

Table 2a. Unique gene set for C/EBP β -
3T3^{RasV12} vs. 3T3Ras^{V12}. (547 genes)

GeneSymbol

1100001G20Rik
1110008P14Rik
1700012D01Rik
1700026D08Rik
1810032O08Rik
1810033B17Rik
2010004M13Rik
2010005H15Rik
2010107H07Rik
2310005G13Rik
2400009B08Rik
2410006H16Rik
2500002B13Rik
2610305J24Rik
2700007P21Rik
2700038G22Rik
2810474O19Rik
3110027N22Rik
3110039M20Rik
3110082D06Rik
4930420K17Rik
4930519F16Rik
4930525G20Rik
5730469M10Rik
5730508B09Rik
6330409N04Rik
6330415G19Rik
6330416G13Rik
9030619P08Rik
9130204L05Rik
9530053H05Rik
A630033H20Rik
A930007D18Rik
Abcc1
Abcd2
Abhd5
Acad11
Acs11
Acs14
Adam12
Adamts5
Adh7

Ahr
AI043046
AI503316
AI607873
Aicda
Ak2
Akr1c21
Aldh3a1
Alox5ap
Amigo2
Amn1
Angpt1
Ankra2
Ankrd1
Antxr1
Anxa3
Aox1
Ap1s2
Apbb3
Aplp2
Apobr
App
Arhgap29
Arhgef6
Arid5b
Arl5b
Arnt2
Atg12
Atp10d
Atp11b
Atp1a3
Atp1b1
Atp6v0a1
Atp7a
Atp8b4
AW987390
B230217C12Rik
Baz2b
BC013529
BC022960
BC023829
BC024659
BC026600
Bcl2l11
Bdkrb1
Bmper
Bmpr1a

Bnip3l
Brp44
Bst1
Btg2
Btla
C730049O14Rik
Cacna2d1
Cacna2d3
Calcr1
Car2
Car6
Casp1
Ccdc19
Ccdc58
Ccdc80
Ccnd2
Ccng2
Ccno
Ccrn4l
Cd1d1
Cd24a
Cd302
Cd33
Cdadc1
Cdc42ep3
Cdh11
Cdh17
Cdkn2c
Celsr1
Cept1
Cerk
Chac1
Chi3l1
Chst12
Clec4e
Col12a1
Col18a1
Col3a1
Col4a1
Col5a1
Col5a2
Col5a3
Col7a1
Col8a1
Colec12
Cox8c
Cpeb3

Cpeb4
Cpne8
Crispld1
Cry2
Csprs
Cstb
Ctgf
Cth
Ctsk
Cxcl10
Cyp1b1
Cyp26b1
D16Ertd472e
Dact1
Dbc1
Dcbld1
Dcbld2
Ddah1
Ddit4
Ddx18
Degs1
Dgat1
Dgat2
Dhrs1
Dio2
Dmrtc1a
Dnajb9
Dnmt3a
Dnmt3l
Dpep1
Dppa2
Dram2
Dsel
Dtx4
Dusp16
E030016H06Rik
E230013L22Rik
Ear11
Ear2
Ear3
Egfr
Egr1
Egr2
Elavl1
Emilin2
Epgn
Ets2

Ext1
F3
F5
F7
Fabp5
Fabp7
Fam107b
Fam110c
Fam161a
Fam162a
Fam5c
Fat4
Fbxl20
Fbxl5
Fbxo32
Fchsd2
Fetub
Fgf10
Fgf2
Filip1l
Flrt2
Fn1
Fndc3b
Fos
Fosl2
Foxo3
Foxp1
Frrs1
Fst
Fstl1
Fzd7
Gabarapl1
Gadd45a
Galnt13
Gcnt2
Gjb4
Glipr2
Gm14005
Gm3715
Gm4354
Gnb5
Gng12
Gng8
Gnptab
Gopc
Gpcpd1
Gpr153

Gpr155
Gpr176
Gpr35
Gpr84
Gramd3
Grem2
Grhl1
Grina
Gzf1
H2afj
H47
H60c
H6pd
Hao1
Has2
Haus2
Hbegf
Hbp1
Hectd2
Hgf
Hipk2
Hist1h1c
Hist1h2bc
Hist1h2bp
Hist1h4h
Hist2h2bb
Hist2h3c1
Hmg20a
Hnrnpa1
Hsd11b1
Id3
Id4
Ifi202b
Ifi204
Ifnar2
Ifrd1
Iglv1
Il10rb
Il12b
Il13ra1
Il1b
Il1rl2
Il33
Inhba
Ipmk
Ism1
Itfg3

