

Lynn et al Supplemental Table 1

PGC-Dox vs. Con-Dox

Expression analysis showing 2 fold change at a 5% FDR.

Probe Set	Gene Title full	Gene Symbol	FC_Pgc_Dox_vs_Wt_Dox
1448996_ε	rod outer segment membrane protein 1	Rom1	12.19
1424638_ε	cyclin-dependent kinase inhibitor 1A (P21)	Cdkn1a	10.29
1460336_ε	peroxisome proliferative activated receptor, gamma, coactivator 1 alpha	Ppargc1a	9.30
1424443_ε	hepatoma-derived growth factor, related protein 3	Hdgfrp3 /// T1	7.92
1438009_ε	similar to histone 2a	MGC73635	7.10
1451353_ε	transmembrane 6 superfamily member 1	Tm6sf1	5.94
1436188_ε	N-myc downstream regulated gene 4	NdrG4	5.51
1422101_ε	tumor necrosis factor receptor superfamily, member 23	Tnfrsf23	5.18
1451418_ε	splA/ryanodine receptor domain and SOCS box containing 4	Spsb4	5.01
1442366_ε	RIKEN cDNA 6820408C15 gene	6820408C15	5.00
1418820_ε	zinc finger, CCHC domain containing 10	Zcchc10	4.95
1427477_ε	transmembrane protease, serine 13	Tmprss13	4.89
1434447_ε	expressed sequence AI838057	AI838057	4.87
1449854_ε	nuclear receptor subfamily 0, group B, member 2	Nr0b2	4.76
1436808_χ	minichromosome maintenance deficient 5, cell division cycle 46 (S. cerevisiae)	Mcm5	4.60
1419153_ε	RIKEN cDNA 2810417H13 gene	2810417H13	4.58
1426615_ε	N-myc downstream regulated gene 4	NdrG4	4.57
1426095_ε	tumor necrosis factor receptor superfamily, member 22	Tnfrsf22	4.49
1416006_ε	midkine	Mdk	4.43
1434437_χ	ribonucleotide reductase M2	Rrm2	4.24
1455509_ε	cDNA sequence AB182283	AB182283	4.19
1425179_ε	serine hydroxymethyl transferase 1 (soluble)	Shmt1	4.14
1449133_ε	small proline-rich protein 1A	Sprr1a	4.11
1424530_ε	SEC14-like 2 (S. cerevisiae)	Sec14l2	4.01
1442590_ε	tumor necrosis factor receptor superfamily, member 23	Tnfrsf23	4.00
1423101_ε	progesterin and adipoQ receptor family member IV	Paqr4	3.88
1426817_ε	antigen identified by monoclonal antibody Ki 67	Mki67 /// LOC	3.76
1460081_ε	Synaptotagmin VII	Syt7	3.75
1420984_ε	phosphatidylcholine transfer protein	Pctp	3.74
1417275_ε	myelin and lymphocyte protein, T-cell differentiation protein	Mal	3.64
1438187_ε	solute carrier family 25 (mitochondrial carrier, palmitoylcarnitine transport)	Slc25a29	3.62
1415995_ε	caspase 6	Casp6	3.61
1432181_ε	endothelial cell growth factor 1 (platelet-derived)	Ecgf1	3.60
1429529_ε	tRNA splicing endonuclease 54 homolog (SEN54, S. cerevisiae)	Tsen54	3.56
1424143_ε	chromatin licensing and DNA replication factor 1	Cdt1	3.44
1448562_ε	uridine phosphorylase 1	Upp1	3.43
1416263_ε	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	3.40
1425681_ε	prion protein dublet	Prnd	3.39
1417457_ε	CDC28 protein kinase regulatory subunit 2	Cks2	3.36
1425094_ε	LIM homeobox protein 6	Lhx6	3.33
1438852_χ	minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe) (S.	Mcm6	3.32
1441927_ε	Synaptotagmin VII	Syt7	3.31
1447842_χ	Transcobalamin 2	Tcn2	3.30
1459978_χ	cyclin J-like	Ccnj1	3.30
1437716_χ	kinesin family member 22	Kif22	3.29
1427931_ε	pyridoxal (pyridoxine, vitamin B6) kinase	Pdxk	3.26
1448226_ε	ribonucleotide reductase M2	Rrm2	3.25
1435175_ε	cDNA sequence BC034090	BC034090	3.25
1426554_ε	phosphoglycerate mutase 1	Pgam1 /// LC	3.19
1442754_ε	RIKEN cDNA C030013G03 gene	C030013G03	3.19
1433855_ε	4-aminobutyrate aminotransferase	Abat	3.16
1457825_χ	transcobalamin 2	Tcn2	3.16
1453377_ε	SH2 domain containing 4A	Sh2d4a	3.16
1433888_ε	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	3.16
1454694_ε	topoisomerase (DNA) II alpha	Top2a	3.12
1434930_ε	two pore channel 1	Tpcn1	3.10

