

1 Table S1: Up-regulated genes in all time points post MI.

Uniquely up-regulated 2 days post-MI	Uniquely up-regulated 2 weeks post-MI	Uniquely up-regulated 2 months post-MI	Commonly up-regulated in 2 days and 2 weeks	Commonly up-regulated in 2 days and 2 months	Commonly up-regulated in 2 weeks and 2 months	Commonly up-regulated in all time points
A4galt	Acp2	Abra	Abi1	Akap2	Adamts3	Adamts1
Aacs	Adamts10	Agfg2	Abi2	Anxa7	Adamts12	Adamts9
Aars	Adamts17	Aqp8	Actg1	Apold1	Adecy7	Anxa1
Aatf	Adamts2	Armex4	Adam10	Arid5a	Alpk1	Anxa3
Abca7	Adap2	Arrdc3	Adamts12	Atf3	Ankrd1	Arfgap3
Abcc1	Adecy3	Atp8a2	Aff4	B4galt5	Armex3	Atp6v1a
Abcc3	Akt3	Atpif1	Aldh18a1	Bcl2l1	Atp6v0a4	Atp8b1
Abce1	Ammecr11	Bcl2	Ano6	Btg2	Cmklr1	Axl
Abhd2	Angpt1	Camkk2	Anxa2	Ccnd1	Col15a1	Azin1
Abl2	Anln	Cbfb	Anxa4	Ccnd2	Col6a1	Carhsp1
Acaca	Aoah	Ccl12	Anxa5	Cdc42se1	Col8a1	Cd44
Acap2	Apobec3	Cd302	Ap3s1	Cdkn1a	Comp	Col4a1
Acbd3	Apoe	Cebpd	Apaf1	Cdr2	Creb3l2	Col4a2
Acer2	App	Ces5	Arf6	Ch25h	Dio2	Ctgf
Acin1	Arf4	Colq	Arfip1	Cks1b	Dusp3	Cttmbp2nl
Acly	Arhgap15	Crispld2	Arhgap11a	Cldn5	Dynll1	Cyb561
Acot10	Arhgap22	Cx3cl1	Arhgap25	Clip2	Efhd1	Cyth3
Acot4	Arhgef12	Cycl1	Arpc1b	Cpeb1	Etv1	Dbn1
Acot9	Armex2	Dagla	Atl3	Crlf1	Etv5	Debl2
Acp5	Arsb	Ddah2	Atp1b3	Csrnp1	Fam114a1	Dchs1
Acr	Asah1	Dennd3	Atp6v1b2	Ddit4	Fam46a	Dusp6
Acsbg1	Asah2	Dnml	Atp7a	Dusp27	Frem2	Dync1li1
Acsl4	Aspn	Dok7	Atp8b2	Egr3	Frzb	Ednrb
Acsl5	Atad2	Edn3	B4galt1	Ehd4	Gatsl3	Efhd2
Actb	Atoh8	Ehbp111	Bak1	Eif1a	Gramd1a	Egr2
Actn1	Atxn711	Erf	Baz1a	Enah	Hcn1	Eml4
Actn4	B3galt1	F2r	Bmp1	Enc1	Hmcn1	Emp1
Actr2	Bace1	F2rl1	Bmp2k	Ereg	Ift122	Esam
Actr3	Bace2	Fads1	Calm2	Errf1	Igsf1	Fam129b
Ada	Bgn	Fam115a	Cand1	Etv6	I118bp	Fam78b
Adam12	Bmp4	Fzd1	Cap1	Fem1b	Islr	Fbln2
Adam15	Bub1	Gm428	Capg	Fgf2	Itga6	Fbn1
Adam8	C1qa	Hdh3	Capza1	Fkbp5	Ith5	Fstl1
Adam9	C1qb	Heph11	Cask	Flnc	Kcna4	Gfpt2
Adamts4	C1qc	Hn1	Ccnd3	Fosl2	Lipa	Gpr153
Adamts6	C1qtnf3	Ier5	Ccnyl1	Foxc2	Lox11	Hif1a
Adat2	Calcr1	Igfbp6	Cd33	Gadd45g	Lsm3	Inpp5d
Adc	Casc5	I117rd	Cd38	Gdf15	Meox1	Itga5
Adck4	Casp4	Itm2c	Cd53	Gmppb	Mmp2	Layn
Adeyap1r1	Casp7	Jdp2	Cd9	Gp49a	Mrc2	Lox12
Adfp	Cav2	Kcna5	Cd93	Gpr149	Mtap1a	Lpar1
Adm	Ccdc88a	Klf2	Cdc20	Grk5	Myh7	Lrrc8a
Adnp2	Ccl5	Klhdc8a	Cdh5	Has1	Nbl1	Ltbp2
Adora3	Ccna2	Lbp	Cep170	Hbegf	Ndr4	Map3k8
Adpgk	Ccnb2	Lin54	Chst1	Hectd2	Nfkb1	Med10
Adrb2	Ccnf	Lrrc51	Clic1	Hhip11	Nostrin	Mex3c
Adss	Cerl1	Maml3	Cnn3	Hsd17b12	Nppa	Mfap5
Aebp1	Cd109	Mcm2	Cnot6	Hspa1a	Pamr1	Mgat4a
Aff1	Cd248	Myl1	Col12a1	Icam1	Pik3r6	Mllt11
Agpat4	Cd34	Myom2	Col6a3	Ier3	Plekhg2	Ms4a6b
Ahctf1	Cd55	Neb	Coro1c	Igfbp3	Postn	Ms4a6d
Ahi1	Cd72	Nod2	Cpne8	Ints2	Ppp1r10	Msn
Ahnak	Cdc14a	Nr4a1	Csnk1g3	Irak2	Prkar1a	Mtap1b
Aida	Cdc2a	Nr4a3	Ctla2a	Junb	Ptgfrn	Necap2
Aim2	Cdca3	Nubp2	Cul4b	Kctd11	Rhbdfl	Nedd9
Ak311	Cenpi	Olfir809	Cxcr4	Litaf	Rnd3	Nfkbiz
Akap12	Cep192	Otud1	Dap	Lmcd1	Rybp	Nppb
Akirin1	Cep55	P2ry2	Ddx58	Lmna	Sae1	Nt5e
Akna	Cflar	Pbxip1	Dennd4a	Lpin3	Samd5	Numbl
Akr1b8	Cib1	Pcolce2	Dger8	Lrp8	Sardh	Oaf
Alas2	Ckap2	Pdgfc	Dhx33	Lrrc8b	Shisa4	Osmr
Alcam	Ckap2l	Pil6	Dock10	Maff	Socs2	Pafah1b2
Aldh1a2	Clec11a	Pla1a	Dock7	Mafk	Sox9	Panx1
Aldh3b1	Clec12a	Ppml1e	Dpp3	Map3k6	Sptlc2	Pdlim1

Aldoc	Clec2d	Prkca	Dpysl3	Mapk1ip11	Srpx2	Pdlim5
Alg5	Cmtm6	Psmb10	Dsel	Masp1	Svepl	Phlda1
Alg9	Cnot6l	Ptger4	Edem1	Mobkl2a	Tnmd	Pmp22
Alkbh1	Col11a1	Rab18	Eif2ak4	Mtap6	Ube2c	Ppap2b
Alkbh2	Col14a1	Rasd1	Endod1	Myc	Ubt2	Prmt2
Alox15	Col4a3	Rcan1	Entpd1	Nek6	Wwtr1	Ptgis
Alox5ap	Col4a4	Scx	Fam102b	Nes		Ptpn1
Aloxe3	Col5a1	Serpinf1	Fam54a	Nfkbia		Ptpn12
Ambral	Col5a2	Shisa3	Far1	Nme1		Ptpn9
Amical	Col6a2	Sik1	Fcer1g	Nos3		Rab31
Ammecr1	Colec12	Smad3	Fcgr3	Notch1		Rasa3
Amot	Commd7	Snap91	Fgfr1	Nuak2		Rin3
Amotl1	Cpd	Snord58b	Flnb	Pdlim7		Rnf169
Ampd2	Cspp1	Spry1	Fmnl3	Per1		Rps4y2
Ampd3	Csprs	St6galnac4	Fn1	Pfkip		Sdc4
Angpt2	Ctdspl2	Tas2r117	Fndc3a	Pgam1		Sec24d
Angptl4	Ctsk	Tbc1d10a	Fndc3b	Pgm1		Sema3f
Ankib1	Cx3cr1	Tet2	Ftl2	Plat		Serpine1
Ankrd10	Cxcl16	Thbs4	G2e3	Plaur		Sgms2
Ankrd13a	Cybb	Tnfaip2	Gab2	Plk3		Skil
Ankrd2	Cyp3a44	Tomm5	Gas2l3	Plscr1		Slc38a2
Ankrd27	Ddah1	Tpst2	Gas5	Ppap2c		Slc39a6
Ankrd28	Ddr2	Tsg101	Gdap2	Ppmlf		Slc41a2
Ankrd37	Diap2	Tspan17	Gpr124	Pprc1		Slc7a6
Ankrd52	Dlg2	Tubb2c	Gprc5b	Prr5		Smad1
Anp32b	Dlgap5	Txndc12	H2afx	Ptgs2		Spats2
Ap2b1	Dock1	Unc119b	Hiatl1	Ptpn2		Spred1
Apbb1ip	Dock6	Vmn2r50	Hip1	Pvt1		Synpo
Apex1	Dpysl2	Vsig2	Hmox1	Qsox1		Tgfb1
Apln	Dtx3l	Wdr34	Hn1l	Rangap1		Tgm2
Apob48r	Ect2	Xrcc2	Hnrnpf	Rhoc		Thbs1
Apoc2	Eda2r	Zfp640	Hpcal1	Rlf		Timp1
Aprt	Ehd2		Hspa8	Rpl3		Tlr4
Arc	Eif2ak2		Ifi204	Rrp12		Tmem173
Arf1	Elmo1		Ifitm2	Samd4b		Tmem2
Arf2	Enpp1		Ifitm3	Sbno2		Trim47
Arf3	Epb4.1l2		Il1rl2	Scd4		Tshz3
Arfgap1	Eps15		Il6ra	Sele		Tspo
Arg1	Erg		Iqgap1	Sema4c		Uchl1
Arg2	Espl1		Irf7	Sema6b		Ugdh
Arhgap1	Ets1		Itgav	Sema7a		Upp1
Arhgap27	Ext1		Itgb1	Sfn		Vcan
Arhgap30	Eya4		Itpril2	Sgk1		Wsb1
Arhgap9	Ezh2		Kctd10	Sh2d3c		X99384
Arhgdia	Fabp5		Kdelr3	Sh3gl1		Xirp1
Arhgef1	Fam129a		Kdsr	Slc10a6		Zswim6
Arhgef5	Fam38b2		Kif22	Slc16a6		
Arid3a	Fam70b		Kit	Slc20a1		
Arih1	Fat1		Krt18	Slc25a25		
Arih2	Fbln5		Lepre1	Smox		
Arl11	Fbn2		Lgals3	Sorbs3		
Arl8a	Fbx17		Lgals3bp	Spry4		
Armc7	Fcrls		Lgals9	Spty2d1		
Arpc2	Fhl5		Lilrb4	Srm		
Arpc3	Fli1		Lox13	St3gal1		
Arpc4	Flrt2		Lpin2	Stc1		
Arpc5	Fndc1		Lpp	Syt12		
Arrb1	Frat1		Lxn	Tax1bp3		
Arrb2	Frem1		Lyst	Tgfb1		
Arrdc4	Frm4b		Man1a	Tgfb2		
Arsg	Ftl1		Man2a1	Tle3		
Arv1	Fuca1		Map4k3	Tmem62		
Ascc2	Fut11		Mapre1	Tmem97		
Ascc3	Fxyd6		Marcks11	Tnfrsf12a		
Asns	Fzd8		Mcam	Tnfrsf1a		
Asprv1	Gabpb1		Mcm6	Tnip1		
Aspscr1	Ggta1		Med15	Trib1		
Ass1	Gja5		Mest	Trim16		
Atf4	Glecc1		Mgat2	Tspan9		

Atic	Glt8d4		Mib1	Ttl12		
Atn1	Gmn		Mkl1	Ttpal		
Atoh1	Gnas		Mmp14	Tuba1a		
Atp13a3	Gnb4		Mobk12c	Tuba1b		
Atp1a3	Got2		Morc3	Tubb2a		
Atp6v1h	Gpc6		Ms4a6c	Tubb2b		
Atp8b4	Grb10		Mtmr11	Tubb6		
Atxn10	Gria3		Mtmr2	Uap1		
Atxn11	Grn		Mx1	Ubt1		
Atxn21	Guey1b3		Myh10	Uck2		
Atxn712	Gulp1		Myh9	Vat1		
Atxn713	H2-D1		Myo1d	Wt1		
B3gnt3	H2-K1		Myo5a	Zc3h12a		
B3gnt7	H2-Q6		Myof	Zfp568		
B4galnt1	H2-Q7		Ncam1	Zyx		
Baiap2	H2-Q8		Nckap11			
Baspl	Herc5		Nid2			
Bat1a	Hexb		Nipsnap3a			
Bax	Hiat1		Nmt2			
Bcar1	Hist1h2af		Nrg1			
Bcat1	Hist1h2an		Nuch2			
Bcl10	Hist1h2ao		Nup155			
Bcl2a1a	Hist1h2bb		Nus1			
Bcl2a1b	Hist1h2bc		Pabpc1			
Bcl2a1c	Hist1h2bg		Papd4			
Bcl2a1d	Hist1h2bm		Parva			
Bcr	Hist1h3a		Pctk2			
Bdkrb2	Hist1h3f		Pdk3			
Bet11	Hist1h3g		Picalm			
Bhlhe40	Hist1h4b		Pigm			
Bin1	Hist2h2aa1		Plk2			
Bin2	Hist2h3b		Plod2			
Bin3	Hist2h3c1		Plp2			
Birc1f	Hmgn3		Pls3			
Birc3	Iffo1		Pnp2			
Blk	Ifi203		Ppia			
Blm	Ifi44		Praf2			
Bmf	Ifih1		Prelid1			
Bmp2	Ifit1		Prkcdbp			
Bnip3	Ifit2		Prmt6			
Bnip3l	Ifngr1		Pros1			
Bok	Igfbp7		Ptprf			
Bop1	Igsf10		Ptprj			
Bpgm	Il10ra		Pxdn			
Brap	Il2rg		Rab27a			
Brd2	Il34		Rab5c			
Brp16	Iqgap3		Rai14			
Brpf1	Itga1		Rap1b			
Bsn	Itgb5		Rbm3			
Bst1	Itgb11		Rbm7			
Btbd10	Itm2a		Rhog			
Btbd12	Itpr1		Rhoj			
Btg1	Itpr2		Ripk1			
Btg3	Jag1		Rnf115			
Bub1b	Kcne1		Rnu73b			
Bxdc1	Kdelc2		Rod1			
Bxdc2	Kif11		Rpl23a			
Bysl	Kif20a		Rsu1			
Bzw1	Kif23		S100a11			
Clqmf6	Kif26b		Sdc3			
C5ar1	Kif4		Sec61a1			
Cacna1d	Klhdc8b		Sec61g			
Cad	Klhl26		Sema6d			
Cald1	Klra10		Serp1			
Calm1	Lama2		Sf3b1			
Camsap111	Lama4		Sfxn3			
Capn2	Lamb1-1		Sh3bp2			
Car13	Lamc1		Slc1a5			
Car9	Leprel2		Slc25a24			