Itga8
Itgb2
Itgb5
Itgb8
Kazald1
Kcnk10
Kdm5a
Klf6
Klf7
Klf9
Klhl24
Klk6
Krt23
Lamp2
Lass6
Lce3a
Lce3c
Lcp2
Lef1
Lgals9
Lhfp12
Lmo4
LOC664787
Lpcat3
Lpgat1
Lphn2
Lrrc57
Lrrk2
Ltbp2
Ly75
Lyst
Mab21l1
Mansc1
Map3k5
Mapk8ip3
Mar7
Mark1
Mcf2l
Me1
Mep1a
Metrnl
Mfap3l
Mfap5
Mir17hg
Mllt11
Mlxip
Mmp19

Mmp2
Mospd1
Mrap
Mreg
Mst1
Mt4
Mtap6
Mtap9
Mtm1
Mtpn
Mxd4
Myc
Myl4
Mylk
Myo1b
Naaa
Naip2
Naip5
Napb
Ncf4
Nedd9
Neu2
Nfil3
Niacr1
Nid1
Nnmt
Nol4
Npc2
Nppb
Nrg1
Nts
Nuak1
Nudt6
Nus1
Oit3
P2rx7
Pak3
Panx3
Pard3
Pbx1
Pcx
Pcdcd4
Pde4d
Pde6h
Pdgfrl
Per2
Pfkfb4

Pfkp
Phyh
Pi15
Pi16
Pik3r5
Pim3
Pip5k1a
Pitpnc1
Pla1a
Pla2g4a
Plaur
Plice1
Pld1
Pld4
Plekhg1
Por
Ppap2a
Ppp1r15a
Prdx5
Prkcd
Prkd1
Prkx
Prl3d1
Prl7b1
Pros1
Prrx1
Prss12
Ptgir
Ptplb
Ptpn5
Pvr
Rab38
Rab3c
Rabgap1l
Ralgapa2
Rap1gap2
Rassf1
Rassf3
Rbm12b
Rbm3
Rbpms
Rdh11
Rdh12
Rel
Retn
Retnla
Retnlb

Rffl
Rhbf2
Ripk2
Rnase4
Rnd3
Rnf125
Rnf149
Rnf182
Rras
Rrbp1
Rtn4
Runx1t1
S100a13
S100a16
S100a9
S1pr1
Samsn1
Sash1
Sdc4
Sema4a
Serf1
Serpina1a
Serpib1a
Serpib1b
Serpine1
Serpini1
Sgms1
Sh3bp5
Siglecg
Skil
Slc10a6
Slc11a1
Slc12a2
Slc16a9
Slc20a1
Slc23a2
Slc24a1
Slc2a6
Slc35b2
Slc39a6
Slc3a2
Slc4a4
Slc7a11
Slc7a7
Sfn1
Sfn4
Smad6

Smox
Snord104
Snord89
Sntb2
Snx14
Snx18
Snx7
Socs2
Sod2
Sorbs1
Spata9
Sphk1
Spin4
Sprr1a
Sprr1b
Sprr2i
Sprr2j-ps
Sprr2k
Spry1
Spry3
Spry4
Sptlc2
Spty2d1
Srgap3
Srgn
Ssbp2
Stambpl1
Stard5
Stat3
Stc1
Stfa3
Stk38l
Stra6
Sulf2
Svep1
Taf7
Tbx18
Tcam1
Tcp11l2
Thbs1
Thbs2
Tiam1
Timp1
Tlr4
Tlr7
Tm4sf1
Tmem106b

Tmem119
Tmem170b
Tmem45a
Tmem53
Tmem63a
Tmem86a
Tmem87b
Tmigd1
Tmx4
Tnc
Tnfaip8
Tns4
Tob1
Traf3ip2
Trib2
Trim11
Trp53inp2
Ttc39b
Tubb2a
Uba5
Ugp2
Vcan
Vsig8
Wdr45
Xpnpep2
Xpr1
Ypel2
Zbtb34
Zeb2
Zfp281
Zfp287
Zfp697
Znrf1
Zranb3
Zswim6

Table 2b. Unique gene set for *Cebpg*^{-/-} vs.
WT – MEFs. (328 genes)