GeneList_PGC_Dox_PGC_Wt_PGC_Jun

1433750_ε	solute carrier family 31, member 1	Slc31a1	3.10
1450772_ε	wingless-related MMTV integration site 11	Wnt11	3.09
1418976_ε	cell death-inducing DNA fragmentation factor, alpha subunit-like effector 1	Cideb	3.08
1428986_ε	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter)	Slc17a7	3.08
1439036_ε	ATPase, Na ⁺ /K ⁺ transporting, beta 1 polypeptide	Atp1b1	3.07
1441259_ε	intraflagellar transport 122 homolog (Chlamydomonas)	Ift122	3.07
1441943_γ	Cytokine induced apoptosis inhibitor 1	Ciapin1	3.04
1455106_ε	creatine kinase, brain	Ckb	3.04
1448200_ε	transcobalamin 2	Tcn2	3.03
1447800_γ	Transcobalamin 2	Tcn2	3.03
1415910_ε	cytokine induced apoptosis inhibitor 1	Ciapin1	3.02
1416783_ε	tachykinin 1	Tac1	3.01
1448627_ε	PDZ binding kinase	Pbk	3.00
1439185_γ	RIKEN cDNA D430028G21 gene	D430028G21	3.00
1460241_ε	ST3 beta-galactoside alpha-2,3-sialyltransferase 5	St3gal5	2.99
1448140_ε	cytokine induced apoptosis inhibitor 1	Ciapin1	2.98
1454764_ε	solute carrier family 38, member 1	Slc38a1	2.98
1451371_ε	melanocortin 2 receptor accessory protein	Mrap	2.97
1436874_γ	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocase)	Slc25a5	2.95
1416165_ε	RAB31, member RAS oncogene family	Rab31	2.95
1430542_ε	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocase)	Slc25a5 /// E	2.91
1455301_ε	WAS/WASL interacting protein family, member 3	Wipf3	2.91
1451419_ε	splA/ryanodine receptor domain and SOCS box containing 4	Spsb4	2.90
1422930_ε	intercellular adhesion molecule 4, Landsteiner-Wiener blood group	Icam4	2.89
1452534_ε	high mobility group box 2	Hmgb2 /// LC	2.88
1417910_ε	cyclin A2	Ccna2	2.82
1424316_ε	solute carrier family 25 (mitochondrial deoxynucleotide carrier), member 19	Slc25a19	2.82
1431893_ε	prenyl (solaneyl) diphosphate synthase, subunit 1	Pdss1	2.81
1423294_ε	mesoderm specific transcript	Mest	2.81
1423979_ε	solute carrier family 25 (mitochondrial carrier, palmitoylcarnitine transporter)	Slc25a29	2.81
1437313_γ	high mobility group box 2	Hmgb2 /// LC	2.80
1439377_γ	cell division cycle 20 homolog (S. cerevisiae)	Cdc20	2.76
1417405_ε	START domain containing 3	Stard3	2.75
1451123_ε	RIKEN cDNA C330016O10 gene	C330016O10	2.74
1415792_ε	RanBP-type and C3HC4-type zinc finger containing 1	Rbck1	2.73
1434239_ε	ribosomal RNA processing 12 homolog (S. cerevisiae)	Rrp12	2.70
1454109_ε	phosphatidylserine receptor	Ptdsr	2.69
1420056_ε	phosphatidylserine receptor	Ptdsr	2.69
1432558_ε	myelin and lymphocyte protein, T-cell differentiation protein	Mal	2.69
1452242_ε	centrosomal protein 55	Cep55	2.67
1416514_ε	fascin homolog 1, actin bundling protein (Strongylocentrotus purpuratus)	Fscn1	2.67
1435517_γ	v-ral simian leukemia viral oncogene homolog B (ras related)	Ralb	2.67
1416431_ε	tubulin, beta 6	Tubb6	2.66
1417911_ε	cyclin A2	Ccna2	2.66
1415945_ε	minichromosome maintenance deficient 5, cell division cycle 46 (S. cerevisiae)	Mcm5	2.66
1449040_ε	selenophosphate synthetase 2	Sephs2	2.65
1448224_ε	transcription factor A, mitochondrial	Tfam	2.65
1450424_ε	interleukin 18 binding protein	Il18bp	2.64
1453416_ε	growth arrest-specific 2 like 3	Gas2l3	2.64
1416503_ε	latexin	Lxn	2.63
1417902_ε	solute carrier family 19 (thiamine transporter), member 2	Slc19a2	2.63
1448635_ε	structural maintenance of chromosomes 2	Smc2	2.62
1423809_ε	transcription factor 19	Tcf19	2.62
1455179_ε	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7)	Mpp7	2.61
1449536_ε	potassium intermediate/small conductance calcium-activated channel, subfamily 1	Kcnn1	2.61
1454604_ε	tetraspanin 12	Tspan12	2.61
1418572_γ	tumor necrosis factor receptor superfamily, member 12a	Tnfrsf12a	2.59
1455627_ε	procollagen, type VIII, alpha 1	Col8a1	2.57
1415903_ε	solute carrier family 38, member 1	Slc38a1	2.57
1455923_ε	potassium channel tetramerisation domain containing 8	Kctd8	2.57
1429054_ε	mitochondrial ribosomal protein L47	Mrpl47	2.57
1434897_ε	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocase)	Slc25a4	2.56
1431292_ε	twinfilin, actin-binding protein, homolog 2 (Drosophila)	Twf2	2.56
1429106_ε	RIKEN cDNA 4921509J17 gene	4921509J17	2.53

