

## SUPPLEMENTARY DATA

**Supplementary Table 1. microRNAs chosen for normalization.**

These microRNAs met the following criteria: (i) they were expressed at high levels (median Ct < 30) and in all samples; (ii) they were not statistically different for the various epithelial tissue type comparisons (Welch's *t*-test, *p* > 0.1); (iii) they were the least variable miRNAs (coefficient of variation < 100% for relative levels in each epithelial tissue type). Control squamous mucosa (control-S), post-ablation squamous mucosa (post-S), post-ablation neosquamous mucosa (post-NS).

OpenArray assay ID	miRBase ID (Release 20)	Accession number	Mature Sequence	median Ct	% of samples amplified	Control-S vs. post-NS p-value	Post-S vs. post-NS p-value	coefficient of variation
002244_hsa-miR-455-3p	hsa-miR-455-3p	MIMAT0004784	GCAGUCCAUGGGCAUAUACAC	27.8	100	0.84	0.31	70%
000439_hsa-miR-103	has-miR-103-3p	MIMAT0000101	AGCAGCAUUGUACAGGGCUAUGA	24.1	100	0.47	0.15	61%
000545_hsa-miR-331	hsa-miR-331-3p	MIMAT0000760	GCCCCUGGGCCUAUCCUAGAA	23.4	100	0.16	0.65	47%
000449_hsa-miR-125b	has-miR-125-5p	MIMAT0000423	UCCCUGAGACCCUAACUUGUGA	22.1	100	0.63	0.59	56%
000497_hsa-miR-197	has-miR-197-3p	MIMAT0000227	UUCACCACCUUCUCCACCCAGC	25.7	100	0.75	0.53	71%
001090_mmu-miR-93	hsa-miR-93-5p	MIMAT0000093	CAAAGUGCUGUUCGUGCAGGUAG	23.6	100	0.18	0.17	86%
000395_hsa-miR-19a	hsa-miR-19a-3p	MIMAT0000073	UGUGCAAAUCUAUGCAAAACUGA	25.9	100	0.54	0.52	61%
000454_hsa-miR-130a	hsa-miR-130a-3p	MIMAT0000425	CAGUGCAAUGUUAAAAGGGCAU	23.7	100	0.31	0.16	63%
000377_hsa-let-7a	hsa-let-7a-5p	MIMAT0000062	UGAGGUAGUAGGUUGUAUAGUU	23.1	100	0.50	0.18	52%
002340_hsa-miR-423-5p	has-miR-423-5p	MIMAT0004748	UGAGGGGCAGAGAGCGAGACUUU	27.4	100	0.93	0.32	48%
002216_hsa-miR-128a	has-miR-128a-3p	MIMAT0000424	UCACAGUGAACCGGUCUCUUU	28.4	100	0.24	0.24	72%
002406_hsa-let-7e	has-let-7e	MIMAT0000066	UGAGGUAGGAGGUUGUAUAGUU	23.3	100	0.25	0.77	54%
000442_hsa-miR-106b	has-miR-106b-5p	MIMAT0000680	UAAAGUGCUGACAGUGGCAGAU	22.5	100	0.25	0.19	87%
000435_hsa-miR-99a	has-miR-99a-5p	MIMAT0000097	AACCCGUAGAUCCGAUCUUGUG	23.1	100	0.22	0.76	61%

**Supplementary Table 2.**

microRNAs that were significantly differentially expressed between control squamous mucosa (control-S) and post-ablation neo-squamous mucosa (post-NS).

<b>mature miRNA</b>	<b>control-S / post-NS</b>	<b>Mann Whitney p-value</b>
hsa-miR-133a-3p	0.001	0.005
hsa-miR-424-3p	0.001	0.012
hsa-miR-424-5p	0.002	0.000
hsa-miR-199a-5p	0.003	0.012
hsa-miR-223-5p	0.004	0.023
mmu-miR-187-3p	0.005	0.004
mmu-miR-495-3p	0.010	0.014
hsa-miR-196b-5p	0.011	0.036
hsa-miR-214-5p	0.021	0.005
hsa-let-7f-2-3p	0.062	0.012
hsa-miR-411-5p	0.111	0.017
hsa-miR-136-3p	0.139	0.027
hsa-miR-409-3p	0.147	0.005
hsa-miR-376c-3p	0.155	0.001
hsa-miR-127-3p	0.206	0.027
hsa-miR-143-3p	0.269	0.006
hsa-miR-135a-5p	0.333	0.002
hsa-miR-30a-3p	0.361	0.001
hsa-miR-425-3p	0.368	0.023
hsa-miR-30e-3p	0.388	0.000
hsa-miR-10b-5p	0.415	0.031
hsa-miR-199a-3p	0.423	0.017
hsa-miR-218-5p	0.488	0.009
hsa-miR-31-3p	0.497	0.012
hsa-miR-135b-5p	0.498	0.001
hsa-miR-21-5p	0.505	0.003
hsa-miR-18b-5p	0.519	0.041
hsa-miR-132-3p	0.533	0.017
hsa-miR-335-5p	0.582	0.014
hsa-miR-130b-3p	0.621	0.003
hsa-miR-31-5p	0.693	0.009
hsa-miR-34a-5p	0.695	0.001
hsa-miR-29a-3p	0.704	0.000
hsa-miR-296-5p	1.416	0.005
hsa-miR-27a-5p	1.451	0.020
hsa-miR-23b-3p	1.500	0.020
hsa-miR-361-5p	1.501	0.031
hsa-miR-92a-3p	1.502	0.001
hsa-miR-629-5p	1.534	0.036
hsa-miR-191-5p	1.541	0.010
hsa-miR-642a-5p	1.567	0.047
hsa-miR-342-3p	1.635	0.036
hsa-miR-597-3p	2.147	0.007
hsa-miR-500a-5p	10.334	0.006

**Supplementary Table 3.**

microRNAs that were significantly differentially expressed between post-ablation squamous mucosa (post-S) and post-ablation neo-squamous mucosa (post-NS).

<b>mature miRNA</b>	<b>post-S / post-NS</b>	<b>Mann Whitney p-value</b>
hsa-miR-199a-5p	0.002	0.045
hsa-miR-941	0.002	0.024
hsa-miR-424-5p	0.004	0.001
hsa-miR-223-5p	0.005	0.014
hsa-miR-136-3p	0.005	0.033
hsa-miR-214-5p	0.022	0.027
hsa-miR-409-3p	0.215	0.003
hsa-miR-127-3p	0.266	0.033
hsa-miR-376c-3p	0.325	0.027
hsa-miR-34c-5p	0.372	0.033
mmu-miR-187-3p	0.373	0.012
hsa-miR-135a-5p	0.397	0.008
hsa-miR-135b-5p	0.582	0.004
hsa-miR-31-5p	0.646	0.006
hsa-miR-664a-3p	1.442	0.001
hsa-miR-29a-5p	1.596	0.002
hsa-miR-1282	3.018	0.021
hsa-miR-9-3p	78.295	0.033

**Supplementary Table 4.**

Details of microRNAs that were differentially expressed in both control squamous mucosa vs. post-ablation neosquamous mucosa (control-S vs. post-NS) and post-ablation squamous mucosa vs. post-ablation neosquamous mucosa (post-S vs. post-NS).

OpenArray assay ID	miRBase ID	Accession number	Mature Sequence
000604_hsa-miR-424	hsa-miR-424-5p	MIMAT0001341	CAGCAGCAAUUCAUGUUUUGAA
002293_hsa-miR-214#	hsa-miR-214-5p	MIMAT0004564	UGCCUGUCUACACUUGCUGUGC
000498_hsa-miR-199a	hsa-miR-199a-5p	MIMAT0000231	CCCAGUGUUCAGACUACCUGUUC
002098_hsa-miR-223#	hsa-miR-223-5p	MIMAT0004570	CGUGUAUUUGACAAGCUGAGUU
001193_mmu-miR-187	mmu-miR-187-3p	MIMAT0000216	UCGUGUCUUGUGUUGCAGCCGG
002100_hsa-miR-136#	hsa-miR-136-3p	MIMAT0004606	CAUCAUCGUCUAAAUGAGUCU
002122_hsa-miR-376c	hsa-miR-376c-3p	MIMAT0000720	AACAUAGAGGAAAUUCCACGU
000452_hsa-miR-127	hsa-miR-127-3p	MIMAT0000446	UCGGAUCCGUCUGAGCUUGGCU
000460_hsa-miR-135a	hsa-miR-135a-5p	MIMAT0000428	UAUGGCCUUUUUAUCCUAUGUGA
002332_hsa-miR-409-3p	hsa-miR-409-3p	MIMAT0001639	GAAUGUUGCUCGGUGAACCCU
002261_hsa-miR-135b	hsa-miR-135b-5p	MIMAT0000758	UAUGGCCUUUUCAUCCUAUGUGA
002279_hsa-miR-31	hsa-miR-31-5p	MIMAT0000089	AGGCAAGAUGCUGGCAUAGCU

**Supplementary Table 5.** Predicted mRNA targets of differentially expressed microRNAs that are increased in neosquamous, but not Barrett's mucosa, relative to normal squamous mucosa.

Gene	EntrezID	RefseqID	miR number 1	miR number 2	miR number 3
SOX11	6664	NM_003108	hsa-miR-135b-5p	hsa-miR-31-5p	hsa-miR-187-3p
KLF7	8609	NM_003709	hsa-miR-135b-5p	hsa-miR-31-5p	hsa-miR-187-3p
USP13	8975	NM_003940	hsa-miR-135b-5p	hsa-miR-31-5p	hsa-miR-187-3p
SLC1A2	6506	NM_004171	hsa-miR-135b-5p	hsa-miR-31-5p	hsa-miR-187-3p
PLXNA2	5362	NM_025179	hsa-miR-135b-5p	hsa-miR-31-5p	hsa-miR-187-3p
RASAL2	9462	NM_170692	hsa-miR-135b-5p	hsa-miR-31-5p	hsa-miR-187-3p
TNRC6B	23112	XM_005261393	hsa-miR-135b-5p	hsa-miR-31-5p	hsa-miR-187-3p
MTR	4548	NM_000254	hsa-miR-135b-5p	hsa-miR-31-5p	
MID1	4281	NM_000381	hsa-miR-135b-5p	hsa-miR-187-3p	
PHEX	5251	NM_000444	hsa-miR-135b-5p	hsa-miR-31-5p	
TAP2	6891	NM_000544	hsa-miR-135b-5p	hsa-miR-31-5p	
PRLR	5618	NM_000949	hsa-miR-135b-5p	hsa-miR-31-5p	
ATP2B4	493	NM_001001396	hsa-miR-135b-5p	hsa-miR-187-3p	
AK4	205	NM_001005353	hsa-miR-135b-5p	hsa-miR-31-5p	
KIAA2018	205717	NM_001009899	hsa-miR-135b-5p	hsa-miR-31-5p	
SLC25A53	401612	NM_001012755	hsa-miR-135b-5p	hsa-miR-187-3p	
CALN1	83698	NM_001017440	hsa-miR-135b-5p	hsa-miR-187-3p	
UBA52	7311	NM_001033930	hsa-miR-135b-5p	hsa-miR-31-5p	
ZNF705D	728957	NM_001039615	hsa-miR-135b-5p	hsa-miR-31-5p	
OPALIN	93377	NM_001040103	hsa-miR-135b-5p	hsa-miR-31-5p	
CEP85L	387119	NM_001042475	hsa-miR-135b-5p	hsa-miR-31-5p	
KDM5A	5927	NM_001042603	hsa-miR-135b-5p	hsa-miR-31-5p	
UBXN2B	137886	NM_001077619	hsa-miR-135b-5p	hsa-miR-31-5p	
ADCY9	115	NM_001116	hsa-miR-187-3p	hsa-miR-31-5p	
ESR1	2099	NM_001122742	hsa-miR-135b-5p	hsa-miR-31-5p	
VPS53	55275	NM_001128159	hsa-miR-135b-5p	hsa-miR-31-5p	
INPP4A	3631	NM_001134224	hsa-miR-135b-5p	hsa-miR-31-5p	
AFAP1	60312	NM_001134647	hsa-miR-135b-5p	hsa-miR-31-5p	
LRRC15	131578	NM_001135057	hsa-miR-135b-5p	hsa-miR-31-5p	
SYT2	127833	NM_001136504	hsa-miR-135b-5p	hsa-miR-187-3p	
KIAA1324L	222223	NM_001142749	hsa-miR-135b-5p	hsa-miR-31-5p	

