

Targeting CXCL12/CXCR4 Signaling with AMD3100 Might Selectively Suppress CXCR4+ T Cell Chemotaxis Leading to the Alleviation of Chronic Prostatitis

Running title: AMD3100 alleviates chronic prostatitis

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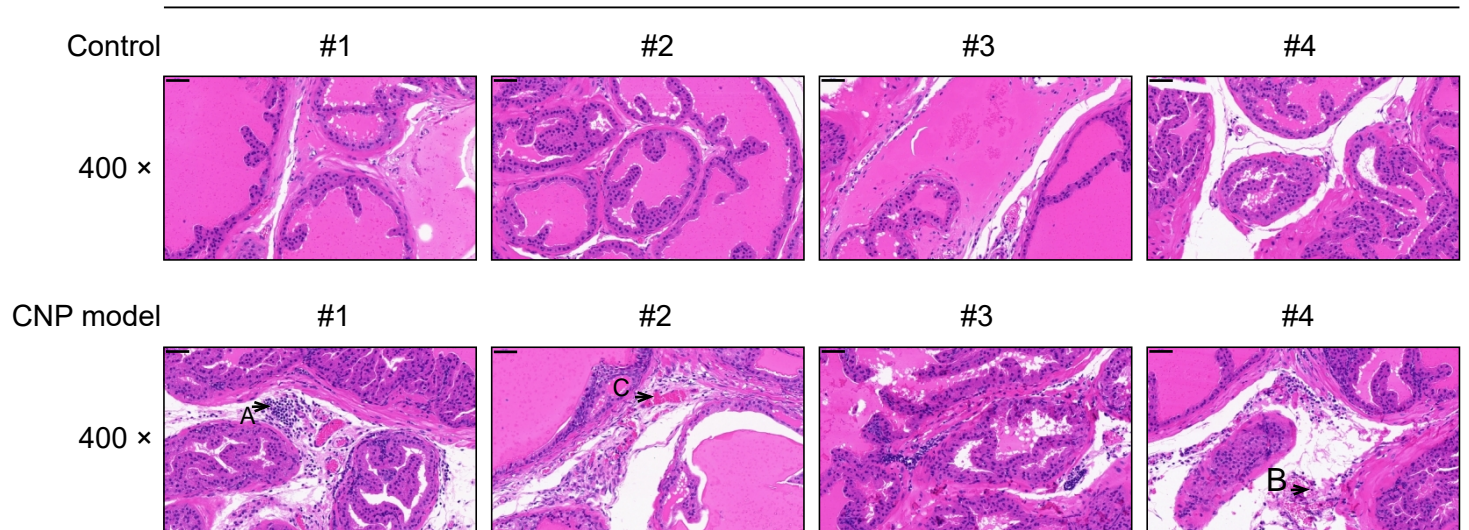
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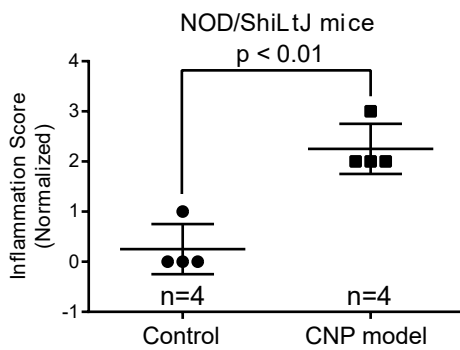
Supplementary files: Supplementary Figure 1-8 & Supplementary Table 1-7

A

NOD/ShiLtJ Mice

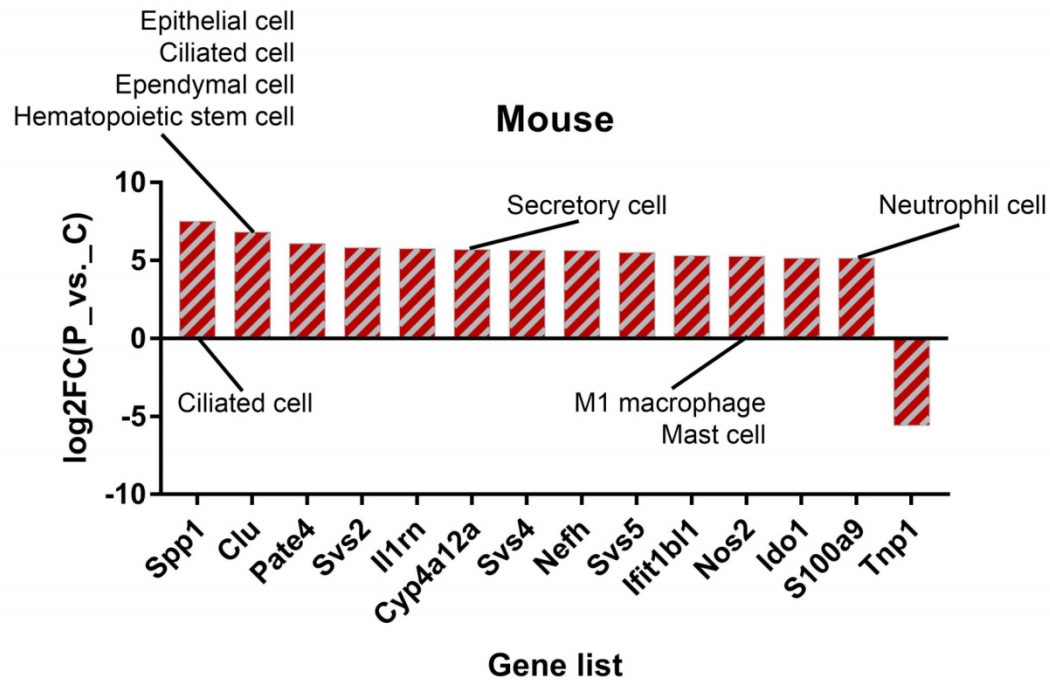


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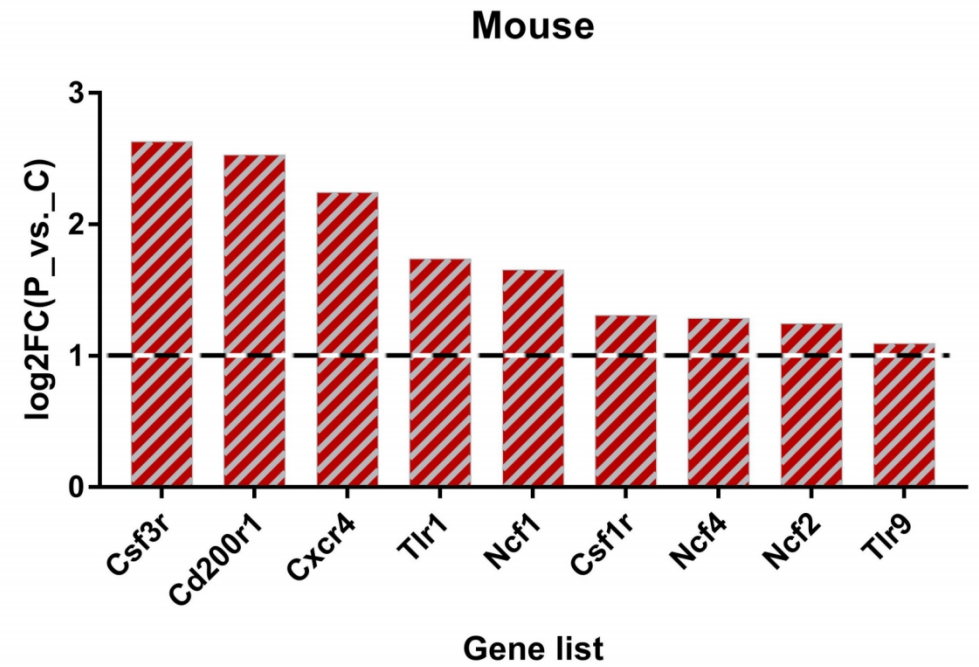


Supplementary Figure S1. Hematoxylin and eosin (HE) staining of the prostate tissues derived from chronic nonbacteria prostatitis (CNP) mice models and negative controls. A. Inflammatory cell infiltration (arrow A, T cells; arrow B, neutrophils) and vascular congestion (arrow C) were observed in the CNP group; B. Quantification of inflammation scores between mice models and negative controls. Note: The scale bar is 50 μ m. Each group contained four mice.