GeneList_PGC_Dox_PGC_Wt_PGC_Jun

1424171_ε hydroxyacyl glutathione hydrolase	Hagh	2.53
1434801_γ solute carrier family 25 (mitochondrial carrier, adenine nucleotide transloc	Slc25a5	2.52
1452061_ε spermatid perinuclear RNA binding protein	Strbp	2.52
1421811_ε thrombospondin 1	Thbs1 /// LO	2.51
1420380_ε chemokine (C-C motif) ligand 2	Ccl2	2.51
1439410_γ solute carrier family 25, member 39	Slc25a39	2.50
1433918_ε autophagy-related 4D (yeast)	Atg4d	2.50
1416399_ε heme oxygenase (decycling) 2	Hmox2	2.48
1428542_ε RIKEN cDNA 2010003J03 gene	2010003J03I	2.48
1418571_ε tumor necrosis factor receptor superfamily, member 12a	Tnfrsf12a	2.47
1424951_ε BAI1-associated protein 2-like 1	Baiap2l1	2.47
1441850_γ transcobalamin 2	Tcn2	2.47
1439740_ε uridine-cytidine kinase 2	Uck2	2.46
1418253_ε heat shock protein 4 like	Hspa4l	2.45
1458339_ε cytidine and dCMP deaminase domain containing 1	Cdadc1	2.44
1438320_ε minichromosome maintenance deficient 7 (S. cerevisiae)	Mcm7	2.44
1439093_at		2.43
1438319_γ FAST kinase domains 2	Fastkd2	2.43
1429058_ε RIKEN cDNA 1110004B13 gene	1110004B13	2.43
1416600_ε Down syndrome critical region homolog 1 (human)	Dscr1	2.43
1426875_ε sulfiredoxin 1 homolog (S. cerevisiae)	Srxn1	2.42
1438188_γ solute carrier family 25 (mitochondrial carrier, palmitoylcarnitine transport	Slc25a29	2.41
1439440_γ twinfilin, actin-binding protein, homolog 2 (Drosophila)	Twf2	2.41
1423772_ε solute carrier family 25 (mitochondrial carrier, adenine nucleotide transloc	Slc25a5	2.39
1424076_ε glycerophosphodiester phosphodiesterase domain containing 1	Gdpd1	2.38
1421456_ε purinergic receptor P2Y, G-protein coupled 1	P2ry1	2.38
1419103_ε abhydrolase domain containing 6	Abhd6	2.37
1430394_ε ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	2.37
1427239_ε intraflagellar transport 122 homolog (Chlamydomonas)	Ift122	2.37
1449010_ε heat shock protein 4 like	Hspa4l	2.36
1422557_ε metallothionein 1	Mt1	2.36
1452789_ε stannin	Snn	2.36
1441315_ε solute carrier family 19 (thiamine transporter), member 2	Slc19a2	2.36
1416554_ε PDZ and LIM domain 1 (elfin)	Pdlim1	2.35
1444790_ε RIKEN cDNA 1810005K13 gene	1810005K13	2.34
1438922_γ solute carrier family 25 (mitochondrial carrier, adenine nucleotide transloc	Slc25a5 /// E	2.34
1424261_ε zinc finger protein 672	Zfp672	2.33
1460676_ε Josephin domain containing 1	Josd1	2.32
1418440_ε procollagen, type VIII, alpha 1	Col8a1	2.32
1416823_ε oxysterol binding protein-like 1A	Osbpl1a	2.32
1417458_ε CDC28 protein kinase regulatory subunit 2	Cks2	2.31
1436329_ε early growth response 3	Egr3	2.30
1437269_ε expressed sequence AW124722	AW124722	2.30
1418325_ε selenophosphate synthetase 2	Sephs2	2.28
1423812_ε expressed sequence AW146242	AW146242	2.28
1451152_ε ATPase, Na ⁺ /K ⁺ transporting, beta 1 polypeptide	Atp1b1	2.28
1436707_γ non-SMC condensin I complex, subunit H	Ncaph	2.28
1452908_ε DIP2 disco-interacting protein 2 homolog A (Drosophila)	Dip2a	2.27
1437519_γ hydroxyacyl glutathione hydrolase	Hagh	2.27
1435602_ε Transcribed locus		2.27
1416345_ε translocase of inner mitochondrial membrane 8 homolog a1 (yeast)	Timm8a1	2.27
1429188_ε COX11 homolog, cytochrome c oxidase assembly protein (yeast)	Cox11	2.26
1439109_ε coiled-coil domain containing 68	Ccdc68	2.25
1417419_ε cyclin D1	Ccnd1	2.25
1451103_ε DNA segment, Chr 14, ERATO Doi 500, expressed	D14Ert500e	2.25
1439012_ε deoxycytidine kinase	Dck	2.25
1452730_ε RIKEN cDNA 1110033J19 gene	1110033J19I	2.25
1424244_ε RWD domain containing 4A	Rwdd4a	2.24
1460278_ε DNA segment, Chr 15, Wayne State University 75, expressed	D15Wsu75e	2.24
1436708_γ minichromosome maintenance deficient 4 homolog (S. cerevisiae)	Mcm4	2.24
1417417_ε cytochrome c oxidase, subunit VI a, polypeptide 1	Cox6a1	2.24
1457983_ε RWD domain containing 4A	Rwdd4a	2.23
1448604_ε uridine-cytidine kinase 2	Uck2	2.23
1447819_γ procollagen, type VIII, alpha 1	Col8a1	2.23