GeneSymbol

1110020G09Rik
1700007K13Rik
1700008J07Rik
2010204K13Rik
2200002D01Rik
2310002L13Rik
2410076I21Rik
2810432L12Rik
4833427G06Rik
4930506M07Rik
5031425E22Rik
5430435G22Rik
9030624J02Rik
9230114K14Rik
A830007P12Rik
Adam8
Adrb2
Adssl1
Afp
Ahrr
A1662270
Akap1
Angptl4
Ankrd24
Ankrd28
Ankrd37
Ano1
Ano3
Anxa8
Apod
ApoE
Aqp1
Arap2
Areg
Arf6
Atp6v1b2
B230118H07Rik
Baiap211
BC022687
Bdnf
Bex1
Blvrb

Bscl2
Btbd11
C3ar1
Cadm1
Camk1d
Car13
Ccdc93
Ccl5
Ccl6
Ccl9
Ccnd1
Ccny
Cd200r1
Cd274
Cd300lb
Cd48
Cd55
Cd68
Cd84
Cdh2
Cdkn1a
Cflar
Cgref1
Clec4n
Clec7a
Clip4
Cln3
Cobll1
Coch
Col2a1
Copg2
Cotl1
Cpeb2
Cpt1a
Crip2
Cryab
Cst6
Ctnnal1
Ctsb
Ctsf
Ctsh
Cxcr7
Cyp2j6
D6Mm5e
Dab2
Dcaf4
Dctn4

Dcxr
Ddit4l
Ddx6
Def6
Dennd2c
Dlx2
Dnajc12
Dnase1l1
Dock10
Dusp10
Dusp4
Dyrk3
Ebi3
Egln3
Elovl4
Enpp2
Epas1
Epha2
Epha7
Eps8
Erc2
Erdr1
Errfi1
Esd
Evi2a
Fam19a5
Fam49a
Fam65b
Fbxo33
Fcgr2b
Fcgr3
Fcgr4
Fermt3
Fgd4
Fgf5
Fgfbp3
Flt4
Fnip2
Fosl1
Foxg1
Fpr1
Frmd4b
Frzb
Fth1
Fxyd5
Galc
Galm

Gap43
Gas7
Gch1
Gclm
Ggct
Gm5124
Gpr1
Gpr149
Gprc5a
Gprc5b
Grk5
Gss
Gstm1
Gzmd
Havcr2
Hebp1
Hfe
Hgsnat
Hk3
Hmga2
Hmga2-ps1
Hpgds
Hsd17b11
Hsd3b7
Hspa1a
Hspa1b
Hspa4l
Ica1l
Icam1
Ifi30
Ifit2
Ifit3
Ifitm6
Igsf6
Ikbkg
Itga6
Jun
Kcna1
Kcnj15
Kcnn4
Kdsr
Kitl
Klf10
Klf2
Klf4
Klf5
Klhdc5

Klhl21
Krt20
Ldhb
Lgals3
Lipa
Lipg
Lpxn
Lrp11
Lrrc28
Lrrc33
Lrrc51
Mafb
Marco
Mbp
Mertk
Mettl7a1
Mff
Mgat5
Mgst3
Mitf
Mllt3
Mmd
Mpzl2
Mrc1
Ms4a6b
Msr1
Msx2
Mt1
Mtmr10
Myo1f
Ncam1
Nceh1
Nckap1l
Ndrg1
Nek3
Neu1
Ngf
Ngfr
Nipal1
Npnt
Nptx1
Nqo1
Nrcam
Nt5e
Nudt12
Ogfrl1
Orai2

Parvb
Pbp2
Pcdh20
Pcdh7
Pcdh9
Pcmtd2
Perp
Pf4
Pfn2
Pgd
Pid1
Plp1
Plxnc1
Polk
Ppap2b
Ppap2c
Ppp1r3c
Prkar2b
Prl3a1
Pspc1
Ptp4a3
Ptprn22
Ptpr
Pycard
Ramp3
Rassf6
Repin1
Rev1
Rgnef
Rgs17
Rps6ka6
Sap30
Sdcbp2
Sdpr
Sema4f
Sema7a
Serpinb9b
Sertad1
Sh3bgrl2
Sh3bp2
Slc19a2
Slc1a6
Slc30a1
Slc37a2
Slc40a1
Smpdl3a
Smyd4

Sncg
Sord
Sox2
Srxn1
St3gal6
St8sia4
Star
Stmn2
Suox
Swap70
Taldo1
Tatdn2
Tbc1d2
Tbc1d24
Tead4
Thyn1
Tinagl1
Tle4
Tlr13
Tlr3
Tmcc3
Tmem106a
Tmem140
Tmem14a
Tmem200a
Tmem37
Tmem74
Tnfrsf10b
Tnfrsf21
Tnfsf9
Tpd52
Trim30a
Tuba4a
Txnrd1
Uap1l1
Ugdh
Unc5c
Upp1
Vapb
Wdr91
Wfdc2
Zdhhc14
Zdhhc24
Zfand2a
Zfp248
Zfp365
Zfp52