<b>Gene</b>	<b>EntrezID</b>	<b>RefseqID</b>	<b>miR number 1</b>	<b>miR number 2</b>	<b>miR number 3</b>
SH3BP2	6452	NM_001145855	hsa-miR-135b-5p	hsa-miR-31-5p	
POP1	10940	NM_001145860	hsa-miR-135b-5p	hsa-miR-31-5p	
STAU2	27067	NM_001164384	hsa-miR-135b-5p	hsa-miR-31-5p	
CSRNP3	80034	NM_001172173	hsa-miR-187-3p	hsa-miR-31-5p	
SLC6A2	6530	NM_001172501	hsa-miR-187-3p	hsa-miR-31-5p	
MYD88	4615	NM_001172567	hsa-miR-135b-5p	hsa-miR-187-3p	
TFDP2	7029	NM_001178138	hsa-miR-135b-5p	hsa-miR-31-5p	
CARD8	22900	NM_001184902	hsa-miR-187-3p	hsa-miR-31-5p	
ACOX1	51	NM_001185039	hsa-miR-135b-5p	hsa-miR-31-5p	
BMPR2	659	NM_001204	hsa-miR-135b-5p	hsa-miR-31-5p	
NOS1	4842	NM_001204218	hsa-miR-135b-5p	hsa-miR-31-5p	
CAMK2D	817	NM_001221	hsa-miR-135b-5p	hsa-miR-31-5p	
ERG	2078	NM_001243428	hsa-miR-187-3p	hsa-miR-31-5p	
ORAI2	80228	NM_001271818	hsa-miR-187-3p	hsa-miR-31-5p	
ACADSB	36	NM_001609	hsa-miR-135b-5p	hsa-miR-31-5p	
ENTPD1	953	NM_001776	hsa-miR-135b-5p	hsa-miR-31-5p	
SLC31A1	1317	NM_001859	hsa-miR-135b-5p	hsa-miR-31-5p	
CPM	1368	NM_001874	hsa-miR-187-3p	hsa-miR-31-5p	
FMOD	2331	NM_002023	hsa-miR-135b-5p	hsa-miR-31-5p	
CXCL9	4283	NM_002416	hsa-miR-135b-5p	hsa-miR-31-5p	
MTAP	4507	NM_002451	hsa-miR-187-3p	hsa-miR-31-5p	
OAS2	4939	NM_002535	hsa-miR-135b-5p	hsa-miR-31-5p	
PLAG1	5324	NM_002655	hsa-miR-135b-5p	hsa-miR-31-5p	
PPP2R1B	5519	NM_002716	hsa-miR-135b-5p	hsa-miR-31-5p	
PTPN1	5770	NM_002827	hsa-miR-135b-5p	hsa-miR-31-5p	
SLC1A4	6509	NM_003038	hsa-miR-135b-5p	hsa-miR-31-5p	
SNX1	6642	NM_003099	hsa-miR-135b-5p	hsa-miR-31-5p	
SOX11	6664	NM_003108	hsa-miR-31-5p	hsa-miR-187-3p	
SP3	6670	NM_003111	hsa-miR-135b-5p	hsa-miR-187-3p	
SEC62	7095	NM_003262	hsa-miR-135b-5p	hsa-miR-31-5p	
TUB	7275	NM_003320	hsa-miR-135b-5p	hsa-miR-31-5p	
UBE2H	7328	NM_003344	hsa-miR-135b-5p	hsa-miR-31-5p	
KLF7	8609	NM_003709	hsa-miR-31-5p	hsa-miR-187-3p	
USP13	8975	NM_003940	hsa-miR-31-5p	hsa-miR-187-3p	
EFNB2	1948	NM_004093	hsa-miR-135b-5p	hsa-miR-187-3p	
RAB27B	5874	NM_004163	hsa-miR-135b-5p	hsa-miR-31-5p	

<b>Gene</b>	<b>EntrezID</b>	<b>RefseqID</b>	<b>miR number 1</b>	<b>miR number 2</b>	<b>miR number 3</b>
SLC1A2	6506	NM_004171	hsa-miR-31-5p	hsa-miR-187-3p	
SPOCK1	6695	NM_004598	hsa-miR-135b-5p	hsa-miR-31-5p	
MAP3K13	9175	NM_004721	hsa-miR-187-3p	hsa-miR-31-5p	
VAPB	9217	NM_004738	hsa-miR-135b-5p	hsa-miR-31-5p	
LITAF	9516	NM_004862	hsa-miR-135b-5p	hsa-miR-31-5p	
PPARA	5465	NM_005036	hsa-miR-135b-5p	hsa-miR-31-5p	
CNTN2	6900	NM_005076	hsa-miR-135b-5p	hsa-miR-31-5p	
TBX19	9095	NM_005149	hsa-miR-135b-5p	hsa-miR-31-5p	
TSPAN3	10099	NM_005724	hsa-miR-187-3p	hsa-miR-31-5p	
CTDSP2	10106	NM_005730	hsa-miR-135b-5p	hsa-miR-31-5p	
ATP9A	10079	NM_006045	hsa-miR-135b-5p	hsa-miR-187-3p	
ATP8A1	10396	NM_006095	hsa-miR-135b-5p	hsa-miR-31-5p	
NSF	4905	NM_006178	hsa-miR-135b-5p	hsa-miR-31-5p	
PFKFB2	5208	NM_006212	hsa-miR-135b-5p	hsa-miR-31-5p	
PRKAA2	5563	NM_006252	hsa-miR-187-3p	hsa-miR-31-5p	
SLC16A2	6567	NM_006517	hsa-miR-135b-5p	hsa-miR-31-5p	
RASA4	10156	NM_006989	hsa-miR-187-3p	hsa-miR-31-5p	
TEP1	7011	NM_007110	hsa-miR-135b-5p	hsa-miR-31-5p	
RNF24	11237	NM_007219	hsa-miR-135b-5p	hsa-miR-31-5p	
ABL2	27	NM_007314	hsa-miR-187-3p	hsa-miR-31-5p	
PADI2	11240	NM_007365	hsa-miR-135b-5p	hsa-miR-31-5p	
TRAM2	9697	NM_012288	hsa-miR-135b-5p	hsa-miR-31-5p	
DDX58	23586	NM_014314	hsa-miR-135b-5p	hsa-miR-31-5p	
TFCP2L1	29842	NM_014553	hsa-miR-135b-5p	hsa-miR-31-5p	
FRMPD4	9758	NM_014728	hsa-miR-135b-5p	hsa-miR-31-5p	
RNF144A	9781	NM_014746	hsa-miR-135b-5p	hsa-miR-31-5p	
CD302	9936	NM_014880	hsa-miR-135b-5p	hsa-miR-31-5p	
OTUD3	23252	NM_015207	hsa-miR-135b-5p	hsa-miR-31-5p	
KLF13	51621	NM_015995	hsa-miR-135b-5p	hsa-miR-31-5p	
PGPEP1	54858	NM_017712	hsa-miR-135b-5p	hsa-miR-31-5p	
UHRF1BP1	54887	NM_017754	hsa-miR-135b-5p	hsa-miR-31-5p	
NCLN	56926	NM_020170	hsa-miR-135b-5p	hsa-miR-31-5p	
NLN	57486	NM_020726	hsa-miR-187-3p	hsa-miR-31-5p	
SCN2A	6326	NM_021007	hsa-miR-135b-5p	hsa-miR-31-5p	
ADCY1	107	NM_021116	hsa-miR-135b-5p	hsa-miR-31-5p	
C22orf29	79680	NM_024627	hsa-miR-135b-5p	hsa-miR-31-5p	

<b>Gene</b>	<b>EntrezID</b>	<b>RefseqID</b>	<b>miR number 1</b>	<b>miR number 2</b>	<b>miR number 3</b>
THSD4	79875	NM_024817	hsa-miR-135b-5p	hsa-miR-187-3p	
CCDC170	80129	NM_025059	hsa-miR-135b-5p	hsa-miR-187-3p	
ATP10B	23120	NM_025153	hsa-miR-135b-5p	hsa-miR-31-5p	
PLXNA2	5362	NM_025179	hsa-miR-31-5p	hsa-miR-187-3p	
RAB1B	81876	NM_030981	hsa-miR-135b-5p	hsa-miR-31-5p	
SH3BGRL2	83699	NM_031469	hsa-miR-135b-5p	hsa-miR-31-5p	
ZIC4	84107	NM_032153	hsa-miR-135b-5p	hsa-miR-31-5p	
LCOR	84458	NM_032440	hsa-miR-135b-5p	hsa-miR-31-5p	
DTNA	1837	NM_032975	hsa-miR-135b-5p	hsa-miR-31-5p	
SP1	6667	NM_138473	hsa-miR-135b-5p	hsa-miR-31-5p	
VANGL1	81839	NM_138959	hsa-miR-135b-5p	hsa-miR-31-5p	
SLFN13	146857	NM_144682	hsa-miR-135b-5p	hsa-miR-31-5p	
CTSC	1075	NM_148170	hsa-miR-135b-5p	hsa-miR-31-5p	
SPRED1	161742	NM_152594	hsa-miR-135b-5p	hsa-miR-31-5p	
ZNF555	148254	NM_152791	hsa-miR-187-3p	hsa-miR-31-5p	
CACUL1	143384	NM_153810	hsa-miR-135b-5p	hsa-miR-31-5p	
RASAL2	9462	NM_170692	hsa-miR-31-5p	hsa-miR-187-3p	
CLCN3	1182	NM_173872	hsa-miR-135b-5p	hsa-miR-31-5p	
CCDC50	152137	NM_178335	hsa-miR-135b-5p	hsa-miR-31-5p	
MED22	6837	NM_181491	hsa-miR-135b-5p	hsa-miR-31-5p	
CMTM4	146223	NM_181521	hsa-miR-187-3p	hsa-miR-31-5p	
LONRF2	164832	NM_198461	hsa-miR-187-3p	hsa-miR-31-5p	
GAS7	8522	NM_201433	hsa-miR-135b-5p	hsa-miR-187-3p	
SLC23A2	9962	NM_203327	hsa-miR-135b-5p	hsa-miR-31-5p	
QKI	9444	NM_206855	hsa-miR-135b-5p	hsa-miR-31-5p	
PPP1R12B	4660	XM_005245201	hsa-miR-135b-5p	hsa-miR-31-5p	
NAV1	89796	XM_005245572	hsa-miR-187-3p	hsa-miR-31-5p	
EPB41	2035	XM_005245753	hsa-miR-135b-5p	hsa-miR-31-5p	
ERBB4	2066	XM_005246375	hsa-miR-135b-5p	hsa-miR-31-5p	
ITGAV	3685	XM_005246536	hsa-miR-135b-5p	hsa-miR-31-5p	
ATP8A1	10396	XM_005248043	hsa-miR-135b-5p	hsa-miR-31-5p	
PDZD2	23037	XM_005248269	hsa-miR-135b-5p	hsa-miR-31-5p	
OTUD6B	51633	XM_005250970	hsa-miR-135b-5p	hsa-miR-31-5p	
PIP4K2A	5305	XM_005252470	hsa-miR-135b-5p	hsa-miR-31-5p	
CELF1	10658	XM_005252758	hsa-miR-187-3p	hsa-miR-31-5p	
PIK3C2A	5286	XM_005252978	hsa-miR-135b-5p	hsa-miR-31-5p	

<b>Gene</b>	<b>EntrezID</b>	<b>RefseqID</b>	<b>miR number 1</b>	<b>miR number 2</b>	<b>miR number 3</b>
RIMKLB	57494	XM_005253436	hsa-miR-187-3p	hsa-miR-31-5p	
KCNA6	3742	XM_005253686	hsa-miR-135b-5p	hsa-miR-31-5p	
TLN2	83660	XM_005254709	hsa-miR-135b-5p	hsa-miR-31-5p	
PDPK1	5170	XM_005255356	hsa-miR-135b-5p	hsa-miR-31-5p	
CRAMP1L	57585	XM_005255459	hsa-miR-135b-5p	hsa-miR-31-5p	
PHOSPH01	162466	XM_005257107	hsa-miR-135b-5p	hsa-miR-31-5p	
SSH2	85464	XM_005258058	hsa-miR-135b-5p	hsa-miR-31-5p	
SSH2	85464	XM_005258059	hsa-miR-135b-5p	hsa-miR-31-5p	
AQP4	361	XM_005258257	hsa-miR-187-3p	hsa-miR-31-5p	
ZHX3	23051	XM_005260343	hsa-miR-135b-5p	hsa-miR-31-5p	
TNRC6B	23112	XM_005261393	hsa-miR-31-5p	hsa-miR-187-3p	
RBFOX2	23543	XM_005261428	hsa-miR-135b-5p	hsa-miR-31-5p	
AFF1	4299	XM_005263009	hsa-miR-135b-5p	hsa-miR-31-5p	
AFF1	4299	XM_005263010	hsa-miR-135b-5p	hsa-miR-31-5p	
RAB11FIP5	26056	XM_005264252	hsa-miR-187-3p	hsa-miR-31-5p	
CLIP4	79745	XM_005264561	hsa-miR-135b-5p	hsa-miR-31-5p	
SERTAD2	9792	XM_005264669	hsa-miR-135b-5p	hsa-miR-31-5p	
ATP2B2	491	XM_005265179	hsa-miR-135b-5p	hsa-miR-31-5p	
EIF2S1	1965	XM_005267390	hsa-miR-135b-5p	hsa-miR-187-3p	
FLRT2	23768	XM_005267490	hsa-miR-135b-5p	hsa-miR-187-3p	
SH3PXD2A	9644	XM_005270294	hsa-miR-135b-5p	hsa-miR-31-5p	
APC	324	XM_005271975	hsa-miR-135b-5p	hsa-miR-31-5p	
DDX3X	1654	XM_005272592	hsa-miR-135b-5p	hsa-miR-31-5p	
AR	367	NM_000044	hsa-miR-135b-5p	hsa-miR-31-5p	

**Supplementary Table 6.** Predicted mRNA targets of differentially expressed microRNAs that are increased in both neosquamous and Barrett's mucosa relative to normal squamous mucosa.

