Supplementary Table 1. List of primers used for real-time PCR analysis

Gene Symbol	Forward (5' -> 3')	Reverse (5' -> 3')
FGFRL1	acacagccctccaagatgag	gcaggttcttcaggctcagt
NDUFA4	agcttgatccccctctttgt	ctggacgttccttcttcagc
GPR177	aggcatctatgggatgtgga	ggaatatttcgaagcgctga
LRP5L	ctcaaagctgtgaacgtgga	gcggctctactggtgaagac
GAPDH	gagtcaacggatttggtcgt	ttgattttggagggatctcg

Supplementary Table 2. The list represents 222 genes decreased by more than five-fold in miR-210-tansfected cells compared with ncRNA-tansfected cells				
Gene Symbol	**description**	**ncRNA**	**miR-210**	**Log_2(ratio)**
IGHG3	Immunoglobulin heavy chain C gene segment [Source:IMGT/GENE-DB;Acc:IGHG3]	41	1	-5.36
CYB5R3	NADH-cytochrome b5 reductase (EC 1.6.2.2) (B5R) (Diaphorase-1) (Cytochrome b5 reductase 3) [Contains: NADH-cytochrome b5 reductase membrane-bound form; NADH-cytochrome b5 reductase soluble form]. [Source:Uniprot/SWISSPROT;Acc:P00387]	40	1	-5.32
FAM19A4	[Source:Uniprot/SWISSPROT;Acc:Q96LR4]	39	1	-5.29
COBL	Protein cordon-bleu. [Source:Uniprot/SWISSPROT;Acc:O75128]	37	1	-5.21
BST2	Bone marrow stromal antigen 2 precursor (BST-2) (CD317 antigen) (HM1.24 antigen). [Source:Uniprot/SWISSPROT;Acc:Q10589]	35	1	-5.13
ONCO_HUMAN	Oncomodulin (OM) (Parvalbumin beta). [Source:Uniprot/SWISSPROT;Acc:P32930]	35	1	-5.13
POU3F1	POU domain, class 3, transcription factor 1 (Octamer-binding transcription factor 6) (Oct-6) (POU domain transcription factor SCIP). [Source:Uniprot/SWISSPROT;Acc:Q03052]	35	1	-5.13
PTPRT	Receptor-type tyrosine-protein phosphatase T precursor (EC 3.1.3.48) (R-PTP-T) (RPTP-rho). [Source:Uniprot/SWISSPROT;Acc:O14522]	34	1	-5.09
PROM1	Prominin-1 precursor (Prominin-like protein 1) (Antigen AC133) (CD133 antigen). [Source:Uniprot/SWISSPROT;Acc:O43490]	33	1	-5.04
ARTS1_HUMAN	(Aminopeptidase PILS) (Puromycin-insensitive leucyl- specific aminopeptidase) (PILS-AP) (Type 1 tumor necrosis factor receptor shedding aminopeptidase regulator). [Source:Uniprot/SWISSPROT;Acc:Q9NZ08]	29	1	-4.86
Q96I54_HUMAN	-	28	1	-4.81
CALN1	Calneuron-1 (Calcium-binding protein CaBP8). [Source:Uniprot/SWISSPROT;Acc:Q9BXU9]	28	1	-4.81
UGT2B4	UDP-glucuronosyltransferase 2B4 precursor (EC 2.4.1.17) (UDPGT) (Hyodeoxycholic acid) (HLUG25) (UDPGTh-1). [Source:Uniprot/SWISSPROT;Acc:P06133]	27	1	-4.75
GABRB1	Gamma-aminobutyric-acid receptor subunit beta-1 precursor (GABA(A) receptor subunit beta-1). [Source:Uniprot/SWISSPROT;Acc:P18505]	26	1	-4.7
DFFB	DNA fragmentation factor subunit beta (EC 3.-.-.-) (DNA fragmentation factor 40 kDa subunit) (DFF-40) (Caspase-activated deoxyribonuclease) (Caspase-activated DNase) (CAD) (Caspase-activated nuclease) (CPAN). [Source:Uniprot/SWISSPROT;Acc:O76075]	26	1	-4.7
GABRD	Gamma-aminobutyric-acid receptor subunit delta precursor (GABA(A) receptor subunit delta). [Source:Uniprot/SWISSPROT;Acc:O14764]	26	1	-4.7
Q5JV89_HUMAN	-	25	1	-4.64
MANEAL	mannosidase, endo-alpha-like isoform 2 [Source:RefSeq_peptide;Acc:NP_689709]	25	1	-4.64
MEGF6	Multiple epidermal growth factor-like domains 6 precursor (EGF-like domain-containing protein 3) (Multiple EGF-like domain protein 3). [Source:Uniprot/SWISSPROT;Acc:O75095]	24	1	-4.58
TIMP4	Metalloproteinase inhibitor 4 precursor (TIMP-4) (Tissue inhibitor of metalloproteinases 4). [Source:Uniprot/SWISSPROT;Acc:Q99727]	23	1	-4.52
TNFAIP6	Tumor necrosis factor-inducible protein TSG-6 precursor (TNF- stimulated gene 6 protein) (Hyaluronate-binding protein). [Source:Uniprot/SWISSPROT;Acc:P98066]	23	1	-4.52
IL24	Interleukin-24 precursor (Suppression of tumorigenicity 16 protein) (Melanoma differentiation-associated gene 7 protein) (MDA-7). [Source:Uniprot/SWISSPROT;Acc:Q13007]	23	1	-4.52
Q8NHA6_HUMAN	Seven transmembrane helix receptor. [Source:Uniprot/SPTREMBL;Acc:Q8NHA6]	23	1	-4.52
PDE1B	Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1B (EC 3.1.4.17) (Cam-PDE 1B) (63 kDa Cam-PDE). [Source:Uniprot/SWISSPROT;Acc:Q01064]	23	1	-4.52
EHBP1L1	Signal-induced proliferation-associated protein 1 (Sipa-1) (GTPase- activating protein Spa-1) (p130 SPA-1). [Source:Uniprot/SWISSPROT;Acc:Q96FS4]	22	1	-4.46
C14orf174	C14orf174 protein. [Source:Uniprot/SPTREMBL;Acc:Q2M3P3]	43	2	-4.43
PLEKHG1	[Source:Uniprot/SWISSPROT;Acc:Q9ULL1]	21	1	-4.39
ASTN1	Astrotactin-1 precursor. [Source:Uniprot/SWISSPROT;Acc:O14525]	20	1	-4.32
PSG1	Pregnancy-specific beta-1-glycoprotein 1 precursor (PSBG-1) (Pregnancy-specific beta-1 glycoprotein C/D) (PS-beta-C/D) (Fetal liver non-specific cross-reactive antigen 1/2) (FL-NCA-1/2) (PSG95) (CD66f antigen). [Source:Uniprot/SWISSPROT;Acc:P11464]	20	1	-4.32