Cars	Lhfp		Slc39a1			
Casp3	Lima1		Slc6a6			
Casp8	Lrrc16a		Slfn2			
Cast	Lrrk1		Smoc1			
Cbl	Lsp1		Smpx			
Cblb	Luzp1		Snord82			
Ccbp2	Ly86		Snx4			
Ccdc109b	Lyz2		Soat1			
Ccdc134	Maml2		Spata6			
Ccdc50	Map3k3		Spire1			
Ccdc6	Marcks		Spna2			
Ccdc86	Mdfic		Tacc3			
Cchcr1	Melk		Tagln2			
Ccl17	Mfap2		Tcf12			
Ccl3	Mier1		Tdrd7			
Ccl6	Mki67		Tfdp1			
Ccl9	Mllt3		Tgfbr2			
Ccn1	Mpz1		Tgif1			
Ccr1	Ms4a7		Tifab			
Cct2	Mttr6		Tiparp			
Cct3	Mxd4		Tirap			
Cct4	Mxi1		Tmem45a			
Cct6a	Mxra7		Tmod3			
Cct8	Mybl1		Tmsb10			
Cd14	Myl12b		Tmsb4x			
Cd177	Myo1e		Tns3			
Cd244	Myo9a		Tor1aip2			
Cd24a	Naalad2		Tpm3			
Cd300a	Naip5		Tpm4			
Cd300lf	Nav3		Trim30			
Cd37	Nbea		Trp53inp1			
Cd52	Ncaph		Tspan14			
Cd63	Nelf		Tspan4			
Cd84	Nid1		Ttyh2			
Cd97	Nin		Tubb5			
Cda	Nr2c2		Twf1			
Cdc16	Nrp2		Ube2i			
Cdc42	Nuf2		Vash1			
Cdc42bbp	Nupr1		Vim			
Cdca4	Nusap1		Wdr32			
Cdca71	Olfml3		Wisp1			
Cdgap	Olfir558		Zc3hav1			
Cdh1	Omd		Zdhhc20			
Cdk6	Ostb		Zfc3h1			
Cdk9	P2rx7		Zfp57			
Cdkn2aipnl	Pan3		Zfp697			
Cdr2l	Pbk					
Cdsn	Pcdh17					
Cdt1	Pcdhb16					
Cdv3	Pde5a					
Cebpb	Pdgfr1					
Cenpc1	Pftk1					
Cenpt	Phldb2					
Cfl1	Pip4k2a					
Cfl2	Pkd2					
Cgref1	Plxdc2					
Chaf1b	Plxnb2					
Chd1	Polk					
Chd7	Ppic					
Chd9	Prc1					
Chi311	Prep					
Chi313	Prim2					
Chi314	Prkd3					
Chic2	Prnd					
Chka	Prrg3					
Chmp4b	Prss23					
Chmp4c	Ptgs1					
Chrb1	Ptplad2					
Chst11	Ptprd					

Chsy1	Pvrl3				
Cirh1a	RP23-38E20.1				
Ckap4	Rab23				
Cks2	Rab3d				
Clca1	Rab711				
Clefl	Rab8b				
Clcn5	Racgap1				
Cldn15	Rapgef5				
Clec4d	Rbl1				
Clec4e	Rbms3				
Clec5a	Reep4				
Clic4	Renbp				
Clic5	Rgs4				
Cltb	Rnasel				
Cltc	Rnf213				
Cmpk1	Rnf26				
Cndp2	Rnu73a				
Cnih2	Robo1				
Cnksr1	Rock2				
Cnn2	Rpl10a				
Cog3	Rpl31				
Col18a1	Rrm2				
Copb1	Samd9l				
Copg	Sash1				
Coro1a	Sdc2				
Coro1b	Sec62				
Coro2a	Sema3c				
Cotl1	Sephs1				
Cox18	Serpinb8				
Cpne1	Setdb2				
Cpne2	Sez6l2				
Cpsf2	Sh3d19				
Cpsf7	Sipa111				
Cpt1a	Slamf7				
Creb3	Slamf9				
Creb3l1	Slc16a12				
Creb5	Slc35a3				
Creld2	Slc39a10				
Crk	Slc5a3				
Crkrs	Smc4				
Crlf2	Snai2				
Crmp1	Snord16a				
Crte2	Snord22				
Cry1	Snord32a				
Cryab	Snord35b				
Csf2rb	Snord61				
Csf2rb2	Sntb1				
Csf3r	Sntb2				
Csgalnact1	Sox18				
Csnk1d	Sp110				
Csrp1	Sp140				
Cstb	Sp3				
Cstf2	Spag5				
Ctdp1	Sparc				
Ctla2b	Sparc11				
Ctps	Spc25				
Ctn	Stap2				
Cul2	Stmn1				
Cwf19l1	Stox2				
Cxcl2	Stx2				
Cxcl3	Stxbp5				
Cxcr6	Sulf1				
Cyfip1	Tceal8				
Cyp1b1	Tcf4				
Cyp20a1	Thy1				
Cyp4f18	Tlr3				
Cyr61	Tlr8				
Cytip	Tmem176b				
Dbf4	Tmem195				

Dck	Tmem67				
Dclre1b	Tmem71				
Dcpp1	Tmem98				
Dctd	Tmpo				
Dcun1d3	Tnpol				
Dda1	Top2a				
Ddr1	Tpx2				
Ddx10	Trem2				
Ddx19a	Trib2				
Ddx19b	Trim2				
Ddx21	Trim25				
Ddx24	Trim59				
Ddx27	Trps1				
Ddx31	Tspan6				
Ddx39	Tug1				
Ddx50	Ugcg				
Ddx54	Vasn				
Ddx56	Vgll3				
Defb13	Vwa5a				
Degs1	Wbp5				
Dera	Xrcc4				
Dgkd	Zbtb1				
Dgkh	Zdhhc2				
Dhcr24	Zfp26				
Dhrs9	Zfp521				
Dhx32	Zfp760				
Dhx37	Zfp87				
Dhx38					
Dhx8					
Dhx9					
Diap1					
Dicer1					
Dimt1					
Dis3					
Dke1					
Dlg5					
Dlgap4					
Dll4					
Dnajb9					
Dnajc5					
Dnm2					
Dnttip2					
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Dock4					
Dock5					
Dok1					
Dok3					
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Dpep3					
Dph2					
Dph5					
Dpy19l1					
Dtl					
Dusp26					
Dusp4					
Dusp5					
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E2f7					
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Ear2					
Ece1					
Ecm1					
Ecsr					
Edn1					
Eef1b2					
Eef1e1					
Eef1g					
Eef2k					
Efna5					

Eftud1						
Eftud2						
Egln3						
Eid3						
Eif2ak3						
Eif2b3						
Eif2c2						
Eif2s1						
Eif2s2						
Eif3b						
Eif3d						
Eif4a1						
Eif4ebp1						
Eif5						
Eif5a2						
Eif6						
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Elk4						
Ell						
Ell2						
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Emp2						
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Ercc61						
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Fam46c						
Fam49b						
Fam57a						
Fam60a						

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Fbxw9						
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Fcgr4						
Fcrlb						
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Fmr1						
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Fosl1						
Foxn2						
Fpgs						
Fpr1						
Fpr3						
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Frmd4a						
Fscn1						
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Ftsj3						
Fubp3						
Furin						
Fut4						
Fxyd5						
G6pd2						
G6pdx						
Gabarapl2						
Gabre						
Gadd45b						
Gak						
Gale						
Galk1						
Galns						
Galnt6						
Galnt11						
Gan						
Gapt						
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Gas211						
Gas7						
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Gclm						
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Gent2						
Gda						
Gdf6						
Gdi2						
Gemin5						
Gemin6						
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Gfpt1						
Gimap7						
Gins2						
Gipc1						
Gipr						
Gje1						
Glipr2						
Glis3						
Glrx						
Glt8d3						
Glul						
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Gm22						
Gm340						
Gm672						
Gm885						
Gmds						
Gmeb2						
Gmfb						
Gmfg						
Gmip						
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Gnai3						
Gnb1						
Gnb211						
Gng12						
Gngt2						
Gnl3						
Gnpnat1						
Golt1b						
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Gorasp2						
Gosr2						
Gpatch4						
Gpd1						
Gpihbp1						
Gpn2						
Gpr141						
Gpr172b						
Gpr35						
Gpr39						
Gpr64						
Gpr97						
Gprec5a						
Gpx1						
Grap						
Grhl1						
Grk6						
Grwd1						
Grxcr1						
Gsr						
Gss						
Gsta1						
Gsta2						
Gsted						
Gtf2f1						

Gtf2f2						
Gtpbp4						
Gtpbp6						
H13						
H2-M10.3						
H2-Q10						
H3f3b						
H6pd						
Hars						
Haus6						
Haus7						
Havcr2						
Hax1						
Hba-a1						
Hba-a2						
Hbb-b1						
Hcls1						
Hdac1						
Hdac6						
Hdc						
Heatr1						
Hells						
Hgs						
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Hk1						
Hk3						
Hmg111						
Hmga1						
Hmgb1						
Hmgb2						
Hmgcr						
Hmgn1						
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Hnrnpa3						
Hnrmpk						
Hp						
Hps3						
Hpse						
Hrct1						
Hsd17b11						
Hsd3b4						
Hspa13						
Hspb1						
Hspb2						
Htr2a						
Htt						
Hyou1						
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Id2						
Iffo2						
Ifi30						
Ifitm1						
Ifitm6						
Ifrd1						
Igf1r						
Igf2bp2						
Igsf2						
Igsf6						
Ikbke						
Ikzf1						
Il11						
Il17ra						
Il18rap						
Il1f9						
Il1r2						
Il1rap						

Ii20rb						
Ii4ra						
Ii8rb						
Iik						
Impdh1						
Impdh2						
Inhba						
Inhbb						
Ino80						
Ino80c						
Ip6k2						
Ipo4						
Ipo7						
Ippk						
Irak3						
Irak4						
Irf8						
Irg1						
Irs2						
Itga2						
Itga2b						
Itga3						
Itga7						
Itgal						
Itgam						
Itgb1bp3						
Itgb2						
Itgb3						
Itgb7						
Itpk1						
Itpkc						
Itp3						
Jmjd6						
Jtv1						
Jub						
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Kcnn4						
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Kctd5						
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Kif3b						
Klf10						
Klf16						
Klf6						
Klhde4						
Klh12						
Klh16						
Klra2						
Kpnb1						
Kri1						
Krt19						
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Krt80						
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Larp1						
Lasp1						
Lass2						
Lass3						
Lass6						
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Lcn2						
Lcp2						
Ldb2						

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Limk1						
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Lipg						
Llph						
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Lmnb1						
Lonrf3						
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Lpcat4						
Lpxn						
Lrp10						
Lrrc32						
Lrrc49						
Lrrc58						
Lrrc59						
Lrrc8c						
Lrrc8d						
Lrrfip1						
Lsg1						
Lss						
Ltbr						
Ltv1						
Ly6g						
Lyn						
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Mal						
Mall						
Malt1						
Maml1						
Manbal						
Map2k1						
Map2k3						
Map2k4						
Map4k4						
Map4k5						
Mapk11						
Mapk6						
Mapk7						
Mast4						
Mbc2						
Mbd1						
Mbn12						
Mboat2						
Mcm3						
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Mcm9						
Mctp2						
Mdfi						
Mdn1						
Me2						
Med13l						
Med14						
Med8						
Mertk						
Met						
Mettl1						
Mettl13						
Mettl9						
Mex3d						

Mfsd10						
Mfsd7b						
Mical1						
Mical2						
Micall1						
Micall2						
Midn						
Mif						
Mirhg1						
Mki67ip						
Mkrn1						
Mlxip						
Mmadhc						
Mmp12						
Mmp19						
Mmp25						
Mmp3						
Mmp8						
Mmp9						
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Mogs						
Morc2a						
Morf4l2						
Mospd4						
Mpg						
Mphosph10						
Mphosph6						
Mrps18b						
Mrto4						
Ms4a15						
Ms4a4a						
Ms4a8a						
Msr1						
Mt1						
Mt2						
Mtbp						
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Mthfd2						
Mthfr						
Mttr12						
Mttr9						
Mtpn						
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Mvp						
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Mybbp1a						
Myd116						
Myd88						
Myo1c						
Myo1h						
Myo9b						
Myoz1						
Myst2						
Nacc1						
Nadk						
Naip1						
Naip2						
Nans						
Napsa						
Nars						
Nat10						
Nav2						
Nedn						
Ncf1						
Ncf2						
Ncf4						
Nckap1						
Ncl						

