

Dual specificity phosphatase 15 regulates Erk activation in Schwann cells

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Supplementary Table 1. Gene targets that contain either Egr2 or Myrf near the TSS versus those that contain both Egr2 and Myrf nearby.

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both Egr2/Myrf</u>
Zufsp	Zrsr1	Zfyve21	Zfp608	Usp31	Tyro3
Zswim7	Zfp7	Zfpm1	Zfp574	Usp2	Trdmt1
Zswim4	Zfp57	Zfp956	Zfp518a	Urm1	Traf3ip2
Zswim2	Zdhhc9	Zfp706	Zfp503	Unc5a	Tpcn1
Zscan21	Zdhhc20	Zfp532	Zfp458	Ugt1a1	Tor1aip1
Zp4	Zdhhc14	Zfp516	Zfp451	Ufm1	Tob2
Zp3r	Zcchc2	Zfp385b	Zfp444	Ucp3	Tnrc18
Zp3	Zbtb43	Zfp213	Zfp395	Ubxn6	Tnp1
Znr1	Zbtb38	Zer1	Zfp36l2	Ubn1	Tnfrsf11b
Zmynd11	Zbtb3	Zcchc24	Zfp36l1	Ubiad1	Tmem189
Zmiz1	Ywhaq	Ypel2	Zfp362	Ube2v1	Tmed10
Zkscan5	Ypel5	Ybx3	Zfp346	Ube2e2	Tmcc3
Zfyve28	Wscd1	Xkr5	Zfp330	Ubash3b	Tmc7
Zfx	Wnt7b	Wrb	Zfp322a	Ubac1	Tll1
Zfp90	Wipi1	Wfikkn1	Zfp287	Tysnd1	Tk2
Zfp868	Wipf1	Wdr72	Zfp281	Twsg1	Tjap1
Zfp710	Wfs1	Wdr5	Zfp217	Tvp23a	Timm9
Zfp709	Wdr26	Vps9d1	Zfp191	Tusc5	Thra
Zfp707	Wdr20	Vps37b	Zfp180	Tulp4	Tfap4
Zfp703	Vps54	Vamp3	Zfp157	Ttf2	Tbx3
Zfp692	Vldlr	Uqcr10	Zfp148	Tspan2	T
Zfp655	Vasp	Upb1	Zfand2a	Tsc22d1	Syt11
Zfp653	Vangl1	Unc5b	Zeb2	Trpc6	Synrg
Zfp64	Uts2	Ugt8	Zeb1	Trim47	Syncrip
Zfp61	Utf1	Ubtf	Zdhhc7	Trim46	Stx8
Zfp609	Usp54	Ubl3	Zdhhc3	Trim45	Stk17b

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Zdhhc23	Trim43a	Stat1	Wdfy2	Sulf2	Rab5b
Zdhhc2	Trim2	Stard13	Wbscr17	Sucnr1	Qrfp
Zdhhc19	Trib2	St6gal1	Wbscr16	Stxbp5	Ptprf
Zcchc8	Trhr2	St3gal3	Wbp4	Stx4	Ptpn11
Zc3h15	Trappc5	Sstr5	Vwa1	Stmn4	Ptma
Zc3h14	Trappc3	Ss18	Vta1	Stk40	Psmf1
Zc3h11a	Trappc10	Spred2	Vstm4	Stk4	Psmd1
Zc2hc1c	Tra2a	Sppl2b	Vps4b	Stk35	Psmb4
Zbtb37	Tpsg1	Sparc	Vps4a	Stat5b	Proser1
Zbed3	Tpsb2	Sox10	Vps39	St8sia3	Prkcd
Yy1	Tprn	Socs3	Vps18	St3gal5	Prdm1
Ywhah	Tpra1	Snx30	Vps13b	St3gal4	Ppif
Ywhag	Tppp	Snapc5	Vps11	Sstr3	Pom121l2
Ywhae	Tpd52	Smurf1	Vom2r65	Sspo	Plekha7
Ythdf3	Tp53inp2	Smox	Vom2r56	Srpk1	Pla2g3
Ythdf2	Tox3	Smad7	Vom2r40	Srgap1	Pipox
Yme1l1	Tns3	Slc6a6	Vom2r37	Srcin1	Pink1
Yipf5	Tmub2	Slc35g3	Vom2r12	Spt1	Pim3
Yipf2	Tmprss5	Slain1	Vom1r28	Spsb1	Pik3r5
Yif1a	Tmem98	Sim2	Vom1r108	Spopl	Pik3r1
Yae1d1	Tmem88b	Sgms1	Vmp1	Spi1	Pik3c2b
Xylt2	Tmem209	Sept3	Vim	Spata24	Pigz
Xpr1	Tmem200c	Sec11c	Vgll4	Sp9	Phf21b
Xpo1	Tmem178a	Scrn1	Vgf	Sox5	Phf12
Xkr8	Tmem135	Scarb1	Vdac2	Snx33	Pemt
Xbp1	Tmbim1	Samd4a	Vdac1	Snx1	Pea15
Wwtr1	Tll2	S100a10	Vars2	Snrpd1	Pdgfrl
Wwp2	Thrb	Rufy1	Vapa	Snph	Pcif1
Wwox	Thap7	Rttm	Vamp7	Snd1	Pcbp3
Wt1	Tgfbr3	Rtkn	Vamp4	Snai1	Patz1
Wsb2	Tfeb	Rpia	Vamp1	Smyd3	Paqr8
Wsb1	Tfcp2	Rock2	Utp3	Smpd4	P2rx4
Wnt9a	Tf	Rnf217	Utp18	Smndc1	Optn
Wnt6	Tex261	Rnf19b	Ust	Smek2	Olr1638
Wisp3	Tenm4	Rnf144b	Uspl1	Smc5	Olfml2b
Wisp1	Tcp11	Rimbp2	Usp48	Smad5	Ogdhl
Wipi2	Tcf7l2	Rhog	Usp46	Slc9a1	Nrp1
Wipf2	Tbcb	Rhbdl3	Usp42	Slc8a3	Nipal4
Wfdc18	Tbc1d10b	RGD1310352	Usp36	Slc7a9	Ninj1
Wdr78	Taf10	RGD1309079	Usp30	Slc6a9	Ngly1
Wdr75	Tab2	RGD1306739	Usp28	Slc5a11	Ngdn
Wdr60	Syt13	Rexo2	Usp25	Slc48a1	Nfix
Wdr53	Syne3	Rasgef1c	Usp22	Slc45a3	Nfic
Wdr35l	Syndig1l	Rai1	Usp15	Slc43a1	Nfasc
Wdfy3	Syk	Rad51c	Usp12	Slc35e4	Neto2

