Upregulated 46 genes (> 1.5)					Ratio (GMTmiR/GMT)		
Probe ID	Ensembl_ID	RefSeq_ID	Enterz_ID	Symbol	Day 3	Day 7	Day 18
M200014493	ENSMUSG00000022598	NM_028216	72373	Psca	3.0	2.4	1.7
M200009335	ENSMUSG00000028116	NM_021503	59006	Myoz2	1.8	1.9	1.7
M400000984	ENSMUSG00000027022	XM_141283	241431	Cmya3	1.6	2.9	2.9
M300004424	ENSMUSG00000025006	-	20411	Sorbs1	5.8	2.7	1.5
M300013935	ENSMUSG00000053441	NM_175506	240322	Adamts19	1.6	3.5	2.0
M200015376	ENSMUSG00000027716	NM_019510	22065	Trpc3	2.0	1.9	1.8
M400000394	ENSMUSG00000020566	NM_133699	68775	Atp6v1c2	1.8	2.0	1.9
M300011226	ENSMUSG00000037926	NM_177710	237860	Ssh2	1.7	1.5	1.5
M300010644	ENSMUSG00000036935	-	-	Obscn	1.5	2.1	2.2
M400000053	ENSMUSG00000002384	NM_007559	12164	Bmp8b	1.7	1.6	2.1
M400007398	ENSMUSG00000061510	-	-	-	1.5	1.5	1.6
M400011736	ENSMUSG00000052374	NM_033268	-	Actn2	2.1	2.1	2.0
M300017980	ENSMUSG00000047117	XM_197073	271144	9330128J19Rik	2.2	1.8	1.5
M300008131	-	XM_135000	76886	-	1.7	2.2	1.6
M300001580	ENSMUSG00000017412	NM_146123	12298	Cacnb4	2.0	1.7	1.6
M300015129	ENSMUSG00000044086	XM_149772	320502	-	1.6	1.8	1.9
M200002625	ENSMUSG00000031137	NM_010200	-	Fgf13	1.6	2.4	1.7
M400004095	ENSMUSG00000052374	-	11472	Actn2	2.0	2.3	2.1
M400006302	ENSMUSG00000020908	XM_354614	17883	Myh3	2.3	1.5	1.6
M200002473	ENSMUSG00000027452	NM_080575	68738	Acss1	3.2	2.5	1.9
M200012924	ENSMUSG00000027985	NM_010703	16842	Lef1	2.4	3.0	1.7
M300003179	ENSMUSG00000056867	-	-	-	2.2	2.6	1.6
M300017880	ENSMUSG00000047013	NM_0010011	330369	Fbxo41	1.6	2.0	1.5
M200007329	ENSMUSG00000039891	NM_138628	378431	Txlnb	4.2	2.7	1.8
M300001423	ENSMUSG00000015568	NM_008509	669888	Lpl	3.7	1.7	1.6
M300013987	ENSMUSG00000042895	NM_175456	223513	Abra	1.5	2.3	1.7
M200000431	ENSMUSG00000028024	NM_007934	13809	Enpep	1.9	2.9	2.1
M400007299	-	NM_019697	16508	-	2.1	1.6	1.5
M300000649	ENSMUSG00000005220	-	53419	Corin	1.8	2.9	1.8
M300004252	ENSMUSG00000024647	NM_172633	-	Cbln2	2.1	2.4	1.6
M300008768	ENSMUSG00000033419	NM_013669	20616	Snap91	1.5	2.0	2.0
M400004335	ENSMUSG00000053093	NM_080728	140781	Myh7	2.2	2.5	1.8
M300011602	ENSMUSG00000038526	-	23831	Car14	2.0	3.1	2.1
M400011363	ENSMUSG00000002980	NM_020486	57278	Bcam	1.8	1.5	1.6
M300019880	ENSMUSG00000049115	NM_177322	11607	Agtr1a	1.8	2.5	3.4
M300012836	ENSMUSG00000040752	NM_010856	17888	Myh6	4.7	2.8	1.7
M300002037	ENSMUSG00000020173	NM_172496	-	Cobl	5.0	3.7	1.9
M200014547	ENSMUSG00000022025	NM_010701	16840	Lect1	2.0	3.3	1.6

Probe ID	Ensembl_ID	RefSeq_ID	Enterz_ID	Symbol			
M400017731	-	-	-	-	3.0	2.3	2.4
M200007693	ENSMUSG00000032355	-	69642	2310046A06Rik	2.9	2.4	2.0
M200015883	ENSMUSG00000023336	NM_023395	67866	Wfdc1	2.6	1.7	2.1
M300008566	ENSMUSG00000033032	NM_178928	-	AI173486	1.6	1.8	1.8
M200007342	ENSMUSG00000031382	NM_026853	-	Asb11	1.9	3.7	2.4
M200014014	ENSMUSG00000030785	NM_009943	12862	Cox6a2	1.5	1.7	1.6
M400002496	ENSMUSG00000041361	-	102371	AA407270	1.5	1.7	1.6
M400012375	ENSMUSG00000043916	NM_177147	-	-	1.5	1.7	1.6