Ncor2						
Ndrp1						
Ndst1						
Nfam1						
Nfe2l2						
Nfil3						
Nfkb2						
Nhedc2						
Nhp2						
Ninj1						
Nip7						
Nkrf						
Nlrp3						
Nobl						
Noc3l						
Nol10						
Nol12						
Nol6						
Nol9						
Nolc1						
Nop14						
Nop16						
Nop2						
Nop56						
Nop58						
Nos2						
Notch2						
Notch4						
Npm1						
Npy						
Nr2c2ap						
Nras						
Nrgn						
Nrm						
Nsf						
Nsun2						
Nt5c						
Nts						
Nudcd1						
Nudcd2						
Nufip1						
Nup107						
Nup153						
Nup205						
Nup210l						
Nup43						
Nup50						
Nup54						
Nup93						
Nup98						
Nupl1						
Nxn						
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Obfc2a						
Odc1						
Olfir161						
Olfir920						
Olr1						
Orc2l						
Orc6l						
Osbp110						
Osbp15						
Osgin1						
Ostc						
Ostf1						
Otub1						
Otx1						
Oxsr1						
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P4hb						
Pa2g4						
Pabpc11						
Pafah1b3						
Pag1						
Pak1						
Pak1ip1						
Pak2						
Pak3						
Pak4						
Pak6						
Papss1						
Pard6b						
Parvb						
Parvg						
Pask						
Pcbp3						
Pcdhb17						
Pcna						
Pcnx13						
Pctk3						
Pded10						
Pded11						
Pdc6ip						
Pde1a						
Pde1b						
Pdgfra						
Pdia4						
Pdia5						
Pdk4						
Pdpl1						
Pdpln						
Pdzrn3						
Pecam1						
Per2						
Pes1						
Pex14						
Pf4						
Pfkfb3						
Pfkfb4						
Pfn1						
Pgd						
Pgf						
Pgk1						
Pglyrp1						
Pgm3						
Pgrmc1						
Pgs1						
Phactr4						
Phf20						
Phlda3						
Pi15						
Pi4k2a						
Pi4k2b						
Pik3c2a						
Pik3cd						
Pik3r5						
Pilra						
Pion						
Pip5k1a						
Pira2						
Pira3						
Pitpna						
Pitpnm1						
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Pkmyt1						
Pkn2						
Pknox1						
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Pla2g7						
Plac8						
Plau						
Plcxd2						
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Plekha1						
Plekha2						
Plekhg1						
Plekhm3						
Plekho2						
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Plvap						
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Pole3						
Polh						
Polr1b						
Polr2a						
Polr3e						
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Pop4						
Por						
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Ppbb						
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Pphln1						
Ppib						
Ppm1j						
Ppme1						
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Ppp1r15b						
Ppp1r2						
Ppp2cb						
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Ppp2r2a						
Ppp4c						
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Prdx6						
Prep						
Prg4						
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Prkab2						
Prkar2b						
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Prkx						
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Procr						
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Prpf40a						
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Ptpn23						
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Ptrh1						
Ptx3						
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Rad23b						
Rad54l2						
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Rbmxrt						
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Rbpms						
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Rcc2						
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Relb						
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Rgnef						
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Rhbdf2						
Rhod						
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Ripk3						
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Rnf41						
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Rnmt						
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Rps18						
Rps19						
Rps25						
Rps27a						
Rps6						
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Rps6ka3						
Rps6ka4						
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Rras2						

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Rrp8						
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Sav1						
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Scn5a						
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Scyl3						
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Sdc1						
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Sdcbp2						
Sdk2						
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Sec24a						
Sec24b						
Seh1l						
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Selp						
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Sema4a						
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Serpina3m						
Serpinb2						
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Sertad2						
Sertad3						
Sesn2						
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Setd5						
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Sh3bgrl3						
Sh3pxd2b						
Shb						
Shc1						

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She						
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Shoc2						
Shq1						
Shroom2						
Shroom3						
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Siglece						
Sigmar1						
Sipa113						
Sirpb1						
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Slc1a4						
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Slc2a3						
Slc30a4						
Slc30a7						
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Snord53						
Snord96a						
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Snrpd1						
Snx1						
Snx10						
Snx18						
Snx24						
Snx7						
Snx9						
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Sorbs2						
Spata13						
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Spcs3						
Spg21						
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Spr2a						
Spry2						
Spryd3						
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Src						
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Srgap3						
Srgn						
Sri						
Srxn1						
Ssb						
Ssh1						
Ssr1						
Ssr2						
Ssrp1						
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Star						
Stat3						
Steap1						
Steap2						
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Stk4						
Stk40						
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Strn						
Strn4						
Stt3a						
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Stxbp2						
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Surf4						

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Syncrip						
Synj1						
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Taf4b						
Taf9						
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Taldo1						
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Tas2r135						
Tas2r143						
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Tbl3						
Tbrg1						
Tbrg3						
Tcerg1						
Tcfec						
Tdg						
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Tead4						
Tes						
Tex10						
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Tgfb1						
Tgm1						
Thoc4						
Thumpd3						
Tiam2						
Tifa						
Tigd2						
Tinag1l						
Tipin						
Tjap1						
Tjp2						
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Tmed5						
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Tmem120a						
Tmem128						
Tmem154						
Tmem165						
Tmem167						
Tmem168						
Tmem183a						
Tmem184b						
Tmem189						
Tmem202						
Tmem214						
Tmem22						
Tmem39a						
Tmem43						

Tmem49						
Tmem87b						
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Tnfaip6						
Tnfaip812						
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Tnfrsf1b						
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Tnfrsf9						
Tnfsf9						
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Topbp1						
Tpbg						
Tpcn2						
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Tpp2						
Tpt1						
Tra2b						
Traf3						
Traf6						
Traf7						
Tram1						
Tram2						
Trappc5						
Trem1						
Trem2						
Trib3						
Trim27						
Trim41						
Trip13						
Trmt6						
Trmt61a						
Trove2						
Trp53						
Trp53i11						
Trp53i13						
Trpc6						
Trpm2						
Trpv2						
Tsc22d2						
Tshz1						
Tsku						
Tspan5						
Tsr1						
Tsse4						
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Ttc9						
Ttll1						
Tuba1c						
Tubb1						
Tuft1						
Tulp4						
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Twistnb						
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Txn1						
Txndc11						
Txndc5						
Txnrd1						
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Ubash3b						
Ube2e2						

Ube2j1						
Ube2o						
Ube2z						
Ubqln1						
Ubxn4						
Ucp2						
Ufm1						
Ugcgl2						
Ugt1a9						
Uhrf1						
Uhrf1bp11						
Unc5b						
Urb1						
Urb2						
Uso1						
Usp1						
Usp20						
Usp22						
Usp31						
Usp39						
Usp47						
Usp53						
Usp6nl						
Usp7						
Usp11						
Utp14a						
Utp15						
Utp18						
Utp20						
Uxs1						
Vars						
Vasp						
Vav1						
Vcl						
Vmn2r9						
Vps37b						
Vps4b						
Wasf2						
Wdfy1						
Wdhd1						
Wdr1						
Wdr12						
Wdr26						
Wdr3						
Wdr4						
Wdr43						
Wdr45l						
Wdr46						
Wdr62						
Wdr70						
Wdr73						
Wdr74						
Wdr75						
Wdr77						
Wdsof1						
Whamm						
Whsc1						
Wipf1						
Wnt9a						
Wwc2						
Xbp1						
Xirp2						
Xpnpep1						
Xpo6						
Xpot						
Xylt1						
Yars						
Yipf5						
Ykt6						

Ypel5						
Yrdc						
Ythdf2						
Ywhab						
Ywhag						
Ywhah						
Ywhaz						
Zbp1						
Zbtb22						
Zc3h12d						
Zc3h7a						
Zcche9						
Zdhhc12						
Zdhhc21						
Zdhhc9						
Zfp120						
Zfp13						
Zfp408						
Zfp52						
Zfp593						
Zfp9						
Zfr						
Zmat3						
Zmiz1						
Zmynd19						
Znrf2						
Zscan4-ps2						
Zswim4						
Zwilch						
Zwint						
Zzefl						

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Table S2: Down-regulated genes in all time points post MI.

Uniquely down-regulated 2 days post-MI	Uniquely down-regulated 2 weeks post-MI	Uniquely down-regulated 2 months post-MI	Commonly down-regulated in 2 days and 2 weeks	Commonly down-regulated in 2 days and 2 months	Commonly down-regulated in 2 weeks and 2 months	Commonly down-regulated in all time points
Aadacl1	ATP6	Abcd2	Abcb10	Abhd14b	Ankrd33b	A2bp1
Aars2	Abcb9	Abhd6	Abcb6	Adam11	Cited2	AI314976
Aarsd1	Abcf2	Acn9	Abcc8	Adamts7	Eny2	Aasdh
Aasdhppt	Acot7	Adam23	Abhd11	Agtpbp1	Kcna1	Ahr
Abca1	Actl6a	Aldh9a1	Ablim2	Ano5	Slc20a2	Aigl
Abca12	Acy1	Amotl2	Acaa2	Aqp7	Slc9a2	Akt1s1
Abca2	Adamts15	Arhgap28	Acad10	Arhgef3	Tbc1d24	Aldob
Abca6	Ak311	Arl9	Acp6	Cadm4	Tmem220	Amy1
Abca8a	Alb	Bcar3	Acsf3	Camk2a		Asb15
Abca8b	Atg16l1	Bcl2l11	Acsm5	Cc2d2a		Aspa
Abca9	Atp6v0a2	Cartpt	Acyp2	Cd200		Bmper
Abcb4	B4gal3	Ccdc3	Adck1	Cdh19		Cpox
Abcb7	BC003266	Ccng2	Adi1	Cdh4		Cth
Abcb8	Bcl2l13	Cd274	Adra1b	Cdkn1b		Dennd4b
Abcc5	Brp16	Celsr2	Adrb1	Ces3		Egf
Abcc9	C85492	Clen3	Adsl	Chac2		Enpp2
Abcd1	C8g	Cnn1	Agpat3	Clen1		Epdr1
Abhd10	Cacna1s	Ctdsp2	Ahsa1	Cln6		Epha4
Abhd12	Ccdc101	Cxcl12	Aifm1	Cmtm8		Fdft1
Abhd14a	Cct7	Cxcl13	Akr7a5	Ctage5		Fn3k
Abhd3	Ciapin1	Cybrd1	Alad	Ddx60		Gcat
Abhd8	Clec12b	Defb46	Alkbh7	Dgke		Gfra1
Ablim1	Cntfr	Dmxl2	Amacr	Dhdh		Gfra3
Ablim3	Cwcl5	Edn1	Amy2a1	Dhtkd1		Ggnbp1
Abtb1	Cxcl14	Eef2k	Amy2a5	Dnaje12		Kcnd2
Acaal1a	Cyp26b1	Fcho2	Anapc13	Efemp1		Kcnj3
Acacb	Dct	Fhod1	Angptl1	Eif2c4		Klhdc6
Acad11	Denr	Fut10	Ano4	Fam102a		Klhl38
Acad8	Diap3	Gk5	Anp32a	Fam13c		Lmod3
Acad9	Dlx6	Gng5	Anxa11	Fbxo10		Lrrc61
Acadl	Dnajb9	Gpr21	Ap3s2	Gbp5		Lsm14b
Acadm	Dtx1	Hamp2	Apool	Gpr155		Mblac2
Acads	Dub2	Ihh	Arl2	Gstt2		Mettl7a1
Acadsb	Dub2a	Insig1	Arl3	Hey2		Mlxipl
Acadv1	Dus2l	Kcna6	Armc2	Idh1		Mme
Acat1	Dusp10	Kdm6a	Asb18	Kcnj2		Mrgprh
Aco2	Dydc1	Kpna2	Asfla	Kitl		Nampt
Acot11	Ebna1bp2	Krec1	Atg4d	Lama5		Olf1396
Acot13	Egln2	Krt7	Atp5f1	Lin52		P2ry1
Acrbp	Eif1b	Krt86	Aurkaip1	Lphn1		Pde11a
Acs11	Eif3m	L1cam	Aven	Mamdc2		Pde4a
Acs16	Fam69a	Lonrf1	Bckdhh	Map2k6		Penk
Acss1	Fiz1	Lpcat3	Bcl7a	Mfhas1		Plp1
Acss2	Fkbp2	Lrrn4	Bola1	Mrps35		Plxnb1
Actr3b	Fndc4	Mdm4	Btdb2	Mrvil		Ppl
Actr6	Fosb	Mix11	Btdb6	Mterfd2		Prodh
Actr8	Ftcd	Mkl2	Bzw2	Mtl5		Pttgl
Acvr2a	Gar1	Mylk	Calr3	Myet1		Rarb
Acy3	Gata3	Nkain4	Carkd	Myo5c		Rgs7bp
Acyp1	Ggct	Nlgn3	Cars2	Naprt1		Scn4b
Adal	Gigyf1	Nme4	Cbx7	Nrn1		Siva1
Adam4	Git1	Npc1	Cby1	Olf1558		Slc16a10
Adamts10	Gsta2	Npy1r	Ccdc90b	Osbp13		Slc22a3
Adamts3	Gtf2h4	Nr2f2	Ccnh	Pank1		Slc25a42
Adamts5	Gtsf11	Olf1416	Cdc34	Pddc1		Slc26a6
Adecy5	Hk2	Olf1765	Cecr5	Pdgfa		Trdn
Adecy6	Hnrpd1	Ovol3	Chchd7	Pkia		Ybx2
Adecy9	Ifrd2	P2ry5	Chure1	Plekhl1		
Add3	Ints1	Pigz	Clpb	Prickle1		
Adh1	Itga7	Plb1	Clpp	Prr12		
Adhfe1	Jagn1	Pramel4	Coq3	Prrg1		
Adprhl1	Jmjd5	Ptch1	Coq4	Rassf9		
Adra1a	Jph1	Rarres1	Coq7	Rem1		

Aes	Jph2	Rdx	Cox7c	Rhbd13		
Aga	Kbtbd5	Rfxap	Cpeb3	Rit1		
Agl	Klhl34	Rhpn2	Cpt2	Rnf122		
Agpat1	Klk1b11	Ripk2	Creg1	Rnf139		
Agtr1a	Krtap5-1	Rpp25	Ctf1	Rps6ka5		
Ahdc1	Krtap5-2	Siglecg	Cutc	Runx1t1		
Ahsa2	Kti12	Slc22a13	Cux2	Slc17a5		
Ak1	Las11	Slc6a9	Cyb5d2	Slc25a35		
Ak3	Lrrn2	Slitrk6	Cyp2u1	Slc38a6		
Akap1	Lypla2	Smarcd1	Dand5	Slc40a1		
Akap6	Lym4	Tigd2	Dap3	Slc46a3		
Akap7	Magea10	Tmem170	Dcun1d2	Taf1d		
Akap8l	Map6d1	Tmem8	Ddrgk1	Tet1		
Akr1b3	Mapk14	Tspan15	Dhcr7	Thap2		
Akr1c14	Mef2d	Wnt2b	Dhrs4	Tmco7		
Akr1e1	Meis1	Xlr4c	Dip2c	Tmem86a		
Akt2	Metl14	Zbtb37	Dnaja3	Tnfsf10		
Aktip	Mknk2	Zc3h6	Dnajb2	Tnik		
Alas1	Mlycd	Zfp109	Dnajc28	Tst		
Aldh2	Mmadhc	Zfp395	Dynll2	Wnt5a		
Aldh4a1	Mrpl50	Zfp607	Eef1a2	Zbtb44		
Aldh5a1	ND6	Zfp608	Efnb3			
Aldh6a1	Ncln		Efr3b			
Aldh7a1	Neu3		Egln1			
Alg6	Neurl4		Eif4e3			
Alox5	Nfe2l1		Entpd6			
Alpk2	Nmd3		Eral1			
Alpk3	Nol11		Erb3			
Amd1	Npm3		Erc1			
Amigo1	Nt5dc3		Esrra			
Amz2	Nt5m		Esrrg			
Anapc5	Olfrl166		Extl1			
Angpt1	Olfrl419		Fam116b			
Angptl3	Pctp		Farp2			
Ank	Pcyt1a		Fem1a			
Ank2	Pelp1		Fitm2			
Ankmy2	Pgp		Fkbp4			
Ankrd12	Pin4		Flad1			
Ankrd29	Plekhb1		Flcn			
Ankrd32	Plekhj1		Foxo4			
Ankrd40	Pnck		Fto			
Anks1	Polr3g		Fuz			
Ankzf1	Ppa1		Fxn			
Ano1	Ppapdc2		Gal3st3			
Ano8	Ppp2r5b		Galm			
Antxr2	Prdx1		Garnl4			
Aof1	Preb		Gga2			
Aox1	Prkag3		Ggt5			
Ap4m1	Prkez		Gjb4			
Ap4s1	Psemb3		Gm889			
Apba3	Psemb5		Gpr157			
Apbb1	Psmg2		Gpt			
Apeh	Rdh19		Grec10			
Apex2	Ret		Grip2			
Apip	Rgs7		Gtpbp5			
Aplnr	Rhox1		H2-Ke2			
Aplp2	Rnd2		Hdac11			
Apoa1bp	Rnf113a2		Hmcn1			
Apobec2	Rnf7		Hnrnp3			
Apoe	Rps8		Hrc			
Apol10b	Scara5		Hsd17b10			
Apoo-ps	Scye1		Hspa12a			
App12	Sdsl		Hspd1			
Aqp1	Sema4b		Hspe1			
Aqp11	Sephs2		Idua			
Aqp4	Setmar		Ifna14			
Aqp8	Slc12a7		Immp2l			
Ar	Slc1a1		Inmt			
Araf	Slc22a23		Ipo13			