SLC6A20	Sodium- and chloride-dependent transporter XTRP3 (Solute carrier family 6 member 20) (Neurotransmitter transporter rB21A homolog). [Source:Uniprot/SWISSPROT;Acc:Q9NP91]	20	1	-4.32
LRRN1	Leucine-rich repeat neuronal protein 1 precursor (Neuronal leucine- rich repeat protein 1) (NLRR-1). [Source:Uniprot/SWISSPROT;Acc:Q6UXK5]	39	2	-4.29
IFT57	estrogen-related receptor beta like 1 [Source:RefSeq_peptide;Acc:NP_060480]	19	1	-4.25
Q96LL3_HUMAN	CDNA FLJ25404 fis, clone TST02888 (Hypothetical protein FLJ25404). [Source:Uniprot/SPTREMBL;Acc:Q96LL3]	19	1	-4.25
COCH	Cochlin precursor (COCH-5B2). [Source:Uniprot/SWISSPROT;Acc:O43405]	19	1	-4.25
NP_683701.2	GREB1 protein isoform b [Source:RefSeq_peptide;Acc:NP_149081]	19	1	-4.25
Q8NAW6_HUMAN	CDNA FLJ34651 fis, clone KIDNE2018167. [Source:Uniprot/SPTREMBL;Acc:Q8NAW6]	19	1	-4.25
TAF6L	TAF6-like RNA polymerase II p300/CBP-associated factor-associated factor 65 kDa subunit 6L (PCAF-associated factor 65 alpha) (PAF65- alpha). [Source:Uniprot/SWISSPROT;Acc:Q9Y6J9]	18	1	-4.17
TMPRSS12	transmembrane protease, serine 12 [Source:RefSeq_peptide;Acc:NP_872365]	18	1	-4.17
Q8NAT4_HUMAN	CDNA FLJ34815 fis, clone NT2NE2007786. [Source:Uniprot/SPTREMBL;Acc:Q8NAT4]	17	1	-4.09
SLC12A3	Solute carrier family 12 member 3 (Thiazide-sensitive sodium-chloride cotransporter) (Na-Cl symporter). [Source:Uniprot/SWISSPROT;Acc:P55017]	17	1	-4.09
CDON	Cell adhesion molecule-related/down-regulated by oncogenes precursor. [Source:Uniprot/SWISSPROT;Acc:Q4KMG0]	17	1	-4.09
SGCG	Gamma-sarcoglycan (Gamma-SG) (35 kDa dystrophin-associated glycoprotein) (35DAG). [Source:Uniprot/SWISSPROT;Acc:Q13326]	17	1	-4.09
DCDC2	[Source:Uniprot/SWISSPROT;Acc:Q9UHG0]	17	1	-4.09

Supplementary Table 2. The list represents 222 genes decreased by more than five-fold in miR-210-tansfected cells compared with ncRNA-tansfected cells				
Gene Symbol	**description**	**ncRNA**	**miR-210**	**Log_2(ratio)**
PTF1A	Pancreas transcription factor 1 subunit alpha (Pancreas-specific transcription factor 1a) (bHLH transcription factor p48) (p48 DNA- binding subunit of transcription factor PTF1) (PTF1-p48). [Source:Uniprot/SWISSPROT;Acc:Q7RTS3]	34	2	-4.09
IGSF5	IGSF5 protein (Fragment). [Source:Uniprot/SPTREMBL;Acc:Q9NSI5]	17	1	-4.09
TECTA	Alpha-tectorin precursor. [Source:Uniprot/SWISSPROT;Acc:O75443]	17	1	-4.09
LRTM2	Leucine-rich repeat and transmembrane domain-containing protein 2 precursor. [Source:Uniprot/SWISSPROT;Acc:Q8N967]	16	1	-4
MYT1L	Myelin transcription factor 1-like protein (MyT1L protein) (MyT1-L). [Source:Uniprot/SWISSPROT;Acc:Q9UL68]	16	1	-4
Q9H5H6_HUMAN	CDNA: FLJ23429 fis, clone HRC10578. [Source:Uniprot/SPTREMBL;Acc:Q9H5H6]	16	1	-4
LIX1	Protein limb expression 1 homolog. [Source:Uniprot/SWISSPROT;Acc:Q8N485]	32	2	-4
FSTL5	Follistatin-related protein 5 precursor (Follistatin-like 5). [Source:Uniprot/SWISSPROT;Acc:Q8N475]	16	1	-4
SEMG2	Semenogelin-2 precursor (Semenogelin II) (SGII). [Source:Uniprot/SWISSPROT;Acc:Q02383]	15	1	-3.91
Q16653-6	[Source:RefSeq_peptide;Acc:NP_996536]	15	1	-3.91
Q4VXH5_HUMAN	XAGE-4 protein (Fragment). [Source:Uniprot/SPTREMBL;Acc:Q8WWM0]	15	1	-3.91
SERPINA2	Alpha-1-antitrypsin-related protein precursor. [Source:Uniprot/SWISSPROT;Acc:P20848]	15	1	-3.91
GSDMDC1	Gasdermin domain-containing protein 1. [Source:Uniprot/SWISSPROT;Acc:P57764]	15	1	-3.91
Q8TBU5_HUMAN	-	14	1	-3.81
ZNF83	Zinc finger protein 83 (Zinc finger protein HPF1). [Source:Uniprot/SWISSPROT;Acc:P51522]	14	1	-3.81
REG1A	Lithostathine 1 alpha precursor (Pancreatic stone protein) (PSP) (Pancreatic thread protein) (PTP) (Islet of Langerhans regenerating protein) (REG) (Regenerating protein I alpha) (Islet cells regeneration factor) (ICRF). [Source:Uniprot/SWISSPROT;Acc:P05451]	14	1	-3.81
GRIP1	[Source:Uniprot/SWISSPROT;Acc:Q9Y3R0]	28	2	-3.81
FGFRL1	Fibroblast growth factor receptor-like 1 precursor (FGF receptor-like protein 1) (Fibroblast growth factor receptor 5) (FGFR-like protein) (FGF homologous factor receptor). [Source:Uniprot/SWISSPROT;Acc:Q8N441]	277	21	-3.72
SHBG	Sex hormone-binding globulin precursor (SHBG) (Sex steroid-binding protein) (SBP) (Testis-specific androgen-binding protein) (ABP) (Testosterone-estrogen-binding globulin) (Testosterone-estradiol-binding globulin) (TeBG). [Source:Uniprot/SWISSPROT;Acc:P04278]	13	1	-3.7
PPIL2	Peptidyl-prolyl cis-trans isomerase-like 2 (EC 5.2.1.8) (PPIase) (Rotamase) (Cyclophilin-60) (Cyclophilin-like protein Cyp-60). [Source:Uniprot/SWISSPROT;Acc:Q13356]	13	1	-3.7
IGSF21	Immunoglobulin superfamily member 21 precursor. [Source:Uniprot/SWISSPROT;Acc:Q96ID5]	26	2	-3.7
IL21	Interleukin-21 precursor (IL-21) (Za11). [Source:Uniprot/SWISSPROT;Acc:Q9HBE4]	13	1	-3.7