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
ENTPD1	953	NM_001776	hsa-miR-135a-5p	hsa-miR-136-3p	hsa-miR-214-5p	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p
PPARA	5465	NM_005036	hsa-miR-135a-5p	hsa-miR-136-3p	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-223-5p	hsa-miR-424-5p	
ZNF84	7637	XM_005266185	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p	
TAP2	6891	NM_000544	hsa-miR-135a-5p	hsa-miR-136-3p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p		
LDLRAD4	753	NM_001003674	hsa-miR-135a-5p	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p		
CACNB4	785	NM_001005747	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-409-3p		
ZBTB10	65986	NM_001105539	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p		
ACOX1	51	NM_001185039	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p		
POU2F1	5451	NM_001198783	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p		
SOX11	6664	NM_003108	hsa-miR-127-3p	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-376c-3p		
SLC1A2	6506	NM_004171	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-424-5p		
ONECUT2	9480	NM_004852	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p		
SNTB2	6645	NM_006750	hsa-miR-135a-5p	hsa-miR-136-3p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p		
SLC35D1	23169	NM_015139	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p		
RAB22A	57403	NM_020673	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-409-3p		
ING5	84289	NM_032329	hsa-miR-127-3p	hsa-miR-136-3p	hsa-miR-214-5p	hsa-miR-376c-3p	hsa-miR-424-5p		
PPARGC1B	133522	NM_133263	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-424-5p		
ZNF704	619279	XM_005251279	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-409-3p	hsa-miR-424-5p		
MRPS25	64432	XM_005265401	hsa-miR-127-3p	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-424-5p		
IGF1R	3480	NM_000875	hsa-miR-214-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p			

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
PGR	5241	NM_000926	hsa-miR-135a-5p	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-409-3p			
KIAA2018	205717	NM_001009899	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-409-3p			
SLC4A8	9498	NM_001039960	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-376c-3p	hsa-miR-424-5p			
UBXN2B	137886	NM_001077619	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-409-3p			
TMEM170B	100113407	NM_001100829	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-409-3p			
MPPED2	744	NM_001145399	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-376c-3p	hsa-miR-409-3p			
CFLAR	8837	NM_001202519	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-409-3p			
BMPR2	659	NM_001204	hsa-miR-135a-5p	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-409-3p			
CLOCK	9575	NM_001267843	hsa-miR-199a-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p			
ORAI2	80228	NM_001271818	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-376c-3p	hsa-miR-424-5p			
CPD	1362	NM_001304	hsa-miR-135a-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p			
AFF2	2334	NM_002025	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-223-5p	hsa-miR-409-3p			
PLAG1	5324	NM_002655	hsa-miR-135a-5p	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-424-5p			
PRKCA	5578	NM_002737	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-223-5p	hsa-miR-409-3p			
PTPN4	5775	NM_002830	hsa-miR-135a-5p	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-424-5p			
PVRL1	5818	NM_002855	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-424-5p			
SNX1	6642	NM_003099	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-409-3p	hsa-miR-424-5p			
SSR1	6745	NM_003144	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p			
SEC62	7095	NM_003262	hsa-miR-135a-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p			
KLF7	8609	NM_003709	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-424-5p			
CDS2	8760	NM_003818	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-424-5p			
SEMA5A	9037	NM_003966	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p			

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
MAP3K13	9175	NM_004721	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-409-3p			
KIF3B	9371	NM_004798	hsa-miR-127-3p	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-424-5p			
GFRA1	2674	NM_005264	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-223-5p	hsa-miR-409-3p			
PFKFB2	5208	NM_006212	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-376c-3p	hsa-miR-409-3p			
ZNF81	347344	NM_007137	hsa-miR-199a-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p			
SLC7A11	23657	NM_014331	hsa-miR-136-3p	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-376c-3p			
SOX6	55553	NM_017508	hsa-miR-199a-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p			
STRBP	55342	NM_018387	hsa-miR-135a-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p			
CHST11	50515	NM_018413	hsa-miR-135a-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p			
TEAD1	7003	NM_021961	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p			
CYBRD1	79901	NM_024843	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-223-5p	hsa-miR-424-5p			
CDC14B	8555	NM_033331	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-424-5p			
RFX3	5991	NM_134428	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-409-3p	hsa-miR-424-5p			
PGM2L1	283209	NM_173582	hsa-miR-135a-5p	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p			
ZNF776	284309	NM_173632	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-409-3p			
YIPF6	286451	NM_173834	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-223-5p	hsa-miR-424-5p			
MED22	6837	NM_181491	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-424-5p			
QKI	9444	NM_206855	hsa-miR-135a-5p	hsa-miR-223-5p	hsa-miR-409-3p	hsa-miR-424-5p			
PPP1R12B	4660	XM_005245201	hsa-miR-135a-5p	hsa-miR-223-5p	hsa-miR-409-3p	hsa-miR-424-5p			
BTBD9	114781	XM_005248841	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-424-5p			
TNRC6B	23112	XM_005261393	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-409-3p	hsa-miR-424-5p			
ATP7A	538	XM_005262147	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-409-3p	hsa-miR-424-5p			

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
PAX8	7849	XM_005263758	hsa-miR-127-3p	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-424-5p			
ATP2B2	491	XM_005265179	hsa-miR-135a-5p	hsa-miR-136-3p	hsa-miR-199a-5p	hsa-miR-424-5p			
SH3PXD2A	9644	XM_005270294	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-409-3p			
RPS6KA3	6197	XM_005274574	hsa-miR-135a-5p	hsa-miR-223-5p	hsa-miR-409-3p	hsa-miR-424-5p			
ATP7A	538	XM_005277809	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-409-3p	hsa-miR-424-5p			
MTR	4548	NM_000254	hsa-miR-135a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
MYO5A	4644	NM_000259	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
SGCD	6444	NM_000337	hsa-miR-199a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
TPMT	7172	NM_000367	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-223-5p				
PHEX	5251	NM_000444	hsa-miR-135a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
DCX	1641	NM_000555	hsa-miR-199a-5p	hsa-miR-376c-3p	hsa-miR-424-5p				
GRIK3	2899	NM_000831	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-424-5p				
ATP2B4	493	NM_001001396	hsa-miR-135a-5p	hsa-miR-223-5p	hsa-miR-376c-3p				
RAB11FIP1	80223	NM_001002814	hsa-miR-199a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
IRGQ	126298	NM_001007561	hsa-miR-214-5p	hsa-miR-376c-3p	hsa-miR-409-3p				
IBA57	200205	NM_001010867	hsa-miR-199a-5p	hsa-miR-376c-3p	hsa-miR-424-5p				
NCMAP	400746	NM_001010980	hsa-miR-135a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
TFAP2A	7020	NM_001032280	hsa-miR-223-5p	hsa-miR-409-3p	hsa-miR-424-5p				
CEP85L	387119	NM_001042475	hsa-miR-135a-5p	hsa-miR-223-5p	hsa-miR-424-5p				
KDM5A	5927	NM_001042603	hsa-miR-135a-5p	hsa-miR-136-3p	hsa-miR-223-5p				
SLC35E2B	728661	NM_001110781	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
CBX5	23468	NM_001127322	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-223-5p				

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
VPS53	55275	NM_001128159	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-214-5p				
AFAP1	60312	NM_001134647	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
C22orf46	79640	NM_001142964	hsa-miR-214-5p	hsa-miR-223-5p	hsa-miR-409-3p				
CDK6	1021	NM_001145306	hsa-miR-214-5p	hsa-miR-409-3p	hsa-miR-424-5p				
SH3BP2	6452	NM_001145855	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-424-5p				
DISC1	27185	NM_001164537	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-214-5p				
IL16	3603	NM_001172128	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-409-3p				
TFDP2	7029	NM_001178138	hsa-miR-127-3p	hsa-miR-135a-5p	hsa-miR-424-5p				
CD84	8832	NM_001184879	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-223-5p				
TOR1AIP2	163590	NM_001199260	hsa-miR-136-3p	hsa-miR-214-5p	hsa-miR-409-3p				
ADCYAP1R1	117	NM_001199635	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-424-5p				
RNF213	57674	NM_001256071	hsa-miR-135a-5p	hsa-miR-136-3p	hsa-miR-214-5p				
KLHL3	26249	NM_001257194	hsa-miR-199a-5p	hsa-miR-376c-3p	hsa-miR-424-5p				
SLC9A8	23315	NM_001260491	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
RPS6KB1	6198	NM_001272044	hsa-miR-135a-5p	hsa-miR-376c-3p	hsa-miR-424-5p				
LZTFL1	54585	NM_001276378	hsa-miR-214-5p	hsa-miR-376c-3p	hsa-miR-424-5p				
SMC1A	8243	NM_001281463	hsa-miR-127-3p	hsa-miR-135a-5p	hsa-miR-214-5p				
ELAVL1	1994	NM_001419	hsa-miR-199a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
ACADSBB	36	NM_001609	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-409-3p				
ATP6V1C1	528	NM_001695	hsa-miR-135a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
CCND2	894	NM_001759	hsa-miR-135a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
MASP1	5648	NM_001879	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-424-5p				

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
DRP2	1821	NM_001939	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-424-5p				
MDM4	4194	NM_002393	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-424-5p				
PMP2	5375	NM_002677	hsa-miR-214-5p	hsa-miR-223-5p	hsa-miR-409-3p				
PTPRJ	5795	NM_002843	hsa-miR-199a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
RAB3B	5865	NM_002867	hsa-miR-136-3p	hsa-miR-223-5p	hsa-miR-424-5p				
RAD23B	5887	NM_002874	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
ITSN1	6453	NM_003024	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-214-5p				
SP3	6670	NM_003111	hsa-miR-135a-5p	hsa-miR-223-5p	hsa-miR-409-3p				
TUB	7275	NM_003320	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-214-5p				
UBE2H	7328	NM_003344	hsa-miR-135a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
ZIC1	7545	NM_003412	hsa-miR-199a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
MFAP5	8076	NM_003480	hsa-miR-135a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
EFNB2	1948	NM_004093	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-424-5p				
RAB27B	5874	NM_004163	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-214-5p				
STX3	6809	NM_004177	hsa-miR-136-3p	hsa-miR-199a-5p	hsa-miR-424-5p				
DUSP8	1850	NM_004420	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
SYNGR1	9145	NM_004711	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
VAPB	9217	NM_004738	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
RELN	5649	NM_005045	hsa-miR-135a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
PDCL	5082	NM_005388	hsa-miR-135a-5p	hsa-miR-223-5p	hsa-miR-424-5p				
EVI5	7813	NM_005665	hsa-miR-135a-5p	hsa-miR-223-5p	hsa-miR-424-5p				
GOLGA3	2802	NM_005895	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-376c-3p				

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
PRKAA2	5563	NM_006252	hsa-miR-214-5p	hsa-miR-376c-3p	hsa-miR-409-3p				
SLC5A3	6526	NM_006933	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-424-5p				
ADAMTS5	11096	NM_007038	hsa-miR-223-5p	hsa-miR-409-3p	hsa-miR-424-5p				
ABL2	27	NM_007314	hsa-miR-223-5p	hsa-miR-409-3p	hsa-miR-424-5p				
MGAT4A	11320	NM_012214	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-424-5p				
ATP6V0A2	23545	NM_012463	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p				
TFCP2L1	29842	NM_014553	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
RNF144A	9781	NM_014746	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
NUAK1	9891	NM_014840	hsa-miR-135a-5p	hsa-miR-376c-3p	hsa-miR-424-5p				
ZNF609	23060	NM_015042	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-424-5p				
CEP68	23177	NM_015147	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
KIAA1024	23251	NM_015206	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-409-3p				
KIAA1045	23349	NM_015297	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
RIMBP2	23504	NM_015347	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-424-5p				
PTCD1	26024	NM_015545	hsa-miR-136-3p	hsa-miR-214-5p	hsa-miR-409-3p				
PHF19	26147	NM_015651	hsa-miR-135a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
ST8SIA3	51046	NM_015879	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
PHF20	51230	NM_016436	hsa-miR-223-5p	hsa-miR-376c-3p	hsa-miR-424-5p				
PGPEP1	54858	NM_017712	hsa-miR-127-3p	hsa-miR-135a-5p	hsa-miR-214-5p				
WBP1L	54838	NM_017787	hsa-miR-136-3p	hsa-miR-214-5p	hsa-miR-424-5p				
IPO9	55705	NM_018085	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p				
IMPACT	55364	NM_018439	hsa-miR-214-5p	hsa-miR-376c-3p	hsa-miR-409-3p				

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
LYRM2	57226	NM_020466	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-409-3p				
USP31	57478	NM_020718	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-424-5p				
NUFIP2	57532	NM_020772	hsa-miR-223-5p	hsa-miR-409-3p	hsa-miR-424-5p				
ADCY1	107	NM_021116	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
BACH2	60468	NM_021813	hsa-miR-199a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
CSNK1G1	53944	NM_022048	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-409-3p				
DGCR14	8220	NM_022719	hsa-miR-136-3p	hsa-miR-214-5p	hsa-miR-424-5p				
HIPK2	28996	NM_022740	hsa-miR-199a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
C6orf106	64771	NM_024294	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
C22orf29	79680	NM_024627	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
THSD4	79875	NM_024817	hsa-miR-135a-5p	hsa-miR-136-3p	hsa-miR-424-5p				
PLXNA2	5362	NM_025179	hsa-miR-127-3p	hsa-miR-135a-5p	hsa-miR-199a-5p				
C1orf21	81563	NM_030806	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-409-3p				
CACNG8	59283	NM_031895	hsa-miR-214-5p	hsa-miR-223-5p	hsa-miR-424-5p				
LRRC8C	84230	NM_032270	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-376c-3p				
CDHR1	92211	NM_033100	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-409-3p				
KRAS	3845	NM_033360	hsa-miR-199a-5p	hsa-miR-376c-3p	hsa-miR-424-5p				
PALM2	114299	NM_053016	hsa-miR-214-5p	hsa-miR-223-5p	hsa-miR-409-3p				
MYLK	4638	NM_053025	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p				
STK35	140901	NM_080836	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
RORA	6095	NM_134260	hsa-miR-135a-5p	hsa-miR-136-3p	hsa-miR-409-3p				
VANGL1	81839	NM_138959	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-409-3p				

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
ZDHHC15	158866	NM_144969	hsa-miR-135a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
CTSC	1075	NM_148170	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-424-5p				
DOK6	220164	NM_152721	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-376c-3p				
CACUL1	143384	NM_153810	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-214-5p				
RASAL2	9462	NM_170692	hsa-miR-135a-5p	hsa-miR-223-5p	hsa-miR-424-5p				
IFNLR1	163702	NM_170743	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
CTAGE1	64693	NM_172241	hsa-miR-199a-5p	hsa-miR-376c-3p	hsa-miR-424-5p				
GABRG1	2565	NM_173536	hsa-miR-135a-5p	hsa-miR-223-5p	hsa-miR-376c-3p				
CLCN3	1182	NM_173872	hsa-miR-135a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
CCDC50	152137	NM_178335	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-424-5p				
PIK3R1	5295	NM_181523	hsa-miR-199a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
UBE2D3	7323	NM_181892	hsa-miR-135a-5p	hsa-miR-223-5p	hsa-miR-409-3p				
GNAL	2774	NM_182978	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
GAS7	8522	NM_201433	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
NFASC	23114	XM_005244973	hsa-miR-214-5p	hsa-miR-409-3p	hsa-miR-424-5p				
QSOX1	5768	XM_005245375	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
ERBB4	2066	XM_005246375	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-409-3p				
IKZF2	22807	XM_005246383	hsa-miR-135a-5p	hsa-miR-376c-3p	hsa-miR-424-5p				
WHSC1	7468	XM_005248004	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
RGS7BP	401190	XM_005248503	hsa-miR-214-5p	hsa-miR-223-5p	hsa-miR-409-3p				
SCUBE3	222663	XM_005248943	hsa-miR-135a-5p	hsa-miR-223-5p	hsa-miR-424-5p				
NTRK2	4915	XM_005252001	hsa-miR-135a-5p	hsa-miR-223-5p	hsa-miR-424-5p				