GeneList_PGC_Dox_PGC_Wt_PGC_Jun

1428283_ε cytochrome P450, family 2, subfamily s, polypeptide 1	Cyp2s1	2.23
1424563_ε solute carrier family 25 (mitochondrial carrier, adenine nucleotide transloc	Slc25a4	2.23
1433885_ε IQ motif containing GTPase activating protein 2	Iqgap2	2.22
1416601_ε Down syndrome critical region homolog 1 (human)	Dscr1	2.22
1436174_ε ATPase family, AAA domain containing 2	Atad2	2.22
1442465_ε spermatid perinuclear RNA binding protein	Strbp	2.22
1438545_ε solute carrier family 25 (mitochondrial carrier, adenine nucleotide transloc	Slc25a5 /// E	2.21
1423890_γ ATPase, Na+/K+ transporting, beta 1 polypeptide	Atp1b1	2.21
1435244_ε Vav2 oncogene	Vav2	2.20
1431464_ε phosphomannomutase 2	Pmm2	2.20
1438360_γ solute carrier family 25 (mitochondrial carrier, adenine nucleotide transloc	Slc25a5 /// E	2.19
1418860_ε LETM1 domain containing 1	Letmd1	2.19
1455961_at		2.19
1430614_ε RIKEN cDNA 4632415K11 gene	4632415K11	2.19
1428680_ε CDP-diacylglycerol synthase 1	Cds1	2.18
1424577_ε misato homolog 1 (Drosophila)	Msto1	2.17
1431691_ε RAB31, member RAS oncogene family	Rab31	2.17
1424885_ε kelch domain containing 8A	Klhdc8a	2.17
1438209_ε RIKEN cDNA 4632404H12 gene	4632404H12	2.16
1419617_ε potassium intermediate/small conductance calcium-activated channel, su	Kcnn1	2.16
1423358_ε RIKEN cDNA 1810009K13 gene	1810009K13	2.16
1422628_ε RIKEN cDNA 4632417K18 gene	4632417K18	2.16
1420028_ε minichromosome maintenance deficient 3 (S. cerevisiae)	Mcm3 /// LOC	2.16
1435703_ε Transcribed locus		2.16
1421097_ε endonuclease G	Endog	2.16
1437449_ε radical S-adenosyl methionine domain containing 1	Rsad1	2.16
1418369_ε DNA primase, p49 subunit	Prim1	2.15
1424110_ε expressed in non-metastatic cells 1, protein	Nme1	2.14
1451176_ε RIKEN cDNA D430028G21 gene	D430028G21	2.14
1427929_ε pyridoxal (pyridoxine, vitamin B6) kinase	Pdxk	2.14
1434168_ε progressive external ophthalmoplegia 1 (human)	Peo1	2.14
1439436_γ inner centromere protein	Incenp	2.14
1438317_ε endonuclease G	Endog	2.14
1425134_ε phosphatidylinositol glycan anchor biosynthesis, class X	Pigx	2.13
1417595_ε mesenchyme homeobox 1	Meox1	2.12
1436959_γ nasal embryonic LHRH factor	Nelf	2.12
1421143_ε diaphanous homolog 1 (Drosophila)	Diap1	2.11
1450697_ε solute carrier family 30 (zinc transporter), member 7	Slc30a7	2.11
1423956_ε stromal membrane-associated protein 1	Smap1	2.11
1424219_ε mitochondrial rRNA methyltransferase 1 homolog (S. cerevisiae)	Mrm1	2.10
1438178_γ ATPase family, AAA domain containing 3A	Atad3a	2.10
1425178_ε serine hydroxymethyl transferase 1 (soluble)	Shmt1	2.10
1424172_ε hydroxyacyl glutathione hydrolase	Hagh	2.10
1456813_ε Adult male hypothalamus cDNA, RIKEN full-length enriched library, clone:A230069E07		2.10
1419104_ε abhydrolase domain containing 6	Abhd6	2.10
1425280_ε leukocyte receptor cluster (LRC) member 1	Leng1	2.09
1416698_ε CDC28 protein kinase 1b	Cks1b	2.09
1417108_ε kinesin light chain 4	Klc4	2.09
1448698_ε cyclin D1	Ccnd1	2.09
1448752_ε carbonic anhydrase 2	Car2	2.09
1438546_γ solute carrier family 25 (mitochondrial carrier, adenine nucleotide transloc	Slc25a5 /// E	2.08
1452661_ε transferrin receptor	Tfrc	2.08
1451127_ε expressed sequence AW146242	AW146242	2.08
1426950_ε poly (ADP-ribose) polymerase family, member 16	Parp16	2.08
1429059_ε RIKEN cDNA 1110004B13 gene	1110004B13	2.08
1455428_ε RIKEN cDNA A930008G19 gene	A930008G19	2.07
1452139_ε solute carrier family 35, member C1	Slc35c1	2.07
1418183_ε pleckstrin homology, Sec7 and coiled-coil domains 1	Pscd1	2.07
1458385_ε heat shock protein 4 like	Hspa4l	2.07
1456912_ε zinc finger protein 691	Zfp691	2.07
1417499_ε translocase of inner mitochondrial membrane 10 homolog (yeast)	Timm10	2.07
1451352_ε metastasis associated 3	Mta3	2.07
1416346_ε translocase of inner mitochondrial membrane 8 homolog a1 (yeast)	Timm8a1	2.05
1455935_ε RIKEN cDNA 2410131K14 gene	2410131K14	2.05