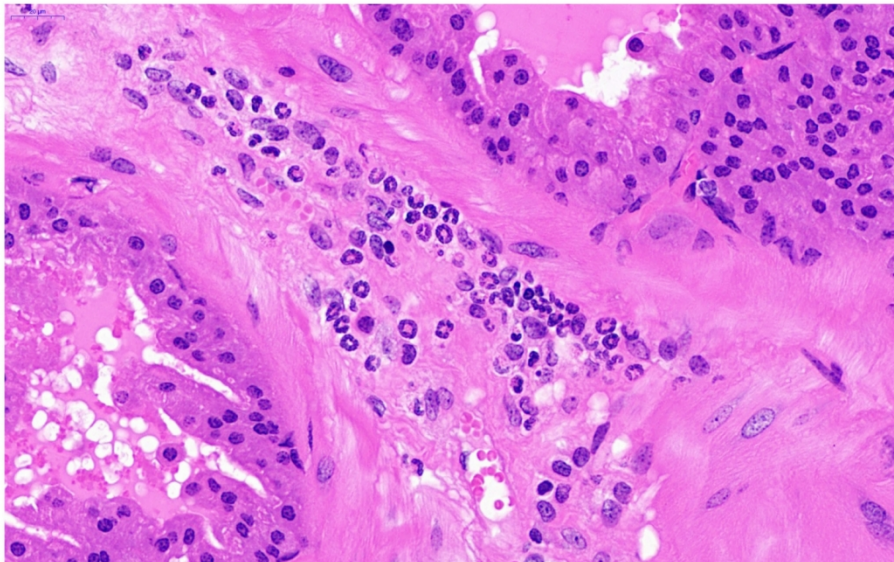
A



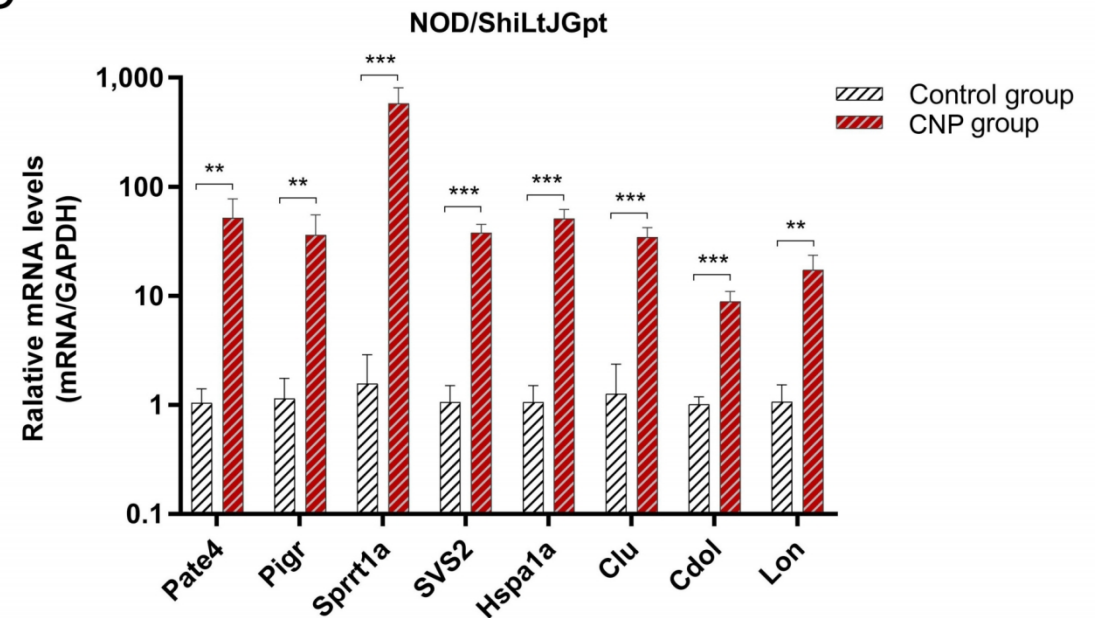
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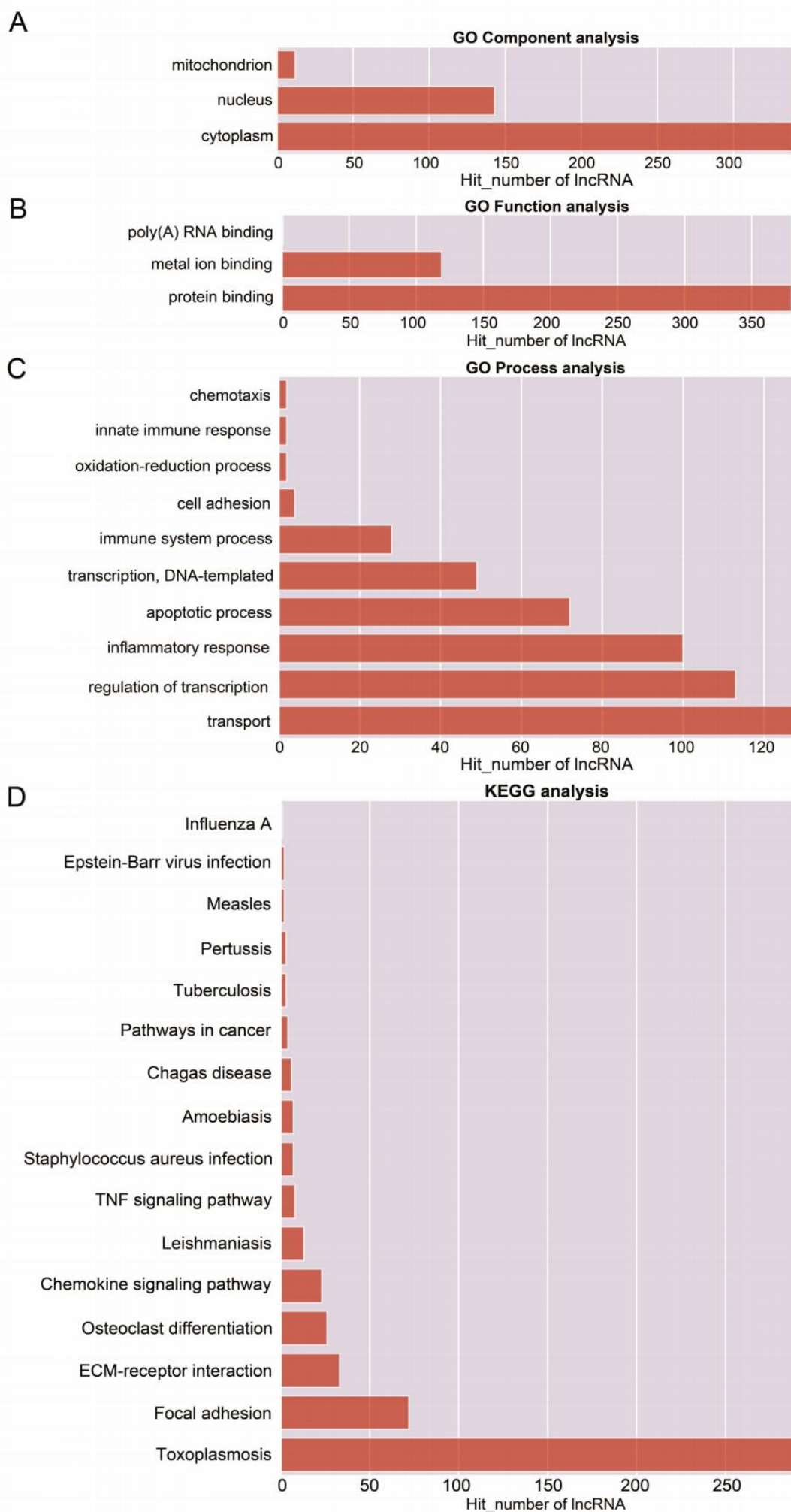
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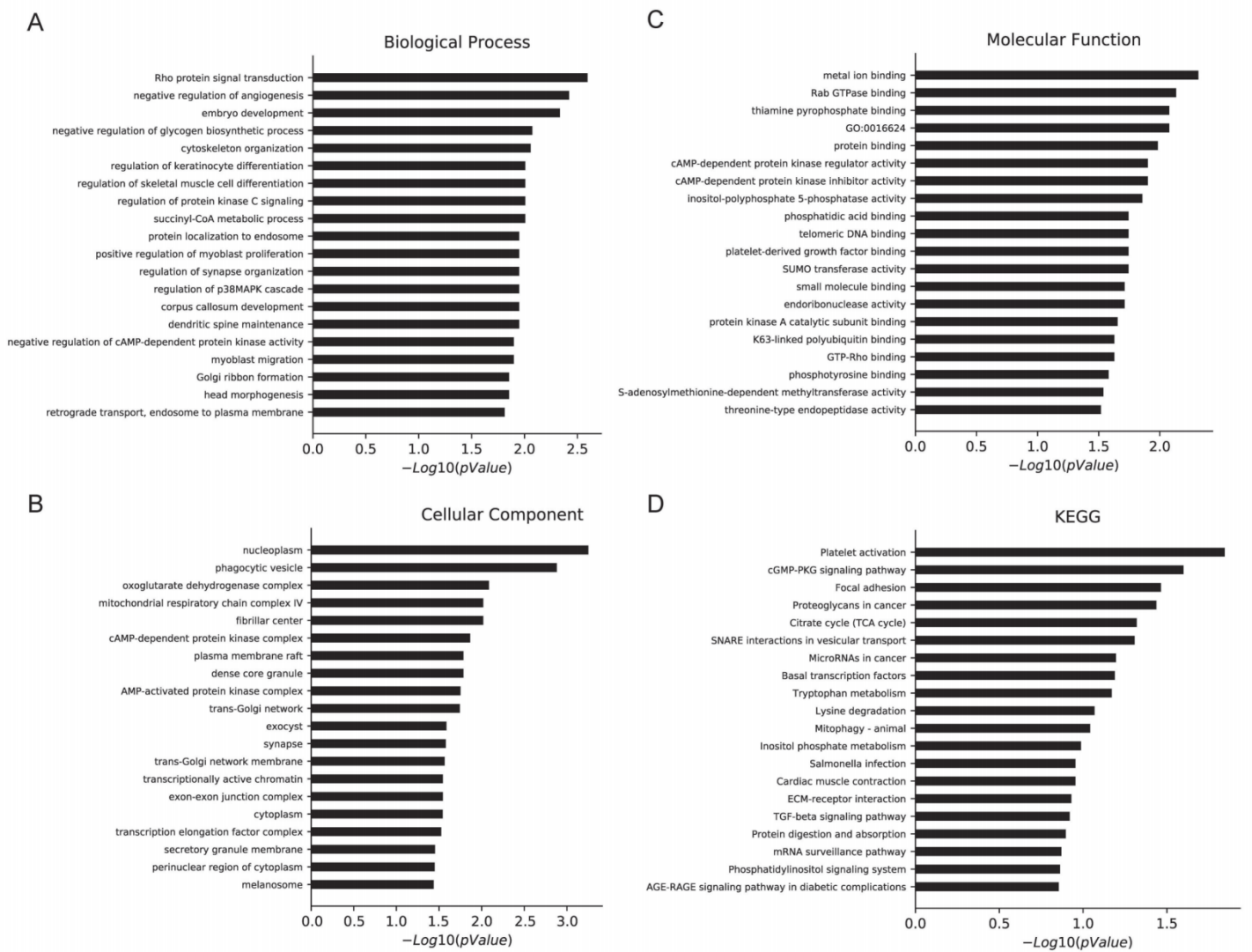
D



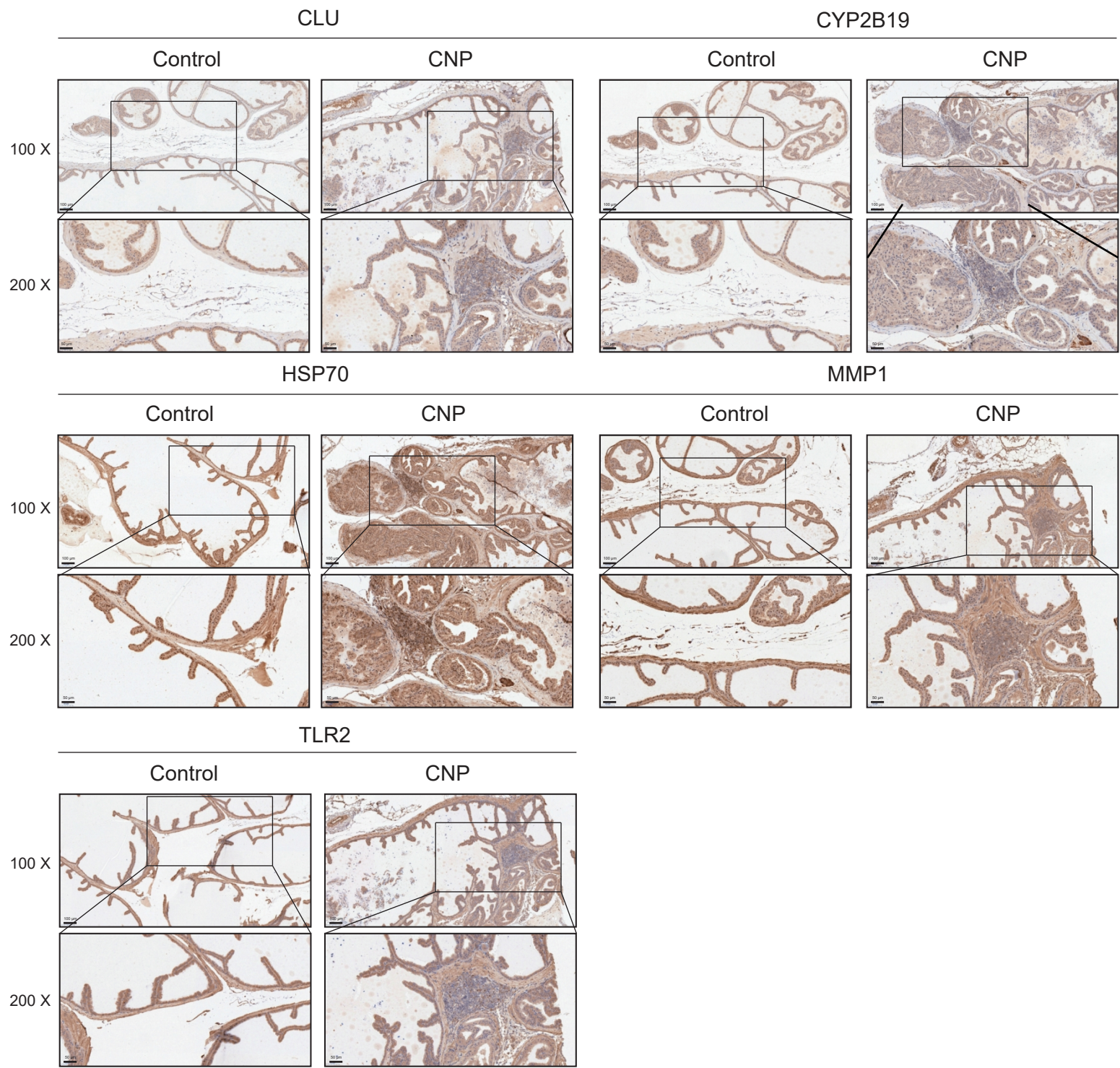
Supplementary Figure S2. Annotation of immune-related genes and quantitative reverse transcription-polymerase chain reaction validation (qRT-PCR). A. Annotation of the function of the differentially expressed genes between prostate tissues derived from chronic nonbacteria prostatitis (CNP) and negative controls. B. The relative expression of Neutrophil cell-related genes by comparing the prostate tissues derived from CNP models and negative controls. C. The infiltrated neutrophil cells in the prostatic interstitium. D. Validation of the differential expression mRNAs via qRT-PCR in prostate tissues derived from chronic nonbacteria prostatitis and negative controls. Note: ** means $P < 0.01$; *** means $P < 0.001$.



Supplementary Figure S3. Gene ontology and Kyoto encyclopedia of genes and genomes (KEGG) analyses for the targeted genes of differentially expressed long noncoding RNAs (lncRNAs). A. Cellular component; B. molecular function; C. biological process; D. KEGG analyses.



Supplementary Figure S4. Gene ontology and Kyoto encyclopedia of genes and genomes (KEGG) analyses for the targeted genes of differentially expressed circular RNAs (circRNAs). A. Biological process; B. Cellular component; C. molecular function; D. KEGG analyses.



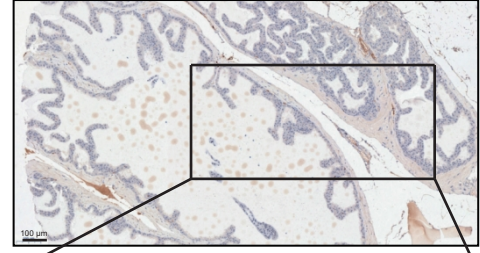
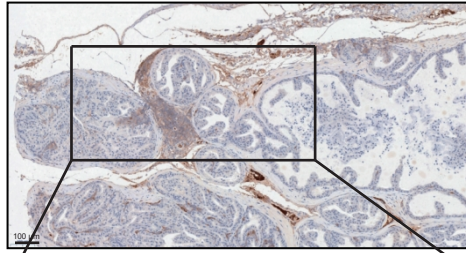
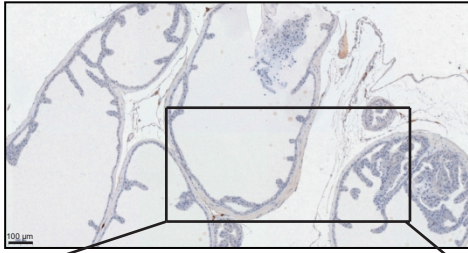
Supplementary Figure S5. The expression differences of CLU, CYP2B19, HSP70, MMP1, and TLR2 between chronic-nonbacterial prostatitis (CNP) and negative control groups.

