

**Supplementary Table S1** Primers for qPCR.

gene	NM ID	Forward	Reverse	Length (bp)
<i>Map3k7</i>	NM_009316	5'-AGTATGTCTTGATG GAATA-3'	5'-GTGTAGTAAGGCA ATGGT-3'	81
<i>Mapk14</i>	NM_001168514	5'-TGTTCTGTCTATCTCA CTTC-3'	5'-GAGGCACTTGAAT GGTAT-3'	75
<i>Atf2</i>	NM_001025093	5'-GGCGTTCAAGCAGGA TTC -3'	5'- TGACACTGAGACCAT AGCAATA -3'	106
<i>Pparg</i>	NM_001127330	5'- GCATCAGGCTTCCACTAT -3'	5'- CTTCAATCGGATGGTT CTTC -3'	75

*Map3k7*: mitogen-activated protein kinase kinase kinase 7; *Mapk14*: mitogen-activated protein kinase 14; *Atf2*: activating transcription factor 2; *Pparg*: peroxisome proliferator activated receptor gamma

**Supplementary Table S2** The list of differential expression miRNAs identified in RC group (fold change<2,  $P<0.05$ ).

miRNA	Fold change	P-value	Mature sequence
<b>Upregulated miRNAs</b>			
mmu-miR-25-5p	2.64	$1.28 \times 10^{-3}$	AGGCGGAGACUUGGGCAAUUGC
mmu-miR-291b-5p	2.80	$1.67 \times 10^{-2}$	GAUCAAAGUGGAGGCCCUCCUCC
mmu-miR-504-3p	2.79	$2.39 \times 10^{-5}$	AGGGAGAGCAGGGCAGGGUUUC
mmu-miR-1947-3p	3.33	$1.01 \times 10^{-3}$	GCACUGAGCUAGCUCUCCCUCC
mmu-miR-7014-5p	3.90	$1.59 \times 10^{-5}$	UUGGGUGCUGUGGAAGGGACAG
mmu-miR-7025-5p	2.18	$6.51 \times 10^{-5}$	CGUGAGCUGAAGCUGGUGGCUCCC
<b>Downregulated microRNAs</b>			
mmu-miR-149-5p	0.444	$1.72 \times 10^{-4}$	UCUGGCUCCGUGUCUUCACUCCC
mmu-miR-151-5p	0.365	$1.27 \times 10^{-6}$	UCGAGGAGCUCACAGUCUAGU
mmu-miR-324-3p	0.450	$6.36 \times 10^{-4}$	CCACUGCCCCAGGUGCUGCU
mmu-miR-338-5p	0.469	$2.17 \times 10^{-6}$	AACAAUAUCCUGGUGCUGAGUG
mmu-miR-351-5p	0.411	$5.84 \times 10^{-5}$	UCCCUGAGGAGCCCUUUGAGCCUG
mmu-miR-181b-5p	0.342	$2.78 \times 10^{-5}$	AACAUUCAUUGCUGUCGGUGGGU
mmu-miR-125b-1-3p	0.403	$2.44 \times 10^{-5}$	ACGGGUUAGGCUCUUGGGAGCU
mmu-miR-674-5p	0.247	$8.68 \times 10^{-6}$	GCACUGAGAUGGGAGUGGUGUA

**Supplementary Table S3** Validated miRNA target for the miRNAs differentially expressed in RC group, compared with CC group.