GeneList_PGC_Dox_PGC_Wt_PGC_Jun

1418035_ε DNA primase, p58 subunit	Prim2	2.05
1426791_ε RUN and SH3 domain containing 2	Rusc2	2.04
1417418_ε cytochrome c oxidase, subunit VI a, polypeptide 1	Cox6a1 /// LC	2.04
1448787_ε modulator of apoptosis 1	Moap1	2.04
1434743_γ RUN and SH3 domain containing 1	Rusc1	2.04
1433883_ε tropomyosin 4	Tpm4	2.03
1429475_ε RIKEN cDNA 2810457106 gene	2810457106F	2.03
1425753_ε uracil DNA glycosylase	Ung	2.03
1453091_ε LETM1 domain containing 1	Letmd1	2.03
1416093_ε mitochondrial ribosomal protein L20	Mrpl20	2.03
1436198_ε prolyl endopeptidase	Prep	2.02
1427055_ε thioesterase superfamily member 4	Them4	2.02
1424213_ε UbiA prenyltransferase domain containing 1	Ubiad1	2.02
1416067_ε interferon-related developmental regulator 1	lfrd1	2.02
1454771_at		2.02
1417109_ε tubulointerstitial nephritis antigen-like	Tinagl	2.02
1439965_ε Transcribed locus		2.02
1456541_γ ATPase family, AAA domain containing 3A	Atad3a	2.01
1450914_ε protein phosphatase 1, regulatory (inhibitor) subunit 14B	Ppp1r14b	2.01
1439105_ε cytidine and dCMP deaminase domain containing 1	Cdad1	2.01
1452954_ε ubiquitin-conjugating enzyme E2C	Ube2c	2.01
1455341_ε RIKEN cDNA 2010003J03 gene	2010003J03I	2.01
1424243_ε RWD domain containing 4A	Rwdd4a	2.01
1423980_ε solute carrier family 25 (mitochondrial carrier, palmitoylcarnitine transport	Slc25a29	2.01
1449954_ε hyaluronoglucosaminidase 1	Hyal1 /// Natf	2.00
1420684_ε acyl-Coenzyme A oxidase 3, pristanoyl	Acox3	2.00
1417507_ε cytochrome b-561	Cyb561	2.00
1460192_ε oxysterol binding protein-like 1A	Osbpl1a	1.99
1440989_at		1.98
1418012_ε SH3-domain GRB2-like B1 (endophilin)	Sh3glb1	1.96
1427100_ε meteorin, glial cell differentiation regulator	Metm	1.94
1439143_ε RIKEN cDNA A930018M24 gene	A930018M24	1.94
1422573_ε AMP deaminase 3	Ampd3	1.93
1428889_ε alkB, alkylation repair homolog 3 (E. coli)	Alkbh3	1.93
1437629_ε Rho guanine nucleotide exchange factor (GEF) 19	Arhgef19	1.92
1448777_ε minichromosome maintenance deficient 2 mitotin (S. cerevisiae)	Mcm2	1.92
1420731_ε cysteine and glycine-rich protein 2	Csrp2	1.91
1428516_ε alkB, alkylation repair homolog 7 (E. coli)	Alkbh7	1.91
1449198_ε ST3 beta-galactoside alpha-2,3-sialyltransferase 5	St3gal5	1.91
1445669_ε sprouty homolog 4 (Drosophila)	Spry4	1.90
1451260_ε aldehyde dehydrogenase 1 family, member B1	Aldh1b1	1.88
1428652_ε RIKEN cDNA 0610010F05 gene	0610010F05	1.87
1449099_ε LPS-responsive beige-like anchor	Lrba	1.84
1435717_ε RIKEN cDNA 4833428C12 gene	4833428C12	1.84
1450916_ε staufin (RNA binding protein) homolog 2 (Drosophila)	Stau2	1.83
1423947_ε RIKEN cDNA 1110008P14 gene	1110008P14	1.82
AFFX-Trar transferrin receptor	Tfrc	1.82
1448938_ε replication protein A3	Rpa3	1.79
1433936_ε RIKEN cDNA 0610010E21 gene	0610010E21	1.78
1439482_ε RIKEN cDNA F830021D11 gene	F830021D11	1.78
1426612_ε timeless interacting protein	Tipin	1.77
1433444_ε 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1	Hmgcs1	1.73
1459740_ε uncoupling protein 2 (mitochondrial, proton carrier)	Ucp2	1.54
1423110_ε procollagen, type I, alpha 2	Col1a2	1.52
1420961_ε influenza virus NS1A binding protein	lvns1abp	0.82
1416953_ε connective tissue growth factor	Ctgf	0.76
1427183_ε epidermal growth factor-containing fibulin-like extracellular matrix protein	Efemp1	0.65
1419606_ε troponin T1, skeletal, slow	Tnnt1	0.63
1418457_ε chemokine (C-X-C motif) ligand 14	Cxcl14	0.61
1423954_ε complement component 3	C3	0.61
1434277_ε yippee-like 2 (Drosophila)	Ypel2	0.60
1418403_ε a disintegrin and metallopeptidase domain 19 (meltrin beta)	Adam19	0.60
1419702_ε TATA box binding protein (Tbp)-associated factor, RNA polymerase I, A RIKEN cDNA 2310014F07 gene	Taf1a	0.59