Control

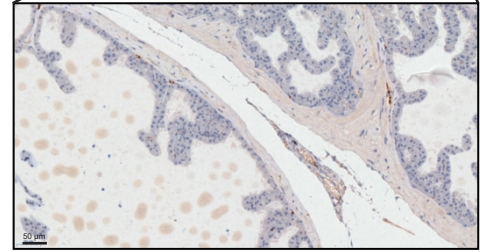
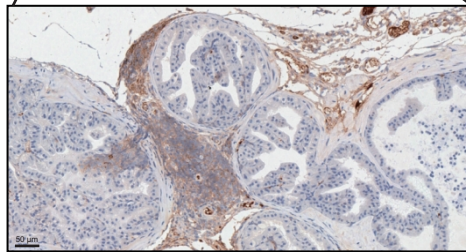
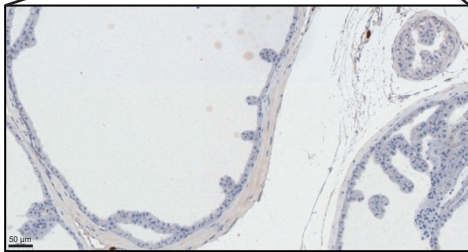
CNP
(DMSO)

CNP
(AMD3100)

100 ×

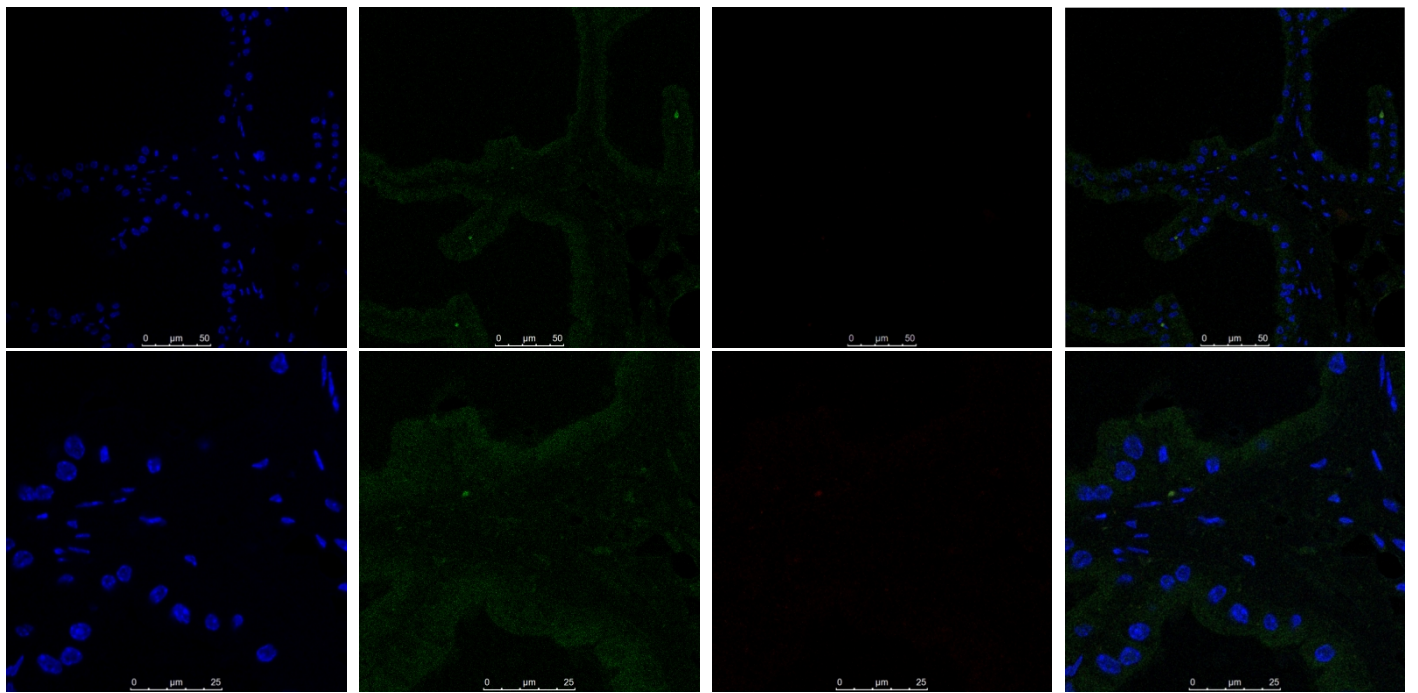


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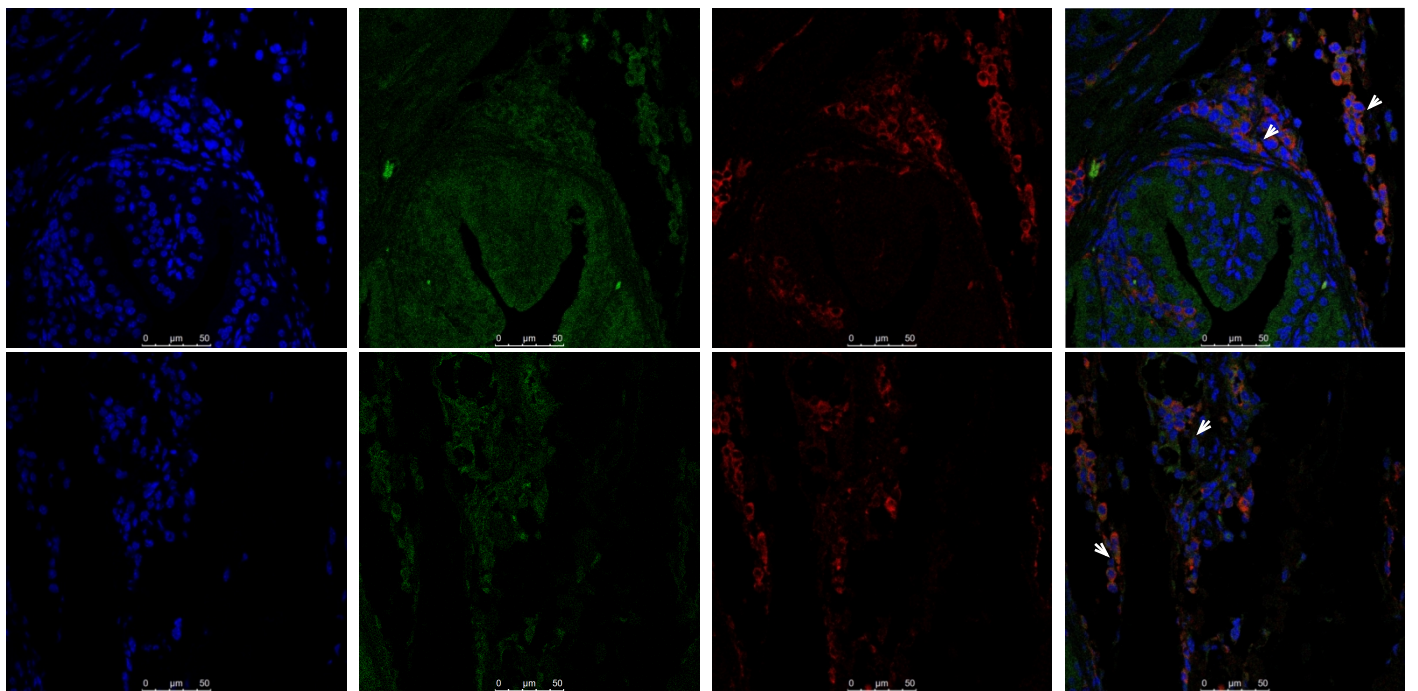


Supplementary Figure S6. The infiltrated differences of CXCR4+ inflammatory cells in control, chronic nonbacterial prostatitis (CNP), and CNP mice treated with AMD3100 subgroups.

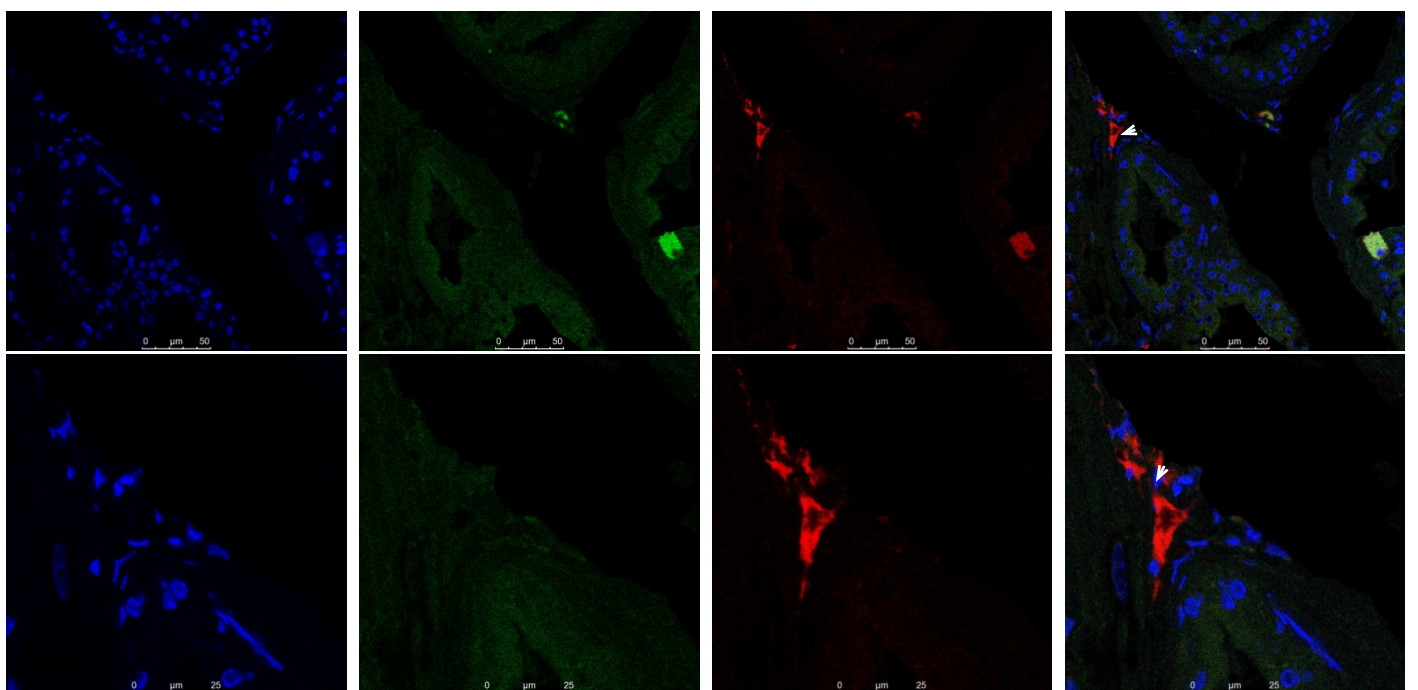
A



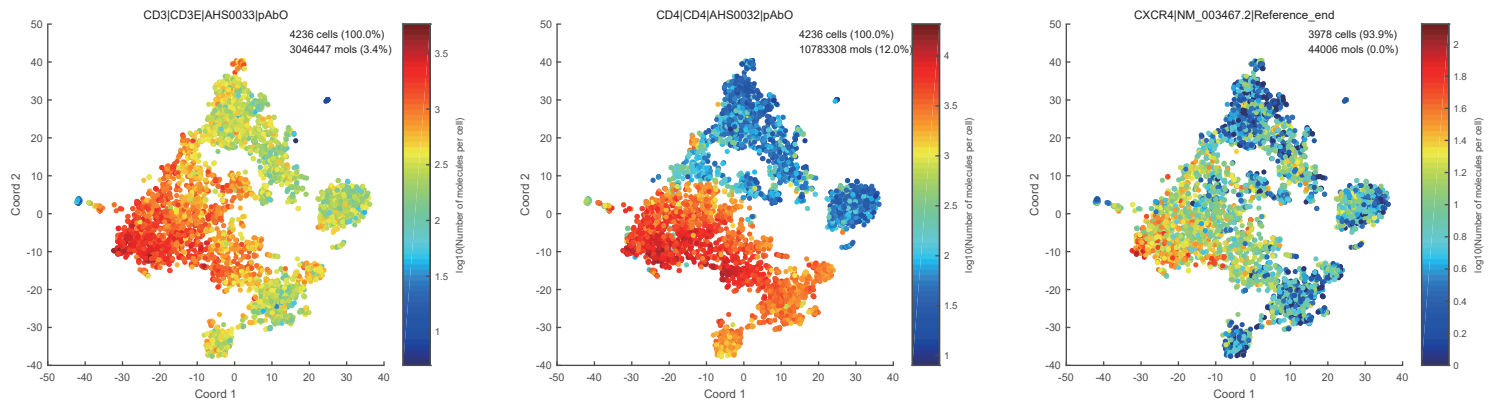
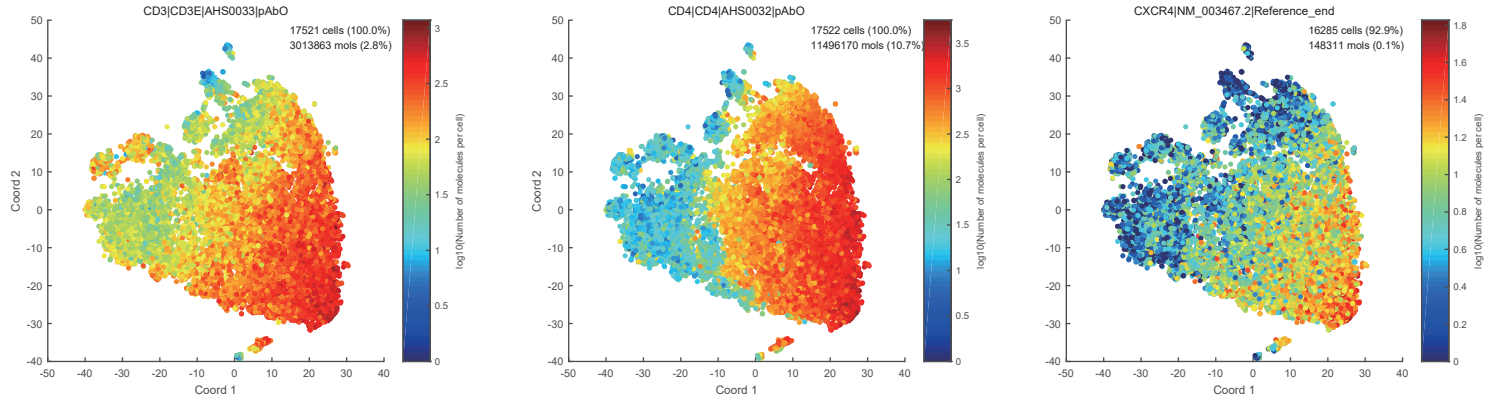
B



C



Supplementary Figure S7. Immunofluorescence staining showed the infiltration difference of Th1 cells in the prostate tissues derived from negative control (A), chronic nonbacteria prostatitis (CNP, B), and CNP mice treated with AMD3100 (CXCL12/CXCR4 inhibitor, C). Note: white arrows pointed out the infiltrated inflammatory cells.