Downregulated 129 genes (< 0.67)					Ratio (GMTmiR/GMT)		
Probe ID	Ensembl_ID	RefSeq_ID	Enterz_ID	Symbol	Day 3	Day 7	Day 18
M200007795	ENSMUSG00000023191	NM_013534	14789	Leprel2	0.5	0.5	0.7
M300000003	ENSMUSG00000048583	-	-	Igf2	0.7	0.4	0.5
M300011925	ENSMUSG00000039070	NM_027926	71791	Cpa4	0.6	0.5	0.6
M300013932	-	-	27528	-	0.5	0.5	0.6
M300013202	ENSMUSG00000066361	NM_008458	16625	Serpina3c	0.6	0.7	0.2
M200001705	ENSMUSG00000028214	NM_010276	-	Gem	0.4	0.5	0.2
M200001213	ENSMUSG00000033880	NM_011150	19039	Lgals3bp	0.5	0.6	0.6
M200000882	ENSMUSG00000017969	NM_008968	19223	Ptgis	0.6	0.7	0.7
M200006455	ENSMUSG00000029061	NM_011985	26561	Mmp23	0.3	0.4	0.5
M200006538	ENSMUSG00000031740	NM_008610	17390	Mmp2	0.6	0.4	0.2
M300005873	ENSMUSG00000027966	NM_007729	12814	Col11a1	0.3	0.6	0.3
M400011405	ENSMUSG00000066705	NM_022004	59095	Fxyd6	0.3	0.5	0.7
M200013767	ENSMUSG00000040690	NM_028266	-	Col16a1	0.6	0.6	0.3
M200013648	ENSMUSG00000054196	XM_128002	68588	Cthrc1	0.3	0.3	0.3
M400001486	ENSMUSG00000032719	XM_129714	226866	Gm106	0.7	0.5	0.4
M400006547	ENSMUSG00000058914	NM_030888	-	C1qtnf3	0.3	0.5	0.4
M200002112	ENSMUSG00000021250	NM_010234	14281	Fos	0.5	0.6	0.5
M200003231	ENSMUSG00000029581	NM_007984	14086	Fscn1	0.6	0.5	0.5
M400000352	ENSMUSG00000019989	XM_483881	209558	Enpp3	0.6	0.3	0.5
M400008579	ENSMUSG00000060129	NM_146331	258328	Olfr954	0.6	0.6	0.6
M400007854	ENSMUSG00000062488	NM_010501	15959	Ifit3	0.4	0.4	0.5
M200005324	-	NM_011581	-	-	0.4	0.5	0.4
M200008526	ENSMUSG00000028370	XM_131437	18491	Pappa	0.2	0.3	0.4
M300000787	ENSMUSG00000006360	-	12925	Crip1	0.6	0.6	0.5
M300000069	ENSMUSG00000000409	NM_010693	-	Lck	0.5	0.5	0.4
M300013059	ENSMUSG00000062980	XM_145117	214642	A430107O13Rik	0.6	0.6	0.5
M400001173	ENSMUSG00000075593	XM_284152	330217	Gal3st4	0.4	0.5	0.5
M200003295	ENSMUSG00000040026	NM_011315	20210	Saa3	0.1	0.2	0.6
M200014029	ENSMUSG00000048216	NM_145066	-	Gpr85	0.4	0.6	0.7