Arap2	Slc25a22		Iqsec1		
Arfrp1	Slc25a28		Josd2		
Arhgap12	Slc25a29		Kbtbd3		
Arhgap20	Smcr71		Kcnj5		
Arhgap24	Snrpd3		Kcnk3		
Arhgap26	Snupn		Kcnn1		
Arhgef15	Sox2		Kcnv2		
Arhgef17	Ssr4		Khk		
Arhgef19	Ssxb10		Klhdc1		
Arhgef6	St13		Klhl21		
Arhgef9	Stfa1		Kptn		
Arl5b	Sumo3		Lace1		
Arl6ip6	Taf1a		Larp2		
Armc1	Telo2		Larp7		
Armex3	Tfpt		Lcmt2		
Armet11	Tmed9		Lgr6		
Arpc51	Tmem170b		Ligl2		
Arsk	Tmem191c		Lmf1		
Art1	Tmem196		Lrrc3b		
Art4	Tns1		Lrtm1		
As3mt	Tsr2		Maf1		
Asah2	Ubqln3		Map3k10		
Asap3	Vamp8		Map3k4		
Asb10	Wdr40b		Metap11		
Asb11	Zbed3		Mettl5		
Asb13	Zc3hc1		Mfap3l		
Asb14	Zfp574		Mgrn1		
Asb2	Zfp667		Mif4gd		
Asb3	Zim1		Mipep		
Asb5	Zscan20		Mmaa		
Asb8	Zswim7		Mmab		
Ascc1			Mpst		
Asna1			Mrm1		
Asnsd1			Mrpl2		
Asph			Mrpl23		
Asrgl1			Mrpl37		
Atad1			Mrpl45		
Atf7ip			Mrpl51		
Atg10			Mrpl9		
Atg2a			Mrps33		
Atg4c			Mrps9		
Atm			Mtg1		
Atp11a			Mtx2		
Atp1a2			Mul1		
Atp1b2			Myh7b		
Atp2a2			Nat11		
Atp2c1			Nat5		
Atp5a1			Ndufa1		
Atp5b			Ndufa5		
Atp5c1			Ndufaf4		
Atp5d			Ndufb2		
Atp5e			Ndufb4		
Atp5g1			Ndufv3		
Atp5g2			Neurl2		
Atp5g3			Nfs1		
Atp5h			Nr1h3		
Atp5j			Nr3c2		
Atp5j2			Nude		
Atp5k			Nudt15		
Atp5l			Nutf2		
Atp5o			Oma1		
Atp5s			Opa3		
Atp5sl			Osbp2		
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Atp6v1d			Pcx		
Atp6v1e1			Pcvt2		
Atp6v1f			Pded5		
Atp6v1g2			Pde4d		
Atp8a1			Pde7a		

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Atp9a			Peo1		
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Atpaf2			Pex10		
Atpif1			Pex6		
Atxn1			Pex7		
Atxn2			Phkg1		
Auh			Pigo		
Auts2			Pigp		
B3galnt2			Pigv		
B3galt2			Pik3ip1		
B3gat3			Pink1		
B4galt4			Pkd2l2		
Bag1			Pmpca		
Bag4			Polq		
Bahcc1			Polr2f		
Bak1			Pomt1		
Bambi			Ppargc1b		
Banp			Ppm1l		
Bat5			Ppp1r12b		
Baz1b			Prkaa2		
Bbs2			Prlr		
Bbs7			Prox1		
Bbs9			Pstpip2		
Bcam			Pts		
Bcas3			Pxmp2		
Bcat2			Qrs1l		
Bche			Qsox2		
Bckdha			Rapsn		
Bckdk			Rassf3		
Bcs1l			Reep5		
Bhlhb9			Repin1		
Blnk			Retsat		
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Bphl			Rilp1l		
Brd7			Rmnd1		
Brd9			Rnf5		
Bri3bp			Rnmtl1		
Brms1l			Rpp21		
Brp44			Rps6ka2		
Brp44l			Samm50		
Brwd2			Sar1b		
Bscl2			Sbk1		
Btnl9			Scn4a		
Btrc			Scnm1		
Bves			Sdhc		
C1qtnf7			Sdr39u1		
C1qtnf9			Sec31b		
C1s			Slc17a7		
C2cd3			Slc22a5		
C3			Slc25a26		
C7			Slc25a38		
C87436			Slc2a4		
Cab39l			Slc35e1		
Cabc1			Slc4a3		
Cables1			Slc5a6		
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Cacna1g			Sms		
Cacna2d1			Sneg		
Cacnb2			Snrpd2		
Calcocol			Sod1		
Camk2n1			Sort1		
Camta1			Speg		
Cand2			Spg7		
Canx			Spint2		
Cap2			Spr		
Capn3			Stard10		
Capn7			Stard7		
Car14			Stat5a		

Card10			Stx4a			
Card6			Suc1g1			
Carf			Suc1g2			
Casd1			Syt7			
Casp1			Tars12			
Casq2			Tatdn3			
Cbfa2t3			Tbc1d16			
Cbr1			Tcf15			
Cbr2			Tfam			
Cbr4			Tfb1m			
Cbx1			Thap3			
Cbx8			Thrb			
Ccbl1			Tm2d3			
Ccbl2			Tmed4			
Ccdc117			Tmem14c			
Ccdc21			Tmem150			
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Ccdc45			Tmem186			
Ccdc46			Trip10			
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Ccdc52			Tuba8			
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Ccdc69			Ublcp1			
Ccdc72			Ubxn2a			
Ccdc75			Unc45b			
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Ccdc91			Uros			
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Ccl19			Vars2			
Ccl21a			Wdte1			
Ccl8			Yars2			
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Ccng1			Yjefn3			
Ceni			Zerb1			
Cent2			Zfp167			
Ccpg1			Zfp346			
Ccrl2			Zfp612			
Cd28			Zfp691			
Cd300lg			Zfp74			
Cd46			Zfyve21			
Cd55			Znrf1			
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Fastkd2						
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Fnip1						
Fnta						
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Traf3ip1						
Trak1						
Trap1						
Trappc2						
Trappc21						
Trappc9						
Trib2						
Trim12						
Trim32						
Trim55						
Trim63						
Trim65						
Trim68						
Trim72						
Trmt2b						
Trmt5						
Trmu						
Trnt1						
Trp53inp2						
Trpc1						
Trpc2						
Trpc3						
Trpm4						
Trpt1						
Tsc1						
Tsc2						
Tsc22d4						
Tsen34						
Tsfm						
Tsgal0ip						
Tspan12						
Tspan13						
Tspan3						

Tspan7						
Tspyl4						
Ttc12						
Ttc19						
Ttc21b						
Ttc3						
Ttc30a2						
Ttc30b						
Ttc32						
Ttc35						
Ttl11						
Ttl15						
Ttn						
Tubd1						
Tubg1						
Tufm						
Tusc4						
Twf2						
Twsg1						
Txlnb						
Txn2						
Txndc14						
Txndc15						
Txndc16						
U2af114						
Uba52						
Ube1y1						
Ube2a						
Ube2b						
Ube2d1						
Ube2e3						
Ube2l3						
Ube2r2						
Ube2v2						
Ubl4						
Ubl5						
Ubl7						
Ubr7						
Ubxn2b						
Ubxn6						
Uck11						
Uhrf2						
Ulk1						
Ulk2						
Unc84a						
Uqcc						
Uqcr						
Uqcrb						
Uqcrc1						
Uqcrc2						
Uqcrfs1						
Uqcrh						
Uqcrq						
Urod						
Use1						
Usf2						
Ushbp1						
Usmg5						
Usp11						
Usp13						
Usp15						
Usp2						
Usp21						
Usp24						
Usp46						
Uty						
V1rd20						
Vdac1						
Vdac3						

Vegfb						
Vezt						
Vit						
Vldlr						
Vmn2r111						
Vps13a						
Vps13c						
Vps13d						
Vps25						
Vps28						
Vps52						
Vps72						
Vrk2						
Vtn						
Wbp1						
Wbscr16						
Wbscr17						
Wdr18						
Wdr21						
Wdr23						
Wdr24						
Wdr35						
Wdr41						
Wdr45						
Wdr48						
Wdr53						
Wdr6						
Wdr67						
Wdr7						
Wdr92						
Wdsub1						
Wdyhv1						
Wfdc6a						
Whrn						
Wipf3						
Wnk1						
Wnk2						
Wnk4						
Wrap53						
Wrb						
Wwp1						
Xdh						
Xpo7						
Xrcc1						
Xrcc4						
Xrcc5						
Xrcc6						
Ybx1						
Yif1a						
Yipf2						
Yipf3						
Yipf7						
Ypel3						
Zbtb20						
Zbtb4						
Zc3h7b						
Zcche17						
Zdhhc1						
Zdhhc17						
Zer1						
Zfand1						
Zfand6						
Zfp106						
Zfp110						
Zfp113						
Zfp128						
Zfp148						
Zfp157						
Zfp160						

Zfp161						
Zfp180						
Zfp187						
Zfp189						
Zfp191						
Zfp219						
Zfp229						
Zfp235						
Zfp251						
Zfp260						
Zfp27						
Zfp30						
Zfp319						
Zfp329						
Zfp358						
Zfp366						
Zfp386						
Zfp422-rs1						
Zfp426						
Zfp438						
Zfp442						
Zfp46						
Zfp512						
Zfp521						
Zfp563						
Zfp58						
Zfp60						
Zfp606						
Zfp617						
Zfp62						
Zfp652						
Zfp704						
Zfp706						
Zfp715						
Zfp72						
Zfp759						
Zfp763						
Zfp768						
Zfp771						
Zfp788						
Zfp799						
Zfp82						
Zfp825						
Zfp826						
Zfp827						
Zfp839						
Zfp84						
Zfp87						
Zfpm2						
Zgpat						
Zh2c2						
Zhx2						
Zkscan3						
Zmat1						
Zmat5						
Zmym3						
Zmym6						
Zmynd11						
Zmynd15						
Zranb3						
Zrsr1						
Zswim1						
Zyg11b						
l7Rn6						
rp9						

Table S3: Putative mRNA targets for up-regulated miRNAs

2 Days Post-MI		2 Weeks Post-MI		2 Months Post-MI	
Down-regulated mRNAs	Up-regulated miRNAs	Down-regulated mRNAs	Up-regulated miRNAs	Down-regulated mRNAs	Up-regulated miRNAs
ARHGAP26 , KIAA0621	mir-106a	DKFZp564E0123 , CIAPIN1	mir-195 , mir-16 , mir-497	FAM102A	mir-19b
UNC84A , C7orf20	mir-188-5p	UXT	mir-484	TMEM86A	mir-29a , mir-29c , mir-26b , mir-29b
CREBBP	mir-582-3p	ADRB1	mir-199a-3p	INSIG1	mir-19b , mir-29a , mir-29c , mir-29b
PDZD2 , KIAA0300	mir-21	MEF2D , MEF2D variant protein	mir-505	LONRF1	mir-19b
RAD1	mir-582-3p	RPS6KA2	mir-26a , mir-26b	OS-4 , CTDSP2	mir-26b
RAB22A	mir-106a , mir-21	FLJ00380 , NFE2L1	mir-195 , mir-16 , mir-497	KIAA2035 , ZC3H6	mir-15a , mir-195 , mir-16 , mir-497
PDCD4	mir-21	SUMO3	mir-199a-3p , mir-195 , mir-16 , mir-497	THAP2	mir-26b
KIAA1536 , CALCOCO1	mir-574-5p	PDE4D , PDE4DN2	mir-26a , mir-26b	OSBPL3	mir-29a , mir-29c , mir-29b
ZDHHC1	mir-106a	CITED2	mir-199a-3p	ADAMTS7	mir-29a , mir-29c , mir-29b
MYLIP	mir-106a	JPH1	mir-21	PANK1	mir-15a , mir-195 , mir-16 , mir-497
NSUN4	mir-188-5p	NAMPT	mir-26a , mir-26b	CITED2	mir-199a-3p
USP46 , AK021861	mir-106a	CNTFR	mir-21	NAMPT	mir-26b
AL832481 , MLLT6	mir-106a , mir-296-5p	ANP32A	mir-212	KIAA0856 , DMXL2	mir-19b
EPHA7	mir-106a	TFAM	mir-199a-3p	PLP1	mir-29a , mir-29c , mir-29b
HMGB3 , DKFZp779G118	mir-106a , mir-324-5p	LYPLA2	mir-195 , mir-16 , mir-497 , mir-484	MFHAS1	mir-199a-5p , mir-26b
TMEM135	mir-324-5p	EPHA4	mir-21	IHH	mir-15a , mir-195 , mir-16 , mir-497
UNQ550 , ENPP5	mir-106a	KCNA1	mir-21	MLCK , MYLK	mir-15a , mir-195 , mir-16 , mir-497
MAGI3 , KIAA1634	mir-106a	TCF15	mir-212	LSM14B	mir-29a , mir-29c , mir-29b
CDC37L1	mir-106a	MFAP3L	mir-26a , mir-26b	MTG8 , RUNX1T1	mir-15a , mir-195 , mir-16 , mir-497
ITPKB	mir-106a	PRKAA2	mir-26a , mir-26b	TET1 , KIAA1676	mir-29a , mir-29c , mir-26b , mir-29b
PLAG1	mir-106a , mir-21	SLC9A2	mir-26a , mir-26b	PTCH1 , patched a isoform	mir-15a , mir-195 , mir-16 , mir-497
FAM102A	mir-106a	FOXO4	mir-484	SLC9A2	mir-19b , mir-26b
MED12L	mir-106a	POLR3G	mir-26a , mir-26b	SLC22A3	mir-19b
ATP11A , KIAA1021	mir-106a	SLC25A28	mir-212	DHTKD1	mir-15a , mir-29a , mir-29c , mir-195 , mir-16 , mir-497 , mir-29b
SYT7	mir-106a	TNS1 , MST091	mir-21	RIT1	mir-29a , mir-29c , mir-29b
USP24	mir-106a	ASF1A	mir-21	ARHGEF3	mir-199a-3p
RPS6KA2	mir-106a	TRIP10 , STP	mir-195 , mir-16 , mir-497	MKL2	mir-199a-5p , mir-19b
NTN4	mir-106a	GIT1	mir-195 , mir-16 , mir-497 , mir-484	PDE4A	mir-19b
ZFP161	mir-106a	C10orf2 , PEO1	mir-484	SMARCD1	mir-199a-5p
THRB	mir-106a , mir-21	ARL2	mir-195 , mir-16 , mir-497	DKFZp564O1278 , SLITRK6	mir-15a , mir-195 , mir-16 , mir-497
FKTN	mir-582-3p	KIAA1171 , TBC1D24	mir-484	CXCL12	mir-19b
MIRK , DYRK1B	mir-296-5p	DKFZp586A1021 , MKNK2	mir-26a , mir-26b	KCNJ2	mir-19b , mir-15a , mir-195 , mir-16 , mir-497 , mir-26b
KLF12	mir-106a , mir-21	HK2	mir-484	MAP2K6 , DKFZp686N0154	mir-29a , mir-29c , mir-29b
RRAGD	mir-106a	JKTBP , HNRPDL	mir-505	TST	mir-199a-5p
RMND5A	mir-21	SORT1	mir-195 , mir-16 , mir-497	CD200 , MOX2	mir-26b
ITFG1	mir-106a	ESRRG	mir-212 , mir-195 , mir-16 , mir-497	CELSR2	mir-199a-3p