A**B**

Supplementary Figure S8. Uniform manifold approximation and projection (UMAP) displayed the expression of CXCR4 in human CD4+T cells from both healthy controls (A) and prostatitis patients (B). Each point represented one cell. The color of each point represented the number of molecules per cell. In both groups, the proportion of CXCR4+CD4+T cells was over than 90%.

Supplementary Table S1. Detailed information of the antibodies used in current study

Protein Symbol	Catalog number	Company
COX-2	bs-0732R-FITC	Beijing Biosynthesis Biotechnology CO., Ltd
IL-1 β	#122425	Cell Signaling Technology, Inc
CXCL12	17402-1-AP	Proteintech Group, Inc
TLR2	DF7002	Affinity Biosciences, Ltd
CXCR4	AF5279	Affinity Biosciences, Ltd
CLU	DF6421	Affinity Biosciences, Ltd
CYP26B1	DF12194	Affinity Biosciences, Ltd
HSP70	AF5466	Affinity Biosciences, Ltd
CD44	DF6392	Affinity Biosciences, Ltd
MMP12	AP6196a	Affinity Biosciences, Ltd
GAPDH	sc-47724	Santa Cruz Biotechnology, Inc.
Phospho-NF kappa B p-p65	sc-101751	Santa Cruz Biotechnology, Inc.
Phospho-Stat3 (Try705)	#9145	Cell Signaling Technology, Inc
Phospho-Akt (Ser473)	#4060	Cell Signaling Technology, Inc

CO., Ltd: company limited; Inc.: Incorporated.

Supplementary Table S2. Gene primers for quantitative real time polymerase chain reaction

Gene Symbol	Forward primer	Reverse primer
<i>Clu</i>	CCGGACTCCAGATTCCAAGG	GACGGCGTTCTGAATCTCCT
<i>Lcn2</i>	GACTTCCGGAGCGATCAGTT	CTGATCCAGTAGCGACAGCC
<i>Pigr</i>	TGTGCACAACGCTCATCTCT	TCACTCGGCAACTCAGGAAC
<i>Sprr1a</i>	TGCCTTGTGCTACCAATGCT	CTCCTCACCCCCTTCAGATG
<i>Svs2</i>	AAAAGGCCACTTCCAGAGCA	CCATTACGACAAAGTGCGGC
<i>Pate4</i>	TCGCCTCAGTGCAAGGAAAA	TCAGGGATCTCAGGCCATCA
<i>Cdo1</i>	GATCACACGGACTCCCCTG	CAAAGGCGTGGCATGTATCG
<i>Hspa1a</i>	CACCATCGAGGAGGTGGATT	AGCCCACGTGCAATACACAA
<i>16S</i>	CCCTTAAGAGGGATGCTGCC	ATGAAGGGGTCGTTGATGGC

Supplementary Table S3. Long non-coding RNA primers for quantitative real-time polymerase chain reaction

Accession	Forward primer	Reverse primer
<i>XR_877436.2</i>	GTTTGGGACTCAGTTTCCCT	AGACATCCCCACAAGAGGCT
<i>XR_878691.1</i>	TTAGGTTGGTTGCCCTGTGG	GGTCCTTGCACATCCATCA
<i>XR_879979.2</i>	AACACTTGCGCCAGAGATGA	GAGAGAAGTGGCCGGTAAGG
<i>NR_102366.1</i>	TGAGCTGCAAGATGTCTCCC	ATGACGACCTGGGTCTGGTA
<i>NR_131146.1</i>	GAGAAGTCATGCCGTGTGGA	GGTGTGCTGCATCGAGAGAT
<i>XR_385473.2</i>	AGTGAGGCTTTCCACGACAG	GCCCTGGCCCTTACTATGTC
<i>XR_389926.3</i>	CACTCGGACACCTCATGCTT	CACATCGGCAGCATAAACCG
<i>XR_882090.2</i>	CTTGGCACCCAAGGAGCATA	AGCAGGTGTCTGAAGCATGG

Supplementary Table S4. Detailed clinical information of three BPH patients with CP/CPPS-like symptoms.

ID	Age (years)	NIH-CPSI	NIH-Pain Index	PSA ng/ml	FPSA/TPSA	Evidence of cancer	History of cancer
Case 1	74	28	10	9.07	0.17	None (Confirmed by needle biopsy of prostate and TURP)	None
Case 2	85	32	11	1.380	0.193	None	None
Case 3	67	37	15	8.05	0.137	None (Confirmed by needle biopsy of prostate and TURP)	None

BPH, Benign Prostate Hyperplasia; CP/CPPS-like symptoms, chronic prostatitis/chronic pelvic pain syndrome-like symptoms; NIH-CPSI, National Institutes of Health Chronic Prostatitis Symptom Index; PSA, prostate specific antigen; TPSA, total prostate specific antigen; FPSA, free prostate specific antigen; TURP, transurethral resection of the prostate.

Supplementary Table S5. Differentially expressed genes between prostate tissues derived from chronic non-bacteria prostatitis and negative controls.

GeneSymbol	P-value (P_vs_C)	log2FC (P_vs_C)	Case_mean (P_vs_C)	Control_mean (P_vs_C)
1700001C19Rik	0.001735195	-1.892557708	2.054796201	3.947353909
1700001C19Rik	4.78E-05	-1.257744632	2.482924254	3.740668887
1700015E13Rik	0.001330147	-1.791330174	3.245686796	5.037016969
1700037C18Rik	0.016471653	-1.599328601	2.420586019	4.01991462
1810011H11Rik	0.000183924	1.396572794	5.043712791	3.647139997
1810011H11Rik	0.00038929	1.758376786	5.161976955	3.403600169
2010315B03Rik	0.000234202	-1.069981238	5.159010948	6.228992186
2300002M23Rik	0.027052076	-1.195663057	3.312523389	4.508186446
2300002M23Rik	0.001764168	-1.507399085	3.497666723	5.005065808
3010026O09Rik	0.000694867	-1.108672787	4.875247315	5.983920102
3830406C13Rik	0.013154261	-1.231161602	1.96289632	3.194057923
4930503B20Rik	0.002578421	1.240276049	3.612493611	2.372217562
4930503B20Rik	0.007904714	1.032085634	3.414909318	2.382823684
4930522H14Rik	4.84E-05	1.306091953	9.317959661	8.011867708
4930522H14Rik	0.001065358	1.153197663	9.119683232	7.966485569
4931428F04Rik	0.000258734	1.075898191	3.747351118	2.671452927
4931428F04Rik	0.01284495	1.186457963	3.765786675	2.579328713
4931429L15Rik	0.008060998	-1.83068502	2.768711701	4.599396721
4931429L15Rik	0.016352135	-1.131583761	3.761008714	4.892592475
4933412E24Rik	0.01743381	-1.020736812	2.962012833	3.982749645
4933427G17Rik	0.030763721	-1.101160662	2.99425946	4.095420121
4933430I17Rik	2.62E-05	-1.047769352	3.389709316	4.437478668
5430427O19Rik	0.000319481	-1.861933398	1.505923595	3.367856992
5730559C18Rik	0.008606186	1.784037274	4.084638917	2.300601643
5730559C18Rik	0.017811979	1.22708933	3.91377804	2.68668871
5730559C18Rik	0.013991679	1.462461363	3.93440255	2.471941187
5730559C18Rik	0.000524693	1.785234612	4.122213343	2.33697873
5730559C18Rik	0.000195745	1.635392985	3.926421709	2.291028724
6430550D23Rik	0.024790481	-1.33684073	2.971970728	4.308811458
7530416G11Rik	0.000339648	1.378743835	6.992014048	5.613270213
8030423J24Rik	7.56E-08	1.190848754	9.954281368	8.763432615
9830147E19Rik	0.018982192	1.058966631	4.945506638	3.886540008
9930111J21Rik2	0.000257149	1.251388913	5.801839967	4.550451054
9930111J21Rik2	0.000756703	1.428243354	5.935002683	4.506759329
A2m	1.56E-05	4.141684638	5.21343934	1.071754702
A3galt2	0.000611298	-1.105716774	4.724813848	5.830530623
A3galt2	0.00031434	-1.143793732	4.671958763	5.815752494
A4gnt	3.59E-06	-1.266996701	7.140581174	8.407577875
A4gnt	3.88E-05	-1.376408436	6.967727631	8.344136067
A530064D06Rik	5.08E-05	-1.417936257	5.551838887	6.969775144
A530064D06Rik	0.00010313	-1.4681193	5.485947361	6.954066661
A530064D06Rik	0.000233762	-1.288120864	5.69745956	6.985580424
A530064D06Rik	8.26E-05	-1.251511037	5.873009682	7.124520719
A730017C20Rik	0.006558713	-1.11456984	3.970638643	5.085208483

<i>A730017C20Rik</i>	0.006566538	-1.347811987	3.787149383	5.13496137
<i>A830021F12Rik</i>	0.035589404	-1.491118871	2.550971644	4.042090515
<i>AA986860</i>	0.000362344	3.365200294	5.84767233	2.482472036
<i>AA986860</i>	2.70E-05	3.435419811	6.126377322	2.69095751
<i>AB124611</i>	0.001421799	1.04985049	5.388463361	4.338612871
<i>AB124611</i>	0.001667338	1.109562833	4.451238694	3.341675861
<i>AB124611</i>	0.000887441	1.320689472	4.706223186	3.385533714
<i>AB124611</i>	0.000965358	1.449294142	5.221814384	3.772520243
<i>AI467606</i>	0.001916818	1.113342627	5.466765127	4.3534225
<i>AW551984</i>	3.60E-05	1.109732045	7.613019055	6.50328701
<i>Aamdc</i>	0.002081126	-1.038334608	3.598730094	4.637064702
<i>Abca4</i>	0.000433721	1.040851523	8.933017177	7.892165654
<i>Abca9</i>	0.000758136	1.225022547	5.47574206	4.250719514
<i>Abca9</i>	0.000592117	1.321307563	5.453311487	4.132003924
<i>Abca9</i>	2.13E-05	1.220591571	5.445192313	4.224600742
<i>Abi3</i>	0.000276455	1.203788468	4.242128016	3.038339548
<i>Abl1</i>	4.75E-05	1.092105558	8.030881592	6.938776034
<i>Abtb2</i>	0.010371675	1.014922456	4.010542463	2.995620007
<i>Acer2</i>	0.048052291	1.094403851	7.679461129	6.585057278
<i>Acer2</i>	0.028730924	1.158376473	7.717661065	6.559284592
<i>Acer2</i>	0.041831434	1.1001014	7.727525322	6.627423922
<i>Ache</i>	0.003096696	2.147700844	3.731314618	1.583613774
<i>Acod1</i>	0.014729494	1.49436324	3.937160966	2.442797726
<i>Acrv1</i>	0.000420998	-1.031418206	5.013761773	6.045179979
<i>Actc1</i>	4.38E-06	-1.181518507	6.203487035	7.385005542
<i>Actl10</i>	1.93E-05	-1.137461025	6.917697383	8.055158408
<i>Adam19</i>	0.000576227	1.026222587	6.389648474	5.363425888
<i>Adam19</i>	0.000275414	1.005698366	6.220192021	5.214493655
<i>Adam19</i>	2.90E-05	1.267260577	6.476661002	5.209400425
<i>Adam19</i>	0.000683432	1.065735986	6.307187925	5.241451939
<i>Adam2</i>	1.27E-05	1.228995686	9.296203853	8.067208166
<i>Adam23</i>	0.019301952	1.285570934	4.100634735	2.815063801
<i>Adam23</i>	0.02270157	1.150436797	4.064420291	2.913983494
<i>Adam23</i>	0.009496504	1.238973703	4.158593284	2.919619581
<i>Adam23</i>	0.004235906	1.185965659	4.4199093	3.233943642
<i>Adam8</i>	1.31E-05	2.561333592	7.194659978	4.633326386
<i>Adam8</i>	6.65E-05	3.167226057	7.372922889	4.205696832
<i>Adam8</i>	1.42E-05	2.820692718	7.243691588	4.42299887
<i>Adam8</i>	2.17E-05	2.925027601	7.238513299	4.313485698
<i>Adam8</i>	2.11E-05	2.774932328	7.298172447	4.523240119
<i>Adamts20</i>	0.006146029	1.286203667	3.627556148	2.341352481
<i>Adamts20</i>	0.000132101	1.614590181	3.756874774	2.142284593
<i>Adamts20</i>	0.011306823	1.133756232	3.913533757	2.779777524
<i>Adamts20</i>	0.004440749	1.499234148	3.383104407	1.883870259
<i>Adamts9</i>	0.000206497	1.067388266	5.852364226	4.78497596
<i>Adarb2</i>	3.75E-06	-1.127650936	5.866672449	6.994323385