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Usp10	Slc35c1	Nek9	Tuba1a	Ring1	Klhl31
Uso1	Slc2a1	Ndfip2	Ttyh1	Rin3	Klhl20
Usf1	Slc25a5	Ncor2	Tti2	Rhob	Klf9
Uqcrq	Slc25a28	Ncl	Ttc5	Rhcg	Klf7
Uqcrfs1	Slc25a15	Ncf1	Ttc29	Rhbdl2	Klf4
Uqcc2	Slc24a2	Nacc1	Ttc26	Rhbdf1	Kifc3
Ung	Slc22a3	Myo18a	Ttc12	Rgs2	Kdm3a
Unc50	Slc22a23	Musk	Tssk6	Rgr	Kcnip1
Unc119b	Slc16a6	Mtus1	Tspyl4	Rgma	Kcna1
Ulk1	Slc13a3	Mrps27	Tspan4	RGD1565641	Kbtbd11
Ugp2	Slc10a7	Mrpl19	Tspan18	RGD1565498	Itgb6
Ugdh	Sla	Mprip	Tspan17	RGD1563441	Irf2bpl
Ucn3	Sik3	Morf4l2	Tsku	RGD1563072	Iqcg
Uchl3	Sik1	Mob3b	Tsga10	RGD1562114	Il1a
Ubxn11	Siah2	Mob1b	Tsc22d3	RGD1562079	Igsf11
Ubqln1	Shmt1	Mmp17	Trpv4	RGD1561870	Ict1
Ublcp1	Sh3gl3	Mllt10	Trpv3	RGD1561161	Hsph1
Ubl7	Sh3d21	Mir6327	Trpv2	RGD1559493	Homer3
Ube4a	Sgms2	Mir6324	Trpv1	RGD1311899	Hist2h4
Ube3d	Sez6l	Mir3568	Trpm1	RGD1311892	H3f3b
Ube3a	Sez6	Mir3564	Trmt61a	RGD1310769	Gucy1b2
Ube2z	Sertad4	Mir346	Trmt13	RGD1305298	Gtl3
Ube2v2	Serpinf2	Mir338	Trmt10b	Rfx7	Gtf2a1
Ube2s	Serpina4	Mir181a-1	Triqk	Rffl	Gsn
Ube2g1	Sema4d	Mir125b-2	Trip11	Rere	Gpr17
Ube2f	Sele	Mical2	Trim41	Reps1	Gpd1
Ube2e3	Sdccag8	MGC94891	Trim29	Ren	Golga1
Ubc	Scube1	Metap1	Trim27	Relt	Gnb2
Ubb	Scgn	Med27	Trhr	Rbm45	Gmpr
Uald1	Scand1	Mbp	Trex1	Rb1cc1	Gltf
Uaca	Sbf1	Mar2	Trem2	Raver1	Gins2
Tyw5	Samd4b	Mapkapk5	Treh	Rasgrp3	Gas7
Tyw1	Sag	Map4k4	Trappc9	Ranbp17	Galnt10
Txnip	S100b	Mag	Trappc2l	Ran	Gadd45g
Txndc8	Rybp	Lypla2	Trak1	Ralgds	Fzd5
Txndc2	Rxra	Lphn1	Trafd1	Rac1	Fxn
Txndc11	Ruvbl2	LOC691153	Traf4	Rab6b	Fuk
Twf1	Rtn4	LOC683897	Traf2	Rab4a	Frmd4a
Tvp23b	Rsu1	LOC502684	Tra2b	Rab40c	Foxo3
Tubgcp3	Rps3	LOC100362981	Tpx2	Rab10	Foxk1
Tubb6	Rps17	Lipogenin	Tpte2	Pum1	Fos
Tubb5	Rpl13a	Limd1	Tpt1	Ptgfr	Fgf1
Tubb3	Rnf185	Limch1	Tpr	Psrc1	Fgd2
Tubb2a	Riok3	Lgals8	Tpp2	Psmb7	Fem1b
Tuba1b	Rinl	Lcat	Tpm4	Psd2	Fbxo31

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Tpm1	Prune	Fam83f	Tmem167b	Pdk2	Btg2
Tpi1	Prtg	Fam53b	Tmem165	Pde4d	Brf1
Tpcn2	Prpf6	Fam207a	Tmem14a	Pde4b	Bod1
Tpbg	Prox1	Fam178b	Tmem128	Pdcd4	Bcas1
Tp53i13	Prok2	Fam134b	Tmem120b	Pcyt2	Bcar1
Tp53i11	Prkcz	Fam129b	Tmem110	Pcsk6	Bcan
Tox4	Prima1	Fa2h	Tmem107	Pcgf5	Bbx
Tor1aip2	Prickle2	Exoc2	Tmed2	Parp3	Atpaf2
Tor1a	Prex1	Exoc1	Tmed1	Papss2	Atf1
Top2a	Pragmin	Elmo1	Tmbim6	Paox	Asb8
Top1mt	Ppp2r5a	Ebf2	Tm4sf5	Panx1	Arl6
Tomm40l	Ppp2r1b	Dusp15	Tlr5	Pank4	Arhgef7
Tomm20	Ppp1r36	Dstyf	Tlr10	Pak7	Arhgef37
Tom1	Ppp1r14a	Ddx59	Tlk2	Pafah1b2	Arhgef2
Tob1	Ppib	Ddx55	Tle3	Pacsin2	Ap3b1
Tns4	Ppfibp2	Ddx1	Tle2	Otx1	Amz1
Tns1	Pou3f3	Dcun1d4	Tle1	Otub1	Ahi1
Tnrc6b	Popdc3	Dclk1	Tkt	Otos	Ahdc1
Tnn	Polr2h	Cyth1	Tjp2	Otop3	Ago2
Tnfrsf26	Pnrc1	Cyp7b1	Timp2	Otop2	Adamts2
Tnfrsf19	Pnp	Cxxc5	Thrap3	Opalin	Adamts1
Tnfaip8	Plxnb3	Ctnn	Thpo	Olr1641	Adam15
Tmx4	Pln	Csrnp3	Thop1	Olfm4	Adam11
Tmprss7	Plin2	Crtc1	Thoc7	Odf2l	Actb
Tmprss4	Plekho1	Crtam	Thnsl1	Odf1	Acp2
Tmpo	Plekhj1	Cpvl	Thbs4	Oacyl	Abl1
Tmf1	Plekhg1	Cplx2	Thap6	Nusap1	Abca2
Tmem97	Plekha1	Coro1c	Thap4	Nupl2	
Tmem88	Pld2	Cnot6	Tgif2	Nudt4	
Tmem87b	Plcl1	Cnm4	Tgfb1	Nudt14	
Tmem86a	Pknox1	Cmtm6	Tg	Nudt13	
Tmem42	Piwil1	Clip2	Tfrf	Nucb2	
Tmem30a	Pid1	Clic4	Tfdp2	Nubpl	
Tmem255b	Picalm	Chst3	Tfb1m	Nuak1	
Tmem248	Pi16	Cerk	Tfap2a	Nrf1	
Tmem225	Phtf1	Cdk2ap1	Tex10	Nr2f6	
Tmem208	Phlda2	Cdh13	Tenm3	Nle1	
Tmem204	Phgdh	Cdc6	Tekt5	Nkx6-2	
Tmem184c	Phb	Cd82	Tekt3	Nfib	
Tmem184b	Pgrmc2	Cd48	Tef	Nfia	
Tmem184a	Pex14	Ccsap	Tec	Neurod2	
Tmem182	Pex11g	Ccna1	Tdrd7	Necap1	
Tmem181	Pex10	Ccdc67	Tctn1	Necab2	
Tmem170b	Pdzrn3	Cbr4	Tctex1d1	Ndufs4	
Tmem17	Pdlim3	Cacna1h	Tcof1	Ndst1	

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Tchp	Ncald		Supv3l1	Mfng	
Tcf4	Nars		Supt16h	Mex3b	
Tcf12	Nap1l5		Sumo3	Mettl7a	
Tceb2	Nacad		Sumo1	Mettl5	
Tcea1	Naa15		Sumf2	Mettl24	
Tbx4	Myrf		Sult5a1	Med7	
Tbx20	Mybphl		Sult1e1	Med4	
Tbx2	Mybbp1a		Sult1c3	Me2	
Tbr1	Mxd4		Sult1c2a	Mdm2	
Tbk1	Mvp		Sult1a1	Mdga1	
Tbce	Mvb12b		Suco	Mcoln3	
Tbcd	Mum1		Suclg1	Mc2r	
Tbcc	Mtrr		Sucla2	Mbl2	
Tbc1d31	Mtor		Styxl1	Matk	
Tbc1d2b	Mtmr12		Stxbp6	Mars	
Tbc1d14	Mtfr1l		Stxbp5l	Mar11	
Tas2r134	Mstn		Stxbp3	Mapkapk3	
Tas2r129	Msra		Stx6	Mapk7	
Tas2r110	Msantd3		Stx12	Mapk6	
Tars	Mrps2		Stx11	Map7	
Tardbp	Mrps10		Strn3	Map6d1	
Taok3	Mpped2		Strn	Map1a	
Taldo1	Mpdz		Stradb	Man2a1	
Tagln	Mpc1		Strada	Mael	
Taf3	Mogat2		Stox2	Macf1	
Taf2	Mob4		Stmn1	Lzts2	
Tada2a	Mmd2		Stk38	Ly6g5c	
Tacc1	Mmadhc		Stk32a	Ly6c	
Tab1	Mllt4		Stk25	Luzp1	
Szrd1	Mir99a		Stk10	Luc7l3	
Syvn1	Mir9-1		Stim2	Lrrc52	
Syt13	Mir802		Stfa3	Lrrc4	
Syt7	Mir675		ste2	Lrrc39	
Syt4	Mir6334		Stat5a	Lrrc3	
Syt10	Mir384		Stat3	Lrp3	
Synpo	Mir3597-1		Stard5	Lrp1	
Synj1	Mir204		Stard4	Lpcat4	
Syngap1	Mir202		Stard3nl	Lpar4	
Syna	Mir17-1		Stam	Lpar1	
Syce3	Minos1		Stag1	LOC688765	
Swap70	Micu3		Stab2	LOC687707	
Svip	Micu2		St8sia5	LOC619574	
Svil	Mical3		St6galnac1	LOC500956	
Suv420h2	Mgea5		St3gal6	LOC499643	
Susd4	Mgat5b		St13	LOC499339	

