

Appendix 2. Summary of the differentially expressed genes in the PN9-N/PN30-N comparison.

Fold change range	Gene symbols
3.00~	<i>Nnat, Cd24a</i>
2.75~3.00	<i>Crym, Marcks11, Marcks11</i>
2.50~2.75	<i>Sox19, Tmem46</i>
2.25~2.50	<i>Tspan6, H19, Kcne11, Ttyh2</i>
2.00~2.25	<i>Gpc2, Crabp1, Dynl1, Sat1, Npy, Sox19, Gje1, Ndr1, Hes6, Wdr66</i>
1.90~2.00	<i>Rprm, 1700027N10Rik, Col2a1, Mycl1, Enc1, Midn, D0H4S114, Marcks, Vcam1</i>
1.80~1.90	<i>Oxct1, Dcx, Vash2, Prdm1, BC005764, Dcx, Dbi, Ly6h, Plcd1</i>
1.70~1.80	<i>Slc38a5, Mfap2, Cln3, C530008M17Rik, Tmem176b, Maged2, Otx2, Tmem86a, H3f3b, Isl1, Cdk4, Ly6h, Rcc2, Tubb2a, Ptn, Rbp1, Tuba1a, Pkia, Adck4, Prc1</i>
1.60~1.70	<i>Ube2i, Neurog2, Krt24, Lyplal1, Sema5b, Tubb5, Rps27l, Arpc5, Mapre1, Rdx, Tubb5, C1qdc2, Tyrp1, Cdkn1c, Serpinh1, Ttc9b, Ftl1, Mfng, Tagln2, Gnb2, Mad2l2, Fmnl2, Gulp1, Pop4</i>
1.50~1.60	<i>Serinc5, Mbt1, Dpysl3, Stmn2, 2310007A19Rik, Gng10, Ppib, Basp1, Tpm4, Ypel1, Robo3, Eif4a1, Eif4e2, Mllt11, Slc27a2, Prnd, Pik3r1, Gluc, Jun, St8sia4, Rps9, Serinc4, Nasp, Podn, Ccnd1, Tmeff1, Panx1, Igsf21, Col17a1, Id3, Tbc1d9, Sec13, 40424, Sema5b, Tubb2b, Igf2, 2700081O15Rik, D10Bwg1364e, Map4k4, Ly6h, Mdk, Nfib, Psd2, Syt16, Nt5dc2, Chrna3, C1qb, Hn1, Pak3, Igfbp7,</i>

Apex1, Rpl3l

0.60~0.67

Prkcz, A230083H22Rik, Tmem38a, Lyve1, Crispld2, Hrh3, Tef, Pcp2, Faim, Rap1gds1, Tusc5, Hspa12a, Mast2, Sag, D6Wsu176e, Rbp3, Mtap4, Hcn2, Slc12a5, Optn, Fgf1, Myh3, Col7a1, Nrn1, Unc119, Adipor1, Thy1, 4921513D23Rik, Arhgef4, Scn2b, 9830123M21Rik, Parp3, Atp10a, Prop1, Lgals3bp, Drdlip, Mfap1b, Gpr152, Gabarapl1, Ttc7b, P2ry14, Plch2, Scd1, CerK, Cngb1, A930024E05Rik, Gaa, Wisp1, Bbs7, 2810405K02Rik, Sparcl1, Paqr7, Hk1, EG245190, Pde6b, Mt2, Gckr, Agpat3, Cplx1, Cryba1, Spc25, Stard7, Sncb, Vldlr, Hist4h4, Rcvrn, Vsnl1, Ank1, Rp1l1, Slc31a2, Sgk1, Diras1, Gnat2, Dpf3, D6Wsu176e, Nat14, Mylk, Mylpf, B230209C24Rik, 6330406I15Rik, Thrsp, 9230110K08Rik, Cox6a2, Dnajb10, Stxbp1, 1810055E12Rik, Cacnal1f, Clec2e

0.50~0.60

Fscn2, Ckm, Rims2, Drd4, Grm8, Zrsr1, Alpl, Eef1a2, Gas7, Trip10, Stac2, Wdr78, Mylk, Lgi3, Nsf, Rrp1b, Aipl1, Thoc5, BC027072, Diap3, Ncam1, Rgs7bp, Gpld1, Dkk3, Gng13, Pygm, Pacsin1, Camkv, Slc17a7, Mylk, Rom1, Dnahc9, Sebox, 6430548M08Rik, Tnfaip3, Pde6g, Dbp, Cx3cl1, 2300005B03Rik, Sfxn5, St8sia1, Ssbp4, Eno2, Gnb5, Syne1, Stard10, Gas6, Il33, Gnb1, ENSMUSG00000068233, Rit2, Pacsin1, Cyb5r1, Aipl1, Kcnb1, Cav1, Per3, Bcl6, Kcne2, Cngal, Cpne6, Gabra1, Hpcal4, A930034L06Rik, Nap1l5, Tuba4a, Osbp2, Nxn1l, Cartpt, Slc38a3, Scg2

0.40~0.50

D6Wsu176e, Camk2n1, Prph2, Abca13, Chst3, Tnnt1, D16Erd472e, Lrtm1, Tmem59l, 5033430I15Rik, Tppp, Hlf, Rasgrf1, Guca1a, Rgs9bp, Abca4, Kcnj14, Adssl1, Lima1, B230112C05Rik, Fos, Abca4, Bhlhb2, Pdia5, Cacna2d3, Hcls1, Mip, Crybb2, Slc17a1, 4930583H14Rik, Rtbdn, Hisppd2a, Slc6a6, Drd4

0.30~0.40

Pde6h, Alox5ap, Per2, Cabp4, Slc16a6, Reep6, BC038479, Pde8a, 6330514A18Rik, Cryba2, Ahrr, Arr3, Arr3, Col20a1, Cplx4, Mt1, Scara3, Rho, B230112C05Rik, Frmpd1, Clu

0.20~0.30 *Grtp1, Spag5, Pvalb, Gabrr2, Glul, 2610034M16Rik, Esrrb, Cdr2, Guca1b, Pde6a*

0.10~0.20 *Vtn, Mef2c, Hk2, Opn1mw, Slc24a1, Gnat1*

~0.10 *Kcnj14*

Please refer to notes for Table S1.