<i>Adarb2</i>	3.97E-05	-1.067643291	5.794454418	6.862097709
<i>Adcy4</i>	0.000494569	1.034953411	8.070335624	7.035382213
<i>Adgb</i>	0.034002091	1.457876771	4.141642367	2.683765595
<i>Adgre1</i>	2.92E-05	1.513286134	7.596624412	6.083338279
<i>Adgre1</i>	4.31E-05	1.65640231	7.733932829	6.077530519
<i>Adgre1</i>	5.07E-05	1.717391677	7.844274422	6.126882745
<i>Adgrl3</i>	0.008274098	-1.204110514	3.07269511	4.276805623
<i>Adrb1</i>	0.012785428	1.166431964	3.882062584	2.71563062
<i>Adssl1</i>	0.003566243	1.311989433	4.588887119	3.276897687
<i>Aebp1</i>	6.55E-05	1.232838107	8.090825406	6.857987298
<i>Aebp1</i>	0.000160711	1.436126132	7.868609383	6.43248325
<i>Afp</i>	1.92E-06	1.119648099	6.110277469	4.99062937
<i>Ager</i>	0.00210158	-1.041504244	4.666591032	5.708095276
<i>Ago4</i>	0.000286186	-1.08481639	7.662185206	8.747001596
<i>Ahsa2</i>	0.005543117	1.149905413	7.723605222	6.57369981
<i>Aif1</i>	0.000297438	1.428279911	5.350179447	3.921899536
<i>Aif1</i>	9.04E-05	1.609565377	5.530196515	3.920631138
<i>Aif1</i>	1.31E-05	1.932831632	5.678924835	3.746093203
<i>Aif1</i>	0.000262992	1.522764376	5.396389038	3.873624662
<i>Aif1</i>	4.14E-05	1.746689337	5.364166348	3.617477011
<i>Aif1</i>	0.000324043	1.310349296	5.394522916	4.08417362
<i>Aifm3</i>	0.045575964	-1.218226706	2.957463557	4.175690263
<i>Akap2</i>	0.001762393	-2.556744833	1.324436239	3.881181072
<i>Aldh3a1</i>	3.67E-05	1.527623715	3.546885177	2.019261462
<i>Aldh3a1</i>	0.022507657	1.53991837	3.483333622	1.943415252
<i>Alox12e</i>	0.003641605	-1.204635999	3.263115529	4.467751528
<i>Alox12e</i>	0.0003411	-1.48703175	3.115175595	4.602207345
<i>Alox5ap</i>	0.00104772	1.143479624	8.239281034	7.09580141
<i>Alox5ap</i>	0.00415449	1.074723341	7.96679418	6.892070838
<i>Aloxe3</i>	0.000824086	2.571912014	5.780887803	3.208975789
<i>Als2cl</i>	4.89E-05	1.809466726	5.921637691	4.112170965
<i>Als2cl</i>	0.00010664	1.591756848	5.871762076	4.280005228
<i>Als2cl</i>	0.000198096	1.588412708	5.924294246	4.335881538
<i>Als2cl</i>	1.16E-05	1.534281271	5.808922736	4.274641466
<i>Als2cl</i>	5.82E-05	1.694933812	5.797160344	4.102226532
<i>Als2cl</i>	7.52E-06	2.168321583	5.988249008	3.819927425
<i>Als2cl</i>	0.000100875	1.587430222	5.797486424	4.210056202
<i>Als2cl</i>	0.000961279	1.467355305	5.830819025	4.36346372
<i>Als2cl</i>	0.001079434	1.583915777	5.761316629	4.177400852
<i>Als2cl</i>	0.000387431	1.404362856	5.932466887	4.52810403
<i>Als2cl</i>	7.07E-06	1.798583084	5.996934232	4.198351148
<i>Amelx</i>	0.000318221	-1.844564537	3.782610813	5.627175349
<i>Amelx</i>	0.002461976	-1.629043309	3.914593143	5.543636452
<i>Amelx</i>	7.27E-05	1.317985113	5.807688458	4.489703345
<i>Amer2</i>	0.001625921	1.022370217	8.627147333	7.604777116
<i>Amica1</i>	0.019647214	1.50303324	4.020460754	2.517427514

<i>Amica1</i>	0.004353273	1.294739221	4.368761844	3.074022623
<i>Amica1</i>	0.003666269	1.661986183	4.458279113	2.79629293
<i>Amica1</i>	0.004829673	2.064320232	4.000898851	1.936578618
<i>Anapc15</i>	3.72E-05	-1.2580979	8.726196384	9.984294284
<i>Ang2</i>	0.006116777	-1.012489528	3.715886007	4.728375534
<i>Angpt4</i>	0.000130539	1.014214483	7.703483339	6.689268856
<i>Ank</i>	0.003572831	1.045268202	6.683346427	5.638078225
<i>Ankdd1a</i>	0.00018474	-1.137241001	4.957068829	6.09430983
<i>Ankdd1a</i>	8.72E-07	-1.081666288	3.899185835	4.980852123
<i>Ankfn1</i>	0.00729564	1.099752995	5.040967896	3.941214901
<i>Ankrd33b</i>	1.55E-05	1.180238437	4.675277653	3.495039216
<i>Ankrd33b</i>	0.003940738	1.324626438	4.625045276	3.300418838
<i>Ankrd35</i>	0.006630132	-1.081957743	3.385175268	4.467133011
<i>Ankrd6</i>	0.000512525	1.070499087	3.423237794	2.352738708
<i>Ano9</i>	0.014951621	2.052018355	3.648768986	1.59675063
<i>Ano9</i>	0.000200171	2.093133015	3.679226615	1.5860936
<i>Ano9</i>	0.000322174	2.420308945	3.812532226	1.392223281
<i>Anpep</i>	3.54E-07	1.811927085	7.553674704	5.74174762
<i>Anpep</i>	9.39E-07	1.969282946	7.530483466	5.56120052
<i>Anxa1</i>	4.35E-09	1.50949421	10.91736645	9.407872242
<i>Anxa2</i>	1.29E-05	1.488659115	10.6393429	9.150683781
<i>Anxa2</i>	0.000489317	1.341452188	11.04447906	9.703026868
<i>Anxa3</i>	7.93E-06	1.852144184	10.4536282	8.601484017
<i>Anxa6</i>	2.59E-05	-1.100314299	5.16326797	6.263582268
<i>Anxa8</i>	0.000285005	1.012212817	7.523065672	6.510852856
<i>Aoah</i>	0.009185571	1.2694441	4.316016541	3.046572442
<i>Aoah</i>	0.001483132	1.606744368	4.109068629	2.50232426
<i>Aoah</i>	0.001118074	1.528411746	4.486251734	2.957839988
<i>Aoah</i>	0.006163679	1.424029873	5.943129168	4.519099296
<i>Aoah</i>	0.000371494	1.323458148	3.919421255	2.595963107
<i>Aox4</i>	0.017428083	-1.250029294	2.355957396	3.605986691
<i>Ap1s2</i>	0.003003755	1.377150536	4.221324915	2.844174379
<i>Apbb1ip</i>	0.003121276	1.549471682	4.970937114	3.421465432
<i>Apbb1ip</i>	0.000337301	1.807816437	5.137492007	3.329675571
<i>Apobec1</i>	7.81E-09	1.562185606	7.497328737	5.935143131
<i>Apobec1</i>	1.01E-07	1.866313912	7.735429521	5.869115609
<i>Apobr</i>	0.000255088	1.460846197	3.805546054	2.344699857
<i>Apoe</i>	0.000284601	1.163587629	12.18484204	11.02125441
<i>Apoe</i>	0.000650141	1.054991733	12.16683308	11.11184135
<i>Apoe</i>	0.000153867	1.279078978	12.20838763	10.92930865
<i>Apoe</i>	0.00010947	1.283918037	12.313748	11.02982996
<i>Apol11a</i>	0.038153052	-1.004520576	3.292885583	4.29740616
<i>Apol8</i>	0.000156723	-1.008349224	4.530087136	5.53843636
<i>Apol8</i>	8.18E-05	-1.700288876	3.720922073	5.421210949
<i>Apol8</i>	0.000116971	-1.663715278	3.91695372	5.580668998
<i>Apol8</i>	0.001201379	-1.2530973	4.195519393	5.448616693

<i>Apol8</i>	7.02E-06	-1.296764405	4.114109836	5.41087424
<i>Apol8</i>	4.26E-05	-1.474227995	3.801891786	5.276119781
<i>Apol8</i>	0.000314858	-1.373121481	4.021962961	5.395084442
<i>Apol8</i>	0.000494811	-1.364497818	3.994336817	5.358834635
<i>Arg1</i>	0.00438968	2.595134157	5.430406714	2.835272556
<i>Arhgap15</i>	0.002298997	1.916038538	4.047693675	2.131655137
<i>Arhgap15</i>	0.003880806	1.552130392	4.010502047	2.458371655
<i>Arhgap15</i>	0.000432417	1.49036295	3.72445405	2.2340911
<i>Arhgap15</i>	0.001894389	2.354270356	4.148858968	1.794588612
<i>Arhgap15</i>	0.040670794	1.011636048	3.609239692	2.597603644
<i>Arhgap15</i>	1.74E-06	1.880006261	3.597328508	1.717322247
<i>Arhgap15</i>	0.004669465	2.063322073	3.913013943	1.84969187
<i>Arhgap19</i>	0.020556387	1.038541572	4.279549138	3.241007566
<i>Arhgap24</i>	5.80E-06	1.075606003	8.450604658	7.374998654
<i>Arhgap24</i>	6.91E-06	1.216839244	8.673463372	7.456624128
<i>Arhgap24</i>	0.002707146	1.521745927	8.20642407	6.684678143
<i>Arhgap28</i>	0.007053106	1.108458217	3.843945505	2.735487287
<i>Arhgap30</i>	4.72E-06	1.449147035	5.015629064	3.566482029
<i>Arhgap4</i>	0.000103733	1.448993861	6.115011403	4.666017542
<i>Arhgap4</i>	0.000784585	1.43162157	6.058063964	4.626442395
<i>Arhgap4</i>	7.33E-06	1.666830292	6.00237236	4.335542068
<i>Arhgap4</i>	6.08E-05	1.374365526	4.98656296	3.612197434
<i>Arhgap4</i>	0.000813813	1.352952203	4.792249031	3.439296829
<i>Arhgap4</i>	8.26E-05	1.501707733	6.082975922	4.581268189
<i>Arhgap4</i>	8.60E-05	1.39676529	4.958880779	3.562115489
<i>Arhgap4</i>	6.97E-05	1.592983505	6.035550097	4.442566592
<i>Arhgap4</i>	6.84E-06	1.592729217	6.243569851	4.650840635
<i>Arhgap4</i>	0.000200848	1.523539613	6.029919783	4.506380171
<i>Arhgap4</i>	7.95E-05	1.477503741	6.079630401	4.60212666
<i>Arhgap4</i>	0.00022125	1.333569493	6.058993994	4.725424501
<i>Arhgap9</i>	0.001863196	1.229962218	5.004383608	3.77442139
<i>Arhgap9</i>	0.000126892	1.224358473	4.773727654	3.54936918
<i>Arhgap9</i>	0.002599932	1.139467858	4.744416421	3.604948562
<i>Arhgap9</i>	0.00040302	1.724713933	4.967380952	3.242667019
<i>Arhgap9</i>	0.008301506	1.424470668	4.809114376	3.384643708
<i>Arhgdib</i>	3.71E-06	1.761924948	7.475468881	5.713543933
<i>Arhgdib</i>	2.64E-05	1.723908885	7.227736811	5.503827926
<i>Arhgdib</i>	4.18E-08	1.724479048	7.421116868	5.696637819
<i>Arhgdib</i>	7.67E-06	1.691970474	7.289945997	5.597975523
<i>Arhgdib</i>	5.65E-07	1.752793198	7.570968464	5.818175266
<i>Arhgdib</i>	4.85E-06	1.953156166	7.431529783	5.478373617
<i>Arhgdib</i>	2.20E-06	1.857785118	7.358889902	5.501104784
<i>Arhgef19</i>	0.005560212	1.19387298	3.830621207	2.636748227
<i>Arhgef19</i>	0.001653811	1.033822479	3.901470677	2.867648197
<i>Arhgef2</i>	4.77E-05	1.108695627	6.438597418	5.329901791
<i>Arhgef2</i>	3.22E-05	1.40791403	6.48231243	5.0743984