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
RC3H2	54542	XM_005252056	hsa-miR-135a-5p	hsa-miR-376c-3p	hsa-miR-409-3p				
RORB	6096	XM_005252129	hsa-miR-376c-3p	hsa-miR-409-3p	hsa-miR-424-5p				
KCTD10	83892	XM_005253945	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-214-5p				
SMAD3	4088	XM_005254383	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-424-5p				
BMF	90427	XM_005254758	hsa-miR-214-5p	hsa-miR-409-3p	hsa-miR-424-5p				
MCTP2	55784	XM_005254956	hsa-miR-199a-5p	hsa-miR-223-5p	hsa-miR-424-5p				
PDPK1	5170	XM_005255356	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
GSE1	23199	XM_005255859	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-424-5p				
KIAA0513	9764	XM_005256265	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-409-3p				
SCN4A	6329	XM_005257566	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
ZHX3	23051	XM_005260343	hsa-miR-135a-5p	hsa-miR-136-3p	hsa-miR-424-5p				
MTHFR	4524	XM_005263459	hsa-miR-127-3p	hsa-miR-223-5p	hsa-miR-424-5p				
H6PD	9563	XM_005263539	hsa-miR-199a-5p	hsa-miR-376c-3p	hsa-miR-424-5p				
CPLX2	10814	XM_005265800	hsa-miR-135a-5p	hsa-miR-214-5p	hsa-miR-376c-3p				
KLF12	11278	XM_005266251	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-409-3p				
AMER2	219287	XM_005266279	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-223-5p				
UTRN	7402	XM_005267129	hsa-miR-135a-5p	hsa-miR-376c-3p	hsa-miR-424-5p				
PPM1A	5494	XM_005267777	hsa-miR-135a-5p	hsa-miR-409-3p	hsa-miR-424-5p				
STK32A	202374	XM_005268385	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-214-5p				
ARHGAP26	23092	XM_005268398	hsa-miR-199a-5p	hsa-miR-376c-3p	hsa-miR-424-5p				
RPS14	6208	XM_005268495	hsa-miR-214-5p	hsa-miR-409-3p	hsa-miR-424-5p				
ATF7	11016	XM_005268586	hsa-miR-223-5p	hsa-miR-409-3p	hsa-miR-424-5p				