M200003823	ENSMUSG00000028597	NM_024198	-	Gpx7	0.6	0.5	0.6
M200004720	ENSMUSG00000028845	NM_011902	24084	Tekt2	0.6	0.6	0.6
M200011786	ENSMUSG00000021416	NM_026947	69123	1810022C23Rik	0.5	0.4	0.6
M200013890	ENSMUSG00000029832	NM_010903	18025	Nfe2l3	0.6	0.5	0.6
M200006802	ENSMUSG00000021069	NM_133198	110095	Pygl	0.7	0.6	0.6
M200000630	ENSMUSG00000031640	NM_133969	102294	Cyp4v3	0.6	0.7	0.6
M200008248	ENSMUSG00000020872	NM_053093	93670	Tac4	0.5	0.5	0.5
M300001685	ENSMUSG00000018500	NM_007413	11541	Adora2b	0.6	0.5	0.6
M200000904	ENSMUSG00000024190	NM_013642	19252	Dusp1	0.5	0.6	0.4
M200007326	ENSMUSG00000032925	NM_145467	223272	Itgbl1	0.5	0.5	0.6
M300001793	ENSMUSG00000019539	NM_026555	-	Rcn3	0.4	0.5	0.5
M300011001	ENSMUSG00000037568	NM_144879	226841	Vash2	0.6	0.4	0.7
M300009878	ENSMUSG00000035357	NM_018884	-	Pdzrn3	0.4	0.4	0.5
M400000940	-	NM_008329	-	-	0.6	0.4	0.4
M400007346	ENSMUSG00000061232	-	14972	H2-K1	0.4	0.6	0.6
M400015493	-	-	-	-	0.6	0.6	0.6
M400011549	-	NM_026271	67606	-	0.4	0.6	0.4
M200015910	ENSMUSG00000000693	NM_013586	16950	Loxl3	0.4	0.5	0.5
M300000789	ENSMUSG00000006369	-	-	Fbln1	0.4	0.4	0.6
M300008194	ENSMUSG00000032334	NM_010729	16949	Loxl1	0.6	0.6	0.5
M300013689	ENSMUSG00000042429	-	-	Adora1	0.5	0.5	0.6
M400007361	ENSMUSG00000061353	NM_013655	-	Cxcl12	0.3	0.5	0.5
M200003360	ENSMUSG00000041481	-	20715	Serpina3g	0.3	0.5	0.4
M200004448	ENSMUSG00000001506	NM_007742	12842	Col1a1	0.3	0.5	0.5
M300022056	-	NM_178879	97440	-	0.5	0.6	0.6
M400003897	ENSMUSG00000051811	-	-	Cox6b2	0.6	0.7	0.6
M400011526	ENSMUSG00000045889	NM_025980	67122	-	0.3	0.3	0.4
M200000303	ENSMUSG00000069874	-	16145	Iigp2	0.6	0.6	0.6
M200007654	-	NM_028331	72709	-	0.6	0.6	0.7
M300012830	ENSMUSG00000062609	NM_019664	-	Kcnj15	0.6	0.5	0.6
M400011342	ENSMUSG00000061232	NM_019909	-	H2-K1	0.5	0.6	0.6
M200007006	ENSMUSG00000050370	NM_009890	12642	Ch25h	0.4	0.5	0.6
M200001767	ENSMUSG00000029661	NM_007743	12843	Col1a2	0.5	0.3	0.5
M200000992	ENSMUSG00000031375	NM_007542	-	Bgn	0.6	0.3	0.5
M200001048	ENSMUSG00000020053	NM_010512;	16000	Igf1	0.6	0.5	0.6
M200009328	ENSMUSG00000015134	NM_053080	56847	Aldh1a3	0.5	0.6	0.6
M200006998	ENSMUSG00000028037	NM_133871	99899	Ifi44	0.5	0.6	0.6
M200013848	ENSMUSG00000000627	NM_011350	20355	Sema4f	0.5	0.4	0.4
M300005140	ENSMUSG00000026494	NM_177757	269152	Kif26b	0.5	0.6	0.6
M400002349	ENSMUSG00000040253	NM_145545	229900	Gbp6	0.5	0.5	0.7