<i>Arhgef2</i>	0.000136955	1.129192253	6.545811364	5.416619111
<i>Arhgef2</i>	0.000734803	1.156959261	6.481846969	5.324887707
<i>Arhgef2</i>	0.001888222	1.223753759	6.395174013	5.171420254
<i>Arhgef2</i>	0.000700205	1.185586191	6.36270155	5.177115359
<i>Arhgef2</i>	0.000468079	1.162736558	6.288971244	5.126234686
<i>Arhgef2</i>	0.000143484	1.207261277	6.497774811	5.290513533
<i>Arhgef6</i>	0.000339178	1.035058945	6.161003129	5.125944184
<i>Arid3c</i>	2.25E-05	-1.830817831	3.218027064	5.048844895
<i>Arl11</i>	2.33E-05	1.83158988	5.105168298	3.273578418
<i>Arl4a</i>	0.00916883	-1.043790349	4.559686878	5.603477227
<i>Arr3</i>	2.89E-05	1.310191943	3.273959728	1.963767784
<i>Arrdc4</i>	2.03E-08	1.059246857	8.934568062	7.875321205
<i>Art1</i>	4.77E-05	-1.242812465	4.567985755	5.81079822
<i>Arxes1</i>	0.003252741	-1.01186651	4.651778214	5.663644724
<i>Asf1b</i>	0.007482029	1.082395842	4.259525695	3.177129853
<i>Astn1</i>	0.001710686	-1.154219833	3.491597171	4.645817004
<i>Atg10</i>	0.008907587	-1.308587238	2.451700837	3.760288075
<i>Atp10a</i>	0.000701309	1.347874287	5.572938657	4.22506437
<i>Atp10a</i>	0.007232429	1.138589193	5.698669229	4.560080036
<i>Atp10a</i>	7.45E-05	1.095752316	5.496200542	4.400448226
<i>Atp10a</i>	0.003553651	1.064379356	5.585391644	4.521012287
<i>Atp10b</i>	4.73E-05	1.039812538	6.955850509	5.916037971
<i>Atp1a3</i>	0.000111311	-1.011486705	5.23452824	6.246014946
<i>Atp1a3</i>	0.000180512	-1.03544543	5.346877173	6.382322604
<i>Atp1b4</i>	0.000413526	-2.359022279	4.370604212	6.729626491
<i>Atp1b4</i>	0.000149897	-2.445832298	4.508074663	6.953906961
<i>Atp2b2</i>	4.28E-06	1.226616669	6.789385023	5.562768354
<i>Aurka</i>	7.88E-07	1.271533716	10.84023011	9.568696396
<i>Aurka</i>	0.000175372	1.253009885	10.52380082	9.270790932
<i>Aurkb</i>	1.71E-05	1.127459129	5.262384673	4.134925544
<i>Aurkb</i>	5.94E-05	1.441670224	4.208410513	2.766740289
<i>Avpr2</i>	0.000133793	1.112668187	6.642843357	5.53017517
<i>Avpr2</i>	0.012402398	1.175596846	6.804397952	5.628801105
<i>B230311B06Rik</i>	0.000130696	1.2733206	6.663353754	5.390033154
<i>B230311B06Rik</i>	0.001854549	1.390445153	7.276625232	5.88618008
<i>B3galt4</i>	0.012805837	-1.110358715	3.355823292	4.466182007
<i>B3galt4</i>	0.010516448	-1.152080229	3.259309764	4.411389992
<i>B3galt4</i>	0.004322899	-1.058864343	3.665159938	4.724024281
<i>B430306N03Rik</i>	0.000364452	2.207283397	3.948211776	1.740928379
<i>B430306N03Rik</i>	0.000880909	2.106617744	3.75922874	1.652610996
<i>B430306N03Rik</i>	0.02338428	1.548782915	3.681550297	2.132767382
<i>B430306N03Rik</i>	0.006217505	1.957465943	3.817155882	1.859689938
<i>B4galt6</i>	0.00037635	1.273937489	6.476736855	5.202799366
<i>BB114814</i>	4.85E-05	1.309423105	4.800452625	3.49102952
<i>BC030499</i>	0.00154392	-1.2584955	3.2478996	4.5063951
<i>BC030499</i>	0.006083134	-1.45672362	2.966570367	4.423293987

<i>BC030499</i>	0.004470795	-1.303859471	3.29037885	4.594238321
<i>BC030499</i>	0.000811354	-1.175113902	3.472843278	4.64795718
<i>BC048546</i>	0.020200195	1.194254787	4.314652799	3.120398011
<i>BC049762</i>	0.01905724	-1.533204296	2.26366262	3.796866916
<i>Baiap2l1</i>	0.004343351	1.781632592	5.692484578	3.910851987
<i>Banp</i>	0.000852915	1.056734235	7.818934924	6.762200689
<i>Banp</i>	0.018525905	-1.392280067	2.307117151	3.699397217
<i>Baz1a</i>	2.40E-05	1.02589369	6.274451765	5.248558075
<i>Bbox1</i>	4.58E-06	2.395479252	3.647991535	1.252512283
<i>Bbox1</i>	0.00058321	1.976740759	3.951861904	1.975121145
<i>Bbox1</i>	0.012816951	1.692811602	3.836348092	2.14353649
<i>Bbs10</i>	0.000928777	1.221267433	6.835672003	5.614404571
<i>Bbx</i>	2.10E-06	-1.011381646	3.9965885	5.007970147
<i>Bche</i>	0.046707601	1.0230817	3.742825975	2.719744275
<i>Bcl2a1c</i>	7.74E-06	2.132106355	3.794054394	1.661948039
<i>Bcl2l11</i>	0.003571328	-1.137286732	2.94821079	4.085497522
<i>Bend5</i>	0.000126393	-1.125932733	5.928072615	7.054005349
<i>Bend5</i>	5.06E-05	-1.146748192	6.076358429	7.223106621
<i>Bgn</i>	0.000219083	1.221814117	11.57209863	10.35028452
<i>Bgn</i>	2.62E-05	1.204677303	11.7018236	10.4971463
<i>Bin2</i>	3.64E-06	1.869108984	4.672081954	2.80297297
<i>Bin2</i>	0.000364097	2.065097358	3.52384879	1.458751432
<i>Bin2</i>	2.02E-05	1.787378815	4.887384823	3.100006008
<i>Blzf1</i>	0.009268625	1.583435875	3.713935851	2.130499977
<i>Bmp1</i>	3.75E-05	1.051250702	8.334380482	7.28312978
<i>Bmper</i>	0.000138897	2.306443992	5.011862613	2.705418621
<i>Bpi</i>	0.010868473	-1.360009541	2.449326195	3.809335736
<i>Brca1</i>	0.000782932	1.215823867	4.97551156	3.759687693
<i>Brpf3</i>	0.039431926	-1.022770451	3.652699979	4.67547043
<i>Btg1-ps1</i>	0.000150468	-2.284366959	2.97431298	5.258679938
<i>Bub1b</i>	0.005374871	1.33077719	3.894416543	2.563639352
<i>Bub1b</i>	0.000968773	2.112601563	4.098599951	1.985998387
<i>C1qa</i>	5.05E-08	1.631807839	9.941808048	8.310000209
<i>C1qc</i>	5.77E-06	1.460558369	8.843075224	7.382516855
<i>C1qtnf1</i>	0.001207333	1.142983003	4.817544456	3.674561453
<i>C1qtnf1</i>	0.000649578	1.467008751	4.681514984	3.214506232
<i>C1qtnf1</i>	0.001379591	1.037001193	4.70026165	3.663260457
<i>C1qtnf1</i>	0.004732932	1.516503055	4.733532075	3.21702902
<i>C3</i>	1.61E-06	1.613845239	9.050385902	7.436540663
<i>C3</i>	1.44E-07	1.869784003	11.1604283	9.290644298
<i>C3ar1</i>	3.67E-06	1.324273662	6.784050086	5.459776424
<i>C4b</i>	3.18E-06	1.109022927	8.123060569	7.014037642
<i>C4b</i>	1.49E-06	1.128434573	8.110046052	6.981611479
<i>C4b</i>	1.75E-05	1.160683387	8.239831509	7.079148123
<i>C4b</i>	5.22E-06	1.060562438	8.099178597	7.038616159
<i>C4b</i>	1.09E-07	1.055960136	8.204763658	7.148803522

<i>C4b</i>	6.36E-07	1.162421283	8.238043616	7.075622332
<i>C5ar1</i>	0.004169366	2.310131484	5.110363091	2.800231607
<i>C5ar1</i>	0.000437592	2.063665341	5.181393497	3.117728155
<i>C6</i>	0.005899564	1.668142037	4.232235741	2.564093704
<i>C6</i>	0.018474166	1.378964545	3.976009356	2.597044811
<i>C6</i>	0.001697904	2.211565049	4.019131759	1.80756671
<i>C6</i>	0.003334136	1.651752273	3.834045913	2.18229364
<i>C7</i>	4.07E-05	1.125351192	8.631981243	7.506630051
<i>C8a</i>	0.002542886	1.302214027	5.466780883	4.164566856
<i>Cadps</i>	0.01162702	1.267922716	3.893647411	2.625724694
<i>Cadps</i>	0.007993029	1.228767853	4.276268595	3.047500742
<i>Calca</i>	3.43E-06	1.076408289	9.330227519	8.25381923
<i>Calca</i>	9.61E-05	1.036913804	9.385384204	8.348470399
<i>Calcb</i>	2.67E-06	3.404659049	4.56118231	1.156523261
<i>Calcb</i>	3.36E-05	3.113372879	4.269023248	1.155650369
<i>Camta1</i>	0.001678417	1.11615712	11.86188987	10.74573275
<i>Camta1</i>	0.001837282	1.145016352	11.85606334	10.711104699
<i>Capn11</i>	0.046077359	-1.311342094	2.093449157	3.404791252
<i>Capn13</i>	0.008080622	1.758863578	3.541125507	1.782261929
<i>Capn13</i>	0.003494437	1.111747312	4.496863859	3.385116547
<i>Car13</i>	0.00031707	1.603243342	6.4643123	4.861068958
<i>Car4</i>	0.003316254	1.12763332	4.256336275	3.128702955
<i>Car8</i>	2.63E-06	1.393129353	6.177336241	4.784206888
<i>Card11</i>	2.29E-08	2.374934463	3.84049583	1.465561367
<i>Carnmt1</i>	0.000425557	-1.055371731	5.486451718	6.541823448
<i>Casp1</i>	2.20E-06	1.630751114	9.275714219	7.644963104
<i>Casp4</i>	0.002912891	1.348079309	4.432935687	3.084856377
<i>Casp4</i>	0.008395314	1.182573257	4.488515883	3.305942625
<i>Casp4</i>	0.003268676	1.97454206	4.301413545	2.326871486
<i>Casp4</i>	0.003926309	2.228236249	4.286288639	2.058052389
<i>Cbr2</i>	0.002470584	1.26817045	10.13947863	8.87130818
<i>Cbr2</i>	1.79E-05	1.541917501	9.437131547	7.895214046
<i>Ccdc114</i>	7.94E-05	1.090294033	7.386388679	6.296094646
<i>Ccdc134</i>	0.005158309	1.373796185	5.304083671	3.930287487
<i>Ccdc30</i>	0.046179071	-1.43193208	2.388938142	3.820870222
<i>Ccdc80</i>	5.53E-05	1.107489377	8.72559867	7.618109293
<i>Ccdc80</i>	0.000147569	1.083238565	8.628634426	7.545395861
<i>Ccdc80</i>	7.65E-05	1.199398832	8.748317956	7.548919124
<i>Ccdc85a</i>	0.004551097	1.445114274	3.700209312	2.255095038
<i>Cchcr1</i>	0.001109113	-1.741524934	2.110820046	3.85234498
<i>Ccl12</i>	1.36E-06	1.55714603	5.906156551	4.349010521
<i>Ccl2</i>	0.002098788	1.162722686	5.86426474	4.701542054
<i>Ccl20</i>	9.16E-10	3.315470704	4.421840704	1.10637
<i>Ccl20</i>	9.66E-07	3.534348509	4.625294292	1.090945783
<i>Ccl3</i>	4.07E-06	3.669647965	5.097504619	1.427856654
<i>Ccl4</i>	6.66E-05	1.002802129	5.391407139	4.388605011