miRNA	regulation	Target genes
mmu-miR-149-5p	down	<i>Macf1, Acvr1b, Adsl, Aicda, Akt1, Aldoc, Atg5, Arc, Astn1, Atp2a2, Slc7a1, Atrn, Bach1, Fabp7, Calr, Camk2g, Capns1, Ctnnd1, Cbln1, Cbx1, Cbx5, Entpd6, Tpp1, CpoX, Crkl, Cxadr, Ddx3x, Dgcr2, Dok1, Efna5, Epb4.1l1, Epha4, Ephb3, F3, Fem1b, Fkbp1b, Lpin1, Fnbp1, Fut9, Gab1, Gabrb2, Gnao1, Gng7, Gpc1, Pigq, Gria1, Grm1, Gtf2i, Hnrnpa1, Hspg2, Htr5a, Ifngr2, Igfbp5, Ikbkg, Irak1, Il1rap, Il5ra, Il6st, Inpp5b, Itpa, Itsn1, Kcnc1, Kcnj10, Kcnj16, Kcnj3, Kif1b, Kifap3, Kit, Lfn g, Lhx1, Smad7, Mbp, Mdm4, Mecp2, Mmp15, Myo10, Nedd4, Nf1, Nfia, Nfix, Nptx1, Nrp2, Ntrk2, Pafah1b2, Furin, Pdgfrb, Pea15a, Per2, Phka1, Papola, Plec, Plxna2, Prkab1, Prnp, Ptgfrn, Ptpn11, Ptpn12, Ptpn4, Ptpn5, Ptprd, Rdx, Sart1, Scd2, Scn1a, Scn8a, Cxcl12, Nptn, Sema4a, 42621, Sez6, St8sia3, Slc1a1, Soat1, Sptbn2, Sdc3, Syt2, Slc6a6, Tef, Tex264, Timp3, Tspan7, Tnks, Ttc3, Ube2i, Usp10, Ugcg, Ulk1, Vamp2, Vldlr, Wdr1, Zmat3, Ybx1, Ybx1, Ywhag, Slc30a4, Mid2, Mmp17, Dazap2, Axl, Btd, Map3k7, Mapk9, Git2, Sema4g, Vat1, Cul1, Add3, Ip6k1, Nrep, Med10, Tinf2, Tomm70a, Igfbp7, Pde7b, Zfp354c, Tmod2, Uba2, Rnf24, Kcnc6, Kcnc6, Reep1, Coa3, Mettl2, Ccdc43, Sdcbp, Reck, Gria3, Map3k14, Rfx5, Rragc, Elovl2, Ywhab, Syt6, Stam2, Txnip, Adar, Mtch1, Rapgef4, Pnk d, Aldh9a1, Scamp5, Sertad2, Hic2, Ppp1r1a, Fam129a, Nrgn, Gprc5b, Tws g1, Pno1, 2010012005Rik, Slc30a7, Sppl2a, Ppp1r2, Hmg20a, Pccb, Aagab, S sbp2, Tbc1d20, Gpr89, Luc7l3, Ppap2b, Rab14, Lmbrd1, Tmem109, Slc44a2, T rp53inp2, Elovl5, 1190002N15Rik, Zdhhc3, Ubr4, Elf2, Tmem127, Antxr1, Cdk 13, Dab2ip, Emc10, Sash1, Gprc5c, Polr3f, Atad2, Ecd, Med26, Sik3, Dusp16, Tr ak2, Naa40, Foxn3, Clmp, Zfp251, Cdadc1, Fam219a, Zcchc24, Slc37a3, Brap, Mvb12b, Reep4, Tmem135, Macro d2, Ccser2, Slc22a23, Setd7, lws1, Speer4 b, Sec14l1, Dpp8, Neto2, 8430419L09Rik, Zkscan1, Ddit4, Dhcr24, Asxl2, Arl5 a, Zbtb4, Mpp7, Srrm2, Cant1, Rap2a, Paqr4, Snx27, Adck4, Bicd2, 25100390 18Rik, Nkrf, Krba1, 6030458C11Rik, Cdk19, Ttyh3, Btbd19, Rictor, Zcchc4, N4 bp1, Plekha2, Tmem2, Zkscan8, Entpd7, Csnk1a1, Klf7, Ube2n, B3galt5, Arid4 b, Slc24a3, Hecw1, Wwtr1, Fam102a, Clp1, Camta1, Bsd c1, Slc15a4, Spred3, S f3b3, Tcta, Slc6a8, Nt5dc3, Synj1, Cnot6, Lmf2, Csd c2, Stk38, Slc39a3, Unc5b, Rnf144a, Atad3a, Rcc2, Rnf169, Zzz3, Ank2, Braf, Tmbim6, Cds2, Rad51c, Pofu t1, Elmo1, Caln1, Usp48, Edem1, Bcas3, Bptf, Thsd4, BC034090, Gm608, Rsrc2 , Lpcat1, Plekhh2, Tnrc6b, BC003965, BC003965, Fbxl16, Fbxl16, Fbxl16, Fbxl1 6, Slc43a2, Hip1, Rhbdd2, Camk1g, Nav1, Nhs1, Tns4, Trib2, Nol10, 4933426 M11Rik, Mylip, Mylip, Ska3, Fam49b, Gxylt1, Dbx2, Poglut1, Rnf165, Ablim1, Rab3gap1, R3hdm1, Zbtb41, Nmnat2, Kansl3, Zer1, Prrc2b, Mapkap1, Sestd 1, Ncoa5, Syt11, Otud7b, Rsb n1, Slc6a17, Ahcyl1, Ikbkap, BC026590, Efcab14, Slc10a4, Lmtk2, Mob1a, Wnk1, Dpy19l3, Tnrc6a, Arhgef10, Gramd1b, Zfp28</i>

