Slu7	Cana Symbol	Key	Gene Name	FC	n value
Prg1         Ψ*         pituitary tumortransforming gene 1         22.58         5.55-07           S830417110Riik         Ψ*         RIKEN CDNA 5830417110 gene         16.62         6.46-09           Ublicp1         ubiquitin-like domain containing CTD phosphatase 1         16.12         1.2E-10           Gm10432         predicted gene 16432         9.04         2.1E-06           Pde4b         phosphodiesterase 4B, cAMP specific         8.88         6.1E-08           Glra1         glycine receptor, alpha 1 subunit         8.30         7.7E-07           Gm6         glutamate receptor, metabotropic 6         8.23         4.1E-05           Usher syndrome 2A (autosomal recessive, mild) homolog (human)         8.05         9.8E-08           Afg312         AFG3(ATPase family gene 3)-like 2 (yeast)         7.72         1.1E-08           Afxx1         AFG3(ATPase family gene 3)-like 2 (yeast)         7.72         1.1E-08           Altox 1         ATXI (antioxidant protein 1) homolog 1 (yeast)         7.01         1.1E-08           Cpn         cingulm-like 1         8.81         6.81         2.8E-09           Wcfr8         WD repeat domain 78         5.81         6.6E-06           Pgm2         phosphoglucomutase 2         5.80         1.0E-06 <t< td=""><td>Gene Symbol</td><td>Rey</td><td></td><td></td><td>p-value</td></t<>	Gene Symbol	Rey			p-value
S830417110Rik   Y *   RIKEN cDNA 5830417110 gene   16.62   6.4E-09   Ubliquitin-like domain containing CTD phosphatase   16.12   1.2E-10   18.12   18.12   1.2E-10   18.12		M( a)	• • • • • • • • • • • • • • • • • • • •		
Ublcp1					
Integrin alpha V		Ψ*			
Gm16432   predicted gene 16432   9.04   2.1E-06			* ' '		
Piese   Pie					
Giraf   glycine receptor, alpha 1 subunit   8.30   7.7E-07		*			
Since					
Ush2a (human) 8.05 9.8E-08 Afg3i2 AFG3(ATPase family gene 3)-like 2 (yeast) 7.72 1.1E-08 Anxa6 annexin A6 7.27 6.2E-08 Atxa6 (annexin A6 7.27 6.2E-08 Atxa6 (annexin A6 7.27 6.2E-08 Cgn cingulin-like 1 6.81 2.3E-05 Wdr78 WD repeat domain 78 5.81 6.6E-06 Pgm2 phosphoglucomutase 2 5.80 1.0E-06 Fzb (fizzled-related protein 5.74 2.8E-09 Safa2 sperm specific antigen 2 5.25 2.2E-05 Olfi6550 olfactory receptor 550 5.03 1.7E-06 Lrba (LPS-responsive beige-like anchor 4.99 2.8E-10 CDC16 cell division cycle 16 homolog (S. cerevisiae) 4.42 3.5E-06 Island (CDC16 cell division cycle 16 homolog (S. cerevisiae) 4.42 3.5E-06 Aldn1a2 aldehyde dehydrogenase family 1, subfamily A2 3.91 3.8E-05 Cdh2 cadherin-like 24 3.79 protein tyrosine phosphatase, receptor type, J 3.98 1.3E-05 Ash11 ash1 (absent, small, or homeetic)-like (Drosophila) 3.31 5.3E-06 Fisti5 folistatin-like 5 3.46 9.6E-07 Ash11 ash1 (absent, small, or homeetic)-like (Drosophila) 3.31 5.3E-07 Cd21a * chemokine (C-C motif) ligand 21A 3.29 4.9E-06 Arga2 * spire homolog 1 (Drosophila) 3.17 7.6E-07 Fibrary * spire homolog 1 (Drosophila) 3.17 7.6E-07 Fibrary * spire homolog 1 (Drosophila) 3.17 7.6E-07 Fibrary * spire homolog 1, ich spire homolog (Sent) as protein 2.99 4.8E-06 Arga2 * spire homolog 1, ich spire homolog (Sent) as protein 2.99 4.8E-06 Arga2 * spire homolog 1, ich spire homolog (Sent) as protein 2.99 4.8E-06 Arga2 * spire homolog 1, ich spire homolog (Sent) as protein 2.99 4.8E-06 Arga2 * spire homolog 1, ich spire homolog (Sent) as protein 2.99 4.8E-07 Ash10 * spire homolog 1, ich spire homolog (Sent) as protein 2.99 4.8E-07 Ash23409K07Rik * RikEN cDNA 4933409K07 gene 4.6E-07 Arga2 * spire homolog 1, ich spire homolog (Sent) as protein 2.99 4.8E-07 Ash23409K07Rik * RikEN cDNA 4933409K07 gene 2.99 4.8E-07 Ash23409K07Rik * RikEN cDNA 4933409K07 gene 2.90 4.9E-07 Ash23409K07Rik * RikEN cDNA 4933					
Ush2a	Grm6			8.23	4.1E-05
Afg3(2)         AFG3(ATPase family gene 3)-like 2 (yeast)         7.72         1.1E-08           Anxa6         annexin A6         7.27         6.2E-08           Atxo1         ATXI (antioxidant protein 1) homolog 1 (yeast)         7.01         1.1E-08           Cgn         cingulin-like 1         6.81         2.3E-05           Wdr78         WD repeat domain 78         5.81         6.6E-06           Pgm2         phosphoglucomulase 2         5.80         1.0E-06           Frzb         frizzled-related protein         5.74         2.8E-09           Ssfa2         sperm specific antigen 2         5.25         2.2E-05           Sic32         sperm specific antigen 2         5.25         2.2E-05           Clb         CDC16 cell division cycle 16 homolog (Sc. cerevisiae)         4.69         2.8E-10           Clb         CDC16 cell division cycle 16 homolog (Sc. cerevisiae)         4.42         3.5E-06           Slc38a1         member 1         1.1E-05         4.10         1.1E-05           Slc38a1         member 1         1.5E-06         3.98         1.3E-06           Alch1a2         aldehyde dehydrogenase family 1, subfamily A2         3.91         3.8E-06           Alch1a2         aldehyde dehydrogenase family 1, subfamily A2         <			Usher syndrome 2A (autosomal recessive, mild) homolog		
Anxa6 annexin A6 ATX1 (antioxidant protein 1) homolog 1 (yeast) 7.01 1.1E-08 Cgn cingulin-like 1 6.81 2.3E-05 Wdr78 WD repeat domain 78 5.81 6.6E-06 Pgm2 phosphoglucomutase 2 5.80 1.0E-06 Frzb ffizzled-related protein 5.74 2.8E-09 Safa2 sperm specific antigen 2 5.25 2.2E-05 Clf6550 olfactory receptor 550 5.03 1.7E-05 Lrba LPS-responsive beige-like anchor 4.69 2.8E-10 Cdc 16 CDC16 cell division cycle 16 homolog (S. cerevisiae) 4.42 3.5E-06 solute carrier family 36 (proton/amino acid symporter), member 1 4.10 1.1E-05 protein tyrosine phosphatase, receptor type, J 3.98 1.3E-06 clf2 cadherin-like 24 3.79 4.6E-05 Nfla nuclear factor IVA 3.5E-06 follistatin-like 5 follistatin-like 5 follistatin-like 5 follistatin-like 5 follistatin-like 7 chemokine (C-C motif) ligand 21A 3.29 4.9E-06 Ras-GTPase-activating protein 5 H3-domain binding protein 1 5.27 8.6E-07 Spire 1 spire homolog 1 (Drosophila) 3.17 7.6E-07 Spire 1 spire homolog 1 (Drosophila) 3.07 4.1E-08 Nav1 horizog panien neucleotide exchange factor (GEF) 2 3.08 9.1E-06 Vdac1 voltage-dependent anion channel 1 3.07 9.8E-07 Ras-GTPase-activating protein 5 H3-domain binding protein 1 5.25 Arg 1.2E-07 Spire 1 spire homolog 1 (Drosophila) 3.17 7.6E-07 Spire 1 spire homolog 1 (Drosophila) 3.17 7.6E-07 Spire 3 Spire homolog 1 (Drosophila) 3.17 7.6E-07 Spire 3 Spire homolog 1 (Drosophila) 3.07 4.1E-08 Nav1 heterogeneous nuclear ribonucleoprotein D-like 2.99 4.4E-09 Star-68 StAR-related lipid transfer (START) domain containing 6 2.79 3.6E-06 Star-68 StAR-related lipid transfer (START) domain containing 6 2.79 3.6E-06 Star-69 Star-69 Rapagef2 Rap guanine nucleotide exchange factor (GEF) 2 3.08 9.1E-06 Star-69 StAR-related lipid transfer (START) domain containing 6 2.79 3.6E-06 Star-69 Star-69 Rapagef2 Rap guanine nucleotide exchange factor (GEF) 2 3.08 4.8E-05 5.03 4.8E-05 5.03 4	Ush2a		(human)		9.8E-08