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
HSPA12A	259217	XM_005269672	hsa-miR-135a-5p	hsa-miR-199a-5p	hsa-miR-409-3p				
ZC3H12C	85463	XM_005271715	hsa-miR-223-5p	hsa-miR-409-3p	hsa-miR-424-5p				
GRB10	2887	XM_005271760	hsa-miR-199a-5p	hsa-miR-214-5p	hsa-miR-424-5p				
CYP1B1	1545	NM_000104	hsa-miR-409-3p	hsa-miR-424-5p					
PAX6	5080	NM_000280	hsa-miR-223-5p	hsa-miR-409-3p					
PMM2	5373	NM_000303	hsa-miR-127-3p	hsa-miR-214-5p					
PEX2	5828	NM_000318	hsa-miR-214-5p	hsa-miR-223-5p					
RS1	6247	NM_000330	hsa-miR-214-5p	hsa-miR-223-5p					
ATXN1	6310	NM_000332	hsa-miR-135a-5p	hsa-miR-376c-3p					
TIMP3	7078	NM_000362	hsa-miR-135a-5p	hsa-miR-223-5p					
MID1	4281	NM_000381	hsa-miR-135a-5p	hsa-miR-214-5p					
IL2RA	3559	NM_000417	hsa-miR-409-3p	hsa-miR-424-5p					
PAFAH1B1	5048	NM_000430	hsa-miR-199a-5p	hsa-miR-424-5p					
RHO	6010	NM_000539	hsa-miR-135a-5p	hsa-miR-199a-5p					
SFTPB	6439	NM_000542	hsa-miR-223-5p	hsa-miR-424-5p					
IL6R	3570	NM_000565	hsa-miR-376c-3p	hsa-miR-424-5p					
CD44	960	NM_000610	hsa-miR-214-5p	hsa-miR-409-3p					
IFNAR1	3454	NM_000629	hsa-miR-199a-5p	hsa-miR-424-5p					
BCL2	596	NM_000633	hsa-miR-135a-5p	hsa-miR-199a-5p					
ABAT	18	NM_000663	hsa-miR-135a-5p	hsa-miR-214-5p					
CHRNB2	1141	NM_000748	hsa-miR-214-5p	hsa-miR-424-5p					
GUCY1A3	2982	NM_000856	hsa-miR-135a-5p	hsa-miR-409-3p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
IGF2R	3482	NM_000876	hsa-miR-136-3p	hsa-miR-424-5p					
IL2RB	3560	NM_000878	hsa-miR-409-3p	hsa-miR-424-5p					
PRLR	5618	NM_000949	hsa-miR-135a-5p	hsa-miR-424-5p					
RARB	5915	NM_000965	hsa-miR-135a-5p	hsa-miR-424-5p					
SMAD5	4090	NM_001001419	hsa-miR-135a-5p	hsa-miR-136-3p					
SPOPL	339745	NM_001001664	hsa-miR-223-5p	hsa-miR-376c-3p					
CYP27C1	339761	NM_001001665	hsa-miR-214-5p	hsa-miR-409-3p					
C9orf170	401535	NM_001001709	hsa-miR-214-5p	hsa-miR-424-5p					
SMAD2	4087	NM_001003652	hsa-miR-135a-5p	hsa-miR-409-3p					
C1orf95	375057	NM_001003665	hsa-miR-199a-5p	hsa-miR-214-5p					
SLC6A19	340024	NM_001003841	hsa-miR-199a-5p	hsa-miR-409-3p					
AK4	205	NM_001005353	hsa-miR-135a-5p	hsa-miR-424-5p					
PLCXD3	345557	NM_001005473	hsa-miR-199a-5p	hsa-miR-424-5p					
ZNF780B	163131	NM_001005851	hsa-miR-376c-3p	hsa-miR-424-5p					
WDR35	57539	NM_001006657	hsa-miR-214-5p	hsa-miR-223-5p					
C4orf46	201725	NM_001008393	hsa-miR-135a-5p	hsa-miR-409-3p					
KIAA2022	340533	NM_001008537	hsa-miR-409-3p	hsa-miR-424-5p					
SLC7A2	6542	NM_001008539	hsa-miR-135a-5p	hsa-miR-409-3p					
PM20D2	135293	NM_001010853	hsa-miR-223-5p	hsa-miR-409-3p					
BIRC5	332	NM_001012271	hsa-miR-135a-5p	hsa-miR-424-5p					
MYLK4	340156	NM_001012418	hsa-miR-409-3p	hsa-miR-424-5p					
FOXP4	116113	NM_001012426	hsa-miR-376c-3p	hsa-miR-424-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
GRAMD2	196996	NM_001012642	hsa-miR-199a-5p	hsa-miR-424-5p					
RFFL	117584	NM_001017368	hsa-miR-199a-5p	hsa-miR-424-5p					
CALN1	83698	NM_001017440	hsa-miR-135a-5p	hsa-miR-199a-5p					
RPS23	6228	NM_001025	hsa-miR-214-5p	hsa-miR-223-5p					
SLC35F1	222553	NM_001029858	hsa-miR-135a-5p	hsa-miR-223-5p					
SFMBT2	57713	NM_001029880	hsa-miR-199a-5p	hsa-miR-424-5p					
MAF	4094	NM_001031804	hsa-miR-135a-5p	hsa-miR-214-5p					
STK24	8428	NM_001032296	hsa-miR-214-5p	hsa-miR-424-5p					
ITPR1PL2	162073	NM_001034841	hsa-miR-135a-5p	hsa-miR-199a-5p					
FOXK1	221937	NM_001037165	hsa-miR-199a-5p	hsa-miR-424-5p					
TMPPE	643853	NM_001039770	hsa-miR-214-5p	hsa-miR-424-5p					
PEG10	23089	NM_001040152	hsa-miR-409-3p	hsa-miR-424-5p					
ATF3	467	NM_001040619	hsa-miR-135a-5p	hsa-miR-199a-5p					
FAM228A	653140	NM_001040710	hsa-miR-214-5p	hsa-miR-424-5p					
SLC12A2	6558	NM_001046	hsa-miR-409-3p	hsa-miR-424-5p					
GRIA4	2893	NM_001077243	hsa-miR-135a-5p	hsa-miR-199a-5p					
WIPF1	7456	NM_001077269	hsa-miR-135a-5p	hsa-miR-223-5p					
MYBL1	4603	NM_001080416	hsa-miR-376c-3p	hsa-miR-424-5p					
BEND3	57673	NM_001080450	hsa-miR-199a-5p	hsa-miR-214-5p					
CACTIN	58509	NM_001080543	hsa-miR-199a-5p	hsa-miR-214-5p					
TMEM120B	144404	NM_001080825	hsa-miR-199a-5p	hsa-miR-409-3p					
CRTC1	23373	NM_001098482	hsa-miR-199a-5p	hsa-miR-424-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
PRKG1	5592	NM_001098512	hsa-miR-409-3p	hsa-miR-424-5p					
HEPHL1	341208	NM_001098672	hsa-miR-223-5p	hsa-miR-424-5p					
TMEM236	653567	NM_001098844	hsa-miR-135a-5p	hsa-miR-376c-3p					
XRCC3	7517	NM_001100119	hsa-miR-127-3p	hsa-miR-214-5p					
PHACTR2	9749	NM_001100164	hsa-miR-223-5p	hsa-miR-424-5p					
SAMD12	401474	NM_001101676	hsa-miR-223-5p	hsa-miR-409-3p					
ZFAND5	7763	NM_001102420	hsa-miR-135a-5p	hsa-miR-223-5p					
PAQR5	54852	NM_001104554	hsa-miR-214-5p	hsa-miR-409-3p					
FAM118A	55007	NM_001104595	hsa-miR-214-5p	hsa-miR-409-3p					
FBXO45	200933	NM_001105573	hsa-miR-135a-5p	hsa-miR-214-5p					
PTPRB	5787	NM_001109754	hsa-miR-376c-3p	hsa-miR-409-3p					
IGF1	3479	NM_001111283	hsa-miR-223-5p	hsa-miR-409-3p					
C17orf51	339263	NM_001113434	hsa-miR-199a-5p	hsa-miR-424-5p					
DDX3Y	8653	NM_001122665	hsa-miR-199a-5p	hsa-miR-424-5p					
MAPT	4137	NM_001123066	hsa-miR-136-3p	hsa-miR-214-5p					
SALL1	6299	NM_001127892	hsa-miR-409-3p	hsa-miR-424-5p					
CLCN5	1184	NM_001127899	hsa-miR-135a-5p	hsa-miR-424-5p					
SULF1	23213	NM_001128205	hsa-miR-199a-5p	hsa-miR-409-3p					
SYNPO2	171024	NM_001128933	hsa-miR-135a-5p	hsa-miR-409-3p					
MYB	4602	NM_001130173	hsa-miR-376c-3p	hsa-miR-424-5p					
NDRG4	65009	NM_001130487	hsa-miR-135a-5p	hsa-miR-424-5p					
INPP4A	3631	NM_001134224	hsa-miR-135a-5p	hsa-miR-424-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
RBM20	282996	NM_001134363	hsa-miR-214-5p	hsa-miR-424-5p					
CYB561D1	284613	NM_001134404	hsa-miR-127-3p	hsa-miR-424-5p					
TBCCD1	55171	NM_001134415	hsa-miR-199a-5p	hsa-miR-424-5p					
NFIA	4774	NM_001134673	hsa-miR-223-5p	hsa-miR-409-3p					
LRRC15	131578	NM_001135057	hsa-miR-135a-5p	hsa-miR-199a-5p					
TGFB2	7042	NM_001135599	hsa-miR-136-3p	hsa-miR-376c-3p					
ATP1B4	23439	NM_001142447	hsa-miR-409-3p	hsa-miR-424-5p					
BBX	56987	NM_001142568	hsa-miR-135a-5p	hsa-miR-409-3p					
TNRC6C	57690	NM_001142640	hsa-miR-199a-5p	hsa-miR-424-5p					
LRRC27	80313	NM_001143757	hsa-miR-135a-5p	hsa-miR-424-5p					
SHISA9	729993	NM_001145204	hsa-miR-136-3p	hsa-miR-214-5p					
MKLN1	4289	NM_001145354	hsa-miR-214-5p	hsa-miR-409-3p					
PTPN3	5774	NM_001145369	hsa-miR-135a-5p	hsa-miR-424-5p					
KIAA0226	9711	NM_001145642	hsa-miR-135a-5p	hsa-miR-424-5p					
FKBP5	2289	NM_001145777	hsa-miR-199a-5p	hsa-miR-223-5p					
WWC1	23286	NM_001161661	hsa-miR-214-5p	hsa-miR-424-5p					
VSIG10L	147645	NM_001163922	hsa-miR-214-5p	hsa-miR-424-5p					
C10orf105	414152	NM_001164375	hsa-miR-214-5p	hsa-miR-424-5p					
STAU2	27067	NM_001164384	hsa-miR-135a-5p	hsa-miR-409-3p					
IYD	389434	NM_001164694	hsa-miR-199a-5p	hsa-miR-424-5p					
RASSF8	11228	NM_001164746	hsa-miR-135a-5p	hsa-miR-424-5p					
FAM104B	90736	NM_001166703	hsa-miR-135a-5p	hsa-miR-376c-3p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
CAAP1	79886	NM_001167575	hsa-miR-135a-5p	hsa-miR-424-5p					
ITPR1	3708	NM_001168272	hsa-miR-409-3p	hsa-miR-424-5p					
SLC6A2	6530	NM_001172501	hsa-miR-214-5p	hsa-miR-424-5p					
PRRG1	5638	NM_001173489	hsa-miR-214-5p	hsa-miR-424-5p					
FGFR1	2260	NM_001174064	hsa-miR-376c-3p	hsa-miR-424-5p					
KLF11	8462	NM_001177718	hsa-miR-135a-5p	hsa-miR-376c-3p					
ZFX	7543	NM_001178085	hsa-miR-409-3p	hsa-miR-424-5p					
ALDH7A1	501	NM_001182	hsa-miR-199a-5p	hsa-miR-424-5p					
PEG10	23089	NM_001184961	hsa-miR-409-3p	hsa-miR-424-5p					
PEG10	23089	NM_001184962	hsa-miR-409-3p	hsa-miR-424-5p					
ALS2CL	259173	NM_001190707	hsa-miR-214-5p	hsa-miR-424-5p					
RUNX1T1	862	NM_001198625	hsa-miR-199a-5p	hsa-miR-424-5p					
PI4KB	5298	NM_001198773	hsa-miR-199a-5p	hsa-miR-424-5p					
CDIP1	29965	NM_001199054	hsa-miR-199a-5p	hsa-miR-214-5p					
TBC1D24	57465	NM_001199107	hsa-miR-409-3p	hsa-miR-424-5p					
PDK2	5164	NM_001199898	hsa-miR-135a-5p	hsa-miR-199a-5p					
ALDH7A1	501	NM_001201377	hsa-miR-199a-5p	hsa-miR-424-5p					
ZNF559-ZNF177	100529215	NM_001202425	hsa-miR-199a-5p	hsa-miR-424-5p					
NCR3LG1	374383	NM_001202439	hsa-miR-135a-5p	hsa-miR-199a-5p					
ANKRD12	23253	NM_001204056	hsa-miR-223-5p	hsa-miR-424-5p					
BCL2L11	10018	NM_001204108	hsa-miR-199a-5p	hsa-miR-424-5p					
NOS1	4842	NM_001204218	hsa-miR-135a-5p	hsa-miR-424-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
MAPKAPK3	7867	NM_001243926	hsa-miR-127-3p	hsa-miR-199a-5p					
CD40	958	NM_001250	hsa-miR-135a-5p	hsa-miR-424-5p					
USP15	9958	NM_001252078	hsa-miR-135a-5p	hsa-miR-424-5p					
THRB	7068	NM_001252634	hsa-miR-135a-5p	hsa-miR-409-3p					
RGS5	8490	NM_001254749	hsa-miR-135a-5p	hsa-miR-424-5p					
CERS6	253782	NM_001256126	hsa-miR-376c-3p	hsa-miR-424-5p					
TRIM46	80128	NM_001256599	hsa-miR-199a-5p	hsa-miR-214-5p					
ANKFY1	51479	NM_001257999	hsa-miR-199a-5p	hsa-miR-409-3p					
TP53I11	9537	NM_001258320	hsa-miR-135a-5p	hsa-miR-199a-5p					
RXRB	6257	NM_001270401	hsa-miR-199a-5p	hsa-miR-214-5p					
PSMD11	5717	NM_001270482	hsa-miR-135a-5p	hsa-miR-424-5p					
SLIT3	6586	NM_001271946	hsa-miR-135a-5p	hsa-miR-214-5p					
ZNF468	90333	NM_001277120	hsa-miR-135a-5p	hsa-miR-199a-5p					
ZNF33A	7581	NM_001278171	hsa-miR-376c-3p	hsa-miR-409-3p					
WIPI2	26100	NM_001278299	hsa-miR-199a-5p	hsa-miR-424-5p					
MPP2	4355	NM_001278381	hsa-miR-376c-3p	hsa-miR-424-5p					
GABRB3	2562	NM_001278631	hsa-miR-214-5p	hsa-miR-223-5p					
EMP2	2013	NM_001424	hsa-miR-214-5p	hsa-miR-409-3p					
EXTL3	2137	NM_001440	hsa-miR-199a-5p	hsa-miR-424-5p					
IL10RA	3587	NM_001558	hsa-miR-214-5p	hsa-miR-424-5p					
ACP2	53	NM_001610	hsa-miR-199a-5p	hsa-miR-424-5p					
CEACAM1	634	NM_001712	hsa-miR-214-5p	hsa-miR-223-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
CCR7	1236	NM_001838	hsa-miR-199a-5p	hsa-miR-409-3p					
DSG3	1830	NM_001944	hsa-miR-135a-5p	hsa-miR-424-5p					
FOXO1	2308	NM_002015	hsa-miR-135a-5p	hsa-miR-424-5p					
FMOD	2331	NM_002023	hsa-miR-135a-5p	hsa-miR-214-5p					
KDSR	2531	NM_002035	hsa-miR-409-3p	hsa-miR-424-5p					
GRSF1	2926	NM_002092	hsa-miR-409-3p	hsa-miR-424-5p					
HTT	3064	NM_002111	hsa-miR-214-5p	hsa-miR-424-5p					
HLA-DOA	3111	NM_002119	hsa-miR-127-3p	hsa-miR-135a-5p					
HLF	3131	NM_002126	hsa-miR-199a-5p	hsa-miR-223-5p					
KPNA4	3840	NM_002268	hsa-miR-199a-5p	hsa-miR-424-5p					
TNPO1	3842	NM_002270	hsa-miR-135a-5p	hsa-miR-223-5p					
LAMP2	3920	NM_002294	hsa-miR-409-3p	hsa-miR-424-5p					
MXD1	4084	NM_002357	hsa-miR-214-5p	hsa-miR-376c-3p					
MAFK	7975	NM_002360	hsa-miR-127-3p	hsa-miR-214-5p					
MGAT3	4248	NM_002409	hsa-miR-127-3p	hsa-miR-199a-5p					
MN1	4330	NM_002430	hsa-miR-199a-5p	hsa-miR-409-3p					
CEACAM6	4680	NM_002483	hsa-miR-214-5p	hsa-miR-424-5p					
NPTX1	4884	NM_002522	hsa-miR-135a-5p	hsa-miR-199a-5p					
OPHN1	4983	NM_002547	hsa-miR-199a-5p	hsa-miR-424-5p					
PAPPA	5069	NM_002581	hsa-miR-376c-3p	hsa-miR-424-5p					
PDE2A	5138	NM_002599	hsa-miR-135a-5p	hsa-miR-214-5p					
PPL	5493	NM_002705	hsa-miR-214-5p	hsa-miR-424-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
PPP2R1B	5519	NM_002716	hsa-miR-135a-5p	hsa-miR-424-5p					
PPP2R2A	5520	NM_002717	hsa-miR-376c-3p	hsa-miR-409-3p					
PRKAR2B	5577	NM_002736	hsa-miR-135a-5p	hsa-miR-214-5p					
MAPK1	5594	NM_002745	hsa-miR-223-5p	hsa-miR-424-5p					
RDX	5962	NM_002906	hsa-miR-223-5p	hsa-miR-409-3p					
ABCE1	6059	NM_002940	hsa-miR-135a-5p	hsa-miR-409-3p					
SLC6A6	6533	NM_003043	hsa-miR-199a-5p	hsa-miR-409-3p					
SLC7A1	6541	NM_003045	hsa-miR-223-5p	hsa-miR-424-5p					
SLIT1	6585	NM_003061	hsa-miR-199a-5p	hsa-miR-214-5p					
STC1	6781	NM_003155	hsa-miR-136-3p	hsa-miR-409-3p					
SYK	6850	NM_003177	hsa-miR-135a-5p	hsa-miR-199a-5p					
TAF4	6874	NM_003185	hsa-miR-135a-5p	hsa-miR-223-5p					
TAL1	6886	NM_003189	hsa-miR-199a-5p	hsa-miR-409-3p					
TFAM	7019	NM_003201	hsa-miR-135a-5p	hsa-miR-223-5p					
NFE2L1	4779	NM_003204	hsa-miR-199a-5p	hsa-miR-214-5p					
THBS2	7058	NM_003247	hsa-miR-135a-5p	hsa-miR-424-5p					
TMOD1	7111	NM_003275	hsa-miR-199a-5p	hsa-miR-424-5p					
TNR	7143	NM_003285	hsa-miR-199a-5p	hsa-miR-214-5p					
UNG	7374	NM_003362	hsa-miR-199a-5p	hsa-miR-424-5p					
ZMYM2	7750	NM_003453	hsa-miR-214-5p	hsa-miR-424-5p					
HMGA2	8091	NM_003483	hsa-miR-376c-3p	hsa-miR-424-5p					
SLC7A5	8140	NM_003486	hsa-miR-199a-5p	hsa-miR-424-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
PIK3R3	8503	NM_003629	hsa-miR-135a-5p	hsa-miR-424-5p					
DGKE	8526	NM_003647	hsa-miR-223-5p	hsa-miR-424-5p					
AGPS	8540	NM_003659	hsa-miR-135a-5p	hsa-miR-199a-5p					
IRS2	8660	NM_003749	hsa-miR-223-5p	hsa-miR-424-5p					
TNFRSF10B	8795	NM_003842	hsa-miR-376c-3p	hsa-miR-424-5p					
USP13	8975	NM_003940	hsa-miR-135a-5p	hsa-miR-424-5p					
MPZL1	9019	NM_003953	hsa-miR-214-5p	hsa-miR-424-5p					
RNF8	9025	NM_003958	hsa-miR-223-5p	hsa-miR-424-5p					
ASTN1	460	NM_004319	hsa-miR-214-5p	hsa-miR-424-5p					
EPHA5	2044	NM_004439	hsa-miR-376c-3p	hsa-miR-409-3p					
KIF5C	3800	NM_004522	hsa-miR-409-3p	hsa-miR-424-5p					
NDUFA10	4705	NM_004544	hsa-miR-135a-5p	hsa-miR-199a-5p					
SPOCK1	6695	NM_004598	hsa-miR-135a-5p	hsa-miR-223-5p					
TGFBR1	7046	NM_004612	hsa-miR-135a-5p	hsa-miR-376c-3p					
TSN	7247	NM_004622	hsa-miR-199a-5p	hsa-miR-424-5p					
ATG12	9140	NM_004707	hsa-miR-223-5p	hsa-miR-409-3p					
HS6ST1	9394	NM_004807	hsa-miR-135a-5p	hsa-miR-199a-5p					
LITAF	9516	NM_004862	hsa-miR-135a-5p	hsa-miR-424-5p					
CDH6	1004	NM_004932	hsa-miR-135a-5p	hsa-miR-214-5p					
PDE1A	5136	NM_005019	hsa-miR-135a-5p	hsa-miR-223-5p					
PRKX	5613	NM_005044	hsa-miR-199a-5p	hsa-miR-409-3p					
SIM2	6493	NM_005069	hsa-miR-214-5p	hsa-miR-424-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
CNTN2	6900	NM_005076	hsa-miR-135a-5p	hsa-miR-214-5p					
TRIM25	7706	NM_005082	hsa-miR-199a-5p	hsa-miR-214-5p					
DGCR2	9993	NM_005137	hsa-miR-214-5p	hsa-miR-424-5p					
ACTC1	70	NM_005159	hsa-miR-135a-5p	hsa-miR-376c-3p					
SMAD4	4089	NM_005359	hsa-miR-214-5p	hsa-miR-424-5p					
RND2	8153	NM_005440	hsa-miR-135a-5p	hsa-miR-199a-5p					
GABBR2	9568	NM_005458	hsa-miR-199a-5p	hsa-miR-214-5p					
GJC1	10052	NM_005497	hsa-miR-223-5p	hsa-miR-409-3p					
BCAT1	586	NM_005504	hsa-miR-135a-5p	hsa-miR-409-3p					
NHLH2	4808	NM_005599	hsa-miR-127-3p	hsa-miR-199a-5p					
TERF2	7014	NM_005652	hsa-miR-214-5p	hsa-miR-409-3p					
TRAF1	7185	NM_005658	hsa-miR-214-5p	hsa-miR-424-5p					
TSPAN3	10099	NM_005724	hsa-miR-199a-5p	hsa-miR-424-5p					
ARIH1	25820	NM_005744	hsa-miR-135a-5p	hsa-miR-424-5p					
STX6	10228	NM_005819	hsa-miR-135a-5p	hsa-miR-199a-5p					
SPRY3	10251	NM_005840	hsa-miR-409-3p	hsa-miR-424-5p					
ST8SIA2	8128	NM_006011	hsa-miR-199a-5p	hsa-miR-214-5p					
PREPL	9581	NM_006036	hsa-miR-135a-5p	hsa-miR-214-5p					
ATP9A	10079	NM_006045	hsa-miR-135a-5p	hsa-miR-199a-5p					
ATP8A1	10396	NM_006095	hsa-miR-135a-5p	hsa-miR-424-5p					
MAN2A2	4122	NM_006122	hsa-miR-199a-5p	hsa-miR-424-5p					
DAGLA	747	NM_006133	hsa-miR-214-5p	hsa-miR-424-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
OAS3	4940	NM_006187	hsa-miR-223-5p	hsa-miR-409-3p					
PKN2	5586	NM_006256	hsa-miR-127-3p	hsa-miR-409-3p					
TXNIP	10628	NM_006472	hsa-miR-135a-5p	hsa-miR-424-5p					
YKT6	10652	NM_006555	hsa-miR-127-3p	hsa-miR-424-5p					
POLD3	10714	NM_006591	hsa-miR-135a-5p	hsa-miR-424-5p					
MMP24	10893	NM_006690	hsa-miR-199a-5p	hsa-miR-214-5p					
BTG2	7832	NM_006763	hsa-miR-199a-5p	hsa-miR-424-5p					
ZFHX3	463	NM_006885	hsa-miR-376c-3p	hsa-miR-424-5p					
ZNF28	7576	NM_006969	hsa-miR-199a-5p	hsa-miR-223-5p					
WASF2	10163	NM_006990	hsa-miR-135a-5p	hsa-miR-409-3p					
ABHD2	11057	NM_007011	hsa-miR-214-5p	hsa-miR-424-5p					
TEP1	7011	NM_007110	hsa-miR-135a-5p	hsa-miR-376c-3p					
IRAK3	11213	NM_007199	hsa-miR-214-5p	hsa-miR-376c-3p					
SEC63	11231	NM_007214	hsa-miR-214-5p	hsa-miR-376c-3p					
RNF24	11237	NM_007219	hsa-miR-135a-5p	hsa-miR-424-5p					
MME	4311	NM_007289	hsa-miR-409-3p	hsa-miR-424-5p					
TMED3	23423	NM_007364	hsa-miR-214-5p	hsa-miR-424-5p					
BACE1	23621	NM_012104	hsa-miR-135a-5p	hsa-miR-214-5p					
FZD4	8322	NM_012193	hsa-miR-199a-5p	hsa-miR-424-5p					
SLC35A3	23443	NM_012243	hsa-miR-199a-5p	hsa-miR-214-5p					
KPNA6	23633	NM_012316	hsa-miR-135a-5p	hsa-miR-424-5p					
NFATC2	4773	NM_012340	hsa-miR-223-5p	hsa-miR-424-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
PSD4	23550	NM_012455	hsa-miR-376c-3p	hsa-miR-424-5p					
TLL2	7093	NM_012465	hsa-miR-135a-5p	hsa-miR-424-5p					
YWHAG	7532	NM_012479	hsa-miR-135a-5p	hsa-miR-199a-5p					
YPEL1	29799	NM_013313	hsa-miR-199a-5p	hsa-miR-409-3p					
RAX	30062	NM_013435	hsa-miR-127-3p	hsa-miR-199a-5p					
VCL	7414	NM_014000	hsa-miR-199a-5p	hsa-miR-424-5p					
FLVCR1	28982	NM_014053	hsa-miR-135a-5p	hsa-miR-409-3p					
CNTNAP2	26047	NM_014141	hsa-miR-199a-5p	hsa-miR-409-3p					
NCS1	23413	NM_014286	hsa-miR-199a-5p	hsa-miR-424-5p					
NPTXR	23467	NM_014293	hsa-miR-214-5p	hsa-miR-424-5p					
TBC1D22A	25771	NM_014346	hsa-miR-214-5p	hsa-miR-424-5p					
PTPN18	26469	NM_014369	hsa-miR-214-5p	hsa-miR-424-5p					
TMOD2	29767	NM_014548	hsa-miR-376c-3p	hsa-miR-409-3p					
TMEM97	27346	NM_014573	hsa-miR-135a-5p	hsa-miR-199a-5p					
PPM1F	9647	NM_014634	hsa-miR-199a-5p	hsa-miR-424-5p					
ZNF516	9658	NM_014643	hsa-miR-214-5p	hsa-miR-409-3p					
SART3	9733	NM_014706	hsa-miR-199a-5p	hsa-miR-214-5p					
RIMS3	9783	NM_014747	hsa-miR-409-3p	hsa-miR-424-5p					
TRIM14	9830	NM_014788	hsa-miR-214-5p	hsa-miR-424-5p					
FAM20B	9917	NM_014864	hsa-miR-214-5p	hsa-miR-424-5p					
LMTK2	22853	NM_014916	hsa-miR-135a-5p	hsa-miR-424-5p					
ATG14	22863	NM_014924	hsa-miR-135a-5p	hsa-miR-424-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
RIMS1	22999	NM_014989	hsa-miR-135a-5p	hsa-miR-424-5p					
STK38L	23012	NM_015000	hsa-miR-135a-5p	hsa-miR-409-3p					
PEG10	23089	NM_015068	hsa-miR-409-3p	hsa-miR-424-5p					
FSTL4	23105	NM_015082	hsa-miR-199a-5p	hsa-miR-424-5p					
N4BP3	23138	NM_015111	hsa-miR-199a-5p	hsa-miR-424-5p					
RCOR1	23186	NM_015156	hsa-miR-135a-5p	hsa-miR-424-5p					
DPY19L1	23333	NM_015283	hsa-miR-136-3p	hsa-miR-409-3p					
KHYN	23351	NM_015299	hsa-miR-214-5p	hsa-miR-424-5p					
PSD3	23362	NM_015310	hsa-miR-214-5p	hsa-miR-376c-3p					
PNKD	25953	NM_015488	hsa-miR-199a-5p	hsa-miR-424-5p					
MBD1	4152	NM_015846	hsa-miR-136-3p	hsa-miR-424-5p					
PI15	51050	NM_015886	hsa-miR-135a-5p	hsa-miR-409-3p					
HOOK1	51361	NM_015888	hsa-miR-376c-3p	hsa-miR-409-3p					
TRIM33	51592	NM_015906	hsa-miR-376c-3p	hsa-miR-409-3p					
KLF13	51621	NM_015995	hsa-miR-135a-5p	hsa-miR-214-5p					
HEMK1	51409	NM_016173	hsa-miR-135a-5p	hsa-miR-424-5p					
VGLL3	389136	NM_016206	hsa-miR-376c-3p	hsa-miR-424-5p					
ZNF107	51427	NM_016220	hsa-miR-135a-5p	hsa-miR-409-3p					
EMCN	51705	NM_016242	hsa-miR-136-3p	hsa-miR-424-5p					
CLDN18	51208	NM_016369	hsa-miR-135a-5p	hsa-miR-409-3p					
C9orf114	51490	NM_016390	hsa-miR-199a-5p	hsa-miR-424-5p					
KLF3	51274	NM_016531	hsa-miR-135a-5p	hsa-miR-409-3p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
DNAJC27	51277	NM_016544	hsa-miR-135a-5p	hsa-miR-424-5p					
PDE11A	50940	NM_016953	hsa-miR-199a-5p	hsa-miR-409-3p					
FZD3	7976	NM_017412	hsa-miR-199a-5p	hsa-miR-424-5p					
DIRAS2	54769	NM_017594	hsa-miR-214-5p	hsa-miR-424-5p					
AGO4	192670	NM_017629	hsa-miR-199a-5p	hsa-miR-214-5p					
FERMT1	55612	NM_017671	hsa-miR-214-5p	hsa-miR-424-5p					
CHD7	55636	NM_017780	hsa-miR-135a-5p	hsa-miR-424-5p					
SEPT11	55752	NM_018243	hsa-miR-409-3p	hsa-miR-424-5p					
TMEM106B	54664	NM_018374	hsa-miR-135a-5p	hsa-miR-376c-3p					
PLCXD1	55344	NM_018390	hsa-miR-214-5p	hsa-miR-376c-3p					
LRP1B	53353	NM_018557	hsa-miR-376c-3p	hsa-miR-424-5p					
CEP41	95681	NM_018718	hsa-miR-135a-5p	hsa-miR-409-3p					
HOXA10	3206	NM_018951	hsa-miR-135a-5p	hsa-miR-424-5p					
PCDH18	54510	NM_019035	hsa-miR-135a-5p	hsa-miR-199a-5p					
UGGT1	56886	NM_020120	hsa-miR-214-5p	hsa-miR-424-5p					
AGPAT4	56895	NM_020133	hsa-miR-135a-5p	hsa-miR-376c-3p					
RAD18	56852	NM_020165	hsa-miR-409-3p	hsa-miR-424-5p					
SMURF1	57154	NM_020429	hsa-miR-136-3p	hsa-miR-424-5p					
DOLPP1	57171	NM_020438	hsa-miR-135a-5p	hsa-miR-424-5p					
PTGFRN	5738	NM_020440	hsa-miR-223-5p	hsa-miR-424-5p					
TWSG1	57045	NM_020648	hsa-miR-135a-5p	hsa-miR-223-5p					
ZNF304	57343	NM_020657	hsa-miR-409-3p	hsa-miR-424-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
SHROOM4	57477	NM_020717	hsa-miR-135a-5p	hsa-miR-424-5p					
MIB1	57534	NM_020774	hsa-miR-376c-3p	hsa-miR-424-5p					
ALPK3	57538	NM_020778	hsa-miR-199a-5p	hsa-miR-214-5p					
PACSin1	29993	NM_020804	hsa-miR-214-5p	hsa-miR-409-3p					
KIAA1462	57608	NM_020848	hsa-miR-409-3p	hsa-miR-424-5p					
SHROOM3	57619	NM_020859	hsa-miR-376c-3p	hsa-miR-424-5p					
KIAA1522	57648	NM_020888	hsa-miR-199a-5p	hsa-miR-424-5p					
WNK3	65267	NM_020922	hsa-miR-409-3p	hsa-miR-424-5p					
RET	5979	NM_020975	hsa-miR-409-3p	hsa-miR-424-5p					
SCN2A	6326	NM_021007	hsa-miR-135a-5p	hsa-miR-424-5p					
CRY2	1408	NM_021117	hsa-miR-214-5p	hsa-miR-424-5p					
TNFAIP1	7126	NM_021137	hsa-miR-214-5p	hsa-miR-424-5p					
NEUROD4	58158	NM_021191	hsa-miR-135a-5p	hsa-miR-424-5p					
PLEKHA2	59339	NM_021623	hsa-miR-135a-5p	hsa-miR-376c-3p					
GABRB2	2561	NM_021911	hsa-miR-135a-5p	hsa-miR-223-5p					
ZNF148	7707	NM_021964	hsa-miR-199a-5p	hsa-miR-424-5p					
SEC24A	10802	NM_021982	hsa-miR-199a-5p	hsa-miR-424-5p					
XPNPEP3	63929	NM_022098	hsa-miR-214-5p	hsa-miR-424-5p					
C10orf54	64115	NM_022153	hsa-miR-199a-5p	hsa-miR-424-5p					
TCTA	6988	NM_022171	hsa-miR-135a-5p	hsa-miR-199a-5p					
SLC13A1	6561	NM_022444	hsa-miR-135a-5p	hsa-miR-424-5p					
NSD1	64324	NM_022455	hsa-miR-376c-3p	hsa-miR-424-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
XPO4	64328	NM_022459	hsa-miR-199a-5p	hsa-miR-223-5p					
TNS3	64759	NM_022748	hsa-miR-214-5p	hsa-miR-409-3p					
BCL11A	53335	NM_022893	hsa-miR-135a-5p	hsa-miR-214-5p					
HAPLN4	404037	NM_023002	hsa-miR-199a-5p	hsa-miR-214-5p					
OTUB2	78990	NM_023112	hsa-miR-135a-5p	hsa-miR-199a-5p					
TRPM8	79054	NM_024080	hsa-miR-376c-3p	hsa-miR-409-3p					
ELOVL6	79071	NM_024090	hsa-miR-135a-5p	hsa-miR-424-5p					
ZNF557	79230	NM_024341	hsa-miR-214-5p	hsa-miR-223-5p					
NOTCH2	4853	NM_024408	hsa-miR-409-3p	hsa-miR-424-5p					
ZYG11B	79699	NM_024646	hsa-miR-214-5p	hsa-miR-409-3p					
MOB3B	79817	NM_024761	hsa-miR-199a-5p	hsa-miR-424-5p					
NHEJ1	79840	NM_024782	hsa-miR-214-5p	hsa-miR-424-5p					
SLC35E1	79939	NM_024881	hsa-miR-199a-5p	hsa-miR-214-5p					
DHDDS	79947	NM_024887	hsa-miR-214-5p	hsa-miR-424-5p					
CCDC170	80129	NM_025059	hsa-miR-135a-5p	hsa-miR-214-5p					
NYNRIN	57523	NM_025081	hsa-miR-199a-5p	hsa-miR-424-5p					
OPA3	80207	NM_025136	hsa-miR-199a-5p	hsa-miR-214-5p					
TTYH3	80727	NM_025250	hsa-miR-214-5p	hsa-miR-409-3p					
JHDM1D	80853	NM_030647	hsa-miR-135a-5p	hsa-miR-424-5p					
SETD7	80854	NM_030648	hsa-miR-135a-5p	hsa-miR-376c-3p					
TUBB1	81027	NM_030773	hsa-miR-214-5p	hsa-miR-223-5p					
CSRNP2	81566	NM_030809	hsa-miR-199a-5p	hsa-miR-424-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
THAP2	83591	NM_031435	hsa-miR-409-3p	hsa-miR-424-5p					
SH3BGRL2	83699	NM_031469	hsa-miR-135a-5p	hsa-miR-424-5p					
BCO2	83875	NM_031938	hsa-miR-223-5p	hsa-miR-424-5p					
LDOC1L	84247	NM_032287	hsa-miR-214-5p	hsa-miR-424-5p					
SYT3	84258	NM_032298	hsa-miR-135a-5p	hsa-miR-424-5p					
LCOR	84458	NM_032440	hsa-miR-135a-5p	hsa-miR-409-3p					
PARD6G	84552	NM_032510	hsa-miR-214-5p	hsa-miR-223-5p					
CREB3L3	84699	NM_032607	hsa-miR-199a-5p	hsa-miR-214-5p					
RPUSD4	84881	NM_032795	hsa-miR-223-5p	hsa-miR-376c-3p					
UBASH3B	84959	NM_032873	hsa-miR-214-5p	hsa-miR-376c-3p					
AJUBA	84962	NM_032876	hsa-miR-376c-3p	hsa-miR-424-5p					
ARHGAP19	84986	NM_032900	hsa-miR-135a-5p	hsa-miR-424-5p					
PCDH11X	27328	NM_032968	hsa-miR-223-5p	hsa-miR-409-3p					
PCDH11Y	83259	NM_032973	hsa-miR-223-5p	hsa-miR-409-3p					
DTNA	1837	NM_032975	hsa-miR-135a-5p	hsa-miR-424-5p					
GTPBP10	85865	NM_033107	hsa-miR-376c-3p	hsa-miR-409-3p					
PURB	5814	NM_033224	hsa-miR-135a-5p	hsa-miR-424-5p					
NR6A1	2649	NM_033334	hsa-miR-135a-5p	hsa-miR-376c-3p					
DCLK3	85443	NM_033403	hsa-miR-199a-5p	hsa-miR-424-5p					
FCHSD1	89848	NM_033449	hsa-miR-199a-5p	hsa-miR-424-5p					
TRERF1	55809	NM_033502	hsa-miR-135a-5p	hsa-miR-409-3p					
EPT1	85465	NM_033505	hsa-miR-214-5p	hsa-miR-424-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
BRWD1	54014	NM_033656	hsa-miR-135a-5p	hsa-miR-223-5p					
GNG7	2788	NM_052847	hsa-miR-135a-5p	hsa-miR-214-5p					
GBP4	115361	NM_052941	hsa-miR-135a-5p	hsa-miR-214-5p					
ANTXR2	118429	NM_058172	hsa-miR-135a-5p	hsa-miR-409-3p					
WNT7B	7477	NM_058238	hsa-miR-199a-5p	hsa-miR-214-5p					
COLQ	8292	NM_080538	hsa-miR-199a-5p	hsa-miR-214-5p					
SLC46A1	113235	NM_080669	hsa-miR-199a-5p	hsa-miR-409-3p					
ASB11	140456	NM_080873	hsa-miR-199a-5p	hsa-miR-409-3p					
OPA1	4976	NM_130837	hsa-miR-376c-3p	hsa-miR-409-3p					
PTPRT	11122	NM_133170	hsa-miR-135a-5p	hsa-miR-409-3p					
LRPPRC	10128	NM_133259	hsa-miR-409-3p	hsa-miR-424-5p					
GRIN3A	116443	NM_133445	hsa-miR-199a-5p	hsa-miR-214-5p					
CD109	135228	NM_133493	hsa-miR-199a-5p	hsa-miR-214-5p					
ZNF681	148213	NM_138286	hsa-miR-135a-5p	hsa-miR-376c-3p					
SP1	6667	NM_138473	hsa-miR-135a-5p	hsa-miR-199a-5p					
FCH02	115548	NM_138782	hsa-miR-135a-5p	hsa-miR-376c-3p					
HN1L	90861	NM_144570	hsa-miR-199a-5p	hsa-miR-424-5p					
TBC1D2B	23102	NM_144572	hsa-miR-214-5p	hsa-miR-424-5p					
TBC1D20	128637	NM_144628	hsa-miR-214-5p	hsa-miR-424-5p					
SLFN13	146857	NM_144682	hsa-miR-135a-5p	hsa-miR-223-5p					
DENND5B	160518	NM_144973	hsa-miR-135a-5p	hsa-miR-199a-5p					
STYX	6815	NM_145251	hsa-miR-199a-5p	hsa-miR-409-3p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
ABTB2	25841	NM_145804	hsa-miR-199a-5p	hsa-miR-424-5p					
OSBPL9	114883	NM_148909	hsa-miR-409-3p	hsa-miR-424-5p					
ZMAT3	64393	NM_152240	hsa-miR-223-5p	hsa-miR-409-3p					
TPM3	7170	NM_152263	hsa-miR-214-5p	hsa-miR-409-3p					
TMEM237	65062	NM_152388	hsa-miR-135a-5p	hsa-miR-424-5p					
AMER1	139285	NM_152424	hsa-miR-223-5p	hsa-miR-424-5p					
ARHGAP42	143872	NM_152432	hsa-miR-223-5p	hsa-miR-424-5p					
IQCE	23288	NM_152558	hsa-miR-135a-5p	hsa-miR-214-5p					
SPRED1	161742	NM_152594	hsa-miR-135a-5p	hsa-miR-409-3p					
DENND6A	201627	NM_152678	hsa-miR-199a-5p	hsa-miR-409-3p					
ZNF555	148254	NM_152791	hsa-miR-199a-5p	hsa-miR-409-3p					
KCTD7	154881	NM_153033	hsa-miR-199a-5p	hsa-miR-214-5p					
PHF13	148479	NM_153812	hsa-miR-199a-5p	hsa-miR-214-5p					
ALDH5A1	7915	NM_170740	hsa-miR-409-3p	hsa-miR-424-5p					
CACNA2D4	93589	NM_172364	hsa-miR-135a-5p	hsa-miR-409-3p					
MPP7	143098	NM_173496	hsa-miR-409-3p	hsa-miR-424-5p					
SLC9A9	285195	NM_173653	hsa-miR-135a-5p	hsa-miR-409-3p					
C5orf64	285668	NM_173667	hsa-miR-199a-5p	hsa-miR-424-5p					
CRB2	286204	NM_173689	hsa-miR-199a-5p	hsa-miR-424-5p					
PRTG	283659	NM_173814	hsa-miR-409-3p	hsa-miR-424-5p					
SCN4B	6330	NM_174934	hsa-miR-127-3p	hsa-miR-199a-5p					
FRMD3	257019	NM_174938	hsa-miR-136-3p	hsa-miR-223-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
UHMK1	127933	NM_175866	hsa-miR-135a-5p	hsa-miR-424-5p					
DICER1	23405	NM_177438	hsa-miR-376c-3p	hsa-miR-424-5p					
RASSF6	166824	NM_177532	hsa-miR-223-5p	hsa-miR-409-3p					
TMEM105	284186	NM_178520	hsa-miR-214-5p	hsa-miR-424-5p					
MTDH	92140	NM_178812	hsa-miR-135a-5p	hsa-miR-136-3p					
NLRC3	197358	NM_178844	hsa-miR-214-5p	hsa-miR-376c-3p					
CMTM4	146223	NM_181521	hsa-miR-376c-3p	hsa-miR-424-5p					
BTLA	151888	NM_181780	hsa-miR-199a-5p	hsa-miR-424-5p					
ZSCAN22	342945	NM_181846	hsa-miR-214-5p	hsa-miR-376c-3p					
OLFML2A	169611	NM_182487	hsa-miR-199a-5p	hsa-miR-214-5p					
OPRL1	4987	NM_182647	hsa-miR-214-5p	hsa-miR-424-5p					
MACC1	346389	NM_182762	hsa-miR-214-5p	hsa-miR-223-5p					
CREB5	9586	NM_182898	hsa-miR-135a-5p	hsa-miR-409-3p					
IRF2BP2	359948	NM_182972	hsa-miR-214-5p	hsa-miR-424-5p					
SRRM4	84530	NM_194286	hsa-miR-409-3p	hsa-miR-424-5p					
BID	637	NM_197966	hsa-miR-199a-5p	hsa-miR-214-5p					
GPNAT1	64841	NM_198066	hsa-miR-135a-5p	hsa-miR-409-3p					
TCF21	6943	NM_198392	hsa-miR-199a-5p	hsa-miR-424-5p					
LONRF2	164832	NM_198461	hsa-miR-214-5p	hsa-miR-409-3p					
ACACA	31	NM_198839	hsa-miR-214-5p	hsa-miR-424-5p					
DZIP1	22873	NM_198968	hsa-miR-135a-5p	hsa-miR-214-5p					
SOCS4	122809	NM_199421	hsa-miR-135a-5p	hsa-miR-214-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
ACSL5	51703	NM_203380	hsa-miR-135a-5p	hsa-miR-424-5p					
SYNJ1	8867	NM_203446	hsa-miR-223-5p	hsa-miR-424-5p					
PRKAA1	5562	NM_206907	hsa-miR-135a-5p	hsa-miR-424-5p					
RNF207	388591	NM_207396	hsa-miR-199a-5p	hsa-miR-214-5p					
ZNF662	389114	NM_207404	hsa-miR-409-3p	hsa-miR-424-5p					
ADAMTSL3	57188	NM_207517	hsa-miR-199a-5p	hsa-miR-424-5p					
PRDM16	63976	XM_005244772	hsa-miR-127-3p	hsa-miR-135a-5p					
NAV1	89796	XM_005245572	hsa-miR-199a-5p	hsa-miR-424-5p					
RABGAP1L	9910	XM_005245680	hsa-miR-223-5p	hsa-miR-376c-3p					
EPB41	2035	XM_005245753	hsa-miR-135a-5p	hsa-miR-214-5p					
LUZP1	7798	XM_005245991	hsa-miR-135a-5p	hsa-miR-424-5p					
ZDHHC18	84243	XM_005246016	hsa-miR-135a-5p	hsa-miR-199a-5p					
UNC80	285175	XM_005246476	hsa-miR-135a-5p	hsa-miR-424-5p					
INO80D	54891	XM_005246658	hsa-miR-214-5p	hsa-miR-223-5p					
ADCY5	111	XM_005247077	hsa-miR-214-5p	hsa-miR-424-5p					
NLGN1	22871	XM_005247231	hsa-miR-409-3p	hsa-miR-424-5p					
ZDHHC23	254887	XM_005247266	hsa-miR-135a-5p	hsa-miR-409-3p					
SEC61A1	29927	XM_005247404	hsa-miR-214-5p	hsa-miR-424-5p					
LPP	4026	XM_005247445	hsa-miR-135a-5p	hsa-miR-223-5p					
TP63	8626	XM_005247843	hsa-miR-136-3p	hsa-miR-223-5p					
ATP8A1	10396	XM_005248043	hsa-miR-135a-5p	hsa-miR-424-5p					
PDZD2	23037	XM_005248269	hsa-miR-135a-5p	hsa-miR-199a-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
RICTOR	253260	XM_005248277	hsa-miR-409-3p	hsa-miR-424-5p					
ADAMTS12	81792	XM_005248381	hsa-miR-223-5p	hsa-miR-424-5p					
UBR2	23304	XM_005248965	hsa-miR-199a-5p	hsa-miR-424-5p					
RBM33	155435	XM_005249531	hsa-miR-199a-5p	hsa-miR-214-5p					
C1GALT1	56913	XM_005249812	hsa-miR-199a-5p	hsa-miR-409-3p					
CDK14	5218	XM_005250439	hsa-miR-199a-5p	hsa-miR-223-5p					
OXR1	55074	XM_005250993	hsa-miR-223-5p	hsa-miR-409-3p					
ST3GAL1	6482	XM_005251023	hsa-miR-214-5p	hsa-miR-424-5p					
SNTB1	6641	XM_005251031	hsa-miR-135a-5p	hsa-miR-223-5p					
MTSS1	9788	XM_005251111	hsa-miR-135a-5p	hsa-miR-424-5p					
REXO1L1	254958	XM_005251207	hsa-miR-135a-5p	hsa-miR-409-3p					
NFIB	4781	XM_005251467	hsa-miR-376c-3p	hsa-miR-409-3p					
KIAA1432	57589	XM_005251523	hsa-miR-135a-5p	hsa-miR-424-5p					
PTPRD	5789	XM_005251529	hsa-miR-135a-5p	hsa-miR-424-5p					
ZBTB5	9925	XM_005251634	hsa-miR-199a-5p	hsa-miR-424-5p					
TTLL11	158135	XM_005251728	hsa-miR-199a-5p	hsa-miR-214-5p					
ZEB1	6935	XM_005252577	hsa-miR-199a-5p	hsa-miR-409-3p					
PRRG4	79056	XM_005253131	hsa-miR-223-5p	hsa-miR-409-3p					
TRIM66	9866	XM_005253270	hsa-miR-135a-5p	hsa-miR-424-5p					
RIMKLB	57494	XM_005253436	hsa-miR-223-5p	hsa-miR-424-5p					
SBNO1	55206	XM_005253573	hsa-miR-376c-3p	hsa-miR-424-5p					
KCNA6	3742	XM_005253686	hsa-miR-135a-5p	hsa-miR-424-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
PXN	5829	XM_005253910	hsa-miR-199a-5p	hsa-miR-214-5p					
MAP1A	4130	XM_005254385	hsa-miR-199a-5p	hsa-miR-424-5p					
NEO1	4756	XM_005254408	hsa-miR-223-5p	hsa-miR-424-5p					
MYEF2	50804	XM_005254422	hsa-miR-135a-5p	hsa-miR-424-5p					
PEAK1	79834	XM_005254672	hsa-miR-199a-5p	hsa-miR-424-5p					
ARNT2	9915	XM_005254811	hsa-miR-135a-5p	hsa-miR-199a-5p					
LRRC28	123355	XM_005254859	hsa-miR-199a-5p	hsa-miR-409-3p					
SMG1	23049	XM_005255183	hsa-miR-376c-3p	hsa-miR-409-3p					
ZNF629	23361	XM_005255222	hsa-miR-135a-5p	hsa-miR-199a-5p					
UNKL	64718	XM_005255505	hsa-miR-127-3p	hsa-miR-409-3p					
CAPN15	6650	XM_005255516	hsa-miR-135a-5p	hsa-miR-199a-5p					
TVP23A	780776	XM_005255563	hsa-miR-135a-5p	hsa-miR-214-5p					
NAA60	79903	XM_005255590	hsa-miR-214-5p	hsa-miR-424-5p					
CCP110	9738	XM_005255720	hsa-miR-214-5p	hsa-miR-409-3p					
NFAT5	10725	XM_005255777	hsa-miR-376c-3p	hsa-miR-409-3p					
TMEM170A	124491	XM_005255795	hsa-miR-214-5p	hsa-miR-223-5p					
NFATC3	4775	XM_005255973	hsa-miR-199a-5p	hsa-miR-424-5p					
RANBP10	57610	XM_005256071	hsa-miR-199a-5p	hsa-miR-424-5p					
RAP1GAP2	23108	XM_005256544	hsa-miR-409-3p	hsa-miR-424-5p					
WSCD1	23302	XM_005256572	hsa-miR-199a-5p	hsa-miR-214-5p					
XAF1	54739	XM_005256705	hsa-miR-135a-5p	hsa-miR-199a-5p					
CYB561	1534	XM_005257090	hsa-miR-199a-5p	hsa-miR-424-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
ERN1	2081	XM_005257141	hsa-miR-199a-5p	hsa-miR-214-5p					
TANC2	26115	XM_005257201	hsa-miR-199a-5p	hsa-miR-424-5p					
KCNJ16	3773	XM_005257333	hsa-miR-376c-3p	hsa-miR-409-3p					
ATXN7L3	56970	XM_005257526	hsa-miR-127-3p	hsa-miR-424-5p					
SSH2	85464	XM_005258058	hsa-miR-135a-5p	hsa-miR-136-3p					
SSH2	85464	XM_005258059	hsa-miR-135a-5p	hsa-miR-136-3p					
C18orf54	162681	XM_005258201	hsa-miR-135a-5p	hsa-miR-409-3p					
SS18	6760	XM_005258335	hsa-miR-214-5p	hsa-miR-409-3p					
ZNF766	90321	XM_005259376	hsa-miR-214-5p	hsa-miR-424-5p					
TCF3	6929	XM_005259623	hsa-miR-199a-5p	hsa-miR-214-5p					
UNC13A	23025	XM_005259821	hsa-miR-135a-5p	hsa-miR-424-5p					
GATAD2A	54815	XM_005259956	hsa-miR-127-3p	hsa-miR-424-5p					
ZBTB46	140685	XM_005260197	hsa-miR-199a-5p	hsa-miR-424-5p					
ZNF512B	57473	XM_005260226	hsa-miR-199a-5p	hsa-miR-424-5p					
C20orf112	140688	XM_005260283	hsa-miR-214-5p	hsa-miR-424-5p					
EPB41L1	2036	XM_005260318	hsa-miR-199a-5p	hsa-miR-424-5p					
C20orf194	25943	XM_005260685	hsa-miR-199a-5p	hsa-miR-214-5p					
BACH1	571	XM_005261014	hsa-miR-135a-5p	hsa-miR-199a-5p					
AGPAT3	56894	XM_005261159	hsa-miR-199a-5p	hsa-miR-424-5p					
SLC19A1	6573	XM_005261163	hsa-miR-135a-5p	hsa-miR-199a-5p					
NUP50	10762	XM_005261312	hsa-miR-214-5p	hsa-miR-424-5p					
RBFOX2	23543	XM_005261428	hsa-miR-135a-5p	hsa-miR-214-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
TMEM184B	25829	XM_005261509	hsa-miR-199a-5p	hsa-miR-424-5p					
MIEF1	54471	XM_005261651	hsa-miR-214-5p	hsa-miR-409-3p					
PRDM5	11107	XM_005262706	hsa-miR-214-5p	hsa-miR-424-5p					
GPRIN3	285513	XM_005262936	hsa-miR-409-3p	hsa-miR-424-5p					
AFF1	4299	XM_005263009	hsa-miR-135a-5p	hsa-miR-223-5p					
AFF1	4299	XM_005263010	hsa-miR-135a-5p	hsa-miR-223-5p					
MAPK10	5602	XM_005263133	hsa-miR-223-5p	hsa-miR-409-3p					
MAPK10	5602	XM_005263134	hsa-miR-223-5p	hsa-miR-409-3p					
STOX2	56977	XM_005263142	hsa-miR-199a-5p	hsa-miR-409-3p					
PHF17	79960	XM_005263230	hsa-miR-135a-5p	hsa-miR-424-5p					
MGAT5	4249	XM_005263666	hsa-miR-199a-5p	hsa-miR-424-5p					
ARHGEF4	50649	XM_005263681	hsa-miR-135a-5p	hsa-miR-424-5p					
EPB41L5	57669	XM_005263721	hsa-miR-223-5p	hsa-miR-424-5p					
FOXN2	3344	XM_005264283	hsa-miR-135a-5p	hsa-miR-223-5p					
SLC8A1	6546	XM_005264512	hsa-miR-135a-5p	hsa-miR-409-3p					
ZNF654	55279	XM_005264762	hsa-miR-135a-5p	hsa-miR-199a-5p					
CNTN4	152330	XM_005264903	hsa-miR-376c-3p	hsa-miR-409-3p					
PFKFB4	5210	XM_005265231	hsa-miR-199a-5p	hsa-miR-424-5p					
STAC	6769	XM_005265412	hsa-miR-199a-5p	hsa-miR-214-5p					
TDGF1	6997	XM_005265418	hsa-miR-135a-5p	hsa-miR-424-5p					
FYCO1	79443	XM_005265483	hsa-miR-135a-5p	hsa-miR-214-5p					
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Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
PAICS	10606	XM_005265711	hsa-miR-214-5p	hsa-miR-424-5p					
DCUN1D4	23142	XM_005265737	hsa-miR-409-3p	hsa-miR-424-5p					
MAPK9	5601	XM_005265940	hsa-miR-223-5p	hsa-miR-424-5p					
DLGAP2	9228	XM_005266038	hsa-miR-135a-5p	hsa-miR-424-5p					
LATS2	26524	XM_005266342	hsa-miR-135a-5p	hsa-miR-424-5p					
NETO1	81832	XM_005266776	hsa-miR-376c-3p	hsa-miR-409-3p					
TXLNB	167838	XM_005266836	hsa-miR-199a-5p	hsa-miR-409-3p					
EYA4	2070	XM_005266854	hsa-miR-409-3p	hsa-miR-424-5p					
SIM1	6492	XM_005267100	hsa-miR-223-5p	hsa-miR-409-3p					
FOXN3	1112	XM_005267289	hsa-miR-135a-5p	hsa-miR-409-3p					
ANGEL1	23357	XM_005267478	hsa-miR-199a-5p	hsa-miR-424-5p					
SPTB	6710	XM_005268022	hsa-miR-199a-5p	hsa-miR-424-5p					
ATP11A	23250	XM_005268305	hsa-miR-214-5p	hsa-miR-424-5p					
MCF2L	23263	XM_005268310	hsa-miR-136-3p	hsa-miR-424-5p					
NDST1	3340	XM_005268435	hsa-miR-135a-5p	hsa-miR-199a-5p					
HTR4	3360	XM_005268444	hsa-miR-199a-5p	hsa-miR-424-5p					
LARP4	113251	XM_005268613	hsa-miR-199a-5p	hsa-miR-223-5p					
SRGAP1	57522	XM_005269042	hsa-miR-376c-3p	hsa-miR-424-5p					
KCNMA1	3778	XM_005269773	hsa-miR-135a-5p	hsa-miR-409-3p					
MAPK8	5599	XM_005269974	hsa-miR-409-3p	hsa-miR-424-5p					
ADAM12	8038	XM_005270188	hsa-miR-135a-5p	hsa-miR-214-5p					
TSPAN14	81619	XM_005270192	hsa-miR-214-5p	hsa-miR-424-5p					