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*Od, Zfp445, Ago1, Osbpl8, Cdr2l, Gpr68, BC030476, BC030476, Cadm2, Fem1c, Ralgapa2, Frem2, Rgp1, Tmem8b, 2900026A02Rik, Eln1, Prickle2, Nlgn3, Fktn, Mfrp, Bahcc1, Mtmr12, Ppp2r2c, Rab6b, Adamts16, Eif5a, Snhg11, Celf5, Zfyve27, Zbtb39, Cep95, Lrrc58, Ric3, Trank1, Ipcef1, Slc35e2, Fam102b, Acot11, Opcml, Ksr2, Cog3, Nr1d2, Shisa6, Rap1gap2, 2700089E24Rik, Crtc1, Tmtc1, Flrt1, Scn4b, Zfp941, Zyg11b, Zyg11b, Adcy1, Zbtb9, Gpr17, Efr3b, Zfp605*

mmu-miR-291b-5p up

*Rab27a, Bach2, H2-Q4, Hipk3, Ogdh, Ppp2r3d, Ptprg, Mettl2, Zfp113, Cdc37l1, Ttc14, Fndc1, Grap, Cdc42se2, Asxl2, Msi2, Cd300a, Nol10, Tmem136, Mcc, Zfp866*

mmu-miR-151-5p down

*Pdpk1, Rac2, Moap1, Csrnp3, Tbl1xr1, Efcab4a, Rinl, AK010878,*

mmu-miR-324-3p down

*Abl1, Abl2, Macf1, Chrna4, Acvr1b, Adam10, Adcyap1r1, Anxa5, Ap2a2, Astn1, Atp6v1b2, Atrn, Ngfrap1, Bmpr1a, Cacna2d3, Canx, Cttnb1, Cav2, Cbfb, Cbx5, Cfl2, Clcn4-2, Clock, Col12a1, Cplx1, Crat, Dpysl2, Dnajc5, Ncan,*

*Dag1, Dgcr2, Reep5, Drd2, Dvl2, Ednra, Eif1a, Epb4.1l2, Eps15, Evi, Fem1b, Gabra1, Gabrb2, Gda, Gfap, Gja1, Gnao1, Gnb1, Gpam, Gpc1, Gpm6b, Gria2, Gsp2, Gtf2i, H2-D1, Hdac6, Tfb2m, Sdc2, Hyal1, Igf1r, Il1r1, Kif1b, Kif5c,*