Zfp874a
Zfp93
Znr1as
Znr2

Table 2c. Unique gene set for *Cebpb*^{-/-} /Ras^{V12}
vs. Ras^{V12} – MEFs. (233 genes)

GeneSymbol

1110028C15Rik
1810012P15Rik
2010107G23Rik
4930583H14Rik
5730559C18Rik
6720401G13Rik
8030451A03Rik
9130208D14Rik
A330021E22Rik
A630038E17Rik
Abtb2
Acot1
Acot2
Acot4
A1504432
A1845619
Akap17b
Amotl2
Amz1
Apln
Aplp1
Aqp3
Arg2
Arhgap12
Arhgef3
Arl4c
Arntl2
Asb5
Atad1
Atf5
Atg16l2
Atl1
Atp13a4
Atp8a1
Atp9a
Bcl3
Bin1
Btn1a1
C1ra
C1s
C76876
C77370

Cbr2
Ccl20
Cd40
Cd82
Cdc42bpg
Cdk18
Cdk2ap2
Cdkn1c
Cebpd
Cfh
Cgnl1
Ch25h
Chchd10
Chrna7
Clca1
Cldn3
Cldn4
Cndp2
Cpa4
Cpped1
Cxadr
Cyp2f2
D4Wsu53e
D7Erttd715e
Dach2
Ddb2
Ddhd1
Ddx3y
Dhrs7
Dnase2a
Dpy19l1
Dsc2
Dtnb
Dusp8
Ebf4
Eif2s3y
En1
Enpp5
Eomes
Epb4.1l5
Epha1
Epha4
F11r
Fam108c
Fam129a
Fhit
Fnip1

Foxred2
Gabrb1
Gba
Gchfr
Gdf15
Gdnf
Gpm6b
Gpr137b-ps
Gpr146
Gpr50
Gstk1
Gvin1
H2-D1
H2-K1
H2-L
H2-Q7
Hivep1
Ier5
Il1r2
Impact
Inadl
Irak3
Itga3
Khynyn
Kif5a
Klk7
Klk8
Lepr
Lin7a
Lonrf3
Lpcat2
Lpin2
Macrodl
Manba
Maob
Mar9
Mar9
Mcpt1
Mei4
Micall2
Mllt4
Mmp9
Mn1
Ms4a4d
Mttp
Mycl1
Nedd4l

Nfib
Nfkbie
Npl
Nrp2
Ntf5
Ntn1
Nudt11
Nxt2
Oplah
Osgin2
Otud1
Ovgp1
Pabpc1
Paqr3
Pawr
Pcp4
Pcsk5
Pgf
Phf15
Pip5k1b
Pisd-ps3
Pitpnm1
Plcg2
Plxdc2
Ppip5k1
Prkaa2
Prl2a1
Prnd
Ptgs1
Ptprd
Pyhin1
Rab11fip1
Rab11fip5
Rapgef3
Rassf10
Rassf5
Rbp4
Relb
Rem2
Rpl30
Rps6ka2
Rad
Rspo3
Rspo4
Serpina3g
Shroom2
Slc11a2

Slc12a9
Slc16a2
Slc24a3
Slc25a23
Slc35f1
Slc39a8
Slc7a2
Slc9a3r1
Snca
Snhg11
Socs3
Sox7
Sp5
Spag1
Spint2
Sstr4
St14
Stap2
Steap4
Stim1
Stxbp3a
Sult4a1
Syng1
Syt7
Tchh
Tifa
Tjp1
Tmc7
Tmem144
Tmem154
Tmem176a
Tmem176b
Tmem56
Tmem8
Tspan11
Ttc30a2
Ttll7
Ttyh1
Uchl1
Ugcg
Uty
Vstm2a
Vwc2
Zfp566
Zfp599
Zfp612
Zfp658

Zfp68
Zfp7
Zfp800

Table 2d. Unique gene set common to both
C/EBP β -3T3^{RasV12} vs. 3T3^{RasV12} and *Cebpg*^{-/-}
vs. WT – MEFs. (61 genes)