Gene	EntrezID	RefseqID	miR-1	miR-2	miR-3	miR-4	miR-5	miR-6	miR-7
KCNA2	3737	XM_005270842	hsa-miR-214-5p	hsa-miR-376c-3p					
CTTNBP2NL	55917	XM_005271034	hsa-miR-135a-5p	hsa-miR-424-5p					
SORT1	6272	XM_005271102	hsa-miR-214-5p	hsa-miR-424-5p					
POU2AF1	5450	XM_005271594	hsa-miR-214-5p	hsa-miR-424-5p					
GRAMD1B	57476	XM_005271620	hsa-miR-199a-5p	hsa-miR-409-3p					
SEPT11	220972	XM_005271806	hsa-miR-199a-5p	hsa-miR-223-5p					
PHF15	23338	XM_005271948	hsa-miR-199a-5p	hsa-miR-409-3p					
MEGF10	84466	XM_005272114	hsa-miR-199a-5p	hsa-miR-223-5p					
AKT3	10000	XM_005272995	hsa-miR-199a-5p	hsa-miR-223-5p					
LZTS1	11178	XM_005273394	hsa-miR-135a-5p	hsa-miR-214-5p					
AGPAT6	137964	XM_005273402	hsa-miR-214-5p	hsa-miR-424-5p					
TACC1	6867	XM_005273622	hsa-miR-199a-5p	hsa-miR-409-3p					
TACC1	6867	XM_005273623	hsa-miR-199a-5p	hsa-miR-409-3p					
HMBOX1	79618	XM_005273634	hsa-miR-135a-5p	hsa-miR-424-5p					
FAM168A	23201	XM_005273852	hsa-miR-214-5p	hsa-miR-409-3p					
KCTD21	283219	XM_005273927	hsa-miR-199a-5p	hsa-miR-214-5p					
CAPN5	726	XM_005274206	hsa-miR-376c-3p	hsa-miR-424-5p					
MYRF	745	XM_005274222	hsa-miR-199a-5p	hsa-miR-214-5p					
ARSD	414	XM_005274515	hsa-miR-135a-5p	hsa-miR-409-3p					
MECP2	4204	XM_005274683	hsa-miR-135a-5p	hsa-miR-214-5p					
ATP2B3	492	XM_005274692	hsa-miR-135a-5p	hsa-miR-424-5p					
MTMR1	8776	XM_005274765	hsa-miR-214-5p	hsa-miR-424-5p					