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Ssfa2	LOC498236		Snx16	Irs2	
Ssb	LOC361016		Snx15	Irgq	
Srsf9	Lgl1		Snx11	Irf9	
Srsf7	Litaf		Sntg1	Irf2	
Srsf3	Lingo4		Sntb2	Ippk	
Srsf2	Lingo3		Snta1	Ipo13	
Srsf10	Lin28c		Snrpg	Insig1	
Srsf1	Lifr		Snrpc	Il23a	
Srrm1	Lif		Snn	Il12a	
Srgap2	Lhx5		Snf8	Ift52	
Srf	Lgmn		Sncg	Ift43	
Srd5a3	Ldlrap1		Sncaip	Ifitm3	
Src	Ldb3		Snpc2	Htra1	
Sqstm1	Laptm4a		Snap29	Hspbp1	
Sqle	Krt42		Smurf2	Hps4	
Sptb	Klhl24		Smtn	Hmgb4	
Spsb2	Klf13		Smpd3	Hmcn1	
Spry3	Kit		Smim14	Hm13	
Spry2	Kin		Smg7	Hemk1	
Spop	Kif9		Smcr8	Heatr6	
Spock2	Kif3b		Smarcd2	Hcn2	
Spn	Kif26a		Smarcc1	Hapln2	
Spire2	Kif1b		Smarcal1	Gtf3c2	
Spire1	Kif13b		Smarca5	Gskip	
Spink14	Kif13a		Smcp2	Grm1	
Sphk1	Kctd5		Smad4	Grik5	
Specc1	Kcnq3		Smad3	Grid2ip	
Spc25	Kcnk13		Smad2	Grid1	
Spata5l1	Kcnh5		Slmo1	Gramd3	
Spata33	Kcnb1		Slmap	Gpr37	
Spata3	Kcna6		Slitrk1	Gpr113	
Spata21	Kcna5		Slit3	Gphb5	
Spata13	Kbtbd8		Slfn2	Gpd2	
Spag9	Katnal1		Slco4c1	Gpa33	
Spag7	Kat5		Slc9b2	Gp1bb	
Sp4	Jph3		Slc9a3r1	Gorasp2	
Sp100	Josd2		Slc9a3	Gng13	
Sox4	Jakmip3		Slc7a6os	Glt6d1	
Sox2	Itpk1		Slc7a5	Gjd2	
Sorcs2	Itn2a		Slc7a13	Gja10	
Sorbs3	Itga6		Slc6a4	Gipc2	
Socs2	Ist1		Slc6a2	Gins4	
Snx8	Isoc1		Slc6a1	Gfra2	
Snx24	Isca1		Slc51a	Gfod1	
Snx18	Irx5		Slc4a3	Gfer	

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Slc44a2	Gbp2		Shisa4	Entpd6	
Slc44a1	Galnt2		Shfm1	Eml2	
Slc39a6	Gadd45a		Shc4	Elf3	
Slc38a9	Gad2		Sh3bp5	Elavl3	
Slc38a2	Gabrg1		Sh2d4b	Eif4h	
Slc36a4	Gabra5		Sh2b2	Eif4b	
Slc36a3	Fuca2		Sgsm2	Eif3l	
Slc36a2	Fstl1		Sgol2	Eif1b	
Slc36a1	Foxk2		Sgcb	Ehd1	
Slc35g2	Foxj3		Sgca	Ece1	
Slc35e2b	Foxi3		Sfxn1	Ebag9	
Slc35a1	Fnbp1l		Sfswap	E2f1	
Slc31a2	Fmod		Sfmbt2	Dynlrb2	
Slc30a9	Fmo5		Sf3b3	Dusp7	
Slc2a5	Fmo4		Setl1	Dusp1	
Slc28a3	Fgfr3		Setd8	Dsn1	
Slc27a6	Fgfr2		Setd5	Dram1	
Slc27a4	Fgfr1		Sesn2	Dpysl5	
Slc27a1	Fcho1		Sertad2	Dpy30	
Slc26a9	Fbxo6		Sertad1	Dnmt3a	
Slc26a2	Fbxo32		Serpinh1	Dnm2	
Slc25a4	Fbxo11		Serpinf1	Dnajc5b	
Slc25a37	Fbxl7		Serpine2	Dnajb2	
Slc25a17	Fbxl17		Serpinb7	Dnai2	
Slc25a10	Fat1		Sept9	Dlgap4	
Slc25a1	Fastkd2		Sept8	Dkk3	
Slc24a6	Fam98a		Sept7	Dis3	
Slc1a2	Fam83d		Senp8	Dhx33	
Slc17a5	Fam76b		Senp7	Dgkz	
Slc17a3	Fam49a		Senp6	Dgki	
Slc17a2	Fam229a		Sema7a	Dgka	
Slc15a4	Fam212a		Sema6c	Ddx31	
Slc13a1	Fam19a5		Sema4c	Ddr2	
Slamf7	Fam196a		Sema3b	Ddr1	
Slain2	Fam122a		Selrc1	Ddost	
Ska2	Fam110a		Selplg	Dclre1c	
Ska1	Faim2		Selm	Dcaf10	
Sirt4	Fah		Sell	Dbndd2	
Sipa1l2	Fabp6		Selk	Dapl1	
Sipa1l1	Fabp3		Seli	Dagla	
Sipa1	Etv6		Secisbp2l	Cyp24a1	
Sin3a	Espnl		Sec63	Cyb5r2	
Siah1a	Ern1		Sec61a2	Cyb5d2	
Siae	Erf		Sec24a	Cxadr1l	
Shpk	Epn2		Sec22b	Cux2	

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Sec22a	Ctdp1		RT1-CE14	Ccno	
Sec14l5	Ctbp1		RT1-CE12	Ccnjl	
Sec14l1	Csrnp1		RT1-CE11	Ccna2	
Sdsl	Csf1		RT1-A1	Ccdc28a	
Sdr42e1	Creld2		Rsrc2	Ccdc182	
Sdpr	Crb2		Rspry1	Ccdc167	
Sdk2	Cox7a2l		Rsl1d1	Ccdc148	
Sdhc	Cox7a2		RSA-14-44	Cbx7	
Sde2	Cox6c-ps1		Rrp9	Cbfb	
Sdc4	Coq7		Rreb1	Casc5	
Sdc3	Col9a2		Rqcd1	Carkd	
Sdad1	Cobl		Rptor	Capns2	
Scyl1	Cntn2		Rps7	Camk2n1	
Scp2d1	Cnksr3		Rps6kb2	Camk2g	
Scp2	Cnga3		Rps6ka5	Camk2b	
Scfd1	Cmip		Rps29	Cacng3	
Scd	Clptm1l		Rps24	Cacna1i	
Sccpdh	Clip3		Rps16	Cacna1a	
Scamp5	Clec2l		Rps13	Cabin1	
Scamp3	Cldn15		Rpp40	Bzw1	
Scaf11	Cldn11		Rplp0	Bnip3	
Sbno1	Clca2		Rpl9	Bfsp2	
Sarnp	Clasp2		Rpl8	Bdkrb1	
Sardh	Ckap2		Rpl4	Bcl2l1	
Sap30bp	Chst13		Rpl35	Barhl1	
Samsn1	Chmp7		Rpl30	Bach1	
Samhd1	Chic2		Rpl3	B4galt5	
Samd14	Chchd1		Rpl27a	Atp6v1g1	
Sacm1l	Chac1		Rpl24	Atp6v1d	
S1pr3	Cercam		Rpl23a	Atp5h	
S100pbp	Celf6		Rpl23	Atp2b4	
S100a6	Cel		Rpl22l1	Atp1b3	
S100a3	Ceacam9		Rpl22	Atoh8	
Rwdd4	Cds2		Rpl12	Atl2	
Runx2	Cdon		Rph3a	Atg5	
Runx1t1	Cdkn1c		Rpe	Ascc2	
Rtp1	Cdk18		Rpap2	Arv1	
Rtn4rl2	Cdip1		Ros1	Arsb	
Rtkn2	Cdh3		Rogdi	Arhgef3	
Rtcd1	Cdc37l1		Rock1	Arfgef2	
RT1-M10-1	Cdc16		Robo4	Apoa1bp	
RT1-CE6	Cda		Rnf7	Apln	
RT1-CE5	Cd9		Rnf6	Apbb1	
RT1-CE4	Cd27		Rnf5	Apba2	
RT1-CE2	Cd180		Rnf44	Aox3	