GeneSymbol

2310016C08Rik

Abca1

Adk

Adora2b

Ak4

Alas1

Apobec1

Arhgdib

Arrdc3

Atf3

Atp6v0e2

Ccl3

Cd14

Cd36

Cd80

Cd93

Chst7

Csf2rb

Cyb5

Cyp4a12a

Dmxl2

Glul

Gm11428

Gsto2

Hist2h3c2-ps

Id1

Lpl

Lyz2

Mapkapk3

Masp1

Mdm2

Mmp3

Nrn1

Obfc2a

Pex11a

Pfkfb3

Pparg

Ppbp

Ppm1h

Prg4

Procr

Ptgr1
Rab30
Rgs16
Rgs2
Rps6ka5
Rsb1
Sat1
Selp
Serp1b2
Serp1e2
Slc2a1
Slc2a3
Slc43a2
Slco2a1
Styk1
Thsd7a
Tiparp
Tmem30a
Trem2
Trp53inp1

Table 2e. Unique gene set common to both
C/EBPβ-3T3^{RasV12} vs. 3T3^{RasV12} and *Cebpb*^{-/-}/Ras^{V12}
vs. Ras^{V12} – MEFs. (106 genes)

GeneSymbol

1190003J15Rik
9930013L23Rik
A130040M12Rik
Abcb1a
Acpp
Aim2
Akr1b3
Akr1c18
Arrdc4
Bcl2l15
Bdkrb2
Bid
Bmp2k
C3
Camp
Casp4
Cck
Ccl11
Ccl7
Ccr1
Cd47
Cebpb
Cp
Csf2
Csf3
Cxcl2
Cyr61
Ddit3
Dock4
Dram1
Dst
Eil2
Ern1
Fabp4
Fah
Fam82a1
Fas
Fgfr1op
Fzd1
Gadd45b
Gbe1

Gdpd1
Hp
Ikbke
Il13ra2
Il18rap
Il1a
Il1rap
Il6
Irg1
Ivl
Junb
Klra2
Lce1i
Lce3f
Lcn2
Lif
Lox
Lyz1
Maff
Map3k8
Mmp8
Nfkbiz
Odc1
Olr1
Osmr
P2rx4
Pde4b
Pim1
Pion
Plk2
Prdx6
Prl8a9
Ptger2
Ptprk
Ptx3
Pvrl2
Raph1
Rnf11
S100a8
Sbno2
Serpinb9g
Slc25a37
Slco3a1
Slfn2
Slit2
Slit3
Slpi

Sod3
Sprr2h
Steap1
Steap2
Stom
Tcfec
Tmem38b
Tnfaip3
Tnip1
Ttc39c
Txnip
Vcam1
Vegfc
Vgl3
Wdyhv1
Xdh
Zc3h12a
Zfpm2

Table 2f. Unique gene set common to both *Cebpb*^{-/-}
/Ras^{V12} vs. Ras^{V12} (MEFs) and *Cebpg*^{-/-} vs. WT
(MEFs). (48 genes)

GeneSymbol

2610019F03Rik

Abcb1b

Abcc4

Abcg1

Aif1l

Amot

Bnip3

Cbr3

Cd53

Celf4

Cpeb1

Creg1

Csf1

Cxcl16

Cxcl3

Dpp7

E030030I06Rik

Ero1l

Fmn2

Gpnmb

Gpr137b

Gpr64

Gsta4

Gzme

Hspa8

Il11

Lats2

Lce1h

Lmbrd1

Lrrc8d

Mapk13

Mmp12

Nap1l2

Pdk1

Penk

Rasgrp3

Rnd1

Rragd

Sema3e

Slc48a1

Slco4a1

Sorbs2

Stx3

Syt13

Syt17

Trf

Tslp

Zic1

Table 2g. Unique gene set common to C/EBP β -3T3^{RasV12} vs. 3T3^{RasV12} and *Cebpg*^{-/-} vs. WT (MEFs) and *Cebpb*^{-/-}/Ras^{V12} vs. Ras^{V12} (MEFs). (47 genes)

GeneSymbol

Adm
Ampd3
Ass1
Ccl2
Cited2
Clec4d
Crct1
Cxcl1
Cxcl5
Dtwd1
Ereg
Fam134b
Fgf7
Gda
Gla
Glrx
Hmox1
Ier3
Il1r1
Malat1
Mcpt8
Mgst1
Mmp10
Mmp13
Mocos
Mt2
Neat1
Nfkbia
Pdk4
Pdpn
Plcx2
Plek
Plin2
Ptges
Ptgs2
Rab20
Rab32
Rnasel
Saa3
Sbsn

Sema3c
Sepp1
Serinc3
Sqrnl
Thbd
Tlr2
U90926