GeneList_PGC_Dox_PGC_Wt_PGC_Jun

1449533_ε transmembrane protein 100	Tmem100	0.58
1455528_ε Transcribed locus		0.58
1420930_ε catenin (cadherin associated protein), alpha-like 1	Ctnnal1	0.58
1433983_ε Cnksr family member 3	Cnksr3	0.58
1452888_ε RIKEN cDNA 1110034G24 gene	1110034G24	0.57
1423806_ε integrator complex subunit 4	Ints4	0.57
1450084_ε influenza virus NS1A binding protein	Ivns1abp	0.56
1448596_ε solute carrier family 6 (neurotransmitter transporter, creatine), member 8	Slc6a8	0.55
1455400_ε dimethylarginine dimethylaminohydrolase 1	Ddah1	0.55
1436672_ε G protein-coupled receptor kinase 5	Gprk5	0.54
1438217_ε ataxin 2 binding protein 1	A2bp1	0.54
1423748_ε pyruvate dehydrogenase kinase, isoenzyme 1	Pdk1	0.54
1447250_ε RIKEN cDNA 2610301F02 gene	2610301F02	0.54
1425458_ε growth factor receptor bound protein 10	Grb10	0.54
1437183_ε leucine rich repeat containing 4B	Lrrc4b	0.53
1421011_ε hydroxysteroid (17-beta) dehydrogenase 11	Hsd17b11	0.53
1426236_ε glutamate-ammonia ligase (glutamine synthetase)	Glul	0.53
1449799_ε plakophilin 2	Pkp2	0.53
1425718_ε influenza virus NS1A binding protein	Ivns1abp	0.53
1438577_ε Inositol polyphosphate-4-phosphatase, type II	Inpp4b	0.52
1455404_ε junctophilin 2	Jph2	0.52
1455581_ε hypothetical protein 9530028C05	9530028C05	0.52
1416046_ε fucosidase, alpha-L- 2, plasma	Fuca2	0.52
1453119_ε OTU domain containing 1	Otud1	0.52
1434848_ε Transcribed locus		0.51
1443939_ε similar to C05G5.5	LOC230628	0.51
1437617_ε RIKEN cDNA 1110034G24 gene	1110034G24	0.51
1417494_ε ceruloplasmin	Cp	0.51
1455342_ε RIKEN cDNA A230083H22 gene	A230083H22	0.50
1434931_ε neogenin	Neo1	0.50
1452879_ε synaptopodin 2	Synpo2	0.50
1435752_ε ATP-binding cassette, sub-family C (CFTR/MRP), member 9	Abcc9	0.50
1425597_ε quaking	Qk	0.50
1421413_ε PDZ and LIM domain 5	Pdlim5 /// LO	0.50
1417781_ε longevity assurance homolog 4 (S. cerevisiae)	Lass4	0.50
1439101_ε RIKEN cDNA D830007F02 gene	D830007F02	0.50
1430307_ε malic enzyme, supernatant	Mod1 /// LOC	0.50
1416846_ε PDZ domain containing RING finger 3	Pdzrn3	0.50
1449015_ε resistin like alpha	Retnla	0.49
1428892_ε peptidylprolyl isomerase (cyclophilin)-like 1	Ppil1	0.49
1421929_ε Eph receptor A4	Epha4	0.49
1418498_ε fibroblast growth factor 13	Fgf13	0.49
1433632_ε interferon regulatory factor 2 binding protein 2	Irf2bp2 /// LC	0.49
1460521_ε oligonucleotide/oligosaccharide-binding fold containing 2A	Obfc2a	0.49
1419499_ε glycerol-3-phosphate acyltransferase, mitochondrial	Gpam	0.49
1450123_ε ryanodine receptor 2, cardiac	Ryr2	0.49
1443932_ε kelch domain containing 1	Klhdc1	0.49
1417383_ε ectonucleoside triphosphate diphosphohydrolase 5	Entpd5	0.49
1453435_ε flavin containing monooxygenase 2	Fmo2	0.49
1427685_ε synaptojanin 2	Synj2	0.49
1417702_ε histamine N-methyltransferase	Hnmt	0.49
1421126_ε ryanodine receptor 2, cardiac	Ryr2	0.49
1444504_ε dehydrogenase/reductase (SDR family) member 7C	Dhrs7c	0.49
1430623_ε oligonucleotide/oligosaccharide-binding fold containing 2A	Obfc2a	0.49
1449341_ε stomatin	Stom	0.49
1430286_ε protein phosphatase 1, regulatory (inhibitor) subunit 14c	Ppp1r14c	0.49
1421277_ε spectrin alpha 1	Spna1 /// LO	0.49
1451871_ε growth hormone receptor	Ghr	0.49
1423557_ε interferon gamma receptor 2	Ifngr2	0.49
1456424_ε phospholipid transfer protein	Pltp	0.48
1419674_ε dipeptidase 1 (renal)	Dpep1	0.48
1418402_ε a disintegrin and metallopeptidase domain 19 (meltrin beta)	Adam19	0.48
1415997_ε thioredoxin interacting protein	Txnip	0.48
flavin containing monooxygenase 2		