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Rnf41	Aoc1		RGD1564149		
Rnf4	Ankrd1		RGD1564114		
Rnf39	Ampd3		RGD1563482		
Rnf38	Alx4		RGD1563263		
Rnf34	Allc		RGD1563222		
Rnf24	Akirin2		RGD1563015		
Rnf216	Agpat5		RGD1562673		
Rnf19a	Ago3		RGD1562658		
Rnf181	Ago1		RGD1562310		
Rnf167	Agmat		RGD1562229		
Rnf145	Agap1		RGD1562161		
Rnf139	Adra1d		RGD1562136		
Rnf138	Adora3		RGD1561676		
Rnf123	Adi1		RGD1560212		
Rnf112	Adar		RGD1559896		
Rnf111	Ada		RGD1559536		
Rnf10	Acy3		RGD1559442		
Rnd3	Acvrl1		RGD1359108		
Rnaseh2b	Actn4		RGD1312005		
Rnaseh2a	Acot2		RGD1311805		
Rnase4	Acadm		RGD1311747		
Rmrp	Abr		RGD1311517		
Rmnd5b	Abhd17c		RGD1311343		
Rln3	Abhd17b		RGD1310572		
Ripply3	Abcb4		RGD1310429		
Ripk1			Rgd1310049		
Riok1			RGD1309808		
Rin2			RGD1309779		
Rhot2			RGD1309748		
Rhot1			RGD1309534		
Rhbdl1			RGD1309492		
Rhbdd2			RGD1309362		
Rgs8			RGD1308923		
Rgs21			RGD1308706		
Rgs12			RGD1308601		
Rgl2			RGD1308428		
RGD735029			RGD1308147		
RGD1566320			RGD1307704		
RGD1566226			RGD1307461		
RGD1565784			RGD1307315		
RGD1565616			RGD1307155		
RGD1565367			RGD1306941		
RGD1564865			RGD1306772		
RGD1564428			RGD1306626		
RGD1564379			RGD1306195		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
RGD1306063			Rara		
RGD1305938			Raph1		
RGD1305928			Rapgef6		
RGD1305645			Rapgef5		
RGD1305627			Rap2b		
RGD1305537			Rap2a		
RGD1305455			Rap1gap		
RGD1304982			Rap1b		
RGD1304704			Ranbp2		
RGD1304694			Ranbp10		
RGD1304567			Ralgapb		
Rfwd2			Rala		
Rfc2			Rai2		
Rfc1			Rai14		
Rev3l			Rag1		
Retnlg			Radil		
Rergl			Rad54l		
Rell1			Rad50		
Reep3			Rad23a		
Reep2			Rabgef1		
Rdx			Rabep1		
Rdm1			Rab8b		
Rdh8			Rab7b		
Rcsd1			Rab6a		
Rcn2			Rab40b		
Rcn1			Rab3ip		
Rbpj			Rab3gap2		
Rbm4b			Rab36		
Rbm39			Rab2a		
Rbm34			Rab28		
Rbm26			Rab22a		
Rbm25			Rab20		
Rbm22			Rab1a		
Rbfox2			Rab17		
Rbfox1			Rab11a		
Rbfa			Qtrt1		
Rbbp7			Qser1		
Rbbp5			Qrs1		
Rassf4			Qk		
Rassf3			Pygl		
Ras111b			Pxn		
Ras110b			Pxdc1		
Rasd2			Pvrl3		
Rasal2			Puf60		
Rasa3			Pttg1ip		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Ptrhd1			Prnp		
Ptrh2			Prmt5		
Ptpr			Pr17a4		
Ptprm			Pr15a2		
Ptprj			Prkrip1		
Ptpre			Prkd1		
Ptprc			Prkcsh		
Ptpra			Prkce		
Ptpn20b			Prkar2a		
Ptpn2			Prkag2		
Ptplad2			Prkaca		
Ptpla			Prkaa2		
Ptpdc1			Prim2		
Ptges3l1			Prep		
Ptger4			Prdm4		
Pter			Prdm2		
Ptch1			Prdm11		
Ptbp3			Pptc7		
Ptbp1			Ppp4r2		
Psph			Ppp3r1		
Pspc1			Ppp3cb		
Psmg4			Ppp3ca		
Psmg1			Ppp2r5c		
Psme4			Ppp2r4		
Psmd9			Ppp2r3a		
Psmd7			Ppp2r2a		
Psmd12			Ppp1r8		
Psmc6			Ppp1r35		
Psmc3			Ppp1r1c		
Psma1			Ppp1r15b		
Psen2			Ppp1r12b		
Psat1			Ppp1r11		
Psap			Ppp1r10		
Prx			Ppp1cc		
Prtfdc1			Ppp1cb		
Prss3			Ppm1d		
Prrx1			Ppm1b		
Prrt1			Ppfia1		
Prrg4			Ppargc1b		
Prr5l			Ppard		
Prr16			Ppapdc1b		
Prpsap2			Ppap2b		
Prpsap1			Ppa2		
Prph			Ppa1		
Prpf4b			Pou3f2		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Pou3f1			Pkib		
Pou2f1			Pkd1		
Por			Pitrm1		
Pop5			Pitpnb		
Pomp			Pip4k2b		
Pomk			Pip4k2a		
Pom121			Pin1		
Polr3k			Pim1		
Polr3f			Pik3r3		
Polr2m			Pik3ip1		
Polr2j			Pik3c3		
Polr2f			Pik3ap1		
Polr2b			Pigm		
Polr1b			Piezo1		
Polg2			Pick1		
Pold2			Pias4		
Pola2			Pias1		
Pofut2			Pi4kb		
Poc1a			Phykpl		
Pnpt1			Phyhip		
Pnkd			Phospho1		
Pmp22			Phldb1		
Pmaip1			Phlda3		
Pm20d1			Phlda1		
Plxnd1			Phkg1		
Plxdc2			Phkb		
Plxdc1			Phf2		
Plvap			Phf13		
Plscr2			Pglyrp3		
Plod3			Pgf		
Plip			Pgbd5		
Plk5			Pfn2		
Plk3			Pfdn1		
Plekhm2			Pfas		
Plekhg5			Pex5l		
Plekhf1			Pex12		
Plekhh1			Per1		
Plekha4			Peli2		
Plec			Pecr		
Plcb4			Pebp1		
Plac8			Pdxdc1		
Pla2g2a			Pds5b		
Pla2g15			Pdrg1		
Pla2g10			Pdp1		
Pknnox2			Pdlim7		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Pdia4			Oxct1		
Pdgfrb			Oxa1l		
Pdgfa			Otud4		
Pde7b			Otop1		
Pde7a			Osbp12		
Pdcl3			Osbp11		
Pdcd7			Os9		
Pdcd1			Orc4		
Pdap1			Orai2		
Pcyt1a			Opa1		
Pcp4			Omg		
Pcna			Omd		
Pcmt1			Olr943		
Pcm1			Olr869		
Pcdhgc3			Olr820		
Pcdhga5			Olr81		
Pcdha5			Olr766		
Pcdh7			Olr728		
Pcdh15			Olr575		
Pccb			Olr513		
Pbx3			Olr441		
Pars2			Olr434		
Parp16			Olr400		
Park7			Olr24		
Pard6b			Olr23		
Paqr7			Olr1750		
Paqr6			Olr1744		
Papolb			Olr1722		
Papola			Olr171		
Papd7			Olr1701		
Papd5			Olr1512		
Pank3			Olr1492		
Pan2			Olr1461		
Palmd			Olr1417		
Pald1			Olr1384		
Pak2			Olr1314		
Pak1ip1			Olr1275		
Paip2			Olr1254		
Padi2			Olr1229		
Pabpc2			Olr1158		
Pabpc1			Olr1151		
Pa2g4			Olr1142		
P4hb			Olr1137		
P2ry2			Olr1117		
P2rx7			Olr1115		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Olr1051			Nop2		
Ogn			Nomo1		
Ogfod1			Nol3		
Oaf			Nog		
Nxn			Nodal		
Nvl			Nod2		
Nupr1l			Nnt		
Nup93			Nmur2		
Nup54			Nmu		
Nup37			Nmt2		
Numbl			Nmnat2		
Nuf2			Nme8		
Nudt9			Nme2		
Nudt6			Nme1		
Nudt3			Nlrx1		
Nudt21			Nln		
Nudt17			Nlk		
Nudt16l1			Nipsnap3b		
Nudt1			Nif3l1		
Nubp2			Niacr1		
Nubp1			Nhp2		
Ntpcr			Nhej1		
Nt5m			Ngp		
Nt5dc1			Ngfr		
Nsun2			Nfya		
Nsf			Nfil3		
Nsd1			Nfatc2		
Ns5atp9			Nfatc1		
Ns5atp4			Nf1		
Nrp2			Neurog1		
Nrg1			Neurod1		
Nrep			Neurl2		
Nrcam			Net1		
Nrbf2			Nepn		
Nrarp			Nenf		
Nr5a1			Nemf		
Nr4a2			Nek7		
Nr3c1			Nek6		
Nr1d1			Nek4		
Nptn			Nek1		
Npepps			Nedd9		
Npepo			Nedd4l		
Npc1			Nedd4		
Notch4			Ndufv2		
Nop58			Ndufs7		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Ndufs2			Mxd1		
Ndufb4			Mvd		
Ndufa2			Murc		
Ndst2			Muc20		
Ndrp1			Mtus2		
Ndfip1			Mtss1l		
Ncor1			Mtss1		
Ncoa4			Mtnr1a		
Nckipsd			Mtmer9		
Nck1			Mtmer4		
Ncf2			Mtmer3		
Ncdn			Mtmer1		
Ncbp1			Mtm1		
Nav3			Mtif2		
Narf			Mtf2		
Napg			Mtf1		
Nampt			Mtbp		
Nagpa			Mt4		
Naf1			Mt3		
Nadk			Mt2A		
Nabp1			Msmo1		
Nab2			Msl1		
Nab1			Msantd1		
Naa35			Mrrf		
Naa25			Mrps9		
N4bp2l2			Mrps7		
N4bp2l1			Mrps31		
Myt1			Mrps23		
Myrip			Mrps18c		
Mypop			Mrpl55		
Mypn			Mrpl51		
Myom1			Mrpl48		
Myo9b			Mrpl45		
Myo1e			Mrpl44		
Myo1d			Mrpl36		
Myo1b			Mrpl35		
Myo19			Mrpl34		
Mylip			Mrpl32		
Myl6l			Mrpl20		
Myl6b			Mrpl1		
My12b			Mrgprx1		
Myh9			Mras		
Myh4			Mpz1		
Myh14			Mpz		
Myc			Mppe1		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Mpp7			Mir26b		
Mpp6			Mir26a		
Mpp3			Mir24-2		
Mpc2			Mir23b		
Mospd3			Mir23a		
Morn4			Mir224		
Morf4l1			Mir217		
Morc3			Mir216b		
Morc1			Mir21		
Mon2			Mir181c		
Mon1b			Mir181b2		
Mok			Mir152		
Mogat1			Mir145		
Mnt			Mir138-1		
Mmp2			Mir125b1		
Mmp16			Mink1		
Mmp15			Miip		
Mmp14			Mief1		
Mmgt2			Micalcl		
Mme			Mical1		
Mmaa			Mgl1		
Mlycd			MGC94207		
Ml1t11			MGC94199		
Mitf			MGC125239		
Mirlet7c-2			MGC116121		
Mirlet7c-1			MGC112715		
Mirlet7a1			Mgat4c		
Mir874			Mgat4b		
Mir664-1			Mgat3		
Mir6326			Mgat1		
Mir6323			Mfsd6		
Mir6322			Mfsd2a		
Mir6216			Mfap3l		
Mir466d			Mfap2		
Mir383			Mex3c		
Mir3596b			Mettl9		
Mir3582			Mettl4		
Mir3567			Mettl21c		
Mir34b			Mertk		
Mir34a			Mepce		
Mir328b			Megf9		
Mir30c2			Megf10		
Mir30a			Mef2bnb		
Mir3074			Med8		
Mir3065			Med22		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Med17			Lysmd3		
Med15			Lym7		
Med13			Lyl1		
Mdh1b			Ly6i		
Mdc1			Lurap1		
Mcoln1			Lum		
Mcm6			Ltb		
Mcm4			Lsm4		
Mcm2			Lsm3		
Mchr1			Lsm11		
Mcart1			Lrrtm3		
Mcam			Lrrtm2		
Mc4r			Lrrn3		
Mbnl2			Lrrcc1		
Mblac2			Lrrc8e		
Mblac1			Lrrc71		
Mau2			Lrrc58		
Matr3			Lrrc4c		
Mast3			Lrrc43		
Marveld3			Lrrc20		
Mar7			Lrrc18		
Mar1			Lrrc16a		
Mapt			Lrp2bp		
Mapkbp1			Lrig2		
Mapk9			Lrcol1		
Mapk8			Lpcat2b		
Mapk14			Lonp2		
Mapk1			Loh12cr1		
Map7d1			LOC690911		
Map3k6			LOC690806		
Map3k2			LOC690326		
Map2k7			LOC690206		
Map2k4			LOC689986		
Map2			LOC689713		
Manf			LOC687565		
Man2c1			LOC687399		
Man2b1			LOC686031		
Man1b1			LOC685722		
Man1a1			LOC684871		
Mall			LOC683469		
Mal			LOC680039		
Mak			LOC679825		
Mafk			LOC502894		
Maf			LOC500827		
Lyst			LOC500567		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
LOC500354			Lias		
LOC499843			Lhfpl4		
LOC499796			Lgi4		
LOC499407			Lgals3		
LOC498933			Lfng		
LOC498705			Letmd1		
LOC498276			Letm2		
LOC498265			Leprot		
LOC498231			Lepr		
LOC498155			Leo1		
LOC498154			Leng8		
LOC497938			Lenep		
LOC497934			Ldlr		
LOC365238			Ldhb		
LOC361346			Lcmt2		
LOC317165			Lcmt1		
LOC310926			Lasp1		
LOC301165			Larp1b		
LOC294154			Large		
LOC288913			Laptm5		
LOC257650			Lap3		
LOC100912292			Lao1		
LOC100910802			Lamtor5		
LOC100910318			Lamtor4		
LOC100365935			l7Rn6		
LOC100363294			Ksr1		
LOC100363289			Krt33a		
LOC100362783			Krr1		
LOC100362172			Kremen1		
LOC100361645			Kpnb1		
LOC100359977			Kpna3		
LOC100359968			Kntc1		
LOC100151767			Klrb1b		
LOC100125368			Klra5		
LOC100125367			Klra17		
Lnx2			Klkb1		
Lmtk2			Klk1c3		
Lmo7			Klhl9		
Lmna			Klhl26		
Lmln			Klhl25		
Lmbrd1			Klhl21		
Lman2l			Klhl11		
Lipc			Klhdc10		
Limk1			Klf6		
Lig4			Klf15		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Klf11			lws1		