CLIC6	Chloride intracellular channel 6. [Source:Uniprot/SWISSPROT;Acc:Q96NY7]	13	1	-3.7
SLITRK2	SLIT and NTRK-like protein 2 precursor. [Source:Uniprot/SWISSPROT;Acc:Q9H156]	12	1	-3.58
RIMS1	Regulating synaptic membrane exocytosis protein 1 (Rab3-interacting molecule 1) (RIM 1). [Source:Uniprot/SWISSPROT;Acc:Q86UR5]	12	1	-3.58
LAYN	Layilin precursor. [Source:Uniprot/SWISSPROT;Acc:Q6UX15]	12	1	-3.58
ASB17	Ankyrin repeat and SOCS box protein 17 (ASB-17). [Source:Uniprot/SWISSPROT;Acc:Q8WXJ9]	12	1	-3.58
RAD21L1	Syntaphilin. [Source:Uniprot/SWISSPROT;Acc:O15079]	12	1	-3.58
FGF23	Fibroblast growth factor 23 precursor (FGF-23) (Tumor-derived hypophosphatemia-inducing factor). [Source:Uniprot/SWISSPROT;Acc:Q9GZV9]	12	1	-3.58
CAMTA1	Calmodulin-binding transcription activator 1. [Source:Uniprot/SWISSPROT;Acc:Q9Y6Y1]	23	2	-3.52
APOA2	Apolipoprotein A-II precursor (Apo-AII) (ApoA-II) [Contains: Apolipoprotein A-II(1-76)]. [Source:Uniprot/SWISSPROT;Acc:P02652]	11	1	-3.46
NP_861450.1	LOC283537 protein (OTTHUMP00000018184). [Source:Uniprot/SPTREMBL;Acc:Q6P9B3]	11	1	-3.46
NDUFA5	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5 (EC 1.6.5.3) (EC 1.6.99.3) (NADH-ubiquinone oxidoreductase 13 kDa-B subunit) (Complex I-13kD-B) (CI-13kD-B) (Complex I subunit B13). [Source:Uniprot/SWISSPROT;Acc:Q16718]	11	1	-3.46
DDO	D-aspartate oxidase (EC 1.4.3.1) (DASOX) (DDO). [Source:Uniprot/SWISSPROT;Acc:Q99489]	22	2	-3.46
BCORL2	BCoR-like protein 2 (BCL-6 corepressor-like protein 2). [Source:Uniprot/SWISSPROT;Acc:Q8N888]	11	1	-3.46
NM_207504	CDNA FLJ46365 fis, clone TESTI4051054. [Source:Uniprot/SPTREMBL;Acc:Q6ZRG8]	11	1	-3.46
HLA-DPA1	major histocompatibility complex, class II, DP alpha 1	22	2	-3.46
CDKN1C	Cyclin-dependent kinase inhibitor 1C (Cyclin-dependent kinase inhibitor p57) (p57KIP2). [Source:Uniprot/SWISSPROT;Acc:P49918]	11	1	-3.46
DNALI1	Axonemal dynein light intermediate polypeptide 1 (Inner dynein arm light chain, axonemal) (hp28). [Source:Uniprot/SWISSPROT;Acc:O14645]	11	1	-3.46
MCHR2	(MCH-2R) (MCH2) (G-protein coupled receptor 145) (GPRv17). [Source:Uniprot/SWISSPROT;Acc:Q969V1]	21	2	-3.39
DNAH2	dynein heavy chain domain 3 [Source:RefSeq_peptide;Acc:NP_065928]	21	2	-3.39
RTN2	Reticulon-2 (Neuroendocrine-specific protein-like 1) (NSP-like protein 1) (NSPLI). [Source:Uniprot/SWISSPROT;Acc:O75298]	21	2	-3.39
ASIP	[Source:Uniprot/SWISSPROT;Acc:P42127]	10	1	-3.32
AMPH	Amphiphysin. [Source:Uniprot/SWISSPROT;Acc:P49418]	10	1	-3.32
FBXL21	F-box and leucine-rich repeat protein 21 [Source:RefSeq_peptide;Acc:NP_036291]	10	1	-3.32
ANGPTL2	[Source:Uniprot/SWISSPROT;Acc:Q9UKU9]	30	3	-3.32
Q96RZ4_HUMAN	-	30	3	-3.32
C12orf50	C12orf50 protein (Fragment). [Source:Uniprot/SPTREMBL;Acc:Q6P674]	20	2	-3.32

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Gene Symbol	**description**	**ncRNA**	**miR-210**	**Log_2(ratio)**
MSMB	Beta-microseminoprotein precursor (Prostate secreted seminal plasma protein) (Prostate secretory protein PSP94) (PSP-94) (Seminal plasma beta-inhibin) (Immunoglobulin-binding factor) (IGBF) (PN44). [Source:Uniprot/SWISSPROT;Acc:P08118]	20	2	-3.32
HKR2_HUMAN	Krueppel-related zinc finger protein 2 (Protein HKR2) (Zinc finger protein 50) (Zinc finger and SCAN domain-containing protein 22) (Fragment). [Source:Uniprot/SWISSPROT;Acc:P10073]	10	1	-3.32
HIVEP3	[Source:RefSeq_peptide;Acc:NP_078779]	19	2	-3.25
GPR35	Probable G-protein coupled receptor 35. [Source:Uniprot/SWISSPROT;Acc:Q9HC97]	19	2	-3.25
C1orf145	C1orf145 protein (Fragment). [Source:Uniprot/SPTREMBL;Acc:Q8N372]	19	2	-3.25
CBX6	Chromobox protein homolog 6. [Source:Uniprot/SWISSPROT;Acc:O95503]	28	3	-3.22
Q9H353_HUMAN	-	37	4	-3.21
C11orf69	Uncharacterized protein C11orf69. [Source:Uniprot/SWISSPROT;Acc:Q8TAY4]	37	4	-3.21
MYF5	Myogenic factor 5 (Myf-5). [Source:Uniprot/SWISSPROT;Acc:P13349]	9	1	-3.17
PRKAR2B	[Source:Uniprot/SWISSPROT;Acc:P31323]	9	1	-3.17
NOX1	NADPH oxidase homolog 1 (NOX-1) (NOH-1) (NADH/NADPH mitogenic oxidase subunit P65-MOX) (Mitogenic oxidase 1) (MOX1). [Source:Uniprot/SWISSPROT;Acc:Q9Y5S8]	9	1	-3.17
ELOVL3	Elongation of very long chain fatty acids protein 3 (Cold-inducible glycoprotein of 30 kDa). [Source:Uniprot/SWISSPROT;Acc:Q9HB03]	45	5	-3.17
BCL2L10	Apoptosis regulator Bcl-B (Bcl-2-like 10 protein) (Bcl2-L-10) (Anti- apoptotic protein NrH). [Source:Uniprot/SWISSPROT;Acc:Q9HD36]	18	2	-3.17
SEPT8	Septin-8. [Source:Uniprot/SWISSPROT;Acc:Q92599]	18	2	-3.17
C17orf57	C17orf57 protein. [Source:Uniprot/SPTREMBL;Acc:Q49AG9]	18	2	-3.17
SPANXN2	SPANX-N2 protein [Source:RefSeq_peptide;Acc:NP_001009615]	9	1	-3.17
CHST5	(GlcNAc6ST-3) (Intestinal GlcNAc-6- sulfotransferase) (Intestinal N-acetylglucosamine-6-O-sulfotransferase) (I-GlcNAc6ST) (hIGn6ST) (Galactose/N- acetylglucosamine [Source:Uniprot/SWISSPROT;Acc:Q9GZS9]	26	3	-3.12