ATX1 (antioxidant protein 1) homolog 1 (yeast) 7.01 1.1E-08 Cgn cingulin-like 1 6.81 2.3E-05 Wdr78 WD repeat domain 78 5.81 6.8E-06 Pgm2 phosphoglucomutase 2 5.80 1.0E-06 Frzb ffizzled-related protein 5.74 2.8E-09 Ssfa2 sperm specific antigen 2 5.25 2.2E-05 Olifs550 olfactory receptor 550 5.03 1.7E-05 Lrba LPS-responsive beige-like anchor 4.69 2.8E-10 Cdc16 CDC16 cell division cycle 16 homolog (S. cerevisiae) 4.42 3.5E-06 solute carrier family 36 (proton/amino acid symporter), member 1 4.10 1.1E-05 Pprj protein tryrosine phosphatase, receptor type, J 3.98 1.3E-06 Aldh1a2 aldehyde dehydrogenase family 1, subfamily A2 3.91 3.8E-06 Cdc12 cadherin-like 24 3.79 4.8E-05 Nfa nuclear factor I/A 3.51 3.5E-06 Fst15 follistatin-like 5 3.46 9.6E-07 Ash11 ash1 (absent, small, or homeotic)-like (Drosophila) 3.31 5.3E-07 Ccl21a chemokine (C-C motif) ligand 21A 3.29 4.9E-06 Ras-GTPase-activating protein SH3-domain binding protein 1 5.box and WD-40 domain protein 7 3.23 1.3E-06 Aldy96K07Rik W RIKEN CDINA 4933409K07 gene 3.12 4.4E-06 Arhgef2 fhorward and WD-40 domain protein 7 3.23 1.3E-06 Arhgef2 fhorward way and WD-40 domain protein 7 3.23 1.3E-07 Fbxw7 F-box and WD-40 domain protein 7 3.23 1.3E-07 Ash1 trafficking protein, kinesin binding 1 3.07 9.8E-06 Arhgef2 fhorward way and WD-40 domain protein 7 3.23 1.3E-07 Fibox 1 F-box and WD-40 domain protein 7 3.23 1.3E-07 Fbxw7 F-box and WD-40 domain protein 7 3.23 1.3E-07 Fbxw7 F-box and WD-40 domain protein 7 3.23 1.3E-07 Frak1 trafficking protein, kinesin binding 1 3.07 9.8E-06 Arhgef2 fhor/ac guanine nucleotide exchange factor (GEF) 2 3.08 9.1E-06 Frak2 drafted lipid transfer (START) domain containing 6 2.79 3.6E-05 Flhrpd1 heterogeneous nuclear ribonucleoprotein D-like 2.99 4.4E-09 Flard6 SIAR-related lipid transfer (START) domain containing 6 2.79 3.6E-05 Flord7 pagage12 Rap guanine nucleotide exchange factor (GEF) 2 2.59 1.1E-06 Cas21 castor homolog 1, zinc finger (Drosophila) 2.45 9.2E-06 asparagine-linked glycosylation 6 homolog (yeast, alpha- 1,3-glucosyltransferase) 3.78	Afg3l2		AFG3(ATPase family gene 3)-like 2 (yeast)	7.72	1.1E-08
Cgn         cingulin-like 1         6.81         2.3E-05           Wdr78         WD repeat domain 78         5.81         6.6E-06           Pgm2         phosphoglucomutase 2         5.80         1.0E-06           Frzb         frizzled-related protein         5.74         2.8E-09           Ssfa2         sperm specific antigen 2         5.25         2.2E-05           Olfactory receptor 550         5.03         1.7E-05           Lrba         LPS-responsive beige-like anchor         4.69         2.8E-10           Cdc16         CDC16 cell division cycle 16 homolog (S. cerevisiae)         4.42         3.5E-06           solute carrier family 36 (protor/amino acid symporter),         4.10         1.1E-05           SIc36a1         member 1         4.10         1.1E-05           Ptprj         protein tyrosine phosphatase, receptor type, J         3.98         1.3E-06           Aldh1a2         aldehyde dehydrogenase family 1, subfamily A2         3.91         3.8E-06           Cdh2         cadherin-like 24         3.79         4.6E-05           Nfla         nuclear factor U/A         3.51         3.5E-06           Fstl15         follistatin-like 5         3.4         9.6E-07           Ash11         ash1 (absent, small, or homeot	Anxa6		annexin A6	7.27	6.2E-08
Cgn         cingulin-like 1         6.81         2.3E-05           Wdr/78         WD repeat domain 78         5.81         6.6E-06           Pgm2         phosphoglucomutase 2         5.80         1.0E-06           Frzb         frizzled-related protein         5.74         2.8E-09           Ssfa2         sperm specific antigen 2         5.25         2.2E-05           Olfi650         olfactory receptor 550         5.03         1.7E-05           Lrba         LPS-responsive beige-like anchor         4.69         2.8E-10           Cdc16         CDC16 cell division cycle 16 homolog (S. cerevisiae)         4.42         3.5E-06           Sic36a1         member 1         4.10         1.1E-05           Ptprj         protein tyrosine phosphatase, receptor type, J         3.98         1.3E-06           Aldh1a2         aldehyde dehydrogenase family 1, subfamily A2         3.91         3.8E-05           Cdh2         cadherin-like 24         3.79         4.6E-05           Sh1         nuclear factor I/M         3.51         3.5E-06           Sh2         follistatin-like 5         3.46         9.6E-07           Ash11         ash1 (absent, small, or homeotic)-like (Drosophila)         3.31         5.5E-06           Fst15	Atox1		ATX1 (antioxidant protein 1) homolog 1 (yeast)	7.01	1.1E-08
Wdr/78         WD repeat domain 78         5.81         6.6E-06           Pgm2         phosphoglucomutase 2         5.80         1.0E-06           Frzb         frizzled-related protein         5.74         2.8E-09           Ssfa2         sperm specific antigen 2         5.25         2.2E-05           Olfi650         olfactory receptor 550         5.03         1.7E-05           Lrba         LPS-responsive beige-like anchor         4.69         2.8E-10           Cdc16         CDC16 cell division cycle 16 homolog (S. cerevisiae)         4.42         3.5E-06           solute carrier family 36 (proton/amino acid symporter),         1.1E-05           Slc36a1         member 1         4.10         1.1E-05           Aldh1a2         aldehyde dehydrogenase family 1, subfamily A2         3.91         3.8E-06           Aldh1a2         aldehyde dehydrogenase family 1, subfamily A2         3.91         3.8E-05           Kas         follistatin-like 5         3.46         9.6E-07           Nfa         nuclear factor WA         3.51         3.5E-06           Fstt5         follistatin-like 5         3.46         9.6E-07           Ash11         ash1 (absent, small, or homeotic)-like (Drosophila)         3.27         8.6E-06           Cb21a	Cgn			6.81	2.3E-05