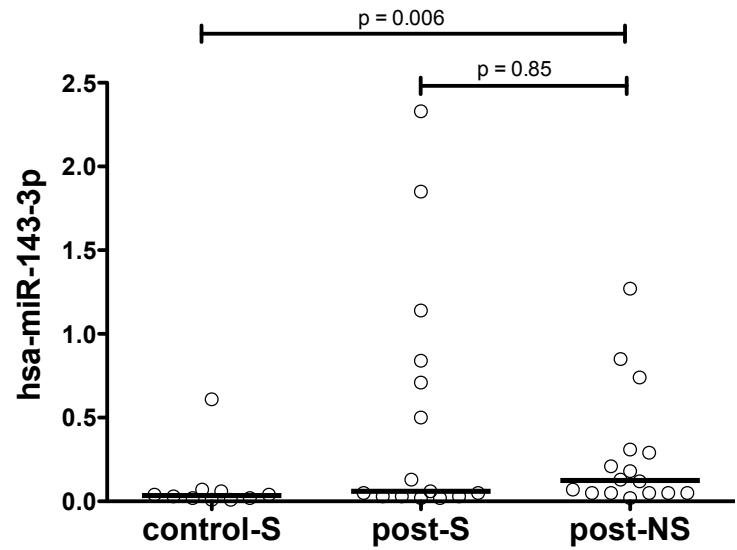
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ITGA10	8515	XM_005277436	hsa-miR-199a-5p	hsa-miR-214-5p					
CAPN5	726	XM_005277729	hsa-miR-376c-3p	hsa-miR-424-5p					
MECP2	4204	XM_005277853	hsa-miR-135a-5p	hsa-miR-214-5p					
ATP2B3	492	XM_005277859	hsa-miR-135a-5p	hsa-miR-424-5p					
MTMR1	8776	XM_005278205	hsa-miR-214-5p	hsa-miR-424-5p					