DUOXA2	[Source:Uniprot/SWISSPROT;Acc:Q1HG44]	26	3	-3.12
FAM26A	Protein FAM26A. [Source:Uniprot/SWISSPROT;Acc:Q86XJ0]	69	8	-3.11
NEURL2	Neuralized-like protein 2. [Source:Uniprot/SWISSPROT;Acc:Q9BR09]	43	5	-3.1
TERT	Telomerase reverse transcriptase (EC 2.7.7.49) (Telomerase catalytic subunit) (HEST2) (Telomerase-associated protein 2) (TP2). [Source:Uniprot/SWISSPROT;Acc:O14746]	34	4	-3.09
NDUFA4	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 4 (EC 1.6.5.3) (EC 1.6.99.3) (NADH-ubiquinone oxidoreductase MLRQ subunit) (Complex I-MLRQ) (CI-MLRQ). [Source:Uniprot/SWISSPROT;Acc:O00483]	4846	593	-3.03
ART1	GPI-linked NAD(P)(+)--arginine ADP-ribosyltransferase 1 precursor (EC 2.4.2.31) (Mono(ADP-ribosyl)transferase) (CD296 antigen). [Source:Uniprot/SWISSPROT;Acc:P52961]	8	1	-3
NP_001001684.1	CDNA FLJ45831 fis, clone NT2RP8007416. [Source:Uniprot/SPTREMBL;Acc:Q6ZS49]	8	1	-3
AKAP3	A-kinase anchor protein 3 (Protein kinase A-anchoring protein 3) (PRKA3) (A-kinase anchor protein 110 kDa) (AKAP 110) (Sperm oocyte- binding protein) (Fibrousheathin-1) (Fibrousheathin I) (Fibrous sheath protein of 95 kDa) (FSP95). [Source:Uniprot/SWISSPROT;Acc:O75969]	8	1	-3
GTF2IRD2	GTF2I repeat domain containing 2 [Source:RefSeq_peptide;Acc:NP_775808]	8	1	-3
SPATA16	spermatogenesis associated 16 [Source:RefSeq_peptide;Acc:NP_114161]	23	3	-2.94
SPINLW1	Eppin precursor (Epididymal protease inhibitor) (Serine protease inhibitor-like with Kunitz and WAP domains 1) (WAP four-disulfide core domain protein 7) (Protease inhibitor WAP7). [Source:Uniprot/SWISSPROT;Acc:O95925]	23	3	-2.94
OR2L2	Olfactory receptor 2L2 (HTPCRH07). [Source:Uniprot/SWISSPROT;Acc:Q8NH16]	23	3	-2.94
HTR5A	5-hydroxytryptamine 5A receptor (5-HT-5A) (Serotonin receptor 5A) (5- HT-5). [Source:Uniprot/SWISSPROT;Acc:P47898]	30	4	-2.91
CF015_HUMAN	[Source:Uniprot/SWISSPROT;Acc:Q6UXA7]	30	4	-2.91
Q9H7Y2_HUMAN	CDNA FLJ14100 fis, clone MAMMA1000855. [Source:Uniprot/SPTREMBL;Acc:Q9H7Y2]	30	4	-2.91
ZFP42	zinc finger protein 42 [Source:RefSeq_peptide;Acc:NP_777560]	15	2	-2.91
C1orf112	C1orf112 protein. [Source:Uniprot/SPTREMBL;Acc:Q3KNQ1]	15	2	-2.91
EDAR	Tumor necrosis factor receptor superfamily member EDAR precursor (Anhidrotic ectodysplasin receptor 1) (Ectodysplasin-A receptor) (EDA- A1 receptor) (Ectodermal dysplasia receptor) (Downless homolog). [Source:Uniprot/SWISSPROT;Acc:Q9UNE0]	15	2	-2.91
RNF11	RING finger protein 11 (Sid 1669). [Source:Uniprot/SWISSPROT;Acc:Q9Y3C5]	949	129	-2.88
CLDN14	Claudin-14. [Source:Uniprot/SWISSPROT;Acc:O95500]	22	3	-2.87
SGCZ	Zeta-sarcoglycan (Zeta-SG) (ZSG1). [Source:Uniprot/SWISSPROT;Acc:Q96LD1]	29	4	-2.86
PLAC8	Placenta-specific gene 8 protein (Protein C15). [Source:Uniprot/SWISSPROT;Acc:Q9NZF1]	121	17	-2.83
LRRC17	[Source:Uniprot/SWISSPROT;Acc:Q8N6Y2]	7	1	-2.81
PCDH7	[Source:Uniprot/SWISSPROT;Acc:O60245]	35	5	-2.81
TRAV22	T-cell receptor alpha V gene segment [Source:IMGT/GENE-DB;Acc:TRAV22]	7	1	-2.81
XAB2	XPA-binding protein 2 (HCNP protein). [Source:Uniprot/SWISSPROT;Acc:Q9HCS7]	35	5	-2.81
FCGR2A	(IgG Fc receptor II-a) (Fc-gamma-RIIa) (CD32 antigen) (CDw32). [Source:Uniprot/SWISSPROT;Acc:P12318]	21	3	-2.81
SEC14L5	-	21	3	-2.81
C10orf53	Uncharacterized protein C10orf53. [Source:Uniprot/SWISSPROT;Acc:Q8N6V4]	21	3	-2.81
LOC729516	-	21	3	-2.81
SLFNL1	schlafen-like 1 [Source:RefSeq_peptide;Acc:NP_659427]	14	2	-2.81

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LRAT	Lecithin retinol acyltransferase (EC 2.3.1.135) (Phosphatidylcholine-- retinol O-acyltransferase). [Source:Uniprot/SWISSPROT;Acc:O95237]	7	1	-2.81
GPR177	Integral membrane protein GPR177 precursor (Protein wntless homolog) (Putative NFkB-activating protein 373). [Source:Uniprot/SWISSPROT;Acc:Q5T9L3]	817	121	-2.76
ADAMTS13	ADAMTS-13 precursor (EC 3.4.24.-) (A disintegrin and metalloproteinase with thrombospondin motifs 13) (ADAM-TS 13) (ADAM-TS13) (von Willebrand factor-cleaving protease) (vWF-cleaving protease) (vWF-CP). [Source:Uniprot/SWISSPROT;Acc:Q76LX8]	47	7	-2.75
PTCHD1	patched domain containing 1 [Source:RefSeq_peptide;Acc:NP_775766]	20	3	-2.74
ACPL2	acid phosphatase-like 2 [Source:RefSeq_peptide;Acc:NP_001032249]	20	3	-2.74
TFEC	transcription factor EC isoform b [Source:RefSeq_peptide;Acc:NP_001018068]	33	5	-2.72
STMN1	phosphoprotein p18) (pp17) (Prosolin) (Metablastin) (Protein Pr22). [Source:Uniprot/SWISSPROT;Acc:P16949]	1003	153	-2.71
Q8WYR5_HUMAN	Tumor rejection antigen. [Source:Uniprot/SPTREMBL;Acc:Q8WYR5]	557	85	-2.71
Q8NHT0_HUMAN	MGC32805 protein. [Source:Uniprot/SPTREMBL;Acc:Q8NHT0]	26	4	-2.7