PFN2	mir-106a	RET	mir-195 , mir-16 , mir-497	RNF122	mir-29a , mir-29c , mir-29b
LRP6	mir-296-5p , mir-21	SOX2	mir-21	SLC20A2	mir-15a , mir-199a-3p , mir-195 , mir-16 , mir-497
KIAA0843 , ABLIM3	mir-188-5p	MEIS1	mir-505 , mir-212 , mir-21	bim-alpha1 , BCL2L11	mir-19b
NTN1	mir-106a , mir-296-5p	GIGYF1	mir-212 , mir-195 , mir-16 , mir-497 , mir-484	RARB	mir-15a , mir-29a , mir-29c , mir-195 , mir-16 , mir-497 , mir-29b
RGMB	mir-106a	AK3L1	mir-195 , mir-16 , mir-497	PDE11A	mir-199a-3p
MAP1LC3A	mir-423-5p	THRB	mir-199a-3p , mir-21	GK5	mir-29a , mir-29c , mir-29b
COX7A2L	mir-106a	MMAB	mir-199a-3p	CDH4	mir-26b
PPP1R9A	mir-582-3p	SLC20A2	mir-199a-3p , mir-195 , mir-16 , mir-497 , mir-484	SCN4B	mir-19b , mir-15a , mir-195 , mir-16 , mir-497
TMEM64	mir-106a	VAMP8	mir-195 , mir-16 , mir-497	NRN1	mir-15a , mir-195 , mir-16 , mir-497
ATP1A2 , KIAA0778	mir-106a	MAP3K4 , MTK1	mir-199a-3p , mir-195 , mir-16 , mir-497	BMPER	mir-19b
SOBP	mir-106a	RARB	mir-195 , mir-16 , mir-497	LPHN1	mir-15a , mir-195 , mir-16 , mir-497 , mir-26b
COQ2	mir-106a	PDE11A	mir-199a-3p	MDM4 , MDMX	mir-19b
VDAC1	mir-324-5p	ESRRA	mir-195 , mir-16 , mir-497	EIF2C4	mir-15a , mir-195 , mir-16 , mir-497
ST3GAL3 , ST3GalIII	mir-188-5p	TMEM170B	mir-199a-3p , mir-195 , mir-16 , mir-497	CNN1	mir-199a-5p , mir-15a , mir-195 , mir-16 , mir-497
FASTK , DKFZp667F1810	mir-106a	EGLN2	mir-195 , mir-16 , mir-497	FBXO10	mir-15a , mir-195 , mir-16 , mir-497
DKFZp781J13156 , KIAA1756 , RP3- 398G3.1 , SYNE1	mir-106a	MTX2	mir-26a , mir-26b	ZBTB44	mir-15a , mir-195 , mir-16 , mir-497
CTDSP1	mir-296-5p	nifS , NFS1	mir-195 , mir-16 , mir-497	NLGN3	mir-29a , mir-29c , mir-29b
CUGBP2 , NAPOR-1	mir-106a	LLGL2	mir-199a-3p	UNQ271 , BCAR3	mir-199a-3p
PTPN3	mir-106a	RGS7BP	mir-212 , mir-21	WNT5A	mir-26b
PACE4C , PCSK6	mir-21	SLC1A1	mir-26a , mir-26b		
P2RX4	mir-106a	WDTC1 , KIAA1037	mir-195 , mir-16 , mir-497		
HDDC3	mir-423-5p	SCN4B	mir-195 , mir-16 , mir-497		
FOXN3	mir-582-3p , mir-574- 5p	BCL7A	mir-195 , mir-16 , mir-497 , mir-21		
PCMTD1	mir-106a	CYP26B1	mir-195 , mir-16 , mir-497		
PALLD	mir-106a	PPP1R12B , MYPT2	mir-195 , mir-16 , mir-497		
DKFZp451C023 , SRL	mir-21	CPEB3	mir-26a , mir-195 , mir-16 , mir-497 , mir-26b , mir-21		
TBX3	mir-106a	AGPAT3	mir-195 , mir-16 , mir-497		
RBPJ	mir-21	UNG	mir-195 , mir-16 , mir-497		
PKIA	mir-423-5p	FKBP2	mir-212		
CROT	mir-106a	GC1 , SLC25A22	mir-195 , mir-16 , mir-497		
ALS2CR17 , NBEAL1	mir-106a	SNCG	mir-195 , mir-16 , mir-497		
POLL	mir-296-5p	ARL3	mir-195 , mir-16 , mir-497		
SNX16	mir-106a				
FRS2	mir-106a				
KIAA1664 , OSBP2	mir-423-5p				
ULK1	mir-106a				
MSH2	mir-21				

MGEA5 , KIAA0679	mir-106a				
CCND2	mir-106a				
RARB	mir-106a				
RREB1 , Zep-1	mir-582-3p				
LPGAT1	mir-106a				
CGEF2 , RAPGEF4	mir-106a				
VLDLR	mir-106a				
NFIB	mir-106a , mir-21				
MATN2	mir-21				
ZBTB4	mir-106a				
THRA	mir-106a				
NTF3	mir-21				
FOXJ2	mir-106a				
LMBR1 , DIF14 , DKFZp547F222	mir-21				
PLSCR4	mir-106a				
TSPAN3 , TSPAN-3	mir-423-5p				
SLC41A1	mir-106a				
LANCL1	mir-21				
RPS6KA5 , MSK1	mir-106a				
RBL2 , DKFZp781K2028	mir-106a				
SLC25A36	mir-106a				
ZYG11B	mir-21				
HBP1	mir-106a				
GNB5	mir-106a				
ERBB3 , c-erbB-3	mir-106a				
SLC40A1 , MST079	mir-106a				
ADAMTS5	mir-106a				
SNX21 , C20orf161	mir-106a				
RGMA , DKFZp434D0727	mir-106a				
MTERFD2	mir-106a				
DKFZp762B153 , MAP1LC3B	mir-188-5p				
F3	mir-106a				
FYCO1	mir-106a				
CNNM3	mir-106a				
LAPTM4A	mir-106a				
SRPK2	mir-106a				
KIAA1506 , DKFZp434D2011 , MLL3	mir-188-5p , mir-106a				
ADAMTS10	mir-296-5p				
SH3GLB2	mir-574-5p				
STK11	mir-106a				
FRMD5	mir-188-5p				
ADRA1B	mir-106a				
SNED1 , AL833363 , FLJ00133	mir-423-5p				
SLC46A3	mir-106a				
CTSA	mir-106a				
GUCY1A3	mir-106a				
MRAS	mir-423-5p				
UBXN2A	mir-106a				
ACVR2A	mir-21				
FBXW7	mir-188-5p				
GJA1	mir-582-3p				
ATXN1	mir-188-5p , mir-106a				
ZNRF1	mir-423-5p				
CAMK2N1 , CaMKIINalpha	mir-106a				
SAMD12	mir-106a				
ABCA1	mir-106a				
KDELC2	mir-574-5p				
HDAC9 , KIAA0744	mir-188-5p				
CENPQ	mir-106a				
ELF2	mir-21				
RGS7BP	mir-21				
RAD51L3 , RFFL	mir-21				

ARHGAP24	mir-21				
BC140093 , KIAA1031 , ZC3H7B	mir-106a , mir-296-5p , mir-324-5p				
NT5C3	mir-574-5p				
PHF1	mir-106a				
TMEM25	mir-106a				
TPPP	mir-188-5p , mir-106a				
RAB12	mir-106a				
TM7SF1 , GPR137B	mir-106a				
GAB1	mir-106a				
MEF2C	mir-551b				
KIAA0388 , EZH1	mir-106a				
WNK1 , KIAA0344	mir-106a				
MST023 , KIAA0833 , CAMTA1	mir-106a				
RHOB	mir-21				
VPS13C	mir-106a				
XDH	mir-582-3p				
CR604521 , EGLN1	mir-106a				
WDTC1 , KIAA1037	mir-296-5p				
CREBL2	mir-21				
ERBB4	mir-551b				
UBR7	mir-188-5p				
TNRC6B	mir-106a , mir-21 , mir-423-5p				
PHTF2	mir-106a				
IQSEC1	mir-106a				
DKFZp434D2111 , WWP1	mir-21				
BCL7A	mir-21				
RAPGEF2	mir-106a				
USF2	mir-423-5p				
FBW1A , BTRC	mir-582-3p				
UQCRB	mir-21				
EPHA4	mir-106a , mir-21				
NRN1	mir-574-5p				
ATPAF1	mir-21				
ETV1	mir-106a				
LACE1	mir-106a				
IDH1	mir-574-5p				
PRELP	mir-296-5p				
MFAP3L	mir-106a				
TET1 , KIAA1676	mir-188-5p , mir-106a , mir-21				
TBC1D17	mir-106a				
PAFAH2	mir-106a				
RTN2	mir-296-5p				
EFEMP1	mir-574-5p				
ANKRD29	mir-106a				
PPP1R12B , MYPT2	mir-106a				
DKFZp434L0130 , ARHGAP12	mir-106a				
RAD23A	mir-423-5p				
LPHN1	mir-551b				
TIMP2	mir-106a				
ARL5B	mir-188-5p				
CPEB3	mir-106a , mir-21				
CEP97	mir-106a				
FBXO31	mir-106a				
FOXO4	mir-574-5p				
PPARA	mir-106a , mir-21				
C21orf4 , TMEM50B	mir-188-5p , mir-106a				
FAT4	mir-106a				
DKFZp761O0610 , CLIP4	mir-106a				
SLC22A3	mir-188-5p				
ZHX2	mir-106a				
EIF2C4	mir-21				
HLF	mir-106a				
BAMBI	mir-106a				

B3GALT2	mir-106a				
PTPRD	mir-106a , mir-324-5p				
SLC25A27	mir-106a				
PRKCE	mir-21				
MPDZ variant protein , MPDZ	mir-106a				
SLC16A9	mir-106a				
ASF1A	mir-21				
ATG2A	mir-106a				
DKFZp434P2350 , CDH23 , KIAA1774 , KIAA1812	mir-296-5p				
PLCB1	mir-106a				
FBXO10	mir-106a				
PCDH19	mir-324-5p				
MAP3K5	mir-582-3p , mir-106a				
CABLES1	mir-106a				
SLC2A4	mir-106a , mir-423-5p				
TRIP10 , STP	mir-106a				
IRX4	mir-574-5p				
MRPL49	mir-21				
NBEA , KIAA1544	mir-188-5p , mir-106a , mir-574-5p , mir-21				
SCRN1	mir-21				
CDC23	mir-106a				
H2AFV	mir-582-3p				
CCNT2	mir-188-5p				
ZBTB44	mir-106a				
POLQ	mir-106a				
ARHGEF3	mir-106a				
ST6GalNAc VI , ST6GALNAC6	mir-106a				
FOXO3	mir-582-3p , mir-574-5p				
tgr , MAT2B	mir-106a				
TEF	mir-423-5p				
SAR1B	mir-106a				
FBXO21	mir-106a				
JARID2	mir-188-5p				
SLC17A7 , BNPI	mir-106a				
ANKRD12 , KIAA0874	mir-188-5p , mir-106a				
FAM40B	mir-106a				
AK1	mir-423-5p				
TRMT5	mir-21				
SLICK , KCNT2	mir-582-3p				
A2BP1	mir-582-3p				
BRMS1L	mir-106a				
FNIP1	mir-188-5p				
IL17RD	mir-106a				
PDE4A	mir-188-5p				
DNAJA2	mir-21				
CHCHD8	mir-188-5p				
GMPR	mir-296-5p				
ZSWIM1	mir-574-5p				
AJ420489 , OSTM1	mir-106a				
LIFR	mir-21				
ESRRG	mir-324-5p				
PRRG1 , PRGP1	mir-106a				
ZFPM2	mir-106a				
MFN2	mir-106a				
LRRC57	mir-21				

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Table S4: Putative mRNA targets for down-regulated miRNAs