<i>Ccl6</i>	3.13E-07	1.82698949	9.565736409	7.73874692
<i>Ccl7</i>	7.27E-06	1.376359308	6.199807703	4.823448395
<i>Ccl8</i>	0.000102401	2.143038609	9.400960014	7.257921406
<i>Ccna2</i>	0.000155017	1.77353783	6.115114816	4.341576986
<i>Ccna2</i>	0.000385084	1.661825505	5.969497412	4.307671908
<i>Ccnb1</i>	0.000213998	1.803481315	4.80191242	2.998431106
<i>Ccne2</i>	0.01206552	1.323850939	4.126612676	2.802761737
<i>Ccne2</i>	0.00037542	1.342435626	4.427185983	3.084750357
<i>Ccne2</i>	0.001065991	1.214524331	4.29958512	3.085060788
<i>Ccnf</i>	0.00136289	1.422716885	4.52281569	3.100098805
<i>Ccr2</i>	0.003319892	1.26954201	5.583937082	4.314395072
<i>Ccr2</i>	0.000123131	1.461205842	5.590477366	4.129271524
<i>Ccr2</i>	0.002622817	1.070551976	5.505120281	4.434568305
<i>Ccr5</i>	1.58E-06	1.510971707	5.248909931	3.737938224
<i>Cct6b</i>	0.014986984	-1.110899755	3.171844841	4.282744596
<i>Cd14</i>	8.38E-07	1.447065539	7.726063014	6.278997475
<i>Cd163</i>	0.002315166	1.274864494	4.053213376	2.778348881
<i>Cd163</i>	0.006527259	1.592154982	4.406408935	2.814253952
<i>Cd177</i>	0.007283475	-1.522633579	4.496877166	6.019510745
<i>Cd177</i>	0.000542165	-1.299836829	4.938239831	6.23807666
<i>Cd177</i>	0.000612025	-1.281272575	5.005587321	6.286859896
<i>Cd180</i>	0.005830928	1.594652766	3.507056322	1.912403555
<i>Cd180</i>	0.001263333	1.457979507	3.659966233	2.201986725
<i>Cd200r1</i>	8.64E-06	2.53059244	3.761281067	1.230688627
<i>Cd209a</i>	4.40E-05	1.809710726	5.432230597	3.622519871
<i>Cd22</i>	0.005005349	1.463485544	4.61450956	3.151024016
<i>Cd22</i>	0.001745189	1.042892774	4.931459618	3.888566843
<i>Cd22</i>	0.001200648	1.086571723	4.853713549	3.767141826
<i>Cd226</i>	0.018029971	1.312173555	4.41605494	3.103881385
<i>Cd226</i>	0.000466942	1.122041789	3.887373573	2.765331784
<i>Cd226</i>	0.006816653	1.280609446	4.157139541	2.876530095
<i>Cd27</i>	0.000461996	-1.36958618	3.494757016	4.864343197
<i>Cd27</i>	0.000102871	-1.222912511	3.797903282	5.020815792
<i>Cd27</i>	0.033702557	-1.055170301	3.437289151	4.492459452
<i>Cd27</i>	0.003275579	-1.349403191	3.880097333	5.229500524
<i>Cd300a</i>	0.001693155	2.521835433	4.391333992	1.869498558
<i>Cd300a</i>	9.02E-05	2.260616966	4.394872818	2.134255852
<i>Cd300a</i>	0.01066089	1.581101299	4.198828607	2.617727308
<i>Cd300lb</i>	0.000299475	2.127121137	3.628816636	1.501695499
<i>Cd300lf</i>	6.21E-07	-1.663493666	6.76533052	8.428824185
<i>Cd300lf</i>	1.91E-06	-1.757698135	5.72190689	7.479605026
<i>Cd33</i>	2.02E-06	1.161906757	7.401438747	6.239531991
<i>Cd33</i>	5.11E-06	1.156352696	7.413652292	6.257299596
<i>Cd37</i>	8.68E-05	1.905492311	6.098102044	4.192609733
<i>Cd37</i>	2.90E-05	1.49019207	5.853345503	4.363153433
<i>Cd37</i>	4.59E-06	1.69741063	5.879786965	4.182376335

<i>Cd38</i>	0.002913524	1.244162292	4.698145634	3.453983341
<i>Cd3g</i>	0.000165333	1.764364881	4.795264676	3.030899795
<i>Cd44</i>	2.04E-08	2.602550016	9.413822581	6.811272565
<i>Cd44</i>	4.85E-08	2.485375741	9.310293885	6.824918144
<i>Cd44</i>	5.55E-07	2.987457505	9.538537662	6.551080156
<i>Cd44</i>	9.62E-09	3.000769242	9.706247046	6.705477803
<i>Cd44</i>	3.34E-08	2.552510676	9.471747805	6.919237128
<i>Cd44</i>	1.57E-07	2.737556761	9.470138461	6.7325817
<i>Cd44</i>	9.38E-08	2.599521118	9.471110741	6.871589623
<i>Cd44</i>	8.75E-09	2.779004133	9.440756428	6.661752295
<i>Cd44</i>	1.17E-08	2.858794213	9.534782913	6.675988699
<i>Cd44</i>	7.32E-09	2.643649085	9.532797913	6.889148828
<i>Cd44</i>	2.35E-08	2.835187873	9.686052801	6.850864928
<i>Cd47</i>	1.78E-05	1.005351889	7.596347206	6.590995317
<i>Cd47</i>	0.000248081	1.03395994	7.58711288	6.553152939
<i>Cd47</i>	1.25E-05	1.179401445	7.777883849	6.598482404
<i>Cd47</i>	0.000135163	1.106376134	7.699275881	6.592899747
<i>Cd47</i>	0.000384664	1.204772969	7.794253572	6.589480603
<i>Cd47</i>	7.05E-05	1.142563453	7.786601604	6.644038152
<i>Cd47</i>	6.03E-07	1.069693277	7.574026082	6.504332805
<i>Cd48</i>	1.83E-06	1.864528652	7.152708581	5.288179929
<i>Cd53</i>	6.84E-07	1.785079388	7.100446207	5.315366819
<i>Cd68</i>	1.23E-05	1.444950673	7.907684508	6.462733835
<i>Cd68</i>	9.06E-05	1.097567715	7.881298425	6.78373071
<i>Cd72</i>	5.07E-05	1.858501472	6.655152963	4.796651491
<i>Cd72</i>	0.000214525	2.038371583	6.461746302	4.423374719
<i>Cd72</i>	0.012526287	-1.023388443	2.996482561	4.019871003
<i>Cd72</i>	3.85E-05	1.794249615	6.461797177	4.667547562
<i>Cd74</i>	3.56E-08	2.317816621	11.21629983	8.898483209
<i>Cd74</i>	1.85E-08	2.378870804	11.27514472	8.896273921
<i>Cd79b</i>	0.004379557	1.995657117	4.017014604	2.021357487
<i>Cd79b</i>	1.05E-05	2.599928714	4.087279823	1.48735111
<i>Cd80</i>	0.029386147	1.924534834	4.331229047	2.406694213
<i>Cd80</i>	0.028470375	1.514363783	3.967034326	2.452670543
<i>Cd83</i>	0.000993053	1.03119224	3.970908538	2.939716297
<i>Cd83</i>	0.021854999	1.361983477	4.013423664	2.651440187
<i>Cd84</i>	0.000425873	1.242217303	5.315933336	4.073716033
<i>Cd84</i>	0.00108915	1.136114714	5.071146793	3.935032079
<i>Cd86</i>	0.01449442	1.140499008	4.576574134	3.436075126
<i>Cd86</i>	0.002045661	1.585757248	4.559424092	2.973666843
<i>Cd86</i>	0.002786089	1.267314683	4.614252601	3.346937919
<i>Cd86</i>	0.001538096	1.472916449	4.63764257	3.164726121
<i>Cd8a</i>	0.000143164	-1.109930557	5.011154167	6.121084724
<i>Cd93</i>	2.05E-06	1.243407947	8.314776102	7.071368154
<i>Cdc20</i>	0.048467208	1.01768016	4.326246665	3.308566505
<i>Cdc42ep4</i>	6.27E-06	1.367556661	9.339850261	7.9722936

<i>Cdca2</i>	0.000309497	1.295180828	3.934687308	2.639506479
<i>Cdca2</i>	0.008160805	1.956012997	4.046464925	2.090451928
<i>Cdh18</i>	4.60E-06	1.349579556	8.525358791	7.175779234
<i>Cdh18</i>	2.39E-06	1.374610362	8.869489	7.494878639
<i>Cdh18</i>	0.025055682	1.845639442	7.849866332	6.00422689
<i>Cdh18</i>	1.01E-05	1.496902385	8.789543571	7.292641186
<i>Cdh18</i>	0.001279646	1.492361184	8.149213783	6.656852599
<i>Cdo1</i>	0.001120972	4.664678909	10.98860238	6.323923474
<i>Cdo1</i>	0.001501393	4.508263869	10.76272622	6.254462353
<i>Ceacam10</i>	0.020587271	1.783050978	6.139714118	4.356663139
<i>Ceacam10</i>	0.024794944	1.684231698	5.981250348	4.297018651
<i>Ceacam13</i>	0.000185223	3.804344623	5.266251866	1.461907243
<i>Ceacam13</i>	5.65E-06	3.710981881	4.849991033	1.139009151
<i>Ceacam16</i>	0.00106889	-1.175508447	3.209559148	4.385067596
<i>Ceacam19</i>	0.002588657	1.882222191	3.969988677	2.087766486
<i>Ceacam19</i>	0.027334118	1.129773746	3.867785951	2.738012205
<i>Ceacam5</i>	0.00034928	-1.060472559	3.701651958	4.762124517
<i>Ceacam5</i>	0.000543603	-1.280426889	3.549448235	4.829875123
<i>Cebpa</i>	0.000165688	1.658914819	7.364825463	5.705910645
<i>Cebpa</i>	0.000263293	1.637310479	7.294235151	5.656924672
<i>Cebpa</i>	2.34E-05	1.722829521	7.299055887	5.576226366
<i>Cebpa</i>	0.000237637	1.628168916	7.273029187	5.64486027
<i>Cebpa</i>	0.00010082	1.77319411	7.295325547	5.522131437
<i>Celf4</i>	0.005316077	-1.116190717	4.301226432	5.417417149
<i>Cenpa</i>	0.000211076	1.325545762	7.50860466	6.183058898
<i>Cenpe</i>	0.004244227	1.664253014	3.915810362	2.251557348
<i>Cenpe</i>	0.014726236	1.792359065	4.000916176	2.208557111
<i>Cenpf</i>	0.000518926	1.900060795	5.156239666	3.25617887
<i>Cenpf</i>	0.000669098	1.611032029	5.361916679	3.75088465
<i>Cenpf</i>	0.000630227	1.158665593	5.185403177	4.026737584
<i>Cenpi</i>	1.72E-05	1.613886109	9.334036336	7.720150227
<i>Cenpm</i>	0.009005197	1.190166216	3.565032156	2.374865941
<i>Cenpu</i>	8.72E-05	-1.560528342	3.80113928	5.361667621
<i>Cenpu</i>	0.006011066	-1.649215943	3.736741378	5.385957321
<i>Cep112</i>	0.000148749	-1.035652893	4.707440089	5.743092982
<i>Cep41</i>	0.001078212	-1.213428839	4.09626101	5.309689848
<i>Cep55</i>	0.009068929	1.794078786	3.815505814	2.021427028
<i>Cep55</i>	0.000302393	1.996180887	3.86372016	1.867539273
<i>Cep55</i>	0.001175995	2.076353615	3.734256865	1.65790325
<i>Cep55</i>	0.001186312	1.536448783	3.765045783	2.228597
<i>Cep55</i>	0.000260529	2.334031721	3.701412146	1.367380424
<i>Cep55</i>	0.005078016	1.955050472	3.527490363	1.572439891
<i>Cep55</i>	0.009549539	1.769551724	3.854563639	2.085011914
<i>Cep70</i>	0.000430647	-1.153626095	3.157004192	4.310630287
<i>Ces1b</i>	0.000199894	1.404339422	3.509269989	2.104930568
<i>Ces3b</i>	0.006175136	-1.054439071	3.820846252	4.875285323

<i>Ces3b</i>	0.003231955	-1.173156185	3.65708279	4.830238975
<i>Ces3b</i>	0.00397303	-1.339117362	3.213408229	4.552525592
<i>Ces3b</i>	0.001002596	-1.102267367	3.846634672	4.948902039
<i>Ces3b</i>	0.001750358	-1.158458292	3.713578432	4.872036724
<i>Cfb</i>	9.60E-06	1.724989697	6.371723887	4.64673419
<i>Cfb</i>	4.93E-05	1.751184453	6.29984012	4.548655667
<i>Cfb</i>	1.16E-05	1.767721172	6.421333438	4.653612266
<i>Cfb</i>	0.000158657	1.675305951	6.350819216	4.675513265
<i>Cfb</i>	1.92E-06	1.893227684	6.578661474	4.68543379
<i>Cfb</i>	1.60E-07	1.838518832	6.517237506	4.678718674
<i>Cfb</i>	2.31E-06	1.827887808	6.381531535	4.553643727
<i>Cfb</i>	4.95E-06	1.984885289	6.39281036	4.40792507
<i>Cfb</i>	1.13E-06	2.059156897	6.482500572	4.423343675
<i>Cfb</i>	0.000212436	1.783386885	6.434866116	4.651479231
<i>Cfp</i>	1.44E-05	1.018389057	7.625436825	6.607047768
<i>Ch25h</i>	0.020266014	1.60572183	3.979529919	2.373808089
<i>Chac1</i>	6.17E-05	-1.002545768	10.60641983	11.6089656
<i>Chdh</i>	3.56E-07	1.221139727	6.346939792	5.125800065
<i>Chdh</i>	0.000538824	1.151371309	6.31817875	5.166807441
<i>Chdh</i>	6.90E-05	1.0619833	6.332686886	5.270703586
<i>Chil1</i>	0.001495698	2.37121226	4.407012619	2.035800359
<i>Chil1</i>	0.006153789	2.205347723	3.91770278	1.712355058
<i>Chil1</i>	0.001477708	1.246128987	4.175854824	2.929725837
<i>Chil5</i>	0.005873089	-1.029879637	2.823149223	3.853028861
<i>Chn1</i>	1.20E-07	-1.071813698	6.47399415	7.545807848
<i>Chrdl2</i>	0.000295327	-1.249421316	4.652306991	5.901728306
<i>Chrdl2</i>	0.001770189	-1.225892952	4.822206616	6.048099568
<i>Chrdl2</i>	0.012135406	-1.219890075	5.003502504	6.223392579
<i>Chrm5</i>	1.43E-06	-2.061395117	3.433206805	5.494601923
<i>Chrna9</i>	0.002441754	-1.498506235	2.135715224	3.634221459
<i>Ciita</i>	2.55E-06	1.945649125	6.500637457	4.554988332
<i>Ciita</i>	6.85E-06	1.887841198	6.490946832	4.603105635
<i>Ciita</i>	1.06E-06	1.821400183	6.598871458	4.777471275
<i>Ciita</i>	0.000102226	1.655386257	6.452492792	4.797106534
<i>Ciita</i>	3.25E-06	1.700802533	6.420192409	4.719389876
<i>Ciita</i>	5.36E-06	1.695186102	6.388660115	4.693474013
<i>Ciita</i>	2.10E-06	1.631506427	6.397483808	4.765977381
<i>Cirbp</i>	0.000358364	-1.035692828	9.636981705	10.67267453
<i>Cirbp</i>	0.001256323	-1.206704414	9.574856526	10.78156094
<i>Cit</i>	0.004856603	1.321874236	3.43525627	2.113382033
<i>Cit</i>	0.001992724	1.818768896	3.314563724	1.495794828
<i>Ckap2</i>	0.000147858	1.115428917	5.826130585	4.710701668
<i>Clca1</i>	0.000327213	1.519715434	3.888216324	2.36850089
<i>Clca3a1</i>	2.03E-05	3.631553637	6.969370064	3.337816427
<i>Clca3a2</i>	7.01E-05	3.119582554	7.588651011	4.469068457
<i>Clcf1</i>	4.16E-05	1.429935662	3.609262335	2.179326673