Pgm2         phosphoglucomutase 2         5.80         1.0E-06           Frzb         frizzled-related protein         5.74         2.8E-09           Ssfa2         sperm specific antigen 2         5.25         2.2E-05           Olffs50         olfactory receptor 550         5.03         1.7E-05           Lrba         LPS-responsive beige-like anchor         4.69         2.8E-10           Cdc16         CDC16 cell division cycle 16 homolog (S. cerevisiae)         4.42         3.5E-06           Slc36a1         member 1         4.10         1.1E-05           Ptprj         protein tyrosine phosphatase, receptor type, J         3.98         1.3E-06           Aldh1a2         aldehyde dehydrogenase family 1, subfamily A2         3.91         3.8E-06           Cdh2         cadherin-like 24         3.79         4.6E-05           Mfa         nuclear factor I/A         3.51         3.5E-06           Fst15         follistatin-like 5         3.46         9.6E-07           Ash11         ash1 (absent, small, or homeotic)-like (Drosophila)         3.31         5.3E-07           Ccl21a         chemokine (C-C motif) ligand 21A         3.29         4.9E-06           G3bp1         protein 1         3.22         4.8E-06				5.81	
Frzb					
Ssfa2         sperm specific antigen 2         5.25         2.2E-05           Olifs50         olfactory receptor 550         5.03         1.7E-05           Ltba         LPS-responsive beige-like anchor         4.69         2.8E-10           Cdc16         CDC16 cell division cycle 16 homolog (S. cerevisiae)         4.42         3.5E-06           solute carrier family 36 (protor/amino acid symporter),         1.1E-05           Ptprj         protein tyrosine phosphatase, receptor type, J         3.98         1.3E-06           Aldh1a2         aldehyde dehydrogenase family 1, subfamily A2         3.91         3.8E-06           Mia         nuclear factor I/A         3.51         3.5E-06           Mia         nuclear factor I/A         3.51         3.5E-06           Fett5         follistatin-like 5         3.46         9.6E-07           Ash11         ash1 (absent, small, or homeotic)-like (Drosophila)         3.21         3.5E-06           G3bp1         receptor themokine (C-C motif) ligand 21A         3.29         4.9E-06           G3bp1         Ras-GTPase-activating protein SH3-domain binding protein 1         3.27         8.6E-06           Fbxw7         F-box and WD-40 domain protein 7         3.23         1.3E-07           Spize 1         * spire homolog 1 (Drosophila) <td></td> <td></td> <td></td> <td></td> <td></td>					
Olfractory receptor 550					
Lrba         LPS-responsive beige-like anchor         4.69         2.8E-10           Cdc16         CDC16 cell division cycle 16 homolog (S. cerevisiae)         4.42         3.5E-06           Solute carrier family 36 (proton/amino acid symporter), member 1         4.10         1.1E-05           Ptprj         protein tyrosine phosphatase, receptor type, J         3.98         1.3E-06           Aldh1a2         aldehyde dehydrogenase family 1, subfamily A2         3.91         3.8E-05           Cdh2         cadherin-like 24         3.79         4.6E-05           Nfia         nuclear factor I/A         3.51         3.5E-06           Fstl5         follistatin-like 5         3.46         9.6E-07           Ash11         ash1 (absent, small, or homeotic)-like (Drosophila)         3.31         5.3E-06           Fstl5         follistatin-like 5         3.43         3.29         4.9E-06           Ash11         ash1 (absent, small, or homeotic)-like (Drosophila)         3.21         5.3E-07           Ash11         ash1 (absent, small, or homeotic)-like (Drosophila)         3.27         8.6E-06           G3bp1         protein 1         3.2         2.8E-06         4.9E-06           Fbxw7         F-box and WD-40 domain protein F         3.23         1.3E-07 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
Cdc16			, ,		
Solute carrier family 36 (proton/amino acid symporter), member 1   1.1E-05					
Sic36a1   member 1   member 2   member 2   member 3	Cucio			4.42	3.3L-00
Ptpri	Cl-26-4		1	440	4 4 5 0 5
Aldh1a2					
Cdh2         cadherin-like 24         3.79         4.6E-05           Nfia         nuclear factor I/A         3.51         3.5E-06           Fstl5         follistatin-like 5         3.46         9.6E-07           Ash11         ash1 (absent, small, or homeotic)-like (Drosophila)         3.31         5.3E-07           Ccl21a         chemokine (C-C motif) ligand 21A         3.29         4.9E-06           Ras-GTPase-activating protein SH3-domain binding protein 1         3.27         8.6E-06           Fbxw7         F-box and WD-40 domain protein 7         3.23         1.3E-07           Spire1         * spire homolog 1 (Drosophila)         3.17         7.6E-07           4933409K07Rik         \( \psi * \) RIKEN cDNA 4933409K07 gene         3.12         4.4E-06           Arhgef2         rhorac guanine nucleotide exchange factor (GEF) 2         3.08         9.1E-06           Arhgef2         rhorac guanine nucleotide exchange factor (GEF) 2         3.08         9.1E-06           Vdac1         uotage-dependent anion channel 1         3.07         4.1E-08           Trak1         trafficking protein, kinesin binding 1         3.07         9.8E-06           Trak1         trafficking protein, kinesin binding 1         3.03         4.2E-05           Hnrpd1         heterogeneou					
Nifia					
Fst15					