2 Days Post-MI		2 Weeks Post-MI		2 Months Post-MI	
Up-regulated mRNAs	Down-regulated miRNAs	Up-regulated mRNAs	Down-regulated miRNAs	Up-regulated mRNAs	Down-regulated miRNAs
ACTG1	mir-10a	ACTG1	mir-10a	TNIP1 , NAF1	mir-760
MYH10 , MYH10 variant protein	mir-208a , mir-181c , mir-27a , mir-876-3p , mir-27b , mir-181b , mir-421	MYH10 , MYH10 variant protein	mir-208a , mir-323-5p	SHISA4	mir-150
FAM46C	mir-181c , mir-181b	RAD23B	mir-188-5p	PTPN9	mir-329 , mir-760
SLC35E4	mir-22	RHBDF1	mir-323-5p	DBN1 , DKFZp434D064	mir-615-5p
EEF2K	let-7g , let-7f	DNM2	mir-130b	NUMBL	mir-329
ATP13A3	mir-376b	VGLL3	mir-130b	SLC7A6	mir-760
RAD23B	mir-181c , mir-181b	HNRNPF	mir-29c	PTPN1	mir-329
SNX1	let-7g , let-7f , mir-421	ITGA6	mir-29c	JUNB	mir-744
NRAS	let-7g , let-7f	KCTD17	mir-10a	FBN1	mir-329
HNRNPF	mir-27a , mir-27b	RAPH1	mir-29c	PRKCA	mir-329 , mir-760
EPHA2	mir-10a	HIP1	mir-29c	ATP8A2	mir-150
MED14 , EXLM1	mir-27a , mir-27b	HCN1	mir-10a	GRK5	mir-760
KCTD17	let-7g , let-7f , mir-10a	DKFZp564B0982 , CEP170	mir-130b	MMP2	mir-760
HIP1	mir-27a , mir-27b	BACE , BACE1	mir-29c	DAGLA	mir-760
LIM , PDLIM5	mir-27a , mir-876-3p , mir-27b	FZD8	mir-208a	AKAP2	mir-329
GALNTL1	mir-181c , mir-181b	MGAT4A	mir-29c	PRKARIA	mir-150
DCUN1D3	let-7g , let-7f	NID1	mir-29c	FREM2 , DKFZp686L06109	mir-760
elys , AHCTF1	let-7g , let-7f	PRNP	mir-130b	AKAP2 , KIAA0920 , PALM2-AKAP2	mir-329
MMP14	mir-181c , mir-181b	HSPDE1A , PDE1A	mir-149	UBTD2	mir-760
CNN3	mir-27a , mir-27b	P4HB , OK/SW-cl.24	mir-188-5p	KCTD11	mir-329
PTPN9	mir-22 , mir-181c , mir-181b	EIF5	mir-208a , mir-149	SEMA4C	mir-615-5p
GJC1	let-7g , let-7f , mir-409-3p , mir-421	RYBP	mir-29c	TGFB1	mir-744
MGAT4A	let-7g , let-7f	RBMS3	mir-378	AX746869 , SAMD4B	mir-760
PICALM variant protein , PICALM	mir-181c , mir-181b , mir-421	TRAM2	mir-29c		
GLRX	let-7g , let-7f	USP31 , KIAA1203	mir-29c		
PLS3	mir-421	BAIAP2	mir-29c		
HSPDE1A , PDE1A	mir-149	PLSCR3	mir-29c		
EIF5	mir-208a , mir-149 , mir-27a , mir-27b	S1PR1	mir-130b		
PI4K2B	mir-181c , mir-181b	KCTD5	mir-29c		
TNS3	mir-181c , mir-181b	PAG1	mir-29c		
USP31 , KIAA1203	mir-27a , mir-27b	TARDBP	mir-130b		
BAIAP2	mir-181c , mir-181b	PTPRJ	mir-130b		
USP7	mir-421	CHMP4B	mir-130b		
SLC2A1	mir-22	PTPN1	mir-29c		
S1PR1	mir-181c , mir-409-3p , mir-181b	CPNE8	mir-188-5p		
PAG1	let-7g , let-7f	ARHGEF12	mir-130b		
TARDBP	mir-181c , mir-27a , mir-27b , mir-181b	FBN1	mir-29c		
SENP5	let-7g , let-7f	SLC43A2	mir-29c		
PTPRJ	mir-27a , mir-27b	INO80	mir-130b		
DNAJB9	let-7g , let-7f , mir-27a , mir-27b	UBE2I	mir-188-5p , mir-10a		
UBE2J1	mir-181c , mir-181b	VASH1	mir-149 , mir-29c		
DOCK7 , KIAA1771	mir-181c , mir-181b	TRPS1	mir-323-5p , mir-130b		
SLC35D2 , hfrc	let-7g , let-7f	SNX4	mir-29c , mir-10a		
SSH1	let-7g , let-7f	RNF41	mir-149 , mir-130b		
INO80	mir-181c , mir-181b	DKFZp686I1750 , SASH1	mir-130b		
UBE2I	mir-10a	DSEL	mir-130b		
VASH1	mir-22 , mir-149	SPRY4	mir-29c		

AF116693 , SLC25A37 , HT015	mir-181c , mir-181b	HNRNPA1 , HNRPA1	mir-149		
PAK6	mir-27a , mir-27b	GAS7	mir-29c		
SNX4	mir-10a	ZDHHC2	mir-130b		
RNF41	mir-149	MMP2	mir-29c		
FOSB	mir-27a , mir-27b	ELL2	mir-29c		
H3F3B	mir-22 , mir-208a , mir-27a , mir-409-3p , mir-27b , mir-10a	RAP1B , LOC643752	mir-149		
NFKBIZ	mir-376b	MED15 , PCQAP	mir-130b		
SPRY4	mir-181c , mir-181b	DCLRE1B	mir-149		
HNRNPA1 , HNRPA1	mir-149 , mir-421	COL5A1	mir-29c		
OLR1 , BC055085	let-7g , let-7f	COL4A1	mir-29c		
GAS7	let-7g , let-7f , mir- 181c , mir-181b , mir- 421	CMPK1	mir-29c , mir-130b		
KIAA1108 , TBC1D1	mir-181c , mir-181b	LRRC8A	mir-208a		
B4GALT1	mir-181c , mir-181b	CBL	mir-378		
TMEM165	mir-181c , mir-181b	CHST1	mir-130b		
THBS1	let-7g , let-7f	KIAA1218 , ATXN7L1	mir-130b		
LRRC8D	mir-181c , mir-181b	E2F7	mir-29c , mir-130b , mir-10a		
CACNA1D	let-7g , let-7f	NAV3	mir-29c		
ELL2	mir-27a , mir-27b	AGPAT4 , LPAAT- delta	mir-29c		
RDH10	let-7g , let-7f	HMCN1 , FIBL-6	mir-29c		
RAP1B , LOC643752	mir-149 , mir-181c , mir-27a , mir-27b , mir-181b	CDC42	mir-29c		
ADRB2	let-7g , let-7f	GOLT1B , DKFZp761G2423	mir-130b		
PCTK3	mir-27a , mir-27b	ADAMTS10	mir-29c		
CDV3	let-7g , let-7f	CCT6A	mir-130b		
HNRNPA3	mir-22	LAMC2	mir-29c		
DCLRE1B	mir-149	MTMR9	mir-149 , mir-130b		
COL4A1	let-7g , let-7f	LASP1	mir-29c		
DOCK4 , KIAA0716	mir-181c , mir-181b	PRR3	mir-29c		
LRRC8A	mir-208a	CALM1 , CALM3	mir-29c		
ATF3	mir-27a , mir-27b	TAPT1	mir-323-5p		
CBL	let-7g , mir-22 , let-7f , mir-421	FAM105B	mir-29c		
SERP1	mir-27a , mir-27b	YWHAZ	mir-149 , mir-188-5p		
LASS6	mir-27a , mir-27b	TCF12 , DKFZp451F163	mir-208a		
TRIOBP	let-7g , let-7f	COL11A1	mir-29c		
CHST1	mir-27a , mir-27b	CHIC2	mir-29c		
EFHD2	let-7g , let-7f	TBETARI , TGFBR1	mir-208a , mir-130b		
E2F7	mir-181c , mir-27a , mir-27b , mir-181b , mir-10a	Mad4 , MXD4	mir-323-5p		
PXN	mir-27a , mir-27b	FMR1	mir-130b		
KLF6	mir-181c , mir-181b	TMEM39A	mir-188-5p		
APAF1	mir-27a , mir-27b	ENDOD1	mir-130b		
DDX19B	let-7g , let-7f	CASP7	mir-29c		
SLC30A7 , BX648884	let-7g , let-7f	ZMIZ1	mir-29c		
AIDA , DKFZp666C185	mir-27a , mir-27b	PVRL1	mir-149 , mir-29c		
CDC42	mir-27a , mir-27b , mir-421	ACACA	mir-29c		
GOLT1B , DKFZp761G2423	let-7g , let-7f	MLLT11	mir-29c		
CYP1B1	mir-27a , mir-27b	HSPA8 , HSC54	mir-130b		
YTHDF2	mir-181c , mir-181b , mir-421	GNG12	mir-29c		
MTMR9	mir-149 , mir-181c , mir-181b	DKFZp686D23123 , COL6A3	mir-29c , mir-130b		
PRR3	mir-27a , mir-27b	FOXN2	mir-188-5p		

LASP1	mir-27a , mir-27b	TAF4B	mir-130b		
PPP1R2	mir-181c , mir-181b	CPT1A	mir-188-5p		
CALM1 , CALM3	mir-22 , mir-27a , mir-27b	EVI5	mir-188-5p		
DUSP5	mir-181c , mir-27a , mir-27b , mir-181b	NCDN	mir-149		
KIAA1734 , UBE2O	mir-22 , mir-421	ITPR1 , Insp3ri	mir-130b		
SLC30A4	let-7g , let-7f	CNOT6	mir-29c , mir-130b , mir-10a		
TAPT1	mir-27a , mir-876-3p , mir-27b	ATP6V1A	mir-29c		
FAM105B	mir-27a , mir-27b	PRKD3	mir-130b		
MDF1	let-7g , let-7f , mir- 27a , mir-27b	TDG	mir-29c		
UFM1	let-7g , let-7f	UTP18	mir-208a		
PHACTR4	mir-149 , mir-181c , mir-181b	RNF169	mir-29c		
UAP1	mir-27a , mir-27b	NID2	mir-29c		
YWHAZ	mir-22 , mir-149	DIO2	mir-29c		
TCF12 , DKFZp451F163	mir-208a	ETS1	mir-208a		
PDIA5	mir-27a , mir-27b	SRPX2	mir-149		
PHLDA1	mir-181c , mir-876-3p , mir-181b	ARHGAP1	mir-130b		
CAP1	let-7g , let-7f	MTMR12	mir-130b		
MUTED	let-7g , let-7f , mir- 27a , mir-27b	PXDN	mir-29c , mir-130b		
SOCS3	mir-181c , mir-181b	ATXN7L3	mir-188-5p		
SURF4	let-7g , let-7f , mir- 27a , mir-27b	CCDC6	mir-149 , mir-188-5p , mir-130b		
GCLM	mir-10a	AKT3 , BC019085	mir-29c		
TBETAR1 , TGFBR1	let-7g , mir-22 , mir- 208a , let-7f , mir- 181c , mir-376b , mir- 27a , mir-27b , mir- 181b	KIAA0517 , TRIM2	mir-130b , mir-10a		
FMR1	mir-181c , mir-181b	PPP1R15B	mir-29c , mir-130b		
ATP8B4 , KIAA1939	let-7g , let-7f	DLG5 , KIAA0583	mir-188-5p , mir- 130b		
BM009 , FAM49B	mir-22	POLE3	mir-29c		
ARRB1	mir-22	GMFB	mir-29c , mir-130b		
ZMIZ1	mir-409-3p	PLEKHA1	mir-29c		
SYNJ1	mir-27a , mir-27b	KIF26B	mir-29c		
CDR2L	mir-27a , mir-27b	CDCA4	mir-208a , mir-29c		
PVRL1	mir-149	GNB4	mir-29c		
NUP153	mir-27a , mir-27b	PLEKHG2	mir-378		
ACACA	mir-421	MIB1	mir-29c , mir-130b		
ARF6	mir-181c , mir-27a , mir-27b , mir-181b	NUS1	mir-130b		
LPP	mir-22 , mir-181c , mir-181b	MDFIC , BC040713	mir-130b		
GNG12	mir-27a , mir-27b	COL4A2	mir-29c		
EIF2S2	let-7g , let-7f , mir- 27a , mir-27b , mir- 421	PFTK1 , KIAA0834	mir-208a		
HMGCR	mir-27a , mir-27b	MANBAL	mir-149		
PIP5K1A	mir-409-3p	MTMR6	mir-130b		
EVI5	mir-27a , mir-27b	CEP55	mir-130b		
MBLL , MBNL2	mir-181c , mir-181b	SMAP1	mir-10a		
NCDN	mir-149	RRP15	mir-149		
HTT	mir-27a , mir-27b	NKRF	mir-29c		
CNOT6	mir-10a	TNFAIP1	mir-29c		
ATP6V1A	mir-27a , mir-27b	MOBKL1A	mir-29c		
CCND1	let-7g , let-7f	FNDC3A , KIAA0970	mir-208a		
UTP18	mir-208a	SGTB	mir-130b		
PALM2	mir-181c , mir-27a , mir-409-3p , mir-27b , mir-181b , mir-10a	DLG2	mir-29c , mir-130b		
RNF169	mir-181c , mir-181b	PRDX6	mir-149		