C20orf39	UPF0338 protein C20orf39. [Source:Uniprot/SWISSPROT;Acc:Q9H7V2]	26	4	-2.7
PSG10	Pregnancy-specific beta-1-glycoprotein 10 precursor (PSBG-10) (PSBG- 12). [Source:Uniprot/SWISSPROT;Acc:Q15235]	13	2	-2.7
GJA5	Gap junction alpha-5 protein (Connexin-40) (Cx40). [Source:Uniprot/SWISSPROT;Acc:P36382]	13	2	-2.7
POT15_HUMAN	[Source:Uniprot/SWISSPROT;Acc:Q6S5H4]	13	2	-2.7
NP_001008784.1	CD200 cell surface glycoprotein receptor isoform 2 [Source:RefSeq_peptide;Acc:NP_001008784]	13	2	-2.7
PER3	Period circadian protein homolog 3 (Circadian clock protein PERIOD 3) (hPER3). [Source:Uniprot/SWISSPROT;Acc:P56645]	45	7	-2.68
TEDDM1	putative membrane protein HE9 [Source:RefSeq_peptide;Acc:NP_741997]	44	7	-2.65
DOCK4	Dedicator of cytokinesis protein 4. [Source:Uniprot/SWISSPROT;Acc:Q8N1I0]	25	4	-2.64
RIMS3	Regulating synaptic membrane exocytosis protein 3 (Nim3) (Rab-3- interacting molecule 3) (RIM 3) (RIM3 gamma). [Source:Uniprot/SWISSPROT;Acc:Q9UJD0]	43	7	-2.62
FCRL3	Fc receptor-like 3 precursor [Source:RefSeq_peptide;Acc:NP_443171]	49	8	-2.61
GCKR	Glucokinase regulatory protein (Glucokinase regulator). [Source:Uniprot/SWISSPROT;Acc:Q14397]	6	1	-2.58
NP_631912.2	Na+/H+ exchanger like domain containing [Source:RefSeq_peptide;Acc:NP_631912]	24	4	-2.58
C2orf51	CDNA FLJ25369 fis, clone TST01830 (Hypothetical protein FLJ25369) (Chromosome 2 open reading frame 51). [Source:Uniprot/SPTREMBL;Acc:Q96LM6]	48	8	-2.58
EN2	Homeobox protein engrailed-2 (Hu-En-2). [Source:Uniprot/SWISSPROT;Acc:P19622]	30	5	-2.58
RFPL1	Ret finger protein-like 1 (RING finger protein 78). [Source:Uniprot/SWISSPROT;Acc:O75677]	30	5	-2.58
GDF3	Growth/differentiation factor 3 precursor (GDF-3). [Source:Uniprot/SWISSPROT;Acc:Q9NR23]	36	6	-2.58
NP_775916.1	CDNA FLJ37357 fis, clone BRAMY2023060 (FLJ37357 protein) (Hypothetical protein FLJ37357). [Source:Uniprot/SPTREMBL;Acc:Q8N1W6]	30	5	-2.58
ISX	intestine-specific homeobox [Source:RefSeq_peptide;Acc:NP_001008494]	24	4	-2.58
CX3CR1	CX3C chemokine receptor 1 (C-X3-C CKR-1) (CX3CR1) (Fractalkine receptor) (G-protein coupled receptor 13) (V28) (Beta chemokine receptor-like 1) (CMK-BRL-1) (CMKBLR1). [Source:Uniprot/SWISSPROT;Acc:P49238]	24	4	-2.58
MIA2	Melanoma inhibitory activity protein 2 precursor. [Source:Uniprot/SWISSPROT;Acc:Q96PC5]	18	3	-2.58
O10D4_HUMAN	Olfactory receptor 10D4. [Source:Uniprot/SWISSPROT;Acc:Q8NGN7]	18	3	-2.58
OR7G2	Olfactory receptor 7G2 (Olfactory receptor 19-13) (OR19-13) (OST260). [Source:Uniprot/SWISSPROT;Acc:Q8NG99]	18	3	-2.58
LRP2	Low-density lipoprotein receptor-related protein 2 precursor (Megalin) (Glycoprotein 330) (gp330). [Source:Uniprot/SWISSPROT;Acc:P98164]	12	2	-2.58
C2orf46	Putative uncharacterized protein C2orf46. [Source:Uniprot/SWISSPROT;Acc:Q6ZSB3]	12	2	-2.58
Q6ZMT9_HUMAN	[Source:Uniprot/SPTREMBL;Acc:Q6ZMT9]	6	1	-2.58
C1QTNF2	Complement C1q tumor necrosis factor-related protein 2 precursor. [Source:Uniprot/SWISSPROT;Acc:Q9BXJ5]	6	1	-2.58
SERHL2	Serine hydrolase-like protein 2 (EC 3.1.-.-). [Source:Uniprot/SWISSPROT;Acc:Q9H4I8]	64	11	-2.54
USHBP1	USH1C-binding protein 1 (Usher syndrome type-1C protein-binding protein 1) (MCC-2) (AIE-75-binding protein). [Source:Uniprot/SWISSPROT;Acc:Q8N6Y0]	29	5	-2.54
VSTM2	[Source:Uniprot/SWISSPROT;Acc:Q8TAG5]	23	4	-2.52
AGC1	sulfate proteoglycan core protein 1) [Contains: Aggrecan core protein 2]. [Source:Uniprot/SWISSPROT;Acc:P16112]	23	4	-2.52
BPY2C	[Source:Uniprot/SWISSPROT;Acc:O14599]	23	4	-2.52
DDOST	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit precursor (EC 2.4.1.119) (Oligosaccharyl transferase 48 kDa subunit) (DDOST 48 kDa subunit). [Source:Uniprot/SWISSPROT;Acc:P39656]	2238	391	-2.52
IRX1	Iroquois-class homeodomain protein IRX-1 (Iroquois homeobox protein 1) (Homeodomain protein IRXA1). [Source:Uniprot/SWISSPROT;Acc:P78414]	34	6	-2.5
CD4	T-cell surface glycoprotein CD4 precursor (T-cell surface antigen T4/Leu-3). [Source:Uniprot/SWISSPROT;Acc:P01730]	17	3	-2.5
Q8NAH5_HUMAN	CDNA FLJ35343 fis, clone PROST2015932. [Source:Uniprot/SPTREMBL;Acc:Q8NAH5]	17	3	-2.5
PSG2	Pregnancy-specific beta-1-glycoprotein 2 precursor (PSBG-2) (Pregnancy-specific beta-1 glycoprotein E) (PS-beta-E). [Source:Uniprot/SWISSPROT;Acc:P11465]	28	5	-2.49
THBS1	Thrombospondin-1 precursor. [Source:Uniprot/SWISSPROT;Acc:P07996]	206	37	-2.48
ANKRD20A3	Ankyrin repeat domain-containing protein 20A3. [Source:Uniprot/SWISSPROT;Acc:Q5VUR7]	22	4	-2.46

Supplementary Table 2. The list represents 222 genes decreased by more than five-fold in miR-210-tansfected cells compared with ncRNA-tansfected cells				
Gene Symbol	**description**	**ncRNA**	**miR-210**	**Log_2(ratio)**
