC7	NM_001289119	1.99E-04	-1.27
17098900	ZDHHC12	NM_032799	1.49E-04	1.23
16861997	ZFP36	NM_003407	2.44E-04	-1.46
16706463	ZMIZ1	NM_020338	5.81E-05	1.13
17050361	ZNF277	NM_021994	9.08E-07	-1.32
16939934	ZNF35	NM_003420	2.35E-04	1.20

Supplementary Table 1. Differentially expressed transcripts resulting from the comparison between overexpressing miR-205 cells and controls in A375 cells derived from an analysis of variance (FDR <0.05). Out of 243 transcripts, 152 were up-regulated (positive fold change) and 91 were downregulated (negative fold change).