Ash1I         ash1 (absent, small, or homeotic)-like (Drosophila)         3.31         5.3E-07           Ccl21a         * chemokine (C-C motif) ligand 21A         3.29         4.9E-06           Ras-GTPase-activating protein SH3-domain binding protein 1         3.27         8.6E-06           Fbxw7         F-box and WD-40 domain protein 7         3.23         1.3E-07           Spire1         * spire homolog 1 (Drosophila)         3.17         7.6E-07           4933409K07Rik Ψ * RIKEN cDNA 4933409K07 gene         3.12         4.4E-06           Arhgef2         rho/rac guanine nucleotide exchange factor (GEF) 2         3.08         9.1E-06           Vdac1         voltage-dependent anion channel 1         3.07         4.1E-08           Trak1         trafficking protein, kinesin binding 1         3.07         9.8E-08           Nav1         neuron navigator 1         3.03         4.2E-05           HnrpdI         heterogeneous nuclear ribonucleoprotein D-like         2.99         4.4E-09           Stard6         StAR-related lipid transfer (START) domain containing 6         2.79         3.6E-05           Pegz         pogo transposable element with ZNF domain         2.59         2.0E-06           Rapgef2         Rap guanine nucleotide exchange factor (GEF) 2         2.59         1.1E-06					
Ccl21a         * Chemokine (C-C motif) ligand 21A         3.29         4.9E-06           Ras-GTPase-activating protein SH3-domain binding protein 1         3.27         8.6E-06           Fbxw7         F-box and WD-40 domain protein 7         3.23         1.3E-07           Spire1         * spire homolog 1 (Drosophila)         3.17         7.6E-07           4933409K07Rik         Ψ* RIKEN cDNA 4933409K07 gene         3.12         4.4E-06           Arhgef2         rho/rac guanine nucleotide exchange factor (GEF) 2         3.08         9.1E-06           Vdac1         voltage-dependent anion channel 1         3.07         4.1E-08           Nav1         neuron navigator 1         3.03         4.2E-05           Nav1         neuron navigator 1         3.03         4.2E-05           Hnrpdl         heterogeneous nuclear ribonucleoprotein D-like         2.99         4.4E-09           Stard6         StAR-related lipid transfer (START) domain containing 6         2.79         3.6E-05           Pet1112         PET112-like (yeast)         2.65         1.7E-06           Pogz         pogo transposable element with ZNF domain         2.59         2.0E-06           Rapgef2         Rap guanine nucleotide exchange factor (GEF) 2         2.59         1.1E-06           Hnrph1 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
Ras-GTPase-activating protein SH3-domain binding protein 1   3.27   8.6E-06					
G3bp1         protein 1         3.27         8.6E-06           Fbxw7         F-box and WD-40 domain protein 7         3.23         1.3E-07           Spire1         * spire homolog 1 (Drosophila)         3.17         7.6E-07           4933409K07Rik         ₩ RIKEN cDNA 4933409K07 gene         3.12         4.4E-06           Arhgef2         rho/rac guanine nucleotide exchange factor (GEF) 2         3.08         9.1E-06           Vdac1         voltage-dependent anion channel 1         3.07         4.1E-08           Trak1         trafficking protein, kinesin binding 1         3.07         9.8E-06           Nav1         neuron navigator 1         3.03         4.2E-05           Hnrpdl         heterogeneous nuclear ribonucleoprotein D-like         2.99         4.4E-09           Stard6         StAR-related lipid transfer (START) domain containing 6         2.79         3.6E-05           Pet112l         PET112-like (yeast)         2.65         1.7E-06           Pogz         pogo transposable element with ZNF domain         2.59         2.0E-06           Rapgef2         Rap guanine nucleotide exchange factor (GEF) 2         2.59         1.1E-06           Hnrnph1         heterogeneous nuclear ribonucleoprotein H1         2.45         6.7E-08           Casz1         <	Ccl21a	*		3.29	4.9E-06
Fbxw7         F-box and WD-40 domain protein 7         3.23         1.3E-07           Spire1         * spire homolog 1 (Drosophila)         3.17         7.6E-07           4933409K07Rik         Ψ * RIKEN cDNA 4933409K07 gene         3.12         4.4E-06           Arhgef2         rho/rac guanine nucleotide exchange factor (GEF) 2         3.08         9.1E-06           Vdac1         voltage-dependent anion channel 1         3.07         4.1E-08           Trak1         trafficking protein, kinesin binding 1         3.07         9.8E-06           Nav1         neuron navigator 1         3.03         4.2E-05           Hnrpdl         heterogeneous nuclear ribonucleoprotein D-like         2.99         4.4E-09           Stard6         StAR-related lipid transfer (START) domain containing 6         2.79         3.6E-05           Pet112l         PET112-like (yeast)         2.65         1.7E-06           Pogz         pogo transposable element with ZNF domain         2.59         2.0E-06           Rapgef2         Rap guanine nucleotide exchange factor (GEF) 2         2.59         1.1E-06           Hnrnph1         heterogeneous nuclear ribonucleoprotein H1         2.45         6.7E-08           Casz1         castor homolog 1, zinc finger (Drosophila)         2.45         9.2E-06 <t< td=""><td></td><td></td><td>Ras-GTPase-activating protein SH3-domain binding</td><td></td><td></td></t<>			Ras-GTPase-activating protein SH3-domain binding		
Spire1         *         spire homolog 1 (Drosophila)         3.17         7.6E-07           4933409K07Rik         Y *         RIKEN cDNA 4933409K07 gene         3.12         4.4E-06           Arhgef2         rho/rac guanine nucleotide exchange factor (GEF) 2         3.08         9.1E-06           Vdac1         voltage-dependent anion channel 1         3.07         4.1E-08           Trak1         trafficking protein, kinesin binding 1         3.07         9.8E-06           Nav1         neuron navigator 1         3.03         4.2E-05           Hnrpdl         heterogeneous nuclear ribonucleoprotein D-like         2.99         4.4E-09           Stard6         StAR-related lipid transfer (START) domain containing 6         2.79         3.6E-05           Pet112l         PET112-like (yeast)         2.65         1.7E-06           Pogz         pogo transposable element with ZNF domain         2.59         2.0E-06           Rapgef2         Rap guanine nucleotide exchange factor (GEF) 2         2.59         1.1E-06           Hnrnph1         heterogeneous nuclear ribonucleoprotein H1         2.45         6.7E-08           Casz1         castor homolog 1, zinc finger (Drosophila)         2.45         9.2E-06           Alg6         1,3,-glucosyltransferase)         2.40         1.2E	G3bp1		protein 1	3.27	8.6E-06