FNBP1L	Formin-binding protein 1-like (Transducer of Cdc42-dependent actin assembly protein 1) (Toca-1). [Source:Uniprot/SWISSPROT;Acc:Q5T0N5]	33	6	-2.46
HBB	Hemoglobin subunit beta (Hemoglobin beta chain) (Beta-globin). [Source:Uniprot/SWISSPROT;Acc:P68871]	22	4	-2.46
PIWIL3	Piwi-like protein 3. [Source:Uniprot/SWISSPROT;Acc:Q7Z3Z3]	22	4	-2.46
MAGEA11	Melanoma-associated antigen 11 (MAGE-11 antigen). [Source:Uniprot/SWISSPROT;Acc:P43364]	22	4	-2.46
KCNG1	Potassium voltage-gated channel subfamily G member 1 (Voltage-gated potassium channel subunit Kv6.1) (kH2). [Source:Uniprot/SWISSPROT;Acc:Q9UIX4]	11	2	-2.46
ADRA1A	Alpha-1A adrenergic receptor (Alpha 1A-adrenoceptor) (Alpha 1A- adrenoreceptor) (Alpha-1C adrenergic receptor) (Alpha adrenergic receptor 1c). [Source:Uniprot/SWISSPROT;Acc:P35348]	11	2	-2.46
NP_001001343.1	MGC27121 gene (MGC27121), mRNA [Source:RefSeq_dna;Acc:NM_001001343]	38	7	-2.44
GPNMB	Transmembrane glycoprotein NMB precursor (Transmembrane glycoprotein HGFIN). [Source:Uniprot/SWISSPROT;Acc:Q14956]	54	10	-2.43
C1orf173	C1orf173 protein. [Source:Uniprot/SPTREMBL;Acc:Q6GMR8]	27	5	-2.43
NTS	Neurotensin/neuromedin N precursor [Contains: Large neuromedin N (NmN- 125); Neuromedin N (NmN) (NN); Neurotensin (NT); Tail peptide]. [Source:Uniprot/SWISSPROT;Acc:P30990]	27	5	-2.43
XKR4	XK-related protein 4. [Source:Uniprot/SWISSPROT;Acc:Q5GH76]	16	3	-2.42
C12orf59	C12orf59 protein. [Source:Uniprot/SPTREMBL;Acc:Q4KMG9]	159	30	-2.41
USP29	specific-processing protease 29) (Deubiquitinating enzyme 29). [Source:Uniprot/SWISSPROT;Acc:Q9HBJ7]	21	4	-2.39
PLA2G7	acylhydrolase) (LDL-associated phospholipase A2) (LDL-PLA(2)) (2-acetyl-1-alkylglycerophosphocholine esterase) (1-alkyl-2-acetylglycerophosphocholine esterase) [Source:Uniprot/SWISSPROT;Acc:Q13093]	21	4	-2.39
NP_001006656.1	MSTP119. [Source:Uniprot/SPTREMBL;Acc:Q7Z2S5]	21	4	-2.39
CEECAM1	cerebral endothelial cell adhesion molecule 1 [Source:RefSeq_peptide;Acc:NP_057258]	21	4	-2.39
ZDHHC22	Putative palmitoyltransferase ZDHHC22 (EC 2.3.1.-) (Zinc finger DHHC domain-containing protein 22) (DHHC-22). [Source:Uniprot/SWISSPROT;Acc:Q8N966]	21	4	-2.39
ZNF101	Zinc finger protein 101 (Zinc finger protein HZF12). [Source:Uniprot/SWISSPROT;Acc:Q8IZC7]	47	9	-2.38
ADRA1B	Alpha-1B adrenergic receptor (Alpha 1B-adrenoceptor) (Alpha 1B- adrenoreceptor). [Source:Uniprot/SWISSPROT;Acc:P35368]	26	5	-2.38
ACOX3	Acyl-coenzyme A oxidase 3, peroxisomal (EC 1.3.3.6) (Pristanoyl-CoA oxidase) (Branched-chain acyl-CoA oxidase) (BRCACox). [Source:Uniprot/SWISSPROT;Acc:O15254]	31	6	-2.37
Q8N7S0_HUMAN	CDNA FLJ40424 fis, clone TESTI2039026. [Source:Uniprot/SPTREMBL;Acc:Q8N7S0]	31	6	-2.37
PHKG1	Phosphorylase b kinase gamma catalytic chain, skeletal muscle isoform (EC 2.7.11.19) (Phosphorylase kinase subunit gamma 1). [Source:Uniprot/SWISSPROT;Acc:Q16816]	31	6	-2.37
LRP5L	low density lipoprotein receptor-related protein 5-like [Source:RefSeq_peptide;Acc:NP_872298]	67	13	-2.37
AAK1	AP2-associated protein kinase 1 (EC 2.7.11.1) (Adaptor-associated kinase 1). [Source:Uniprot/SWISSPROT;Acc:Q2M2I8]	221	43	-2.36
KIAA0195	KIAA0195 (KIAA0195), mRNA [Source:RefSeq_dna;Acc:NM_014738]	40	8	-2.32
Q8NA59_HUMAN	CDNA FLJ35816 fis, clone TESTI2006109. [Source:Uniprot/SPTREMBL;Acc:Q8NA59]	30	6	-2.32
EMID1	EMI domain-containing protein 1 precursor (Protein Emu1) (Emilin and multimerin domain-containing protein 1). [Source:Uniprot/SWISSPROT;Acc:Q96A84]	5	1	-2.32
C6orf122	Uncharacterized protein C6orf122. [Source:Uniprot/SWISSPROT;Acc:Q5T6M2]	20	4	-2.32
ERC1	ELKS/RAB6-interacting/CAST family member 1 (RAB6-interacting protein 2) (ERC protein 1). [Source:Uniprot/SWISSPROT;Acc:Q8IUD2]	20	4	-2.32
USP6	Ubiquitin carboxyl-terminal hydrolase 6 (EC 3.1.2.15) (Ubiquitin thioesterase 6) (Ubiquitin-specific-processing protease 6) (Deubiquitinating enzyme 6) (Proto-oncogene TRE-2). [Source:Uniprot/SWISSPROT;Acc:P35125]	20	4	-2.32
GRB14	Growth factor receptor-bound protein 14 (GRB14 adapter protein). [Source:Uniprot/SWISSPROT;Acc:Q14449]	15	3	-2.32
ALG10	(Asparagine-linked glycosylation protein 10 homolog A). [Source:Uniprot/SWISSPROT;Acc:Q5BKT4]	15	3	-2.32
SPTB	Spectrin beta chain, erythrocyte (Beta-I spectrin). [Source:Uniprot/SWISSPROT;Acc:P11277]	15	3	-2.32
C3AR1	[Source:Uniprot/SWISSPROT;Acc:Q16581]	10	2	-2.32
HTR2C	5-hydroxytryptamine 2C receptor (5-HT-2C) (Serotonin receptor 2C) (5- HT2C) (5-HTR2C) (5HT-1C). [Source:Uniprot/SWISSPROT;Acc:P28335]	10	2	-2.32
O95724_HUMAN	Reverse transcriptase (Fragment). [Source:Uniprot/SPTREMBL;Acc:O95724]	5	1	-2.32

The fifteen genes predicted as a miR-210 target gene by microCosm, TargetScan or PicTar were highlighted in gray.