*Klf9, L1cam, Lfng, Lipa, Smad3, Smad4, Mecp2, Kitl, Mmp24, Cd200, Laptm4a, Myo6, Myt1, Ncam1, Nck1, Nedd4, Nfib, Nme1, Nos1, Nup50, Ntrk2, Ocln, Igbp1, Padi2, Pfkfb2, Pik3ca, Prkcb, Ppp3r1, Prkdc, Pex19, Rab5b, Rab6a, Rela, Ralgds, Rgl1, Rit1, Rock2, Ryk, Zfp106, Skil, Slc12a2, Slc12a7, Slc31a1, Smarca4, Snn, Stag1, Syp, Syt1, Slc6a6, Tcf4, Zeb1, Tgfbr2, Tln1, Tpm2, Nr2c2, Ttc3, Ugt8a, Ulk1, Utrn, Lin7c, Nrsn1, Ywhag, Zfp148, Dmtf1, G3bp2, Mid2, Tenm4, Tpra1, Zeb2, Map2k1, Mapk14, Cln8, Vat1, Etv3, Ept1, Fam104a, Rabgap1, Fbxw7, Fbxo18, Mapk6, Dkk3, Tmod2, Reep1, Esyt2, Tmx4, Ywhab, Pcnx, Sfmbt1, Stx8, Tmem131, Syncrip, Clip1, Mtch1, Ppp1r1a, Slc4a8, Itm2c, Tsc1, Arl6ip5, Rogdi, Bola2, Lrrc57, Lix1, Riok3, Mkrn2, Ccdc25, Wdr85, Rab3c, Jam2, Bag4, Ccdc127, Slc25a46, Mettl16, Ccdc50, Rabl3, Stx17, Zmym4, Ppp6c, Mdp1, Nmb, Pdzd2, Fam135a, Lmbrd1, Rmnd5a, Tmem109, Ppm1f, Acss1, Ankrd46, Srrm4, 2810407C02Rik, Antxr1, Usp46, Acot7, Cpm, Ap2b1, March8, Ppapdc1b, Rap2c, Katnbl1, Pan3, Tmem135, Slc22a23, Psmb11, Arpp21, 4931428F04Rik, Asxl2, Ttpal, Slc24a2, Faf2, Klhdc10, Tanc2, Heg1, Hook1, Nuak1, Ttyh3, Gatsl2, Sytl2, Trps1, Zkscan8, Narg2, Pard6g, Cadm3, Wwtr1, Hadha, Usp6nl, Tm9sf4, Garnl3, Mdn1, Osbpl9, Pds5b, Nfxl1, Akap9, Maml1, Cnot6, Rnf44, Ankrd28, Fam19a5, Ankrd12, Scamp1, Chd4, Pip4k2b, Galnt7, Oxsr1, 2700081O15Rik, Zzz3, Zzz3, Zzz3, Zzz3, Ank2, Pygb, Rap1gap, Spred2, Baz2a, Pip4k2c, Caln1, Slc17a6, Hpcal4, Mtmr4, Rbm39, Cd99l2, Fam195b, Ash1l, Lrrc4, Arhgdia, Zzef1, Csrnp2, Snx30, Nudcd3, Papd7, Zfyve26, Klhl32, Rassf4, Kmt2a, Vezt, Slc43a2, F*

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*am73a,Cnksr3,Nlgn2,Cdc27,Nploc4,Mbip,4933426M11Rik,Pacs2,Mtmr6, March6,Pim3,Adcy5,Cldn25,Enpp4,Zfp521,Patl1,Ablim1,Smg7,Lpgat1,G igyf2,Ppig,Rhov,Frmd5,Ralgapb,Stx16,Syt11,Cpeb2,Fbxl18,Jazf1,Wnk1,Z fp592,Cog7,Cog7,Cog7,Whsc1l1,Psd3,Scn3b,Osbpl8,Gpatch8,Lnpep,Tor 1aip2,Fam171b,Impad1,Slc35d1,Wasf2,Rsbn1l,Gprin3,C230081A13Rik,I qsec2,Pcmtd2,Usp7,Prnt1,Gga3,Alkbh5,Zfp652,Lsamp,Rab6b,Shc4,Klhl2 3,Snhg11,Hs3st5,Rc3h2,Zmat4,Tacc1,Lrrc58,Ric3,Pptc7,Frs2,Gfod1,Zmiz 1,Zfp414,Zfp516,Myo18a,Intu,Ccnjl,Fndc5,Scn4b,Gnptab,Lrp3,Dos*

mmu-miR-338-  
5p      down

*Adam9,Bcl2l11,Cxadr,Dck,Ereg,Gfra2,Il17ra,Itga4,Plaur,Tec,Tnfrsf10b,Z eb2,Map2k7,Mplkip,Zcchc10,Rbm28,Rbm28,Hnrnpul2,Sash1,Sash1,Col2 4a1,Crebrf,Csgalnact2,Ankrd17,Ifi44,Boc,Gpkow,Fam46a,Zfp609,Pcdh2 0,Tiplr,Slc35a3,Elfn1,Ctdspl2,Cecr2,Lekr1*

mmu-miR-351-  
5p      down

*E2f3,Il1rn,Il1rn,Foxk1,Mtf1,Siah2,Stat1,Tnf,Jmy,Snrnp40,Aph1c,Antxr2,D qx1,Lars2,Wdr25,Madd,Mgat4a,Tspan12,Hif1an,Gm14137,Trim71*