Kifc1			ltsn1		
Kif5b			ltpripl2		
Kif3c			ltpr3		
Kif2c			ltpkb		
Kif27			ltgb8		
Kif19			ltgb5		
Khdrbs2			ltgb4		
Kdsr			ltgb1		
Kdm6b			lscu		
Kdm5b			lrs3		
Kdm2b			lrgm		
Kdm2a			lrgc		
Kdm1a			lrg1		
Kdelr2			lreb2		
Kctd7			lqub		
Kctd18			lpo9		
Kctd11			lpmk		
Kctd1			ints2		
Kcnrg			lnc		
Kcnq5			lnpp5k		
Kcnmb4			lnpp5f		
Kcnk5			lnpp4b		
Kcnk1			lnpp4a		
Kcnj11			lno80d		
Kcnj10			lnmt		
Kcnh8			lng1		
Kcnh7			lnca1		
Kcnh4			lmpdh2		
Kcne4			lmp4		
Kcna10			llf3		
Kbtbd2			ll34		
Katnb1			ll3		
Kat7			ll20rb		
Kat6a			ll17rd		
Kansl3			ll17ra		
Kansl2			ll17f		
Kank4			ll16		
Kank1			ll12rb2		
Kalrn			lkzf5		
Jund			lkbke		
Junb			lkbkap		
Jmjd7			lgsf8		
Jmjd1c			lgfbp6		
Jam3			lgfbp5		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Igf2r			Hnrpd		
Ift81			Hnrnpl		
Ift74			Hnrnpk		
Ift20			Hnrnph3		
Ifnk			Hnrnpf		
Ier5l			Hnrnpdl		
Ier5			Hnf1a		
Ier3			Hmox1		
Ier2			Hmgn2		
Idi1			Hmgcr		
Id4			Hmgb2		
Ica1l			Hmgb1-ps2		
Iba57			Hk3		
Hus1			Hjurp		
Htt			Hist3h2bb		
Htra2			Hist2h3c2		
Htr1f			Hist2h2ab		
Htr1b			Hist1h4m		
Hspe1			Hist1h4b		
Hspb11			Hist1h2bo		
Hspb1			Hist1h2bh		
Hspa9			Hist1h2ail		
Hspa5			Hist1h2af		
Hspa4			Hist1h1t		
Hspa2			Hist1h1d		
Hspa13			Hipk4		
Hsp90ab1			Hipk3		
Hsf2bp			Hip1r		
Hsf2			Hils1		
Hsd17b8			Higd2a		
Hsd17b3			Hibadh		
Hsd17b12			Hfe2		
Hsd17b11			Hfe		
Hscb			Hexim2		
Hs6st1			Hexim1		
Hs3st5			Hes7		
Hs3st3a1			Hes1		
Hrh2			Herc4		
Hps5			Hecw2		
Hpgd			Hecw1		
Hpd			Heatr2		
Hoxd3			Hdlbp		
Hoxd1			Hdhd2		
Hook3			Hdgf		
Hook2			Hddc3		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Hddc2			Grn		
Hdac4			Grifin		
Hdac2			Grcc10		
Hdac1			Grap		
Hcrtr2			Gpx5		
Hcn3			Gpsm1		
Hcn1			Gpr87		
Hbegf			Gpr6		
Haus8			Gpr3711		
Haus3			Gpr158		
Has3			Gpr157		
Hapln4			Gpr155		
Hand1			Gpr137b		
Hagh			Gpr135		
Hadha			Gpr107		
H6pd			Gpn2		
H2afy2			Gphn		
H2afx			Gpd1l		
H2afj			Got1l1		
Gypc			Gnpda2		
Guk1			Gng5		
Gtpbp8			Gne		
Gtpbp6			Gnao1		
Gtpbp3			Gnal		
Gtpbp2			Gnai3		
Gtf3c6			Gnai1		
Gtf3c3			Gna12		
Gtf2ird2			Gna11		
Gtf2ird1			Gmfb		
Gtf2i			Glyr1		
Gtf2h4			Glud1		
Gtf2h3			Gltscr2		
Gtf2f2			Gltscr1l		
Gtf2e1			Gltscr1		
Gtf2a1l			Gls		
Gtdc1			Glrx3		
Gsx1			Glg1		
Gstt4			Gldn		
Gstt3			Gjd4		
Gstt2			Git2		
Gstm4			Git1		
Gsta4			Gipc1		
Gsta1			Gins1		
Gsr			Ggps1		
Gsk3b			Ggnbp2		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Gfpt1			Frmd8		
Gfm2			Frmd6		
Gdpd1			Frmd3		
Gdf9			Fra10ac1		
Gdf7			Foxp3		
Gdf15			Foxj2		
Gcs1			Foxe3		
Gcnt2			Foxa1		
Gclc			Fopnl		
Gcc2			Fntb		
Gbe1			Fnta		
Gbas			Fnip2		
Gba3			Fnip1		
Gatsl2			Fnbp4		
Gatad2a			Fmnl1		
Gata1			Fkbp1		
Gas5			Fkbp9		
Gap43			Fkbp5		
Gan			Fkbp1a		
Galr1			Fjx1		
Galnt7			Fitm2		
Galnt1			Figl1		
Gal3st1			Fign		
Gak			Fibp		
Gabrg2			Fhl5		
Gabpb1			Fhl2		
Gabbr1			Fgfr4		
Gabarap			Fgf7		
Gab1			Fgf3		
G3bp2			Fgd3		
Fzr1			Fez2		
Fyn			Fem1c		
Fyco1			Fdxr		
Fxyd3			Fchsd1		
Fxyd2			Fcgr2a		
Fus			Fbxw8		
Fundc2			Fbxo7		
Fundc1			Fbxo46		
Fubp3			Fbxo28		
Ftmt			Fbxo22		
Ftl1			Fbxo21		
Fth1			Fbxo2		
Fst			Fbxo18		
Fry			Fbxl4		
Frs3			Fbxl22		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Fbxl20			Fahd1		
Fbxl12			Faf2		
Fbn2			Faf1		
Fbln5			F8		
Fblim1			F11		
Farsa			Ezr		
Far1			Ezh2		
Fance			Exosc9		
Fancc			Exosc7		
Fam96b			Exoc8		
Fam91a1			Exoc7		
Fam89b			Ewsr1		
Fam83h			Evi5		
Fam83b			Eva1b		
Fam81a			Etv4		
Fam76a			Etnk2		
Fam72a			Erp29		
Fam71a			Erlec1		
Fam65b			Erc2		
Fam58b			Erbp4		
Fam53a			Erbp2		
Fam49b			Eral1		
Fam43a			Eps15l1		
Fam3d			Eps15		
Fam229b			Epo		
Fam222a			Ephb3		
Fam220a			Ephb1		
Fam212b			Epha5		
Fam20c			Epha3		
Fam189b			Epdr1		
Fam188a			Epb42		
Fam180a			Epb41l4a		
Fam173a			Epb41l3		
Fam168b			Epb4.1l5		
Fam163b			Epas1		
Fam13b			Eny2		
Fam13a			Enpp6		
Fam133b			Enpp1		
Fam129c			Enoph1		
Fam126b			Enc1		
Fam117b			Enam		
Fam110b			Eml1		
Fam109b			Emid1		
Fam105a			Emc8		
Fam101a			Elovl7		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Elov15			Dusp14		
Elof1			Dtwd2		
Eln			Dsg4		
Elmod3			Dse		
Elmo2			Dscr3		
Ell			Drp2		
Elk3			Drg1		
Elfn1			Drap1		
Elf1			Dpysl3		
Eif5b			Dpysl2		
Eif5a			Dpagt1		
Eif4g3			Dot1l		
Eif4a1			Dopey2		
Eif3j			Donson		
Eif3c			Dok6		
Eif2b3			Dok4		
Eif2b1			Dock9		
Eif1a			Dock6		
Eif1			Dnpep		
Eid1			Dnmt3l		
Ehhadh			Dnmt1		
Egr2			Dnase1l3		
Egr1			Dnase1		
Egfl8			Dnal4		
Efs			Dnajc7		
Efnb2			Dnajc12		
Efhd1			Dnajb11		
Eepd1			Dnaja1		
Eef1g			Dmtn		
Eef1a1			Dll3		
Edc4			Dlg4		
Edar			Dld		
Eci2			Dlc1		
Eci1			Disp2		
Ebf1			Disp1		
Ears2			Disc1		
Eapp			Dis3l2		
Dynlt1			Dip2c		
Dynll1			Diaph1		
Dync2li1			Diablo		
Dydc2			Dhx40		
Dvl2			Dhx38		
Dusp6			Dhx15		
Dusp4			Dhtkd1		
Dusp18			Dhrsx		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Dhh			Cyp2j10		
Dguok			Cyp27a1		
Dgke			Cyp19a1		
Dgcr6			Cyb5r3		
Derl3			Cyb561		
Derl1			Cxcr7		
Depdc5			Cxcl3		
Dennd1a			Cxcl17		
Defb39			Cxcl11		
Defb23			Cwh43		
Defa11			Cul5		
Def8			Cul3		
Deaf1			Cuedc1		
Ddx52			Ctxn3		
Ddx50			Cttnbp2nl		
Ddx46			Ctss		
Ddx41			Ctsl1		
Ddx39a			Ctrl		
Ddx21			Ctrb1		
Ddx20			Ctnnb1		
Ddn			Ctif		
Ddit4			Ctdsp1		
Ddc8			Ctcf		
Dctn4			Ctc1		
Dctn1			Cstf3		
Dcp1a			Cstb		
Dck			Csta		
Dcdc2			Csrp2bp		
Dcbld2			Cspg4		
Dcaf11			Csnk2a2		
Daxx			Csnk1g2		
Dao			Csnk1e		
Dalrd3			Csnk1a1		
Daglb			Csn1s1		
Dag1			Csmd1		
Dad1			Csf2		
Cyth3			Csf1r		
Cysltr2			Csde1		
Cyp4x1			Cryz1		
Cyp4f17			Crygn		
Cyp46a1			Cryge		
Cyp3a9			Cryba1		
Cyp39a1			Cryab		
Cyp2r1			Cry2		
Cyp2j3			Crtap		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Crot			Coa5		
Crocc			Cntnap4		
Crls1			Cntn3		
Crlf2			Cntf		
Crispld1			Cnp		
Crisp1			Cnot7		
Crip2			Cnot2		
Crip1			Cnot11		
Crhr1			Cnot1		
Crem			Cnih4		
Crebrf			Cnep1r1		
Crebl2			Cnbp		
Creb3l2			Cmtr1		
Crcp			Cmtm3		
Cradd			Cmss1		
Cpn2			Cmklr1		
Cpd			Cmb1		
Cpamd8			Clybl		
Cox6c			Clvs1		
Cox4i2			Cltc		
Cox19			Clstn1		
Cox18			Clrn3		
Cotl1			Clpx		
Coro6			Clock		
Corin			Cln8		
Coq5			Cln6		
Coq3			Clk1		
Cops8			Clic6		
Cops7b			Clec7a		
Cops6			Clec3a		
Cops2			Clec2g		
Comt			Clec2dl1		
Commd3			Cldnd1		
Commd10			Cldn4		
Commd1			Cldn24		
Colec10			Cldn22		
Col6a2			Cldn19		
Col5a2			Cldn18		
Col5a1			Cldn16		
Col3a1			Cldn12		
Col1a2			Clcn3		
Col1a1			Cks2		
Col14a1			Cks1b		
Coil			Ckb		
Cog4			Cirbp		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Cilp			Cdc42ep4		
Cic			Cdc42ep2		
Chtf8			Cdc42ep1		
Chrn4			Cdc42bpb		
Chrn3			Cdc42bpa		
Chrna9			Cdc42		
Chpt1			Cdc27		
Chpf			Cdc14b		
Chordc1			Cdc14a		
Chn2			Cdad1		
Chmp2a			Cd97		
Chmp1b			Cd81		
Chka			Cd74		
Chfr			Cd34		
Chek2			Cd320		
Chdh			Cd300lf		
Chd6			Cd300lb		
Chd5			Cd2ap		
Chd2			Cd276		
Cggbp1			Cd244		
Cflar			Cd164		
Cfdp1			Cct8		
Cetn3			Cct6a		
Cep95			Cct4		
Cep63			Ccr7		
Cep5711			Ccn11		
Cep120			Ccng2		
Cep112			Ccl4		
Cenpu			Ccl26		
Celf1			Ccl2		
Cebpb			Ccdc97		
Cdv3			Ccdc92		
Cdkn2aip			Ccdc80		
Cdkn1b			Ccdc69		
Cdkn1a			Ccdc68		
Cdk13			Ccdc63		
Cdk10			Ccdc62		
Cdk1			Ccdc51		
Cdh6			Ccdc41		
Cdh2			Ccdc181		
Cdh11			Ccdc173		
Cdh1			Ccdc17		
Cdca2			Ccdc169		
Cdc5l			Ccdc153		
Cdc42se2			Ccdc112		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Ccdc104			Btbd9		
Cbln1			Bsn		
Cblb			Brinp1		
Cbfa2t3			Bri3		
Casq1			Brf2		
Casp8ap2			Brdt		
Casp8			Brd2		
Casp3			Bpifc		
Casc3			Bok		
Carm1			Bnc2		
Carhsp1			Bmpr1a		
Car11			Bmf		
Capn2			Bloc1s1		
Capg			Birc3		
Canx			Bin1		
Cand1			Bicd2		
Camta1			Bicd1		
Camsap3			Bhlha15		
Camkk2			Bglap		
Camkk1			Bcl6		
Camk4			Bcl2a1		
Camk1g			Bccip		
Calr3			Bcar3		
Calr			Bbs4		
Calml3			Baz1b		
Calm2			Banp		
Calm1			Bambi		
Calcr1			Bak1		
Cadm3			Baiap2l1		
Cadm2			Baiap2		
Cacybp			Bag6		
Cacng4			Bad		
Cacng2			Bace1		
Cacng1			B9d1		
Cacnb4			B4galt7		
Cacnb2			B3galnt2		
Cabp1			Azin1		
C1qtnf7			Azgp1		
C1qtnf4			Aurkb		
C1ql3			Auh		
Bves			Atxn1		
Bud13			Atraid		
Btla			Atp8b1		
Btg1			Atp6v1h		
Btd			Atp6v1b2		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Atp6v0e2			Arhgef39		
Atp6v0d1			Arhgef12		
Atp6v0a1			Arhgdia		
Atp5o			Arhgap39		
Atp5g1			Arhgap31		
Atp5a1			Arhgap26		
Atp2c1			Arhgap12		
Atp2a2			Arhgap10		
Atp13a3			Arfgap2		
Atp12a			Arf1		
Atp11a			Arc		
Atm			Aqp2		
Atg7			App		
Atg2a			Apobec2		
Atg14			Aplnr		
Atg12			Aplf		
Atf4			Apip		
Atad3a			Aph1b		
Asmtl			Apc		
Asgr2			Apbb1ip		
Asgr1			Apaf1		
Asf1a			Ap5z1		
Ascc3			Ap3s1		
Ascc1			Ap2b1		
Asb12			Anxa8		
Asah1			Anxa10		
Arsi			Ano4		
Arsg			Anks1a		
Arse			Ankrd17		
Arrb2			Ankrd13a		
Arpp19			Ank3		
Arpc5			Angptl2		
Arpc3			Andpro		
Arpc1b			Anapc5		
Armc8			Amz2		
Armc12			Amph		
Arl6ip6			Amotl2		
Arl6ip4			Amdhd2		
Arl4d			Amd1		
Arl2bp			Amacr		
Arih1			Als2cr11		
Arid5a			Als2		
Arid4b			Aloxe3		
Arid3b			Alox5ap		
Arhgef40			Alox5		