Supplementary Table 3. The list represents 811 genes predicted as a miR-210 target gene by microCosm, TargetScan and PicTar

ABCC1	*C10orf122*	*CD8A*	*EFNA3*	*GIT2*	*IMP3*
ABCC6P2	*C11orf2*	*CD99*	*EGFL9*	*GJA7*	*IQCK*
ABCD1	*C11orf58*	*CDC2L1*	*EGR3*	*GLI1*	*IRGC*
ABCD4	*C11orf59*	*CDC2L2*	*EGR4*	*GLIS1*	*IRX6*
ABHD2	*C11orf63*	*CDH26*	*EHD2*	*GLS2*	*ISCA2*
ABL2	*C12orf34*	*CDKN1C*	*EIF3S9*	*GNA15*	*ISCU*
ABTB1	*C12orf48*	*CDX2*	*ELA2*	*GNAT1*	*ITGA8*
AC006273.1	*C14orf148*	*CEND1*	*ELAC2*	*GNG3*	*ITGB4*
AC008772.1	*C15orf43*	*CETN3*	*ELFN2*	*GNG8*	*IWS1*
AC008898.1	*C15orf52*	*CFHR2*	*ELOVL6*	*GOLGA1*	*JOSD2*
AC009967.5	*C15orf62*	*CHAD*	*EMID1*	*GOLGA2LY1*	*KAAG1*
AC020916.6	*C16orf35*	*CHD1L*	*EML2*	*GOLPH3*	*KCMF1*
AC040977.2	*C16orf70*	*CHEK2*	*ENPP2*	*GPD1L*	*KCNH5*
AC109322.1	*C17orf57*	*CHES1*	*ENSA*	*GPR153*	*KCNMB1*
AC114498.5	*C17orf64*	*CHN1*	*EPB41L1*	*GPR17*	*KCNN2*
AC133485.1	*C17orf83*	*CHRDL1*	*EPGN*	*GPR177*	*KCNQ2*
AC141586.2	*C18orf10*	*CHRM3*	*EPHA2*	*GPR19*	*KIAA0664*
AC226119.1	*C18orf34*	*CHRNB1*	*EPHB2*	*GPR39*	*KIAA0748*
ACP1	*C19orf16*	*CHRNG*	*EPS15*	*GPR87*	*KIAA1622*
ACTA1	*C19orf34*	*CHST1*	*ERP27*	*GRIA2*	*KIAA1751*
ACTC1	*C19orf59*	*CHST12*	*EVL*	*GRIK2*	*KIAA1755*
ACTG1	*C1orf102*	*CHUK*	*EVPL*	*GRIN3B*	*KIAA2013*
ACTL7A	*C1orf110*	*CIRBP*	*EXOSC10*	*GRINL1A*	*KIF13B*
ADA	*C1orf111*	*CLDN15*	*F11R*	*GRM5*	*KIF20A*
ADAMTS7	*C1orf112*	*CLEC11A*	*F7*	*GRM6*	*KIR2DL1*
ADCY7	*C1orf116*	*CLEC19A*	*FAHD1*	*GSC*	*KLHDC4*
AGPAT2	*C1orf128*	*CNGB1*	*FAM105B*	*GSTA1*	*KLHL35*
AGTRAP	*C1orf133*	*COL16A1*	*FAM108A1*	*GSTA2*	*KLRA1*
AGTRL1	*C1orf167*	*COL4A2*	*FAM108A2*	*GSTTP2*	*KLRC4*
AGXT2L2	*C1orf184*	*COL4A3*	*FAM116A*	*GSTZ1*	*KRTAP5-4*
AHRR	*C1orf86*	*COL6A2*	*FAM120A*	*H2AFY*	*LAIR2*
AIFM3	*C1orf88*	*COL9A3*	*FAM12A*	*HAAO*	*LAMA3*
AKAP7	*C1QTNF4*	*COMMD4*	*FAM149A*	*HAS1*	*LAMA5*
AKAP9	*C1S*	*COX10*	*FAM25A*	*HCN4*	*LAMC3*
AKR1CL2	*C20orf103*	*CPNE2*	*FAM25B*	*HDLBP*	*LCE3E*
AL132661.1	*C20orf195*	*CR1*	*FAM25C*	*HEATR7B2*	*LCK*
AL161662.2	*C2orf32*	*CREB3L3*	*FAM5B*	*HELZ*	*LCN8*
ALDH3A1	*C2orf46*	*CRHBP*	*FAM73B*	*HHIP*	*LDHB*
ALDH4A1	*C3orf21*	*CRLF3*	*FAM84A*	*HIF3A*	*LEAP2*
ALKBH3	*C3orf30*	*CRYBA4*	*FAM90A1*	*HIRIP3*	*LGI3*
ALLC	*C4orf23*	*CS*	*FAM90A10*	*HIST1H1B*	*LHPP*
AMBN	*C6orf125*	*CSPP1*	*FAM90A18*	*HIST1H2AK*	*LIPE*
ANAPC7	*C6orf145*	*CST3*	*FAM90A3*	*HK3*	*LIPI*
ANK1	*C6orf184*	*CTBP2*	*FAM90A7*	*HLXB9*	*LMAN1L*
ANKRD24	*C6orf191*	*CUEDC2*	*FAM90A8*	*HMG20B*	*LMTK2*
ANKRD47	*C6orf57*	*CUL9*	*FAM90A9*	*HOXA3*	*LMX1B*
ANKS3	*C9*	*CYB5R2*	*FAM9B*	*HPCA*	*LOC399947*
AP000355.2	*C9orf129*	*CYGB*	*FANCB*	*HPCAL1*	*LOC643224*
AP000889.1	*C9orf134*	*CYP11B1*	*FANCE*	*HRH2*	*LRFN1*
APOBEC3G	*C9orf78*	*CYP2F1*	*FANK1*	*HSD17B1*	*LRP5L*
ARFRP1	*C9orf85*	*DAB1*	*FBXL12*	*HSD17B7*	*LRPAP1*
ARHGAP17	*C9orf86*	*DARC*	*FBXL16*	*HSPA8*	*LRRC62*
ARHGEF17	*C9orf93*	*DBN1*	*FBXL17*	*HSPBAP1*	*LRRC68*
ARMC1	*CACNA2D2*	*DCHS1*	*FBXW5*	*HTATSF1*	*LRRC8A*
ARMC4	*CALCOCO1*	*DCTN1*	*FER1L4*	*HTRA1*	*LRRC8D*
ARSD	*CAMK2G*	*DDX24*	*FEZF1*	*HYAL1*	*LRRC8D*
ASCC1	*CAPN10*	*DDX51*	*FGD1*	*IDI2*	*LRSAM1*
ASCL1	*CAPN9*	*DEAF1*	*FGF10*	*IGF1R*	*LY6H*
ASL	*CARD9*	*DEC1*	*FGF18*	*IGHA2*	*LYN*
ATG4D	*CASQ1*	*DEFB118*	*FGF22*	*IGHV3-13*	*LYPLA2*
ATN1	*CCBP2*	*DGKA*	*FGFRL1*	*IGHV3-16*	*MAGI2*
ATP12A	*CCDC146*	*DGKG*	*FHIT*	*IGHV3-23*	*MAN1B1*
ATP1B1	*CCDC17*	*DHRS3*	*FHOD1*	*IGHV3-35*	*MAP6*
ATP2B3	*CCDC24*	*DHX58*	*FKBP9L*	*IGHV3-38*	*MAP7D1*
ATP6V0C	*CCDC28A*	*DIMT1L*	*FMO1*	*IGHV3-47*	*MARCH4*
AVP	*CCDC28B*	*DNAH11*	*FNTA*	*IGHV3-66*	*MARK1*