4933409K07Rik         Ψ *         RIKEN cDNA 4933409K07 gene         3.12         4.4E-06           Arhgef2         rho/rac guanine nucleotide exchange factor (GEF) 2         3.08         9.1E-06           Vdac1         voltage-dependent anion channel 1         3.07         4.1E-08           Trak1         trafficking protein, kinesin binding 1         3.07         9.8E-06           Nav1         neuron navigator 1         3.03         4.2E-05           Hnrpdl         heterogeneous nuclear ribonucleoprotein D-like         2.99         4.4E-09           Stard6         StAR-related lipid transfer (START) domain containing 6         2.79         3.6E-05           Pet112l         PET112-like (yeast)         2.65         1.7E-06           Pogz         pogo transposable element with ZNF domain         2.59         2.0E-06           Rapgef2         Rap guanine nucleotide exchange factor (GEF) 2         2.59         1.1E-06           Hnrnph1         heterogeneous nuclear ribonucleoprotein H1         2.45         6.7E-08           Casz1         castor homolog 1, zinc finger (Drosophila)         2.45         9.2E-06           Alg6         1,3,-glucosyltransferase)         2.40         1.2E-05           Cd164         CD164 antigen         2.39         4.3E-07	Fbxw7		F-box and WD-40 domain protein 7	3.23	1.3E-07
Arhgef2         rho/rac guanine nucleotide exchange factor (GEF) 2         3.08         9.1E-06           Vdac1         voltage-dependent anion channel 1         3.07         4.1E-08           Trak1         trafficking protein, kinesin binding 1         3.07         9.8E-06           Nav1         neuron navigator 1         3.03         4.2E-05           Hnrpdl         heterogeneous nuclear ribonucleoprotein D-like         2.99         4.4E-09           Stard6         StAR-related lipid transfer (START) domain containing 6         2.79         3.6E-05           Pet112l         PET112-like (yeast)         2.65         1.7E-06           Pogz         pogo transposable element with ZNF domain         2.59         2.0E-06           Rapgef2         Rap guanine nucleotide exchange factor (GEF) 2         2.59         1.1E-06           Hnrnph1         heterogeneous nuclear ribonucleoprotein H1         2.45         6.7E-08           Casz1         castor homolog 1, zinc finger (Drosophila)         2.45         9.2E-06           Alg6         1,3,-glucosyltransferase)         2.40         1.2E-05           Cd164         CD164 antigen         2.39         4.3E-07           Lgr5         5         2.32         4.4E-05           D030074E01Rik         RIKEN cDNA D030074E	Spire1	*		3.17	7.6E-07
Vdac1         voltage-dependent anion channel 1         3.07         4.1E-08           Trak1         trafficking protein, kinesin binding 1         3.07         9.8E-06           Nav1         neuron navigator 1         3.03         4.2E-05           Hnrpdl         heterogeneous nuclear ribonucleoprotein D-like         2.99         4.4E-09           Stard6         StAR-related lipid transfer (START) domain containing 6         2.79         3.6E-05           Pet112l         PET112-like (yeast)         2.65         1.7E-06           Pogz         pogo transposable element with ZNF domain         2.59         2.0E-06           Rapgef2         Rap guanine nucleotide exchange factor (GEF) 2         2.59         1.1E-06           Hnrnph1         heterogeneous nuclear ribonucleoprotein H1         2.45         6.7E-08           Casz1         castor homolog 1, zinc finger (Drosophila)         2.45         9.2E-06           Alg6         1,3,-glucosyltransferase)         2.40         1.2E-05           Cd164         CD164 antigen         2.39         4.3E-05           Lgr5         5         2.32         4.4E-05           D030074E01Rik         RIKEN cDNA D030074E01 gene         2.17         3.2E-05           gamma 2         3.7E-06         3.7E-06     <	4933409K07Rik	Ψ*	RIKEN cDNA 4933409K07 gene	3.12	4.4E-06
Trak1         trafficking protein, kinesin binding 1         3.07         9.8E-06           Nav1         neuron navigator 1         3.03         4.2E-05           Hnrpdl         heterogeneous nuclear ribonucleoprotein D-like         2.99         4.4E-09           Stard6         StAR-related lipid transfer (START) domain containing 6         2.79         3.6E-05           Pet112l         PET112-like (yeast)         2.65         1.7E-06           Pogz         pogo transposable element with ZNF domain         2.59         2.0E-06           Rapgef2         Rap guanine nucleotide exchange factor (GEF) 2         2.59         1.1E-06           Hnrnph1         heterogeneous nuclear ribonucleoprotein H1         2.45         6.7E-08           Casz1         castor homolog 1, zinc finger (Drosophila)         2.45         9.2E-06           asparagine-linked glycosylation 6 homolog (yeast, alpha-1,3,-glucosyltransferase)         2.40         1.2E-05           Cd164         CD164 antigen         2.39         4.3E-07           Lgr5         5         2.32         4.4E-05           D030074E01Rik         RIKEN cDNA D030074E01 gene         2.17         3.2E-05           Gabrg2         gamma 2         2.06         3.7E-06           Tbc1d15         TBC1 domain family, member 15	Arhgef2		rho/rac guanine nucleotide exchange factor (GEF) 2	3.08	9.1E-06