<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>	<u>Egr2-specific</u>	<u>Myrf-specific</u>	<u>Both</u> <u>Egr2/Myrf</u>
Alkbh5			Actr1b		
Alkbh2			Actg1		
Aldh9a1			Acss2		
Aldh1a2			Acsl3		
Alcam			Acsl1		
Aktip			Acpl2		
Akr1c14			Acot13		
Akr1c13			Acnat2		
Akr1a1			Acly		
Akap7			Acin1		
Akap2			Acbd5		
Akap12			Acap2		
Akap11			Acaca		
Ajuba			Acaa2		
Ahnak			Acaa1a		
Afap1			Abtb1		
Adtrp			Abt1		
Adss			Ablim3		
Adsl			Abi1		
Adra1a			Abhd8		
Adprm			Abhd5		
Adprh			Abhd3		
Adora2a			Abhd2		
Adora1			Abhd16b		
Ado			Abhd13		
Adh5			Abcf3		
Add1			Abcd2		
Adcy8			Abcc12		
Adcy2			Abcc1		
Adck2			Abcb9		
Adap1			Abca5		
Adamts9			Aanat		
Adamts7			Aamdc		
Adamts5			Aaed1		
Adamts3			Aacs		
Adamts19			Aaas		
Adamts18					
Adam2					
Adam1a					
Adam19					
Adam17					
Acy1					
Actrt2					
Actr3					
Actr2					