M400008542	ENSMUSG00000064080	NM_007992	14115	Fbln2	0.6	0.5	0.5
M200002477	ENSMUSG00000043943	NM_028279	72560	Naalad2	0.2	0.5	0.6
M200002417	ENSMUSG00000073421	NM_207105	14961	Rmcs2	0.6	0.3	0.6
M200002335	ENSMUSG00000005357	NM_009200	20513	Slc1a6	0.6	0.6	0.6
M300007456	ENSMUSG00000030849	NM_201601	-	Fgfr2	0.6	0.5	0.7
M400011073	-	NM_010818	-	-	0.6	0.6	0.7
M200000375	ENSMUSG00000025746	NM_031168	16193	Il6	0.3	0.4	0.6
M400014575	-	-	432572	-	0.4	0.5	0.6
M200006636	ENSMUSG00000024660	NM_016692	-	Incenp	0.6	0.5	0.6
M200006465	ENSMUSG00000042436	NM_029568	76293	Mfap4	0.5	0.3	0.3
M200006244	ENSMUSG00000031595	NM_026840	68797	Pdgfrl	0.4	0.5	0.6
M200015105	ENSMUSG00000029659	NM_027519	-	6330406I15Rik	0.5	0.5	0.6
M300005317	ENSMUSG00000026837	NM_015734	12831	Col5a1	0.6	0.5	0.5
M300006055	ENSMUSG00000039298	NM_145990	-	Cdk5rap2	0.6	0.4	0.7
M200005191	ENSMUSG00000021388	NM_025711	66695	Aspn	0.3	0.3	0.3
M200002418	ENSMUSG00000034459	NM_008331	15957	Ifit1	0.7	0.4	0.4
M200002538	ENSMUSG00000060572	NM_008546	17150	Mfap2	0.5	0.2	0.5
M300011913	ENSMUSG00000039058	-	229949	Ak5	0.6	0.3	0.6
M200001343	ENSMUSG00000051439	NM_009841	12475	Cd14	0.5	0.6	0.6
M400011289	ENSMUSG00000069874	NM_018738	16145	Iigp2	0.6	0.5	0.6
M400004256	ENSMUSG00000052837	NM_008416	16477	Junb	0.5	0.6	0.5
M200000995	ENSMUSG00000032532	NM_031161	12424	Cck	0.4	0.4	0.5
M200003721	ENSMUSG00000039236	NM_020583	-	Isg20	0.4	0.4	0.7
M200011774	ENSMUSG00000060935	-	74238	AI597468	0.5	0.6	0.5
M300010216	ENSMUSG00000036040	XM_130065	77794	Adamtsl2	0.4	0.6	0.6
M300003525	-	NM_008047	14314	-	0.5	0.5	0.6
M300008736	ENSMUSG00000071715	NM_008677	17972	Ncf4	0.4	0.4	0.6
M400003948	ENSMUSG00000051956	NM_198251	386611	Rnf133	0.5	0.6	0.7
M400011244	-	NM_015783	100038882	-	0.7	0.6	0.6
M200009417	ENSMUSG00000031762	NM_008630	17750	Mt2	0.6	0.6	0.5
M200007311	ENSMUSG00000028475	NM_027789	71406	5430416O09Rik	0.6	0.5	0.4
M300010436	ENSMUSG00000036560	NM_144556	-	Lgi4	0.7	0.4	0.1
M400002912	ENSMUSG00000044548	NM_021532	59036	Dact1	0.4	0.5	0.6
M400008091	-	NM_080640	-	-	0.5	0.6	0.6
M200005312	ENSMUSG00000030701	NM_013746	-	Plekhb1	0.6	0.4	0.3
M200012174	ENSMUSG00000057123	NM_008121	14613	Gja5	0.7	0.7	0.3
M400004210	ENSMUSG00000052684	NM_010591	16476	Jun	0.5	0.6	0.6
M200000527	ENSMUSG00000037868	NM_010118	13654	Egr2	0.5	0.6	0.5
M200000943	ENSMUSG00000001119	NM_009933	12833	Col6a1	0.5	0.4	0.5
M200004208	ENSMUSG00000029716	NM_015799	-	Trfr2	0.6	0.3	0.4

M200004133	ENSMUSG00000025150	NM_007621	12409	Cbr2	0.5	0.5	0.7
M200006363	ENSMUSG00000041809	XM_129694	71877	Efhc1	0.5	0.5	0.5
M400000558	ENSMUSG00000022321	XM_283264	320873	Cdh10	0.7	0.7	0.6
M400012036	ENSMUSG00000067525	NM_146679	258674	Olfr1427	0.4	0.6	0.5
M200012044	ENSMUSG00000038418	NM_007913	13653	Egr1	0.6	0.5	0.5
M200003247	ENSMUSG00000027656	NM_016873	22403	Wisp2	0.3	0.4	0.4
M200013217	ENSMUSG00000024695	NM_053007;	-	Cntf	0.7	0.5	0.5
M400001027	ENSMUSG00000027750	NM_015784	50706	Postn	0.6	0.4	0.1
M300000112	ENSMUSG00000000753	NM_011340	20317	Serpinf1	0.4	0.4	0.4
M300012538	-	NM_172778	109731	-	0.7	0.3	0.3
M400013003	ENSMUSG00000034810	-	-	Scn7a	0.5	0.5	0.4
M200014441	ENSMUSG00000029163	NM_133918	100952	Emilin1	0.6	0.4	0.5
M200013683	ENSMUSG00000038530	NM_009062	19736	Rgs4	0.7	0.6	0.5
M300000002	ENSMUSG00000000031	NR_001592	-	H19	0.5	0.3	0.4
M300011961	ENSMUSG00000039109	NM_028784	74145	F13a1	0.6	0.5	0.5
M300002557	ENSMUSG00000021091	NM_009252	20716	Serpina3n	0.3	0.3	0.1
M200004035	-	NM_008176	14825	-	0.1	0.5	0.4
M200006739	ENSMUSG00000046879	NM_008326	-	Irgm	0.5	0.6	0.6
M200006344	ENSMUSG00000023571	NM_026125	67389	C1qdc2	0.6	0.5	0.7
M300005379	ENSMUSG00000026923	NM_008714	18128	Notch1	0.6	0.6	0.4

Table S1. List of Differentially Expressed Genes between GMT-iCMs and GMT/miR-133-iCMs

Among 23474 probes, 46 genes were upregulated and 129 genes were downregulated in GMT/miR-133-iCMs compared with GMT-iCMs at all stages.