AVPR1B	*CCDC53*	*DNAJC16*	*FOXD2*	*IGKV4-1*	*MAST1*
B3GALT5	*CCDC95*	*DNAJC4*	*FOXP3*	*IGLC7*	*MBD5*
B4GALT5	*CCDC97*	*DNAJC8*	*FRAP1*	*IGLL3*	*MCCD1*
B4GALT7	*CCKBR*	*DPEP2*	*FRY*	*IGSF21*	*MCM4*
BAIAP3	*CCNB1IP1*	*DPYSL5*	*FTSJ2*	*IHPK2*	*MCM8*
BCAS2	*CCNL2*	*DRD5*	*FUT8*	*IHPK3*	*MDGA1*
BCL2L12	*CCT3*	*DTX1*	*G0S2*	*IKBKG*	*MEF2D*
BDNF	*CD180*	*DUOXA1*	*GAK*	*IL11RA*	*MEGF6*
BICD1	*CD22*	*DUSP12*	*GARNL1*	*IL17RC*	*MEIS1*
BRP44L	*CD276*	*DUSP28*	*GAS6*	*IL18*	*MFAP3*
BTBD10	*CD300LD*	*E2F3*	*GBGT1*	*IL3RA*	*MFSD4*
BX324178.1	*CD55*	*EBF3*	*GDAP1L1*	*ILVBL*	*MID1IP1*

Supplementary Table 3. The list represents 811 genes predicted as a miR-210 target gene by microCosm, TargetScan and PicTar

MINA	*PCP4*	*RP4-565E6.1*	*SURF5*	*WNT9B*
MLL2	*PCSK7*	*RPS27*	*SUSD1*	*XCR1*
MPV17L	*PDCL*	*RSC1A1*	*SUZ12*	*XKR5*
MRPL36	*PDE3A*	*RUFY1*	*SYNE2*	*XRRA1*
MRPS30	*PDLIM3*	*RUVBL2*	*SYNGAP1*	*YIPF3*
MS4A8B	*PDX1*	*SACM1L*	*SYT15*	*YY1*
MT4	*PDZD4*	*SAMD13*	*TAC4*	*Z97180.2*
MUC4	*PEX10*	*SAP30L*	*TAF6*	*ZBTB12*
MX1	*PEX13*	*SARNP*	*TBC1D16*	*ZCCHC11*
MXD4	*PEX5L*	*SCGB1C1*	*TBC1D28*	*ZDHHC12*
MYH11	*PHF15*	*SCN1B*	*TBC1D8*	*ZDHHC4*
MYO15B	*PHF23*	*SCN9A*	*TCF7L2*	*ZFPM1*
MYOHD1	*PHKG2*	*SCOC*	*TCHP*	*ZHX2*
MYT1L	*PHTF1*	*SCRT1*	*TFAP2A*	*ZMAT4*
NAT14	*PI1KAP2*	*SCYL1*	*TFCP2*	*ZMIZ2*
NDUFA4	*PIK3R5*	*SDCCAG8*	*TGFBRAP1*	*ZMYM2*
NEFM	*PIK4CA*	*SDF2*	*THOC5*	*ZMYM6*
NEK3	*PKNOX2*	*SDHALP1*	*TIAM1*	*ZNF227*
NEUROD2	*PLA1A*	*SDHALP2*	*TIGD2*	*ZNF274*
NEUROG3	*PLCB3*	*SEC24C*	*TIGD5*	*ZNF397*
NFIB	*PLCD3*	*SEH1L*	*TIMM17B*	*ZNF403*
NFIL3	*PLK1*	*SENP8*	*TIMP1*	*ZNF418*
NKX2-5	*PLXNC1*	*SEPT12*	*TLX1*	*ZNF45*
NKX2-8	*PODN*	*SERPINA12*	*TMEM142A*	*ZNF462*
NOMO1	*POF1B*	*SERPINA3*	*TMEM16B*	*ZNF467*
NOMO3	*POLR2I*	*SETD2*	*TMEM16D*	*ZNF583*
NOX4	*POU2AF1*	*SF3B1*	*TMEM194B*	*ZNF585B*
NP_660343.1	*PPAP2A*	*SF3B4*	*TMEM195*	*ZNF720*
NP_683701.2	*PPIE*	*SF3B5*	*TMEM204*	*ZNF827*
NPHP4	*PPP1CC*	*SH2D7*	*TMEM208*	*ZRANB3*
NPM3	*PPP1R12C*	*SH3BGR*	*TMEM40*	*ZSCAN20*
NPR1	*PPP1R16A*	*SH3BGRL*	*TNFRSF13C*	
NPSR1	*PPP3R1*	*SH3KBP1*	*TNIP1*	
NPTX1	*PRHOXNB*	*SHC3*	*TNIP3*	
NQO2	*PRICKLE4*	*SHCBP1*	*TNPO3*	
NR6A1	*PRIMA1*	*SIDT2*	*TOM1L2*	
NRG4	*PRMT2*	*SIL1*	*TOR1A*	
NRGN	*PRPF38B*	*SIN3B*	*TP53TG3*	
NSDHL	*PRR11*	*SIPA1L3*	*TPST1*	
NSUN5	*PRRG2*	*SIX1*	*TRAFD1*	
NT5C1B	*PRSS16*	*SLC12A8*	*TRAV4*	
NT5DC1	*PSG2*	*SLC15A1*	*TRIM14*	
NTN4	*PSME3*	*SLC16A14*	*TRIM17*	
NUDT6	*PTAFR*	*SLC20A1*	*TSEN2*	
NUP133	*PTCHD3*	*SLC25A28*	*TSNAXIP1*	
NUPL2	*PTGES2*	*SLC26A3*	*TSPAN10*	
NUPR1	*PTS*	*SLC2A1*	*TSPAN14*	
NYX	*PYDC1*	*SLC37A1*	*TTC12*	
OAF	*PYY*	*SLC38A5*	*TTC13*	
OBSCN	*Q6ZRP6_HUMAN*	*SLC43A1*	*TTC24*	
ODF3	*Q9BZU2_HUMAN*	*SLC4A11*	*TTC4*	
ODZ2	*Q9HBR8_HUMAN*	*SLC6A19*	*TTF1*	
ODZ3	*RAB26*	*SLITRK5*	*TTLL1*	
OGG1	*RAB27B*	*SMARCA4*	*TXNL6*	
OLFML2A	*RABGAP1L*	*SMCHD1*	*UBASH3A*	
OLIG3	*RAD52*	*SORBS2*	*UBE2O*	
OR10G8	*RALGDS*	*SOX21*	*UBN2*	
OR2T8	*RANBP5*	*SOX30*	*UBQLN1*	
OR2V2	*RASAL2*	*SPACA3*	*UMODL1*	
OR4K14	*RASSF1*	*SPACA4*	*UNC45A*	
OR4P1P	*RASSF6*	*SPO11*	*UNC5A*	
OR5M13P	*RBM3*	*SPRR2F*	*URM1*	
OSBPL2	*RBMY1C*	*SPTB*	*UROS*	
OTOS	*RBPJL*	*SQLE*	*USP21*	
OTP	*RC3H1*	*SREBF1*	*USP6NL*	
OTUB1	*RECK*	*SRMS*	*VIT*	
P2RX1	*RETN*	*SRPX*	*VRK1*	
P2RY10	*RG9MTD1*	*ST3GAL3*	*VSIG6*	
P2RY11	*RGS4*	*ST6GALNAC6*	*VWA5B1*	
P4HA3	*RIBC2*	*STAB1*	*WDFY2*	
PABPC1L	*RLN3*	*STARD3NL*	*WDR20*	
PADI1	*RNF207*	*STAT6*	*WDR22*	
PANX3	*RNF208*	*STIP1*	*WDR38*	
PAOX	*RNF212*	*STT3B*	*WDR5B*	
PARK2	*RP1-163G9.1*	*STX11*	*WDR6*	
PBX1	*RP11-181G12.1*	*STX1B2*	*WDR64*	
PCBP4	*RP11-191L9.1*	*STXBP5*	*WDR66*	
PCDH21	*RP11-397P14.1*	*SUMO3*	*WISP2*	