GeneList_PGC_Dox_PGC_Wt_PGC_Jun

1416454_ε actin, alpha 2, smooth muscle, aorta	Acta2	0.48
1460518_ε RIKEN cDNA E130119H09 gene	E130119H09	0.48
1429183_ε plakophilin 2	Pkp2	0.48
1452358_ε retinoic acid induced 2	Rai2	0.48
1423222_ε CAP, adenylate cyclase-associated protein, 2 (yeast)	Cap2	0.48
1417130_ε angiopoietin-like 4	Angptl4	0.48
1418849_γ aquaporin 7	Aqp7	0.48
1429206_ε Rho-related BTB domain containing 1	Rhobtb1	0.48
1425208_ε limb-bud and heart	Lbh	0.48
1434273_ε RIKEN cDNA A830073O21 gene	A830073O21	0.48
1439849_ε Mus musculus, clone IMAGE:4222153, mRNA		0.48
1449244_ε cadherin 2	Cdh2	0.48
1417701_ε protein phosphatase 1, regulatory (inhibitor) subunit 14c	Ppp1r14c	0.48
1440374_ε Phosphodiesterase 1C	Pde1c	0.48
1424903_ε jumonji, AT rich interactive domain 1D (Rbp2 like)	Jarid1d	0.48
1451006_ε xanthine dehydrogenase	Xdh	0.48
1416632_ε malic enzyme, supernatant	Mod1 /// LOC	0.48
1433691_ε protein phosphatase 1, regulatory (inhibitor) subunit 3C	Ppp1r3c	0.47
1444399_ε oligonucleotide/oligosaccharide-binding fold containing 2A	Obfc2a	0.47
1450828_ε synaptopodin 2	Synpo2	0.47
1419191_ε homeodomain interacting protein kinase 3	Hipk3	0.47
1448390_ε dehydrogenase/reductase (SDR family) member 3	Dhrs3	0.46
1426235_ε glutamate-ammonia ligase (glutamine synthetase)	Glul	0.46
1423071_γ predicted gene, EG270335	EG270335 //	0.46
1450770_ε RIKEN cDNA 3632451O06 gene	3632451O06	0.46
1422983_ε integrin beta 6	Itgb6	0.46
1434690_ε lysocardiolipin acyltransferase	Lycat	0.46
1417963_ε phospholipid transfer protein	Pltp	0.46
1419435_ε aldehyde oxidase 1	Aox1	0.46
1417358_ε sorbin and SH3 domain containing 1	Sorbs1	0.46
1435645_ε monocyte to macrophage differentiation-associated	Mmd /// LOC	0.46
1451606_ε RIKEN cDNA A530016L24 gene	A530016L24	0.45
1434572_ε histone deacetylase 9	Hdac9	0.45
1436619_ε RIKEN cDNA D630045M09 gene	D630045M09	0.45
1420657_ε uncoupling protein 3 (mitochondrial, proton carrier)	Ucp3	0.45
1428891_at		0.45
1436243_ε FERM domain containing 5	Frmf5	0.45
1425631_ε protein phosphatase 1, regulatory (inhibitor) subunit 3C	Ppp1r3c	0.45
1423183_ε leucine-rich repeat LGI family, member 1	Lgi1	0.45
1420408_ε ATP-binding cassette, sub-family C (CFTR/MRP), member 9	Abcc9	0.45
1451156_ε very low density lipoprotein receptor	Vldlr	0.45
1418595_ε plasma membrane associated protein, S3-12	S3-12	0.45
1431056_ε lipoprotein lipase	Lpl /// LOC66	0.44
1447658_γ synaptopodin 2-like	Synpo2l	0.44
1422183_ε adrenergic receptor, alpha 1b	Adra1b	0.44
1438650_γ gap junction membrane channel protein alpha 1	Gja1	0.44
1445574_ε Transcribed locus		0.44
1417780_ε longevity assurance homolog 4 (S. cerevisiae)	Lass4	0.44
1428444_ε ankyrin repeat and SOCS box-containing protein 2	Asb2	0.44
1435751_ε ATP-binding cassette, sub-family C (CFTR/MRP), member 9	Abcc9	0.44
1434465_γ very low density lipoprotein receptor	Vldlr	0.44
1457681_ε RIKEN cDNA 2610301F02 gene	2610301F02	0.44
1452344_ε synaptojanin 2	Synj2	0.44
1418697_ε indolethylamine N-methyltransferase	Inmt	0.44
1438945_γ gap junction membrane channel protein alpha 1	Gja1	0.44
1429656_ε Rho-related BTB domain containing 1	Rhobtb1	0.44
1422153_ε ankyrin repeat and SOCS box-containing protein 11	Asb11	0.44
1451204_ε scavenger receptor class A, member 5 (putative)	Scara5	0.44
1421453_ε junctophilin 2	Jph2	0.44
1449547_ε ankyrin repeat and SOCS box-containing protein 14	Asb14	0.43
1422996_ε acyl-CoA thioesterase 2	Acot2	0.43
1460248_ε carboxypeptidase X 2 (M14 family)	Cpxm2	0.43
1417765_ε amylase 1, salivary	Amy1	0.43
	LOC671894	