Nav1         neuron navigator 1         3.03         4.2E-05           Hnrpdl         heterogeneous nuclear ribonucleoprotein D-like         2.99         4.4E-09           Stard6         StAR-related lipid transfer (START) domain containing 6         2.79         3.6E-05           Pet112l         PET112-like (yeast)         2.65         1.7E-06           Pogz         pogo transposable element with ZNF domain         2.59         2.0E-06           Rapgef2         Rap guanine nucleotide exchange factor (GEF) 2         2.59         1.1E-06           Hnrnph1         heterogeneous nuclear ribonucleoprotein H1         2.45         6.7E-08           Casz1         castor homolog 1, zinc finger (Drosophila)         2.45         9.2E-06           asparagine-linked glycosylation 6 homolog (yeast, alpha-1,3,-glucosyltransferase)         2.40         1.2E-05           Cd164         CD164 antigen         2.39         4.3E-07           Lgr5         5         2.32         4.4E-05           D030074E01Rik         RIKEN cDNA D030074E01 gene         2.17         3.2E-05           Gabrg2         gamma 2         2.06         3.7E-06           Tbc1d15         TBC1 domain family, member 15         1.87         1.4E-05           Rp6         ribosomal protein S6 kinase polypeptide 3 <td>Vdac1</td> <td></td> <td>voltage-dependent anion channel 1</td> <td>3.07</td> <td>4.1E-08</td>	Vdac1		voltage-dependent anion channel 1	3.07	4.1E-08
Nav1         neuron navigator 1         3.03         4.2E-05           Hnrpdl         heterogeneous nuclear ribonucleoprotein D-like         2.99         4.4E-09           Stard6         StAR-related lipid transfer (START) domain containing 6         2.79         3.6E-05           Pet112l         PET112-like (yeast)         2.65         1.7E-06           Pogz         pogo transposable element with ZNF domain         2.59         2.0E-06           Rapgef2         Rap guanine nucleotide exchange factor (GEF) 2         2.59         1.1E-06           Hnrnph1         heterogeneous nuclear ribonucleoprotein H1         2.45         6.7E-08           Casz1         castor homolog 1, zinc finger (Drosophila)         2.45         9.2E-06           asparagine-linked glycosylation 6 homolog (yeast, alpha-1,3,-glucosyltransferase)         2.40         1.2E-05           Cd164         CD164 antigen         2.39         4.3E-07           Lgr5         5         2.32         4.4E-05           D030074E01Rik         RIKEN cDNA D030074E01 gene         2.17         3.2E-05           Gabrg2         gamma 2         2.06         3.7E-06           Tbc1d15         TBC1 domain family, member 15         1.87         1.4E-05           Rp6         ribosomal protein S6 kinase polypeptide 3 <td>Trak1</td> <td></td> <td>trafficking protein, kinesin binding 1</td> <td>3.07</td> <td>9.8E-06</td>	Trak1		trafficking protein, kinesin binding 1	3.07	9.8E-06
Higher   H	Nav1				
Stard6         StAR-related lipid transfer (START) domain containing 6         2.79         3.6E-05           Pet112l         PET112-like (yeast)         2.65         1.7E-06           Pogz         pogo transposable element with ZNF domain         2.59         2.0E-06           Rapgef2         Rap guanine nucleotide exchange factor (GEF) 2         2.59         1.1E-06           Hnrnph1         heterogeneous nuclear ribonucleoprotein H1         2.45         6.7E-08           Casz1         castor homolog 1, zinc finger (Drosophila)         2.45         9.2E-06           asparagine-linked glycosylation 6 homolog (yeast, alphalasparagine-linked glycosylation 6 homolog (yeast, alphalasparagine	Hnrpdl		heterogeneous nuclear ribonucleoprotein D-like		4.4E-09
Pet112I         PET112-like (yeast)         2.65         1.7E-06           Pogz         pogo transposable element with ZNF domain         2.59         2.0E-06           Rapgef2         Rap guanine nucleotide exchange factor (GEF) 2         2.59         1.1E-06           Hnrnph1         heterogeneous nuclear ribonucleoprotein H1         2.45         6.7E-08           Casz1         castor homolog 1, zinc finger (Drosophila)         2.45         9.2E-06           asparagine-linked glycosylation 6 homolog (yeast, alpha-1,3,-glucosyltransferase)         2.40         1.2E-05           Cd164         CD164 antigen         2.39         4.3E-07           Lgr5         5         2.32         4.4E-05           D030074E01Rik         RIKEN cDNA D030074E01 gene         2.17         3.2E-05           gamma-aminobutyric acid (GABA) A receptor, subunit         gamma 2         2.06         3.7E-06           Tbc1d15         TBC1 domain family, member 15         1.87         1.4E-05           Rps6         ribosomal protein S6 kinase polypeptide 3         1.80         1.3E-09           Pde8b         phosphodiesterase 8B         1.78         3.4E-06           Poli         poliovirus receptor-related 1         1.71         1.7E-05           Zc3h15         zinc finger CCCH-type containi					
Pogz         pogo transposable element with ZNF domain         2.59         2.0E-06           Rapgef2         Rap guanine nucleotide exchange factor (GEF) 2         2.59         1.1E-06           Hnrnph1         heterogeneous nuclear ribonucleoprotein H1         2.45         6.7E-08           Casz1         castor homolog 1, zinc finger (Drosophila)         2.45         9.2E-06           asparagine-linked glycosylation 6 homolog (yeast, alpha-1,3,-glucosyltransferase)         2.40         1.2E-05           Cd164         CD164 antigen         2.39         4.3E-07           leucine rich repeat containing G protein coupled receptor         5         2.32         4.4E-05           D030074E01Rik         RIKEN cDNA D030074E01 gene         2.17         3.2E-05           gamma-aminobutyric acid (GABA) A receptor, subunit         2.06         3.7E-06           Tbc1d15         TBC1 domain family, member 15         1.87         1.4E-05           Rps6         ribosomal protein S6 kinase polypeptide 3         1.80         1.3E-09           Pde8b         phosphodiesterase 8B         1.78         3.4E-06           Poli         poliovirus receptor-related 1         1.71         1.7E-05           Zc3h15         zinc finger CCCH-type containing 15         1.60         6.2E-09					