Supplementary Table 2 Gene ontology (GO) terms clustering and Kegg pathway analysis on Egr2/Myrf shared target genes.

Supplementary Figure 2												
Top 5 Kegg pathways												
Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total	Fold Enrichm	Bonferroni	Benjamini	FDR
GOTERM_BP	GO:0007242~intracellular signaling cascade	30	11.4942529	3.80E-05	RAB5B, STK1	172	925	12092	2.28007542	0.05825737	0.05825737	0.06356805
GOTERM_CC	GO:0042995~cell projection	25	9.57854406	5.00E-05	ACTB, CPLX2	149	727	10776	2.48700645	0.0125131	0.0125131	0.06497406
SP_PIR_KEYV	phosphoprotein	77	29.5019157	1.43E-04	SEPT3, NRP1,	159	3047	8979	1.42708262	0.03369907	0.03369907	0.18483981
KEGG_PATHV	mo04062:Chemokine signaling pathway	10	3.83141762	8.17E-04	GNB2, ROCK	83	171	5590	3.93856126	0.07996737	0.07996737	0.90619871
GOTERM_CC	GO:0043005~neuron projection	16	6.1302682	9.51E-04	ACTB, P2RX4	149	436	10776	2.65402377	0.21321749	0.11299238	1.23014142
Top 5 groups from GO analysis												
Annotation C Enrichment Score: 2.1844614741973567												
Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total	Fold Enrichm	Bonferroni	Benjamini	FDR
SP_PIR_KEYV	sh3 domain	8	3.0651341	0.00390394	CTTN, NCF1,	159	114	8979	3.96292618	0.60736254	0.26774236	4.92036221
INTERPRO	IPR001452:Src homology-3 domain	8	3.0651341	0.0049586	CTTN, NCF1,	167	129	10240	3.8026273	0.86171403	0.62813178	6.69386215
SMART	SM00326:SH3	8	3.0651341	0.01444618	CTTN, NCF1,	103	129	5083	3.06043501	0.76663565	0.516922	14.914421
Annotation C Enrichment Score: 1.775356190620437												
Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total	Fold Enrichm	Bonferroni	Benjamini	FDR
GOTERM_BP	GO:0042981~regulation of apoptosis	18	6.89655172	0.01531652	NACC1, PTPR	172	677	12092	1.86919034	1	0.70412656	22.742865
GOTERM_BP	GO:0043067~regulation of programmed cell death	18	6.89655172	0.0172206	NACC1, PTPR	172	686	12092	1.84466744	1	0.69631797	25.2026954
GOTERM_BP	GO:0010941~regulation of cell death	18	6.89655172	0.01789465	NACC1, PTPR	172	689	12092	1.8366355	1	0.69493417	26.0556923
Annotation C Enrichment Score: 1.5286986183829283												
Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total	Fold Enrichm	Bonferroni	Benjamini	FDR
GOTERM_BP	GO:0007409~axonogenesis	8	3.0651341	0.0165401	ACTB, KLF7, F	172	186	12092	3.02375594	1	0.69768836	24.3321539
GOTERM_BP	GO:0048667~cell morphogenesis involved in neuron differentiation	8	3.0651341	0.02776111	ACTB, KLF7, F	172	207	12092	2.71699809	1	0.68936004	37.5405405
GOTERM_BP	GO:0000904~cell morphogenesis involved in differentiation	8	3.0651341	0.05648451	ACTB, KLF7, F	172	242	12092	2.32404382	1	0.7509581	62.1667406
Annotation C Enrichment Score: 1.5210706418989368												
Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total	Fold Enrichm	Bonferroni	Benjamini	FDR
GOTERM_BP	GO:0045671~negative regulation of osteoclast differentiation	3	1.14942529	0.00670533	TNFRSF11B, T	172	9	12092	23.4341085	0.9999755	0.73474933	10.6377647
GOTERM_BP	GO:0002762~negative regulation of myeloid leukocyte differentiat	3	1.14942529	0.01618209	TNFRSF11B, T	172	14	12092	15.0647841	1	0.70651087	23.8703616
GOTERM_BP	GO:0045638~negative regulation of myeloid cell differentiation	3	1.14942529	0.04477186	TNFRSF11B, T	172	24	12092	8.7877907	1	0.72492775	53.5007532
GOTERM_BP	GO:0045670~regulation of osteoclast differentiation	3	1.14942529	0.04477186	TNFRSF11B, T	172	24	12092	8.7877907	1	0.72492775	53.5007532
GOTERM_BP	GO:0002761~regulation of myeloid leukocyte differentiation	3	1.14942529	0.11407275	TNFRSF11B, T	172	41	12092	5.1440726	1	0.80476927	86.7979586
Annotation C Enrichment Score: 1.5145134818598016												
Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total	Fold Enrichm	Bonferroni	Benjamini	FDR
GOTERM_BP	GO:0048812~neuron projection morphogenesis	9	3.44827586	0.01138426	ACTB, KLF7, F	172	215	12092	2.94288805	0.99999999	0.75087488	17.4201849
GOTERM_BP	GO:0048858~cell projection morphogenesis	9	3.44827586	0.01986177	ACTB, KLF7, F	172	238	12092	2.6584913	1	0.71812517	28.4930471
GOTERM_BP	GO:0032990~cell part morphogenesis	9	3.44827586	0.02468372	ACTB, KLF7, F	172	248	12092	2.55129407	1	0.69733919	34.1520405
GOTERM_BP	GO:0031175~neuron projection development	9	3.44827586	0.04019752	ACTB, KLF7, F	172	273	12092	2.31765909	1	0.71206916	49.6348526
GOTERM_BP	GO:0048666~neuron development	9	3.44827586	0.11926141	ACTB, KLF7, F	172	347	12092	1.82340326	1	0.80132926	88.0327361