**Supplementary table 7. Average differential expression (DE) and average p-value of the overlapping microRNAs in patients who were treated Medically vs. Surgically for reflux. Differences between the groups was tested using Welch's t-test.**

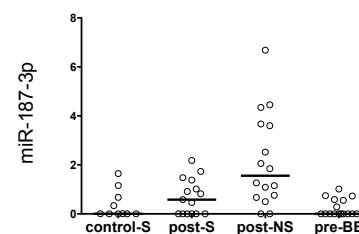
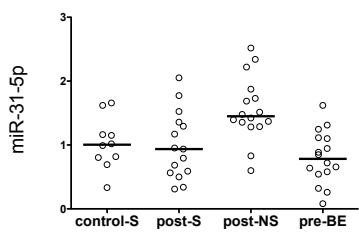
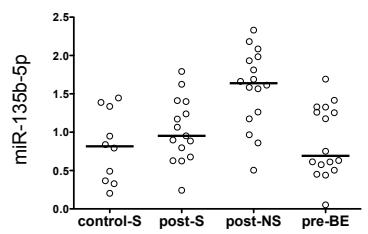
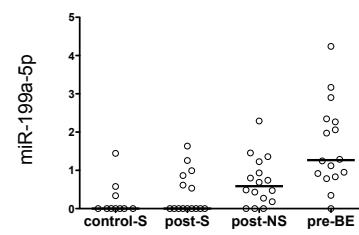
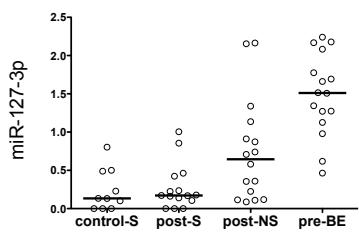
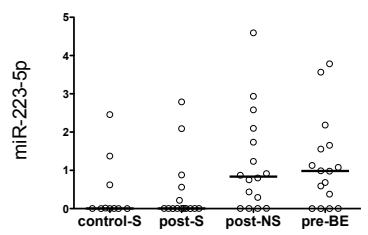
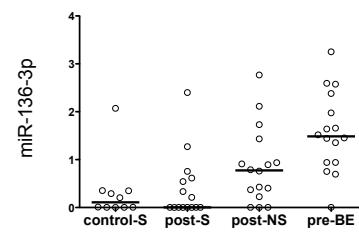
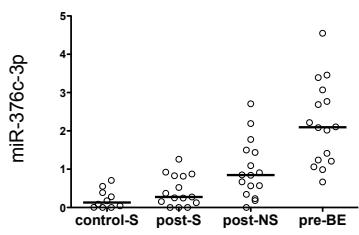
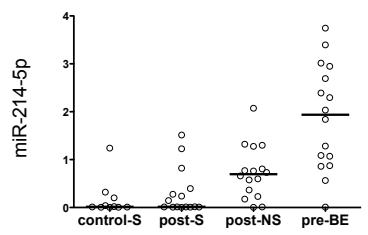
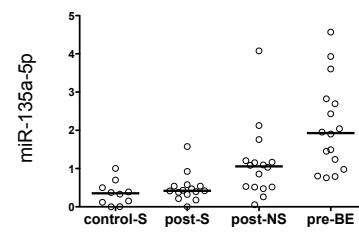
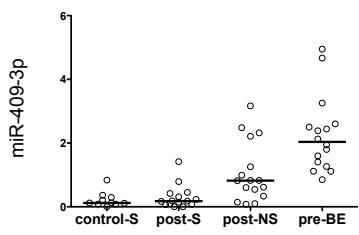
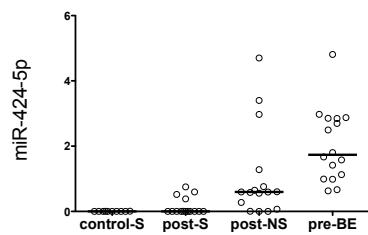
	Medically treated	Surgically treated	Welch's t-test p-value
<b>Post-NS vs. Control-S</b>			
Differential Expression	125.9	122.9	0.972
MWU p-value	0.032	0.079	0.054
<b>Post-NS vs. post-S</b>			
Differential Expression	59.2	144	0.389
MWU p-value	0.09	0.22	0.051

**Supplementary table 8. Average differential expression (DE) and average p-value of the overlapping microRNAs for patients who were completely ablated vs. all patients. Differences between groups were tested using Welch's t-test.**

	Complete Ablation	All Patients	Welch's t-test p-value
<b>Post-NS vs. Control-S</b>			
Differential Expression	80.4	81.0	0.996
MWU p-value	0.041	0.026	0.209
<b>Post-NS vs. post-S</b>			
Differential Expression	56.9	101.5	0.394
MWU p-value	0.028	0.018	0.213



**Supplementary Figure 1.** Hsa-miR-143-3p normalized relative expression in control squamous mucosa (control-S), in post-ablation squamous mucosa (post-S), and in post-ablation neosquamous mucosa (post-NS).



**Supplementary Figure 2.** Normalized relative expression levels of the overlapping microRNAs in control squamous mucosa (control-S), post-ablation squamous mucosa (post-S), post-ablation neosquamous mucosa (post-NS) and pre-ablation Barrett's Esophagus mucosa (pre-BE). Horizontal bars are medians.