mmu-miR-181b  
-5p      down

*SIX2,Aicda,Ak4,Ap1g1,Aqp3,Atp2a2,Atp5g1,Casp3,Ebf3,Gch1,Hspa5,H2- D1,Hk2,Magea5,Mxi1,Ndr1,Cd244,Rad51d,Smarca4,Spp1,Timp3,Tulp3 ,Uchl1,Ikzf2,Cbx7,Higd1a,Pdpx,Ms4a4c,Sc4mol,Nacc1,Lnp,Zfp689,Osbpl 3,Ulk3,Pitpnc1,Errfi1,4930563E22Rik,Tmem14a,Slc35d3,Fam122b,Trim2 ,Sgpp1,Clmn,Adamts9,Snx25,Pfkfb3,Itpk1,Fam160b2,Fam69c,Bnc2,Ptch d2,Stk32a,Dagla,Gpd1l,Ccdc58,Arhgef15,*

mmu-miR-125b  
-1-3p      down

*Nkx2-5,Srf,Prpf8*

mmu-miR-674-  
5p      down

*Ankfy1,Atrn,Bach2,Cflar,Cxcr2,Ccr9,Comt,Cx3cr1,Cyp2e1,Ddx3x,H2-T23,I l15ra,Irak1,Mbp,Myo1c,Naip5,Ogdh,Ogdh,Pcsk6,Pol2,Pol2,Rab33b,R bbp4,Sap18,Slc23a1,Med22,T2,Ubp1,Ywhag,Scd3,Rbm34,Banp,Tyk2,Ni p7,Rpl7l1,Polr2l,Srp72,Magt1,Ccdc25,Ppil4,Spc24,Pbld1,Dph5,Mfsd11,A rl16,Tspan15,Zfp935,Wdr89,Fam177a,Dcaf4,Asxl2,1700016D06Rik,Anks 1b,Myh10,Ypel2,Nol3,Clca2,Zfp202,Mpv17l,Loxl2,Loxl2,Commd7,Ssr1,Ce npf,Prps2,Aipl1,Bzrap1,Churc1,Cpne9,Pla2g4b,Tapbpl,Synrg,Rmi2,Tbc1d 24,Rin1,Exosc2,Tmem69,Nup133,Sh3rf3,Brip1,Slc7a14,D3Ertd254e,Slc2 2a15,Ppm1k,Ppp2r2c,A230046K03Rik,Casc4,Dennd5b,Slfn5,Lcmt2,Zyg1 1b,Mfsd2b,Zfp607,Zfp605,1700047117Rik2,AK010878,Gm10778*

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**Supplementary Table S4** DE miRNA target GO classification ( $P < 0.0001$ )

Terms	Count	Fold enrichment	P-value	catalogue
phosphorus metabolic process	81	2.02	$1.44 \times 10^{-9}$	Biology process
phosphate metabolic process	81	2.02	$1.44 \times 10^{-9}$	Biology process
phosphorylation	66	1.99	$1.23 \times 10^{-7}$	Biology process
protein amino acid phosphorylation	59	1.99	$5.92 \times 10^{-7}$	Biology process
regulation of MAP kinase activity	16	4.12	$5.94 \times 10^{-6}$	Biology process
heart development	27	2.62	$1.29 \times 10^{-5}$	Biology process
small GTPase mediated signal transduction	29	2.43	$2.34 \times 10^{-5}$	Biology process
regulation of system process	24	2.58	$5.44 \times 10^{-5}$	Biology process
intracellular signaling cascade	69	1.63	$5.87 \times 10^{-5}$	Biology process
protein kinase cascade	26	2.38	$9.38 \times 10^{-5}$	Biology process
synapse	37	2.58	$3.26 \times 10^{-7}$	Cellular components
vesicle	50	2.14	$6.37 \times 10^{-7}$	Cellular components
membrane-bounded vesicle	43	2.27	$9.38 \times 10^{-7}$	Cellular components
cell soma	20	3.80	$1.05 \times 10^{-6}$	Cellular components
insoluble fraction	50	2.10	$1.05 \times 10^{-6}$	Cellular components
cytoplasmic membrane-bounded vesicle	42	2.25	$1.62 \times 10^{-6}$	Cellular components