GeneList_PGC_Dox_PGC_Wt_PGC_Jun

1434673_ε	G protein-coupled receptor 22	Gpr22	0.43
1420637_ε	phosphoribosyl pyrophosphate synthetase 2	Prps2	0.43
1424214_ε	RIKEN cDNA 9130213B05 gene	9130213B05	0.43
1420638_ε	phosphoribosyl pyrophosphate synthetase 2	Prps2	0.43
1455679_ε	oligonucleotide/oligosaccharide-binding fold containing 2A	Obfc2a	0.42
1437967_ε	Transcribed locus, moderately similar to XP_001066067.1 hypothetical protein [Rattus		0.42
1448607_at			0.42
1423072_ε	RIKEN cDNA 6720475J19 gene	6720475J19I	0.42
1417190_ε	pre-B-cell colony-enhancing factor 1	Pbef1	0.42
1423085_ε	ephrin B3	Efnb3	0.41
1419017_ε	corin	Corin	0.41
1455320_at			0.41
1441590_ε	potassium inwardly-rectifying channel, subfamily J, member 5	Kcnj5	0.41
1435956_ε	FERM domain containing 5	Frmf5	0.41
1429228_ε	RIKEN cDNA 4930534B04 gene	4930534B04	0.41
1423627_ε	NAD(P)H dehydrogenase, quinone 1	Nqo1	0.40
1417900_ε	very low density lipoprotein receptor	Vldlr	0.40
1449088_ε	fructose biphosphatase 2	Fbp2	0.40
1432205_ε	RIKEN cDNA C130038G02 gene	C130038G02	0.40
1454843_ε	phosphoribosyl pyrophosphate synthetase 2	Prps2	0.40
1434780_ε	RIKEN cDNA C130038G02 gene	C130038G02	0.39
1449356_ε	ankyrin repeat and SOCs box-containing protein 5	Asb5	0.39
1449065_ε	acyl-CoA thioesterase 1	Acot1	0.39
1419248_ε	regulator of G-protein signaling 2	Rgs2	0.39
1415800_ε	gap junction membrane channel protein alpha 1	Gja1	0.39
1444153_ε	16 days neonate heart cDNA, RIKEN full-length enriched library, clone:D830033B01 p		0.39
1435371_x	carboxylesterase 3	Ces3	0.39
1437992_x	gap junction membrane channel protein alpha 1	Gja1	0.38
1451675_ε	aminolevulinic acid synthase 2, erythroid	Alas2	0.38
1427038_ε	preproenkephalin 1	Penk1	0.38
1427312_ε	cardiomyopathy associated 5	Cmya5	0.38
1422997_ε	acyl-CoA thioesterase 1	Acot1 /// Aco	0.38
1419247_ε	regulator of G-protein signaling 2	Rgs2	0.38
1433504_ε	brain glycogen phosphorylase	Pygb	0.38
1453486_ε	signal peptide, CUB domain, EGF-like 2	Scube2	0.37
1421297_ε	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	0.37
1438175_x	myomesin 2	Myom2	0.37
1447830_ε	regulator of G-protein signaling 2	Rgs2	0.37
1445764_ε	16 days neonate heart cDNA, RIKEN full-length enriched library, clone:D830006O14 p		0.37
1423859_ε	prostaglandin D2 synthase (brain)	Ptgds	0.37
1434672_ε	G protein-coupled receptor 22	Gpr22	0.36
1429021_ε	Eph receptor A4	Epha4	0.36
1448595_ε	brain expressed gene 1	Bex1	0.36
1444429_ε	leucine-rich repeats and transmembrane domains 1	Lrtm1	0.36
1443866_ε	leucine-rich repeats and transmembrane domains 1	Lrtm1	0.35
1416505_ε	nuclear receptor subfamily 4, group A, member 1	Nr4a1	0.34
1450917_ε	myomesin 2	Myom2	0.34
1418314_ε	ataxin 2 binding protein 1	A2bp1	0.34
1455358_ε	Ataxin 2 binding protein 1	A2bp1	0.34
1460125_at			0.34
1442169_ε	very low density lipoprotein receptor	Vldlr	0.33
1420806_ε	fibroblast growth factor 16	Fgf16	0.33
1435893_ε	very low density lipoprotein receptor	Vldlr	0.33
1423860_ε	prostaglandin D2 synthase (brain)	Ptgds	0.33
1457435_x	myomesin 2	Myom2	0.32
1417714_x	hemoglobin alpha, adult chain 1	Hba-a1	0.32
1422804_ε	serine (or cysteine) peptidase inhibitor, clade B, member 6b	Serpnb6b	0.32
1425834_ε	glycerol-3-phosphate acyltransferase, mitochondrial	Gpam	0.32
1438258_ε	very low density lipoprotein receptor	Vldlr	0.31
1417273_ε	pyruvate dehydrogenase kinase, isoenzyme 4	Pdk4	0.30
1438676_ε	macrophage activation 2 like	Mpa2l /// LOC	0.29
1441111_ε	15 days embryo embryonic body below diaphragm cDNA, RIKEN full-length enriched li		0.28
1420658_ε	uncoupling protein 3 (mitochondrial, proton carrier)	Ucp3	0.28
	RIKEN cDNA 4930534B04 gene		

GeneList_PGC_Dox_PGC_Wt_PGC_Jun

1439066_ε angiopoietin 1	Angpt1	0.26
1419184_ε four and a half LIM domains 2	Fhl2	0.26
1426672_ε transmembrane protein 16K	Tmem16k	0.25
1415801_ε gap junction membrane channel protein alpha 1	Gja1	0.25
1429229_ε RIKEN cDNA 4930534B04 gene	4930534B04	0.24
1447927_ε macrophage activation 2 like	Mpa2l	0.24
1460061_ε Adult male olfactory brain cDNA, RIKEN full-length enriched library, clone:6430530M09		0.23
1435370_ε carboxylesterase 3	Ces3	0.23
1449081_ε carboxylesterase 3	Ces3	0.20
1436275_at	Kcnip2	0.16