Supplementary Table 3 Shared Egr2/Myrf target genes that are Egr2-dependent.

<u>direction</u>	<u>Fold</u> <u>change</u>	<u>logFC</u>	<u>Gene</u>	<u>direction</u>	<u>Fold</u> <u>change</u>	<u>logFC</u>	<u>Gene</u>
up	2.755	1.462	Ctnn	down	0.696	-0.524	Cdk2ap1
up	2.300	1.202	Map4k4	down	0.694	-0.528	Mag
up	2.065	1.046	Ncl	down	0.691	-0.533	Ndfip2
up	1.926	0.946	P2rx4	down	0.688	-0.540	Klf9
up	1.817	0.861	Ctnn	down	0.686	-0.543	Scarb1
up	1.782	0.834	Morf4l2	down	0.673	-0.572	Nfix
up	1.759	0.814	Cnot6	down	0.669	-0.581	Mbp
up	1.692	0.758	Ss18	down	0.667	-0.584	Gsn
up	1.685	0.753	Fem1b	down	0.660	-0.599	Ahi1
up	1.676	0.745	Stard13	down	0.634	-0.657	Syt11
up	1.676	0.745	Ctnn	down	0.633	-0.659	Gsn
up	1.666	0.736	Syncrip	down	0.630	-0.668	Mbp
up	1.640	0.714	Gnb2	down	0.627	-0.673	Nfix
up	1.636	0.710	Sppl2b	down	0.618	-0.695	Rpia
up	1.609	0.687	Morf4l2	down	0.614	-0.703	Pim3
up	1.567	0.648	P2rx4	down	0.612	-0.709	Klf9
up	1.483	0.569	Sox10	down	0.610	-0.713	Nek9
up	1.472	0.558	Ubl3	down	0.608	-0.717	Cd82
up	1.462	0.548	Ninj1	down	0.607	-0.721	Gsn
up	1.432	0.518	Sec11c	down	0.575	-0.799	Fam129b
up	1.426	0.512	Ict1	down	0.570	-0.812	Cyp7b1
up	1.342	0.425	Ddx1	down	0.560	-0.835	Thra
up	1.303	0.382	Actb	down	0.557	-0.844	Nfix
up	1.294	0.372	Psmb4	down	0.543	-0.881	Klf9
up	1.290	0.368	Wdr5	down	0.542	-0.884	Syt11
up	1.289	0.366	Foxo3	down	0.533	-0.907	Nfic
up	1.283	0.360	Myo18a	down	0.527	-0.925	Gpd1
up	1.265	0.340	Stx8	down	0.515	-0.958	Limch1
up	1.261	0.334	Cnot6	down	0.504	-0.989	Gsn
down	0.799	-0.323	Adam15	down	0.504	-0.990	Pink1
down	0.782	-0.355	St3gal3	down	0.489	-1.033	Psmf1
down	0.781	-0.356	Cyp7b1	down	0.472	-1.083	Ptprf
down	0.775	-0.367	Uqcr10	down	0.472	-1.083	Ptprf
down	0.775	-0.368	Ptprf	down	0.455	-1.137	Cmtm6
down	0.763	-0.390	Limd1	down	0.439	-1.188	Gpd1
down	0.756	-0.403	Clic4	down	0.428	-1.225	Mbp
down	0.737	-0.440	Vamp3	down	0.427	-1.226	Cmtm6
down	0.719	-0.475	Ptpn11	down	0.423	-1.242	Limch1
down	0.718	-0.477	Abca2	down	0.418	-1.258	Olfml2b
down	0.715	-0.485	Klf9	down	0.403	-1.312	Tmcc3
down	0.713	-0.488	Kcna1	down	0.403	-1.312	Tmcc3
down	0.698	-0.520	Lgals8	down	0.396	-1.338	Pik3r1
down	0.697	-0.520	Zfyve21	down	0.389	-1.361	Mprip
				down	0.374	-1.420	Mbp
				down	0.342	-1.550	St6gal1
				down	0.322	-1.635	Dusp15
				down	0.322	-1.637	Mbp

<u>direction</u>	<u>Fold</u> <u>change</u>	<u>logFC</u>	<u>Gene</u>
down	0.292	-1.777	Tmem189
down	0.263	-1.925	Mbp
down	0.248	-2.012	Fa2h
down	0.226	-2.146	Mbp
down	0.219	-2.194	St6gal1
down	0.207	-2.273	Fgf1
down	0.138	-2.855	Fgf1