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membrane fraction	48	2.09	$2.14 \times 10^{-6}$	Cellular components
plasma membrane	178	1.36	$2.79 \times 10^{-6}$	Cellular components
cytoplasmic vesicle	47	2.05	$4.48 \times 10^{-6}$	Cellular components
cell fraction	52	1.94	$6.74 \times 10^{-6}$	Cellular components
synapse part	26	2.72	$9.76 \times 10^{-6}$	Cellular components
plasma membrane part	110	1.50	$9.90 \times 10^{-6}$	Cellular components
neuron projection	28	2.54	$1.51 \times 10^{-5}$	Cellular components
cell junction	42	1.98	$3.55 \times 10^{-5}$	Cellular components
protein kinase activity	54	1.97	$2.68 \times 10^{-6}$	Molecular function
cytoskeletal protein binding	39	2.01	$5.82 \times 10^{-5}$	Molecular function
ribonucleotide binding	119	1.41	$6.46 \times 10^{-5}$	Molecular function
purine ribonucleotide binding	119	1.41	$6.46 \times 10^{-5}$	Molecular function
adenyl ribonucleotide binding	100	1.46	$8.68 \times 10^{-5}$	Molecular function
ATP binding	99	1.46	$9.06 \times 10^{-5}$	Molecular function
metal ion binding	224	1.24	$9.50 \times 10^{-5}$	Molecular function

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**Supplementary Table S5** DE miRNA target pathway ( $P < 0.0001$ ).

pathway	count	genes	Fold enrichment	P-value
Neurotrophin signaling pathway	21	<i>Irak1, Map2k1, Braf, Camk2g, Rela, Ywhab, Ptpn11, Akt1, Ywhag, Crkl, Mapk14, Ntrk2, Gab1, Pik3ca, Mapk9, Ngfrap1, Abl1, Frs2, Map2k7, Arhgdia, Shc4</i>	3.37	$2.75 \times 10^{-6}$
Pancreatic cancer	15	<i>E2f3, Map2k1, Braf, Rela, Tgfbr2, Smad4, Smad3, Stat1, Ralgds, Akt1, Acvr1b, Rac2, Ikbkg, Pik3ca, Mapk9</i>	4.35	$5.65 \times 10^{-6}$
Colorectal cancer	16	<i>Dvl2, Map2k1, Braf, Tgfbr2, Smad4, Smad3, Ralgds, Ctnnb1, Akt1, Igf1r, Acvr1b, Casp3, Rac2, Pik3ca, Mapk9, Pdgfrb</i>	3.88	$1.06 \times 10^{-5}$
Chronic myeloid leukemia	15	<i>E2f3, Map2k1, Braf, Rela, Tgfbr2, Smad4, Smad3, Ptpn11, Akt1, Acvr1b, Crkl, Ikbkg, Pik3ca, Abl1, Shc4</i>	4.12	$1.09 \times 10^{-5}$
ErbB signaling pathway	15	<i>Braf, Map2k1, Camk2g, Prkcb, Akt1, Crkl, Ereg, Nck1, Gab1, Pik3ca, Mapk9, Abl1, Abl2, Map2k7, Shc4</i>	3.60	$5.36 \times 10^{-5}$
MAPK signaling pathway	27	<i>Il1r1, Tnf, Ppp3r1, Srf, Map3k7, Akt1, Acvr1b, Casp3, Rac2, Dusp16, Map2k7, Braf, Map2k1, Rela, Ptpn5, Nf1, Tgfbr2, Cacna2d3, Prkcb, Crkl, Mapk14, Ntrk2, Ikbkg, Mapk9, Pdgfrb, Map3k14, Pla2g4b</i>	2.13	$3.27 \times 10^{-4}$
Chemokine signaling pathway	21	<i>Adcy1, Map2k1, Braf, Rock2, Adcy5, Rela, Cxcr2, Stat1,</i>	2.41	$3.80 \times 10^{-4}$



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		<i>Cxcl12, Prkcb, Elmo1, Akt1, Ccr9, Crkl, Rac2, Gnb1, Cx3cr1, Ikbkg, Pik3ca, Shc4, Gng7</i>		
Axon guidance	17	<i>Ablim1, Plxna2, Rock2, Ppp3r1, L1cam, Dpysl2, Ephb3, Cxcl12, Epha4, Sema4g, Rac2, Unc5b, Cfl2, Nck1, Efna5, Abl1, Sema4a</i>	2.71	$4.55 \times 10^{-4}$
Apoptosis	13	<i>Akt1, Cflar, Irak1, Il1r1, Casp3, Tnfrsf10b, Tnf, Rela, Il1rap, Ikbkg, Ppp3r1, Pik3ca, Map3k14</i>	3.12	$7.90 \times 10^{-4}$

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