NID2	let-7g , let-7f	ADAMTS6	mir-29c		
TRIB1	let-7g , let-7f	CR618817 , SNTB2	mir-149 , mir-29c		
TMSB10	mir-27a , mir-27b	RRPIB	mir-378		
FAM160A2	mir-181c , mir-181b	NDST1	mir-149 , mir-29c		
SNAI1	mir-22 , mir-27a , mir-27b	PCTK2	mir-149		
EIF5A2	mir-27a , mir-27b	MAPRE1	mir-29c , mir-10a		
MTMR12	let-7g , let-7f , mir-181c , mir-181b	PTPRD	mir-29c , mir-130b		
ARID3A	let-7g , let-7f	NOTCH2 , N2 , NOTCH2NL	mir-29c		
PXDN	let-7g , let-7f	TGFBR2 , Tbeta RIIC	mir-130b		
CCDC6	mir-149 , mir-181c , mir-181b	SNX18	mir-149		
MAPK6	let-7g , let-7f	ROCK2	mir-130b		
BC017787 , IPO7	mir-22	hNp95 , UHRF1	mir-188-5p		
PPP1R15B	let-7g , mir-22 , let-7f	COL4A4	mir-29c		
ABL2	let-7g , let-7f , mir-181c , mir-27a , mir-27b , mir-181b	ARIH2 , Ari2	mir-10a		
RAN	mir-181c , mir-181b	AFF4	mir-29c		
KIAA0308 , CHD9	mir-22 , mir-208a , mir-181c , mir-376b , mir-181b	PURB	mir-208a , mir-149 , mir-378 , mir-10a		
IGnT2 , GCNT2	mir-181c , mir-181b , mir-421	RAB5C	mir-208a		
GMFB	mir-181c , mir-181b	MAP2K4	mir-188-5p , mir-29c		
DPYSL3	let-7g , let-7f	CAST	mir-130b		
CDCA4	mir-208a	EGR3	mir-130b		
LRRC32	mir-181c , mir-181b	FBXW9	mir-29c		
RGS16	let-7g , let-7f	CLCP1 , DCBLD2	mir-130b		
WSB1	mir-181c , mir-27a , mir-27b , mir-181b	GRB10	mir-130b		
MIB1	let-7g , let-7f	TNPO1	mir-130b		
NUS1	mir-181c , mir-181b	SMRTE , NCOR2	mir-29c , mir-10a		
AFF1	mir-181c , mir-181b	CCND3	mir-130b		
PAK1	let-7g , let-7f	FREM2 , DKFZp686L06109	mir-29c		
UTP15	let-7g , let-7f	CNOT6L	mir-130b		
COL4A2	let-7g , let-7f	EDN1	mir-130b		
FAR1	mir-421	KIAA0928 , DKFZp434A0427 , DICER1	mir-29c , mir-130b		
BTG2	let-7g , let-7f , mir-27a , mir-27b , mir-421	FEM1C	mir-208a		
MANBAL	mir-149	SLC38A1	mir-378		
ITGA2	mir-27a , mir-27b	STX12	mir-130b		
SMAP1	mir-10a	NUP50	mir-10a		
RRP15	mir-149 , mir-421	CLTC	mir-149 , mir-130b		
GATAD2A , DKFZp547D147	mir-10a	ABCE1	mir-29c , mir-130b		
TNFAIP1	mir-181c , mir-181b	PIK3C2A	mir-130b		
KIAA0669 , TSC22D2	let-7g , let-7f , mir-181c , mir-27a , mir-27b , mir-181b	RAB34	mir-130b		
MOBK1A	mir-27a , mir-27b	MET	mir-130b		
GOSR2	mir-409-3p	ABI1	mir-208a		
SIMPLE , LITAF	mir-27a , mir-27b	MAP3K3	mir-188-5p		
GFOD1	mir-27a , mir-27b	COL5A2	mir-323-5p , mir-29c		
FNDC3A , KIAA0970	let-7g , mir-208a , let-7f , mir-181c , mir-27a , mir-27b , mir-181b	WIPF1	mir-149		
TCERG1	mir-181c , mir-181b	ERBB2IP	mir-130b		
SGTB	mir-181c , mir-181b	PTGIS	mir-149		
ADAT2	mir-22	ARC20 , ARPC4	mir-149		
PGRMC1	let-7g , let-7f	FAM167A	mir-149 , mir-29c		
PRDX6	mir-149	PTP4A1	mir-29c , mir-130b		
ADAMTS6	let-7g , let-7f , mir-	USP6NL	mir-29c		

	181c , mir-27a , mir-27b , mir-181b				
MTMR2	mir-22	LOC647099 , RPL23A	mir-378		
RRP1B	let-7g , let-7f	BAK , BAK1	mir-29c		
NDST1	mir-149 , mir-376b	robo1 , ROBO1	mir-29c		
RBM47	mir-181c , mir-181b	ARRDC4	mir-29c		
PLK2	mir-27a , mir-27b	AMMECR1L	mir-29c		
MASP1	let-7g , let-7f	DKFZp313C2412 , OBFC2A	mir-130b		
MAPRE1	mir-10a	ETV4	mir-29c		
PCTK2	mir-149	MYST2	mir-149		
NOTCH2 , N2 , NOTCH2NL	mir-181c , mir-181b	E2F3	mir-10a		
EVII	mir-22	TRPC6	mir-29c		
FKBP12-Exip2 , FKBP1A , FKBP12-Exip3	mir-181c , mir-181b	PTX3	mir-29c		
SNX18	mir-22 , mir-149 , mir-27a , mir-27b	PRPF40A , HYPA	mir-29c		
hNp95 , UHRF1	let-7g , let-7f	OXSRI , OSR1	mir-149		
ARIH2 , Ari2	mir-10a	DKFZp586D0624 , LDLRAP1	mir-29c		
AFF4	mir-27a , mir-27b , mir-421	FMNL3	mir-130b		
PURB	mir-22 , mir-181c , mir-10a , let-7g , let-7f , mir-149 , mir-208a , mir-181b	COL4A3	mir-208a , mir-29c		
MAP2K4	mir-22 , mir-27a , mir-409-3p , mir-27b	MARCKSL1	mir-149		
RAB5C	mir-208a	LAMA2	mir-29c		
AMOTL1	mir-27a , mir-27b	STEERIN2 , KIAA1419 , NAV2	mir-208a , mir-149 , mir-29c , mir-130b		
HBEGF	mir-27a , mir-27b	FSTL1	mir-29c		
KLHL6	let-7g , let-7f	SPIRE1	mir-130b		
EGR3	let-7g , let-7f , mir-181c , mir-27a , mir-409-3p , mir-27b , mir-181b	MAPK1IP1L	mir-378		
KIAA1416 , CHD7	mir-22 , mir-181c , mir-27a , mir-421 , let-7g , let-7f , mir-27b , mir-181b	SNX24	mir-29c		
PLAU	mir-181c , mir-181b	DKFZp434L1215 , UXS1	mir-130b		
CLCP1 , DCBLD2	mir-181c , mir-181b	KIAA1174 , LMBR1L	mir-149		
SMRTE , NCOR2	mir-10a	HMG3	mir-29c		
AKIRIN1	mir-27a , mir-27b	NRP2	mir-149		
ATP8B1	mir-181c , mir-181b	SPARC	mir-29c		
FURIN	mir-22	SGK1	mir-29c		
EDN1	let-7g , let-7f	GLT8D3	mir-208a		
OSBPL10	mir-27a , mir-27b	LUZP1	mir-29c		
SRGAP3 , KIAA0411	let-7g , let-7f , mir-376b , mir-27a , mir-27b	CAMSAP1L1	mir-130b		
KIAA0928 , DKFZp434A0427 , DICER1	let-7g , let-7f	CLCN5	mir-149 , mir-323-5p , mir-29c , mir-130b , mir-10a		
FEM1C	mir-208a	XPNPEP1	mir-29c		
SRI	mir-409-3p , mir-421	FLJ00147 , USP47	mir-188-5p , mir-130b		
PTPRE	mir-181c , mir-181b	PRKAA1	mir-130b		
SLC38A1	mir-409-3p	DKFZp434I0916 , SULF1 , KIAA1077	mir-378 , mir-130b		
NUP50	mir-10a	MFAP2	mir-29c		
CLTC	mir-149	CCND2	mir-29c		
ACTN4	mir-876-3p	CAV2	mir-29c , mir-130b		
CXCL3	mir-409-3p	PMP22	mir-29c		
DDIT4	mir-22 , mir-181c ,	WHSC1	mir-188-5p		

	mir-181b			
CAPZA1	mir-421	CD72	mir-149	
BCR variant protein , BCR-ABL , BCR	mir-10a	SEL-OB , SVEP1	mir-29c	
SLC2A3	mir-181c , mir-181b	IGSF1	mir-10a	
LIN7C	mir-22 , mir-181c , mir-27a , mir-409-3p , mir-27b , mir-181b	KIT	mir-130b	
PPAP2B	mir-181c , mir-27a , mir-409-3p , mir-27b , mir-181b	GAB2	mir-149 , mir-29c	
PII5	mir-376b	EML4	mir-208a , mir-29c	
GFPT2	mir-27a , mir-27b	PHF20 , HCA58 , AX746620	mir-130b	
TOMM20	mir-421	DGCR8	mir-149	
CHD1	mir-181c , mir-181b	ZDHHC9	mir-378	
PAR6B	let-7g , let-7f , mir- 376b , mir-27a , mir- 27b	MYO1D	mir-130b	
MET	mir-27a , mir-27b	PPIA	mir-323-5p	
ABI1	mir-208a , mir-181c , mir-181b	FEM1B	mir-29c	
SCYL3	let-7g , let-7f	TORC2 , CRTC2	mir-149	
RARA	mir-27a , mir-27b	SMOC1	mir-130b	
WIPF1	mir-149	ACBD3	mir-130b	
ATP8B2	mir-181c , mir-181b	MEX3D	mir-130b	
ZC3H12A	mir-421	NR2C2	mir-10a	
PTGIS	mir-149	CHSY1	mir-29c	
Rabex5 , RABGEF1	mir-181c , mir-181b	EHD2	mir-29c	
ARC20 , ARPC4	mir-149	ape , CCDC88A , KIAA1212	mir-29c	
FAM167A	mir-149	ELOVL6	mir-188-5p	
AMOT	mir-22	EPS15	mir-29c , mir-130b	
IKBKE , IKK-i	let-7g , let-7f	SHROOM2	mir-149 , mir-29c	
CCNYL1	mir-27a , mir-27b	TSPAN4	mir-29c	
SEMA7A	mir-27a , mir-27b	TMEM183B , TMEM183A , CR591805	mir-29c , mir-10a	
USP6NL	mir-181c , mir-181b	VCL	mir-29c	
BAK , BAK1	mir-27a , mir-409-3p , mir-27b	ROD1	mir-29c	
RNMT	mir-181c , mir-181b	SMG1 , KIAA0421	mir-188-5p	
AHNAK	mir-181c , mir-181b	GLIS3 , OK/KNS-cl.4	mir-29c	
SCN5A , Nav1.5	let-7g , let-7f	SH3D19	mir-130b	
SEMA6D	mir-27a , mir-27b	MIP2 , WDR26	mir-29c	
SRGAP1	mir-181c , mir-181b	TRIB2	mir-29c	
RAPGEF1	mir-22	SPTY2D1	mir-29c , mir-130b , mir-10a	
ERO1-L , ERO1L	let-7g , let-7f	TOMM70A	mir-188-5p	
ARRDC4	let-7g , let-7f , mir- 27a , mir-27b	TBL1XR1 , TBLR1	mir-378 , mir-130b	
GALE	let-7g , let-7f	FLRT2	mir-10a	
BCAT1	let-7g , let-7f	MIER1	mir-130b	
GRK6	mir-27a , mir-27b	VPS37B	mir-130b	
DKFZp313C2412 , OBFC2A	mir-376b , mir-27a , mir-27b	GLT8D4	mir-29c	
STK40 , FLJ00113	let-7g , let-7f , mir- 27a , mir-27b	EYA4	mir-208a	
MYST2	mir-149	CALM2	mir-130b	
E2F3	mir-10a	ARFIP1	mir-130b	
ENTPD1 , PleA 1	mir-421	CDK6	mir-149 , mir-29c , mir-10a	
CLIC4	mir-22	TULP4	mir-323-5p	
OXSRI , OSR1	mir-149	LOXL2	mir-29c	
TNFRSF1B	let-7g , mir-22 , let-7f	CRK	mir-10a	
FBLN2	mir-27a , mir-27b	PAN3	mir-130b	
CDKN1A	let-7g , mir-22 , let-7f	STRN4	mir-29c	
CPNE2	mir-181c , mir-181b	YRDC	mir-29c	
ITGB3	let-7g , mir-149 , let- 7f	LOXL4	mir-29c	

DKFZp666C036 , ENO1	mir-22	MEST	mir-29c		
	let-7g , let-7f , mir-181c , mir-181b	SPTLC2	mir-149 , mir-29c		
MARCKSL1	mir-149	CPEB1	mir-130b		
UBE2V1	mir-27a , mir-27b	RPS6KA3	mir-188-5p , mir-29c , mir-130b		
BSN	let-7g , let-7f	ANKIB1 , KIAA1386	mir-130b		
STEERIN2 , KIAA1419 , NAV2	mir-208a , mir-149 , mir-27a , mir-409-3p , mir-27b	KIAA0687 , MAP4K4	mir-29c , mir-130b , mir-10a		
SMAD7	mir-181c , mir-181b	ADAMTS9	mir-29c		
SPIRE1	let-7g , let-7f , mir-181c , mir-181b	GNA13	mir-29c		
NUMBL	let-7g , let-7f	CREB5	mir-29c , mir-130b		
GAN	let-7g , let-7f	RCC2	mir-378 , mir-29c		
ABHD2	mir-27a , mir-27b	PDPK1 , PDK1	mir-323-5p		
MAP4K3	let-7g , let-7f	TNFAIP3	mir-29c		
MAPK11P1L	let-7g , let-7f , mir-181c , mir-181b	BTG1 , BC009050	mir-130b		
NMT2	mir-181c , mir-181b	TATDN2	mir-29c		
KIAA0449 , KIF21B	let-7g , let-7f , mir-27a , mir-27b	EXT1	mir-149		
ANKRD13 , ANKRD13A	mir-22	EMP1	mir-188-5p , mir-29c		
PPME1	mir-27a , mir-27b	LOC645895 , MYBL1	mir-130b		
SHE , FLJ00138	mir-181c , mir-27a , mir-27b , mir-181b	TNFRSF1A	mir-29c		
RNF125	mir-181c , mir-181b	BMF	mir-29c		
KIAA1174 , LMBR1L	mir-149	RACGAP1	mir-130b		
MBOAT2	mir-181c , mir-181b	LTBR	mir-29c		
EIF2C2	mir-27a , mir-27b	TCF4	mir-130b		
CDC42SE1	let-7g , let-7f	LAMC1	mir-29c , mir-130b		
PKN2	let-7g , let-7f , mir-181c , mir-27a , mir-27b , mir-181b	LTBP2	mir-323-5p		
FERMT2	mir-376b	DGKD , dgkd-2	mir-29c		
ITGA5	mir-27a , mir-27b		mir-149		
HNRNPK , HNRPK	mir-409-3p	HIATL1	mir-29c		
SH3BGRL2	mir-27a , mir-27b	FAM46B	mir-130b		
PDCD6IP	mir-181c , mir-181b	SLC7A6	mir-29c		
GLT8D3	let-7g , mir-208a , let-7f , mir-27a , mir-27b	IPPK	mir-323-5p		
LDLR	mir-27a , mir-27b	FUBP3	mir-188-5p		
MAN2A1	mir-27a , mir-27b	PPM1F	mir-149		
CLCF1	mir-149	AK095546 , TPM4	mir-10a		
CAMSAP1L1	mir-181c , mir-181b	CCT3	mir-149		
LDB2	mir-421	ELMO2	mir-149 , mir-29c		
CLCN5	let-7g , mir-22 , mir-149 , let-7f , mir-27a , mir-27b , mir-10a	RNF39	mir-29c		
FLJ00147 , USP47	let-7g , let-7f , mir-181c , mir-181b	GNAI3	mir-323-5p		
LIMD1	let-7g , let-7f	COL15A1	mir-29c		
DLGAP4 , KIAA0964	let-7g , let-7f	ITGB1	mir-29c		
SEC23B	mir-22	SERPINE1 , BX649164 , BC005927	mir-10a		
RPN1	mir-27a , mir-27b	FRMD4A , KIAA1294	mir-29c		
SLC7A11	mir-181c , mir-376b , mir-27a , mir-27b , mir-181b	PPIC	mir-29c		
ARPC5	mir-22	SC4MOL	mir-130b		
CCND2	let-7g , let-7f	TTYH2	mir-29c		
MTHFR	mir-22	EXOC5	mir-149 , mir-130b		
CALM1	let-7g , let-7f , mir-181c , mir-409-3p ,	DGKH , DGKH-1	mir-29c		