Rapgef2         Rap guanine nucleotide exchange factor (GEF) 2         2.59         1.1E-06           Hnrnph1         heterogeneous nuclear ribonucleoprotein H1         2.45         6.7E-08           Casz1         castor homolog 1, zinc finger (Drosophila)         2.45         9.2E-06           Alg6         asparagine-linked glycosylation 6 homolog (yeast, alphali, 3,-glucosyltransferase)         2.40         1.2E-05           Cd164         CD164 antigen         2.39         4.3E-07           leucine rich repeat containing G protein coupled receptor         5         2.32         4.4E-05           Lgr5         5         2.32         4.4E-05           D030074E01Rik         RIKEN cDNA D030074E01 gene         2.17         3.2E-05           gamma-aminobutyric acid (GABA) A receptor, subunit gamma 2         2.06         3.7E-06           Tbc1d15         TBC1 domain family, member 15         1.87         1.4E-05           Rps6         ribosomal protein S6 kinase polypeptide 3         1.80         1.3E-09           Pde8b         phosphodiesterase 8B         1.78         3.4E-06           Poli         poliovirus receptor-related 1         1.71         1.7E-05           Zc3h15         zinc finger CCCH-type containing 15         1.60         6.2E-09					
Hnrrph1         heterogeneous nuclear ribonucleoprotein H1         2.45         6.7E-08           Casz1         castor homolog 1, zinc finger (Drosophila)         2.45         9.2E-06           Alg6         asparagine-linked glycosylation 6 homolog (yeast, alpha-1,3,-glucosyltransferase)         2.40         1.2E-05           Cd164         CD164 antigen         2.39         4.3E-07           Lgr5         5         2.32         4.4E-05           D030074E01Rik         RIKEN cDNA D030074E01 gene         2.17         3.2E-05           gamma-aminobutyric acid (GABA) A receptor, subunit         gamma 2         2.06         3.7E-06           Tbc1d15         TBC1 domain family, member 15         1.87         1.4E-05           Rps6         ribosomal protein S6 kinase polypeptide 3         1.80         1.3E-09           Pde8b         phosphodiesterase 8B         1.78         3.4E-06           Poli         poliovirus receptor-related 1         1.71         1.7E-05           Zc3h15         zinc finger CCCH-type containing 15         1.60         6.2E-09					
Casz1         castor homolog 1, zinc finger (Drosophila)         2.45         9.2E-06           asparagine-linked glycosylation 6 homolog (yeast, alpha-1,3,-glucosyltransferase)         2.40         1.2E-05           Cd164         CD164 antigen         2.39         4.3E-07           Lgr5         5         2.32         4.4E-05           D030074E01Rik         RIKEN cDNA D030074E01 gene         2.17         3.2E-05           gamma-aminobutyric acid (GABA) A receptor, subunit gamma 2         2.06         3.7E-06           Tbc1d15         TBC1 domain family, member 15         1.87         1.4E-05           Rps6         ribosomal protein S6 kinase polypeptide 3         1.80         1.3E-09           Pde8b         phosphodiesterase 8B         1.78         3.4E-06           Poli         poliovirus receptor-related 1         1.71         1.7E-05           Zc3h15         zinc finger CCCH-type containing 15         1.60         6.2E-09					
asparagine-linked glycosylation 6 homolog (yeast, alpha-1,3,-glucosyltransferase)					
Alg6       1,3,-glucosyltransferase)       2.40       1.2E-05         Cd164       CD164 antigen       2.39       4.3E-07         leucine rich repeat containing G protein coupled receptor       2.32       4.4E-05         D030074E01Rik       RIKEN cDNA D030074E01 gene       2.17       3.2E-05         gamma-aminobutyric acid (GABA) A receptor, subunit       gamma 2       2.06       3.7E-06         Tbc1d15       TBC1 domain family, member 15       1.87       1.4E-05         Rps6       ribosomal protein S6 kinase polypeptide 3       1.80       1.3E-09         Pde8b       phosphodiesterase 8B       1.78       3.4E-06         Poli       poliovirus receptor-related 1       1.71       1.7E-05         Zc3h15       zinc finger CCCH-type containing 15       1.60       6.2E-09	00021			2.70	0.22 00
Cd164         CD164 antigen         2.39         4.3E-07           leucine rich repeat containing G protein coupled receptor         2.32         4.4E-05           D030074E01Rik         RIKEN cDNA D030074E01 gene         2.17         3.2E-05           gamma-aminobutyric acid (GABA) A receptor, subunit gamma 2         2.06         3.7E-06           Tbc1d15         TBC1 domain family, member 15         1.87         1.4E-05           Rps6         ribosomal protein S6 kinase polypeptide 3         1.80         1.3E-09           Pde8b         phosphodiesterase 8B         1.78         3.4E-06           Poli         poliovirus receptor-related 1         1.71         1.7E-05           Zc3h15         zinc finger CCCH-type containing 15         1.60         6.2E-09	Alg6			2 40	1 2F_05
Lgr5			, , , ,		
Lgr5         5         2.32         4.4E-05           D030074E01Rik         RIKEN cDNA D030074E01 gene         2.17         3.2E-05           gamma-aminobutyric acid (GABA) A receptor, subunit gamma 2         2.06         3.7E-06           Tbc1d15         TBC1 domain family, member 15         1.87         1.4E-05           Rps6         ribosomal protein S6 kinase polypeptide 3         1.80         1.3E-09           Pde8b         phosphodiesterase 8B         1.78         3.4E-06           Poli         poliovirus receptor-related 1         1.71         1.7E-05           Zc3h15         zinc finger CCCH-type containing 15         1.60         6.2E-09	OU 104			2.59	7.3E-07
D030074E01Rik         RIKEN cDNA D030074E01 gene         2.17         3.2E-05           gamma-aminobutyric acid (GABA) A receptor, subunit gamma 2         2.06         3.7E-06           Tbc1d15         TBC1 domain family, member 15         1.87         1.4E-05           Rps6         ribosomal protein S6 kinase polypeptide 3         1.80         1.3E-09           Pde8b         phosphodiesterase 8B         1.78         3.4E-06           Poli         poliovirus receptor-related 1         1.71         1.7E-05           Zc3h15         zinc finger CCCH-type containing 15         1.60         6.2E-09	l ar5			2 22	4 45 05
Gabrg2         gamma-aminobutyric acid (GABA) A receptor, subunit         2.06         3.7E-06           Tbc1d15         TBC1 domain family, member 15         1.87         1.4E-05           Rps6         ribosomal protein S6 kinase polypeptide 3         1.80         1.3E-09           Pde8b         phosphodiesterase 8B         1.78         3.4E-06           Poli         poliovirus receptor-related 1         1.71         1.7E-05           Zc3h15         zinc finger CCCH-type containing 15         1.60         6.2E-09					