	mir-181b			
WHSC1	mir-181c , mir-181b	RIOK3	mir-29c	
DKFZp761G1923 , PI4K2A	mir-181c , mir-181b	ATP7A	mir-29c	
MTHFD2	mir-22	NBEA , KIAA1544	mir-188-5p	
CDH5	mir-27a , mir-27b	MARCKS	mir-188-5p , mir-323-5p	
SPRED1	mir-409-3p	GRIA3	mir-149	
BZW1	let-7g , let-7f	CR607999 , TROVE2	mir-130b	
DKFZp434A109 , SLC39A13	mir-27a , mir-27b	SRC	mir-149	
BCL2L1	let-7g , let-7f	FLJ00213 , TBRG1	mir-188-5p	
RALB	let-7g , let-7f	ARSB	mir-29c	
LPIN2	mir-27a , mir-27b	FBXW11	mir-130b	
ARF3	mir-181c , mir-27a , mir-27b , mir-181b	TMEM184B	mir-149 , mir-323-5p	
GAB2	let-7g , mir-149 , let-7f	DPYSL2	mir-29c , mir-130b	
ALG9	mir-22 , mir-27a , mir-27b	SLC10A7 , DKFZp566M114	mir-208a	
OAF	mir-27a , mir-27b	SLC39A10	mir-130b	
RSU1	mir-22	LAMA4	mir-188-5p	
EML4	mir-208a	PTGFRN	mir-130b	
YWHAG	mir-181c , mir-181b	SHB	mir-149	
PHF20 , HCA58 , AX746620	mir-409-3p	RHBDD1	mir-29c	
DGCR8	mir-149	FAM107B	mir-130b	
PRKY	mir-27a , mir-27b	SLC6A6	mir-130b	
B4GALT5	mir-22	PITPNA	mir-29c	
PPIA	mir-876-3p	UBTD2	mir-149 , mir-29c	
TBC1D9	mir-181c , mir-181b	KIAA0379 , ANKRD28	mir-130b	
POLS	mir-27a , mir-27b	WWC2 , BOMB	mir-10a	
TORC2 , CRTC2	mir-149	TSPAN14	mir-29c	
LARP1	mir-409-3p	PTBLP , PTBP2	mir-208a	
GDAP2	let-7g , let-7f	MLXIP	mir-29c	
SESN2	mir-27a , mir-27b	KIF3B	mir-29c	
KIAA1412 , TMEM2	let-7g , let-7f	CLIC5	mir-188-5p	
RASSF5	mir-27a , mir-27b	SLC25A1	mir-323-5p , mir-10a	
PTMA	mir-376b	ADAMTS17	mir-29c	
CHKA	mir-27a , mir-27b	FRZB	mir-130b	
CSNK1G3	mir-181c , mir-181b			
SHROOM2	mir-149 , mir-27a , mir-27b			
DLL4	mir-27a , mir-409-3p , mir-27b			
TMEM183B , TMEM183A , CR591805	mir-10a			
MXD1	let-7g , mir-22 , let-7f			
ECE1	mir-27a , mir-27b			
SH3BGRL3	mir-409-3p			
ROD1	mir-181c , mir-181b			
GLIS3 , OK/KNS-cl.4	mir-181c , mir-181b			
RASSF1	mir-181c , mir-181b			
p62 , IGF2BP2	let-7g , let-7f , mir-181c , mir-181b			
UBXD2 , UBXN4	let-7g , let-7f			
INHBB	mir-10a			
PRKCD	mir-181c , mir-27a , mir-27b , mir-181b			
PKNOX1	mir-181c , mir-181b			
SPTY2D1	mir-22 , mir-181c , mir-27a , mir-27b , mir-181b , mir-10a , mir-421			
TOMM70A	mir-421			
TBL1XR1 , TBLR1	mir-181c , mir-376b , mir-181b			
CALM2	mir-421			

NEK6	mir-27a , mir-27b				
PIK3CD	mir-27a , mir-27b				
CDK6	mir-149 , mir-27a , mir-27b , mir-10a , mir-421				
TULP4	mir-181c , mir-876-3p , mir-181b				
PGF	mir-149				
CRK	mir-10a				
LIMK1	mir-27a , mir-27b				
SLC39A11	mir-27a , mir-27b				
LOXL4	let-7g , let-7f				
NCAM1	mir-27a , mir-27b , mir-421				
PDPN	mir-27a , mir-27b				
SLC25A25	mir-181c , mir-27a , mir-27b , mir-181b				
MEST	mir-181c , mir-181b				
CPEB1	let-7g , mir-22 , let-7f				
OSMR	let-7g , let-7f				
RPS6KA3	let-7g , let-7f , mir- 181c , mir-409-3p , mir-181b , mir-421				
PDK4	mir-27a , mir-27b				
ANKIB1 , KIAA1386	mir-27a , mir-876-3p , mir-27b				
TNFSF9	let-7g , let-7f				
CCL3	let-7g , let-7f				
SHOC2	mir-181c , mir-181b				
KIAA0687 , MAP4K4	let-7g , let-7f , mir- 181c , mir-181b , mir- 10a				
FGFR1 , MST123	mir-376b				
IRS2	let-7g , let-7f , mir- 181c , mir-181b				
RBMS1	mir-376b				
GNA13	mir-27a , mir-27b				
FARP1	let-7g , let-7f				
CREB5	mir-876-3p				
POM121	mir-181c , mir-27a , mir-27b , mir-181b				
TMED5 , UNQ397	let-7g , let-7f , mir- 27a , mir-27b				
RCC2	mir-22				
OK/SW-cl.14 , CALD1	mir-27a , mir-27b				
DKFZp434H0127 , PRDM4	mir-181c , mir-181b				
MAPK11	let-7g , let-7f				
PDPK1 , PDK1	mir-181c , mir-27a , mir-27b , mir-181b				
TNFAIP3	let-7g , let-7f				
HYOU1	mir-181c , mir-27a , mir-27b , mir-181b				
BTG1 , BC009050	mir-22 , mir-27a , mir-876-3p , mir-27b				
HMG A1	let-7g , let-7f				
CUL4B	mir-876-3p , mir-421				
SDC-1 , SDC1	mir-10a				
KCTD10	let-7g , let-7f				
ETV6	mir-181c , mir-876-3p , mir-181b				
TXLNA	let-7g , let-7f				
HN1L , DKFZp434O1216	mir-409-3p				
CBLB , Nbla00127	mir-181c , mir-27a , mir-27b , mir-181b				
TTC9	mir-22				
BMF	mir-181c , mir-181b , mir-421				

FNDC3B , fad104	let-7g , let-7f				
RLF	mir-181c , mir-181b				
VASP	mir-22				
IGF1R	let-7g , let-7f , mir-376b				
DPP3	let-7g , let-7f , mir-876-3p				
LTBP2	mir-876-3p				
XYLT1	let-7g , let-7f , mir-181c , mir-181b				
SLC7A2	mir-22				
SEC24A	mir-27a , mir-27b				
CWF19L1	mir-409-3p				
INTS2	let-7g , let-7f				
CDR2	mir-376b , mir-27a , mir-27b				
IPPK	mir-181c , mir-376b , mir-876-3p , mir-181b				
SLC1A4	let-7g , let-7f				
KPNB1	mir-181c , mir-27a , mir-27b , mir-181b				
PPM1F	mir-149				
AK095546 , TPM4	mir-10a				
CCT3	mir-149				
PRKAB2	let-7g , let-7f				
AK125701 , DDX19A , DDX19B , DKFZp762C1313	let-7g , let-7f				
GIPC1	let-7g , let-7f , mir-27a , mir-27b				
ENAH	mir-208a , mir-181c , mir-376b , mir-27a , mir-27b , mir-181b , mir-421				
FREQ	mir-27a , mir-27b , mir-421				
ELMO2	mir-149				
PRKX	mir-27a , mir-27b				
GNAI3	mir-876-3p				
CDC42BPB	mir-27a , mir-27b				
SERPINE1 , BX649164 , BC005927	mir-181c , mir-181b , mir-10a				
ITGA3	mir-181c , mir-181b				
Y09859 , CYR61	mir-22				
PRELID1	mir-22				
BIN3	let-7g , let-7f				
EXOC5	mir-149 , mir-421				
SERTAD2	mir-181c , mir-27a , mir-27b , mir-181b				
ACLY	mir-27a , mir-27b				
RIOK3	let-7g , let-7f				
FGD6	let-7g , let-7f , mir-27a , mir-27b				
FIP1L1/PDGFRA fusion , PDGFRA	mir-149 , mir-181c , mir-27a , mir-27b , mir-181b , mir-421				
PLEK	mir-181c , mir-181b				
ATXN10	mir-27a , mir-27b				
ALKBH1	let-7g , let-7f				
CR607999 , TROVE2	mir-27a , mir-27b				
PAK4	mir-181c , mir-181b				
SRC	mir-149				
SPRY2	mir-27a , mir-27b				
AX747733 , CTTNBP2NL , DKFZp547A023	mir-181c , mir-181b				
CASP3	let-7g , let-7f				
TMEM184B	mir-149				

ADAMTS1	let-7g , let-7f				
SLC10A7 , DKFZp566M114	mir-208a , mir-181c , mir-27a , mir-27b , mir-181b				
SHB	mir-149 , mir-27a , mir-27b				
SIPA1L3	mir-27a , mir-27b				
SLC6A6	mir-27a , mir-409-3p , mir-27b				
SLC25A24	let-7g , let-7f				
KIAA0379 , ANKRD28	let-7g , let-7f				
SLC38A2	mir-181c , mir-181b				
WWC2 , BOMB	mir-22 , mir-10a , mir-421				
FNBP4 , KIAA1014	mir-181c , mir-181b				
PTBLP , PTBP2	mir-208a , mir-181c , mir-181b				
DUSP4	let-7g , let-7f				
ADM	mir-181c , mir-181b				
IKZF1 , ZNFN1A1	mir-27a , mir-27b				
KIF3B	mir-181c , mir-181b				
SEMA4C	let-7g , let-7f , mir-181c , mir-181b				
SLC25A1	mir-10a				
POM121C , POM121-2	mir-181c , mir-27a , mir-27b , mir-181b				
KLHL2	mir-181c , mir-181b				
YWHAB	mir-181c , mir-27a , mir-27b , mir-181b				

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Table S5: miRNAs predicted to target mRNAs in the cardiac hypertrophy and apoptosis pathways. Gene symbol for the predicted targets and corresponding miRNAs are described on the table.

Cardiac Hypertrophy Pathway

2 days down mRNA	2 days up miR	2 weeks down mRNA	2 weeks up miR	2 months down mRNA	2 months up miR
ADCY9	19b	ADRA1B	93	MAP2K6	29a// 29b// 29c
ADRA1B	20a// 93// 106a// 106b//17	ADRB1	199a-3p// 25// let-7i		
ADRB1	19b// 92a	MAP3K4	15a// 15b// 199a-3p// 16// 497// 195// 148a		
EIF4E	15b	MAP3K10	181a		
GNA12	15b	RND2	221		
GNB5	20a// 93// 106a// 106b//17				
IRS1	15b				
MAP3K4	15b				
MAP3K5	582-3p// 20a// 106a// 106b// 93// 23a// 23b// 17				
MEF2A	19b				
MEF2C	223// 23a// 23b//105// 551b				
MRAS	423-5p				
PLCB1	20a//93// 106a// 106b// 17				
RAF1	19b// 15b				
RHOB	223// 19b// 21				
RHOT1	142-5p				

2 days up mRNA	2 days down miR	2 weeks up mRNA	2 weeks down miR	2 months up mRNA	2 months down miR
ADRB2	let-7g // 30a // let-7f // let-7a // let-7c // let-7i // 30e	GNB4	29a // 29c	PRKAR1A	150
CACNA1D	let-7g // let-7f // let-7a // let-7c // let-7i	PRKAR1A	30a // 30e	TGFB1	744
CALM1	22 // 27a // 29c // 27b // 29b	TGFBR1	208a		
GNA13	30a // 27a // 29c // 27b // 30e // 29b				
GNG12	27a // 29c // 27b // 29b				
IGF1R	let-7g // 30a // let-7f // 133a // let-7a // let-7c // let-7i // 30e				
MAP2K1	34a // 449b // 449a				
MAP2K4	22 // 27a // 409-3p // 29c // 27b // 29b				
MAPK11	let-7g // let-7f // let-7a // let-7c // let-7i				
NRAS	let-7g // let-7f // let-7a // let-7c // let-7i				
PIK3C2A	133a				
PIK3CD	30a // 27a // 27b // 30e				
RRAS	34a // 449b // 449a				
TGFBR1	22 // 27a // let-7c // let-7i // let-7g // 208a // let-7a // 133a // let-7f // 27b // 181b				

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Apoptosis

2 days up mRNA	2 days down miR	2 weeks up mRNA	2 weeks down miR	2 months up mRNA	2 months down miR
APAF1	27a // 212 // 27b	BAK1	29a // 29c	PRKCA	329 // 760
BAK1	27a // 409-3p // 29c // 27b // 29b	CASP7	29a // 29c		
BCL2L1	let-7g // let-7f // 133a // let-7a // let-7c // let-7i				
CASP3	let-7g // 30a // let-7f // let-7a // let-7c // let-7i // 30e				
IKBKE	let-7g // let-7f // let-7a // let-7c // let-7i				
MAP2K1	34a // 449b // 449a				
MAP2K4	22 // 27a // 409-3p // 29c // 27b // 29b				
MAP4K4	449b // 29c // let-7c // let-7i // 449a // let-7g // 34a // 30a // let-7f // let-7a // 30e // 29b // 181b				
NRAS	let-7g // let-7f // let-7a // let-7c // let-7i				
RRAS	34a // 449b // 449a				
TNFRSF1A	29c // 29b				
TNFRSF1B	22 // let-7g // let-7f // let-7a // let-7c // let-7i				

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