Gabrg2         gamma 2         2.06         3.7E-06           Tbc1d15         TBC1 domain family, member 15         1.87         1.4E-05           Rps6         ribosomal protein S6 kinase polypeptide 3         1.80         1.3E-09           Pde8b         phosphodiesterase 8B         1.78         3.4E-06           Poli         poliovirus receptor-related 1         1.71         1.7E-05           Zc3h15         zinc finger CCCH-type containing 15         1.60         6.2E-09	DUSUU/4EUTRIK			2.1/	J3.∠E-U5
Tbc1d15         TBC1 domain family, member 15         1.87         1.4E-05           Rps6         ribosomal protein S6 kinase polypeptide 3         1.80         1.3E-09           Pde8b         phosphodiesterase 8B         1.78         3.4E-06           Poli         poliovirus receptor-related 1         1.71         1.7E-05           Zc3h15         zinc finger CCCH-type containing 15         1.60         6.2E-09	0.10		1		0.75.00
Rps6         ribosomal protein S6 kinase polypeptide 3         1.80         1.3E-09           Pde8b         phosphodiesterase 8B         1.78         3.4E-06           Poli         poliovirus receptor-related 1         1.71         1.7E-05           Zc3h15         zinc finger CCCH-type containing 15         1.60         6.2E-09					
Pde8b         phosphodiesterase 8B         1.78         3.4E-06           Poli         poliovirus receptor-related 1         1.71         1.7E-05           Zc3h15         zinc finger CCCH-type containing 15         1.60         6.2E-09					
Poli         poliovirus receptor-related 1         1.71         1.7E-05           Zc3h15         zinc finger CCCH-type containing 15         1.60         6.2E-09					
Zc3h15 zinc finger CCCH-type containing 15 1.60 6.2E-09					
	Poli			1.71	
Zfp2 zinc finger protein 26 1.54 1.8E-05	Zc3h15		zinc finger CCCH-type containing 15	1.60	6.2E-09
	Zfp2		zinc finger protein 26	1.54	1.8E-05

Mta2		metastasis-associated gene family, member 2	1.50	9.6E-06
Otnna1	<del>                                     </del>		1.44	3.6E-05
Asns		catenin (cadherin associated protein), alpha 1 asparagine synthetase domain containing 1	1.44	1.3E-06
		, v ,	1.34	3.1E-05
Clasp1		CLIP associating protein 1  cAMP responsive element binding protein 1	1.34	1.5E-06
Creb1			1.17	
Ср		ceruloplasmin transmembrane protein with EGF-like and two follistatin-	1.17	2.9E-06
T #1			4 22	2 55 05
Tmeff1		like domains 1	-1.23	2.5E-05
Guf1		GUF1 GTPase homolog (S. cerevisiae)	-1.30	2.5E-05
C030002C11Rik		hypothetical LOC320400	-1.33	3.9E-05
1700047I17Rik1	*	RIKEN cDNA 1700047I17 gene 1	-1.35	4.4E-05
Rabif		RAB interacting factor	-1.35	2.3E-05
Xpa Carrold		xeroderma pigmentosum, complementation group A	-1.36	7.4E-06
Snx24		sorting nexing 24	-1.41	2.8E-05
Zdhhc3		zinc finger, DHHC domain containing 3	-1.41	1.7E-05
Dnajc10		DnaJ (Hsp40) homolog, subfamily C, member 10	-1.42 -1.48	3.3E-07 1.7E-05
Cnot10		CCR4-NOT transcription complex, subunit 10	-1.48	1.7E-05
Di-A		protein (peptidyl-prolyl cis/trans isomerase) NIMA-	4.40	0.45.05
Pin4		interacting, 4 (parvulin)	-1.48	2.1E-05
Mest	*	mesoderm specific transcript	-1.48	2.2E-05
Cd59a		CD59a antigen	-1.49	9.7E-06
D14Ertd449e	*	DNA segment, Chr 14, ERATO Doi 449, expressed	-1.62	2.4E-06
Slc26a7		solute carrier family 26, member 7	-1.75	7.3E-07
Rbm45		RNA binding motif protein 45	-1.78	4.1E-05
BC016201		cDNA sequence BC016201	-1.82	1.6E-06
A - 1 - 41-		ankyrin repeat and sterile alpha motif domain containing	0.07	- 45 00
Anks1b		1B	-2.07	5.1E-06
Higd1a	) W. (	HIG1 domain family, member 1A	-2.30	1.6E-12
Dynlt1	Ψ*	dynein light chain Tctex-type 1	-2.32	1.4E-05
Cerkl	*	ceramide kinase-like	-2.39	5.5E-06
Smc2		structural maintenance of chromosomes 2	-2.41	9.7E-06
Cfhr3		complement factor H-related 3	-2.43	2.5E-05
Itga4	*	integrin alpha 4	-2.45	3.0E-06
l		upper zone of growth plate and cartilage matrix		
Ucma		associated	-2.49	9.0E-06
Arpc5		actin related protein 2/3 complex, subunit 5-like	-2.59	1.1E-05
Shisa4	*	shisa homolog 4 (Xenopus laevis)	-2.64	1.1E-06
Rgl1		ral guanine nucleotide dissociation stimulator,-like 1	-2.64	2.0E-05
Tsn	*	translin	-2.68	3.2E-06
		glycine amidinotransferase (L-arginine:glycine		
Gatm		amidinotransferase)	-2.75	3.6E-05
Tmem144		transmembrane protein 144	-3.12	1.6E-05
Dpp10		dipeptidylpeptidase 10	-3.20	3.9E-05
Nmnat1	*	nicotinamide nucleotide adenylyltransferase 1	-3.40	1.9E-05
Timm17a	*	translocase of inner mitochondrial membrane 17a	-3.49	1.0E-07
Ppp1r12b	*	protein phosphatase 1, regulatory (inhibitor) subunit 12B	-3.54	2.4E-06
Cdh7	*	cadherin 7, type 2	-4.19	7.9E-08
Lyrm7	*	LYR motif containing 7	-4.66	2.0E-06
Dars	<b>*</b> *	aspartyl-tRNA synthetase	-4.75	9.6E-06
		minichromosome maintenance deficient 6 (MIS5 homolog,		
Mcm6	Ψ*	S. pombe) (S. cerevisiae)	-5.05	7.5E-06
Ube2t	*	ubiquitin-conjugating enzyme E2T (putative)	-5.33	2.9E-05
Dbi	Ψ	diazepam binding inhibitor	-6.81	2.6E-06
Kdm5b	*	lysine (K)-specific demethylase 5B	-6.90	1.7E-08
Zc3h11a	*	zinc finger CCCH type containing 11A	-7.39	1.1E-08
Cfhr2	<b>*</b> *	complement factor H-related 2	-10.14	2.5E-06
		calcium channel, voltage-dependent, L type, alpha 1S		
Cacna1s		subunit	-11.39	1.4E-05
Btnl9		butyrophilin-like 9	-14.55	4.4E-08
Snca	Ψ*	synuclein, alpha	-19.11	3.8E-07
Cfh	<b>.</b> Ψ*	complement component factor h	-22.76	1.0E-06
EG214403	<b>.</b> *	predicted gene, EG214403	-28.09	1.0E-08

- 4 Supplementary Table S5. Genes differentially expressed in neuroretina of aged Cfh<sup>-/-</sup> mice.
- 5 Microarray analysis revealed which genes were significantly differentially expressed in the
- 6 neuroretina of aged *Cfh*<sup>-/-</sup> mice compared to age-matched wild-type controls. Genes listed in fold
- 7 change (FC) order. Key: ♠, gene also differentially expressed in young) Cfh<sup>-/-</sup> neuroretina in
- 8 comparison to age-matched wild-type controls; Ψ, gene also differentially expressed in
- 9 RPE/choroid of *Cfh*<sup>-/-</sup> mice when compared to age matched wild-type controls; \*, large gene with
- more than one probe set that showed significant differential expression.