<i>Cldn15</i>	0.006236987	1.32279309	3.084889069	1.76209598
<i>Clec12a</i>	0.000245946	1.571044604	5.156321928	3.585277324
<i>Clec2g</i>	0.000194436	-1.400095526	5.97999802	7.380093546
<i>Clec2g</i>	0.000103734	-1.510635146	6.050688908	7.561324054
<i>Clec2g</i>	0.00010634	-1.276939598	6.135542499	7.412482097
<i>Clec2g</i>	0.001049179	-1.277101996	6.155609431	7.432711427
<i>Clec4a1</i>	0.000146252	1.384738466	5.934228483	4.549490017
<i>Clec4a2</i>	0.000647184	1.38782971	5.964090987	4.576261278
<i>Clec4a3</i>	0.000173111	1.894294407	6.075346529	4.181052122
<i>Clec4a3</i>	8.25E-06	1.630066631	6.106429369	4.476362738
<i>Clec4n</i>	0.000436547	4.079619633	5.870024642	1.790405009
<i>Clec4n</i>	0.000181659	3.249379854	5.789559351	2.540179497
<i>Clec4n</i>	3.71E-05	2.747164148	5.861060395	3.113896247
<i>Clec5a</i>	0.029448132	-1.114276918	3.131141502	4.24541842
<i>Clec7a</i>	0.001726394	1.295146526	5.945924306	4.65077778
<i>Clip4</i>	0.00048183	2.256200115	4.11034959	1.854149474
<i>Clip4</i>	0.006752236	1.555250758	4.162311665	2.607060907
<i>Clip4</i>	0.004460168	1.218264119	3.655541958	2.437277839
<i>Clip4</i>	0.007031759	1.760435098	3.885050271	2.124615173
<i>Clip4</i>	0.014619656	1.10733066	3.681776692	2.574446032
<i>Clip4</i>	0.002234243	1.818555637	3.792098463	1.973542826
<i>Clip4</i>	0.001180579	2.302190945	3.682315889	1.380124944
<i>Clip4</i>	0.000683127	2.369732006	4.05377799	1.684045984
<i>Clip4</i>	0.000220288	1.571453622	3.780699834	2.209246213
<i>Clip4</i>	0.002035337	2.574257162	4.157745549	1.583488386
<i>Clip4</i>	0.005213224	2.041490934	4.30874568	2.267254746
<i>Clip4</i>	7.57E-05	1.637280284	4.290440667	2.653160383
<i>Clmn</i>	0.000495232	2.109076966	3.797741654	1.688664688
<i>Clmn</i>	0.000841054	2.086887597	3.285529104	1.198641507
<i>Cln3</i>	0.026870683	-1.526809537	1.963906017	3.490715554
<i>Clnk</i>	0.015273152	-1.529256524	1.944082333	3.473338857
<i>Clu</i>	4.04E-05	3.892916805	6.85350222	2.960585414
<i>Clu</i>	2.13E-08	6.840066432	14.28873086	7.448664425
<i>Clu</i>	1.18E-08	6.848565821	14.13741701	7.288851192
<i>Cmpk2</i>	0.000185831	1.259352923	6.5885309	5.329177977
<i>Cmtm2b</i>	0.005405432	-1.068828073	4.536861727	5.6056898
<i>Cmtm3</i>	3.23E-05	1.006040134	7.200588227	6.194548093
<i>Cmtm3</i>	0.000115111	1.023059235	7.132177352	6.109118117
<i>Cmtm3</i>	3.36E-06	1.011024199	7.09032323	6.079299031
<i>Cmtm5</i>	0.016888094	-1.453413402	2.174999915	3.628413318
<i>Cntnap5c</i>	0.00473376	1.729036663	3.630910572	1.90187391
<i>Cobl</i>	0.004922719	1.398068813	4.40852855	3.010459737
<i>Col11a1</i>	0.006390066	1.565963073	3.420517802	1.85455473
<i>Col13a1</i>	0.000994321	-1.421313996	2.960212915	4.381526911
<i>Col15a1</i>	3.89E-07	1.008575713	9.134503527	8.125927814
<i>Col17a1</i>	0.000783664	1.034778059	6.434393761	5.399615702

<i>Col1a1</i>	0.002550307	1.046476358	6.926415886	5.879939528
<i>Col1a2</i>	0.000153163	1.3213268	9.292876238	7.971549438
<i>Col3a1</i>	3.89E-05	1.163711788	12.27046643	11.10675464
<i>Col5a2</i>	6.39E-05	1.103644198	9.033810025	7.930165827
<i>Col6a3</i>	0.000213404	1.069738336	6.453766338	5.384028002
<i>Col6a5</i>	2.97E-05	1.062159447	7.133488747	6.0713293
<i>Copa</i>	1.69E-06	-1.400540954	8.089038736	9.48957969
<i>Coro1a</i>	1.52E-06	1.488977044	7.636924365	6.147947321
<i>Coro1a</i>	1.15E-06	1.699631182	7.673124447	5.973493265
<i>Coro1a</i>	9.65E-06	1.678789751	7.839833373	6.161043621
<i>Coro1a</i>	8.67E-06	1.832349835	7.933243692	6.100893856
<i>Coro2b</i>	7.67E-05	1.18646062	10.67897599	9.492515367
<i>Coro2b</i>	5.20E-05	1.16442203	10.61171418	9.447292147
<i>Coro2b</i>	0.000600399	1.375822087	10.47966757	9.103845481
<i>Coro2b</i>	6.78E-06	1.259895447	10.52821085	9.268315404
<i>Coro2b</i>	8.29E-06	1.283114285	10.53906882	9.255954538
<i>Cotl1</i>	0.000843929	1.719157473	8.140569628	6.421412155
<i>Cp</i>	4.97E-06	1.199396298	8.935565442	7.736169144
<i>Cp</i>	6.36E-06	1.259893025	9.182082814	7.92218979
<i>Cp</i>	8.10E-06	1.225160452	9.073126381	7.847965928
<i>Cp</i>	3.09E-05	1.295272756	8.962365397	7.667092641
<i>Cp</i>	0.000121512	1.019728056	8.862891293	7.843163236
<i>Cp</i>	3.11E-06	1.412069725	9.204081584	7.792011859
<i>Cpe</i>	1.95E-05	1.688893029	10.5455986	8.856705575
<i>Cpeb3</i>	0.001804449	-1.079650559	5.522156582	6.60180714
<i>Cpeb3</i>	0.000586345	-1.028343344	5.501666145	6.530009489
<i>Cpeb3</i>	3.84E-05	-1.115363897	5.396652677	6.512016574
<i>Cpn2</i>	1.46E-05	-1.123253132	6.449361602	7.572614734
<i>Cpne4</i>	3.38E-05	2.161987091	3.464831039	1.302843948
<i>Crif1</i>	0.000999648	3.440161558	5.067133159	1.626971601
<i>Crif1</i>	0.000419542	3.491931828	5.029053874	1.537122046
<i>Crif1</i>	0.002466977	3.221789209	4.788553659	1.56676445
<i>Crif1</i>	0.002687608	3.21413503	4.968996802	1.754861771
<i>Csf1</i>	4.93E-05	1.067677488	7.606124403	6.538446915
<i>Csf1r</i>	3.86E-07	1.509917755	8.024074033	6.514156278
<i>Csf1r</i>	1.39E-05	1.218817724	7.85955296	6.640735236
<i>Csf1r</i>	4.41E-05	1.151015559	7.771605426	6.620589867
<i>Csf1r</i>	3.51E-07	1.329452133	7.901000067	6.571547934
<i>Csf1r</i>	1.09E-05	1.374751345	8.026399544	6.651648199
<i>Csf1r</i>	8.29E-07	1.279335084	7.943186189	6.663851105
<i>Csf2rb</i>	8.52E-07	1.398808916	7.365110378	5.966301462
<i>Csf3r</i>	0.00130292	1.96488758	4.654964525	2.690076945
<i>Csf3r</i>	0.000208876	3.171145939	4.7000148	1.528868861
<i>Csf3r</i>	0.001920901	2.448048029	4.653126898	2.205078869
<i>Csf3r</i>	0.000275642	2.428019263	4.473183782	2.045164519
<i>Csf3r</i>	0.001406336	2.670389297	4.96487279	2.294483494

<i>Csf3r</i>	0.000266989	3.106173369	4.775977999	1.66980463
<i>Csf3r</i>	7.18E-05	2.650678306	4.929679955	2.279001649
<i>Csf3r</i>	0.002401014	2.630562463	4.67274107	2.042178607
<i>Csf3r</i>	0.000240974	2.8737077	4.450950913	1.577243213
<i>Csf3r</i>	3.43E-06	3.580915211	4.955612074	1.374696863
<i>Csf3r</i>	0.000349615	3.28685472	4.875644609	1.588789889
<i>Csf3r</i>	8.80E-05	3.027292899	4.600528803	1.573235904
<i>Csf3r</i>	2.39E-05	1.628972891	4.846973967	3.218001077
<i>Csf3r</i>	2.55E-05	2.866930088	4.879893369	2.012963281
<i>Csf3r</i>	0.010026829	1.978487481	4.672718865	2.694231383
<i>Csf3r</i>	0.000551992	3.085446508	4.760304752	1.674858244
<i>Csf3r</i>	0.000415117	2.202519562	4.598240677	2.395721115
<i>Csf3r</i>	9.02E-06	2.095570541	4.766708412	2.671137871
<i>Csf3r</i>	0.000246913	2.337063004	4.572879033	2.23581603
<i>Csn3</i>	0.000182232	1.120066885	12.187742	11.06767512
<i>Csnk1e</i>	0.022285716	1.004169168	3.505513472	2.501344305
<i>Cst8</i>	0.0288678	-1.783810327	1.780579908	3.564390235
<i>Ctgf</i>	0.007039538	1.272459952	9.754599988	8.482140036
<i>Cthrc1</i>	0.002806662	2.33127449	4.546090395	2.214815905
<i>Cthrc1</i>	0.0012448	2.961709431	4.811670742	1.849961311
<i>Cthrc1</i>	0.005262325	2.91414336	4.708546648	1.794403288
<i>Ctla2b</i>	0.004300869	1.0455676	9.204477417	8.158909816
<i>Ctla2b</i>	0.000941623	1.108576386	9.126638172	8.018061785
<i>Ctse</i>	3.90E-05	2.260648026	6.235633531	3.974985505
<i>Ctsh</i>	4.34E-06	1.397419169	8.579313357	7.181894188
<i>Ctsh</i>	5.35E-05	1.272553268	8.394202542	7.121649274
<i>Ctss</i>	3.77E-07	2.046024333	7.738048204	5.69202387
<i>Ctss</i>	3.37E-06	2.255017171	7.822063737	5.567046566
<i>Ctss</i>	1.10E-06	1.894847669	10.53435582	8.639508154
<i>Cul9</i>	0.005712059	-1.231527122	3.597134882	4.828662005
<i>Cwc27</i>	0.035753909	-1.310205826	1.901860048	3.212065874
<i>Cwh43</i>	0.007039917	2.539127478	4.235854046	1.696726569
<i>Cwh43</i>	0.001644628	2.86310463	4.154041325	1.290936694
<i>Cx3cr1</i>	0.000523421	1.373700776	6.65924278	5.285542005
<i>Cxadr</i>	1.64E-06	1.788859536	6.528638005	4.739778469
<i>Cxadr</i>	4.50E-06	1.294358502	7.889429852	6.59507135
<i>Cxcl1</i>	0.001001059	2.416791034	3.572093412	1.155302378
<i>Cxcl13</i>	0.00074012	1.488615281	7.530215078	6.041599797
<i>Cxcl15</i>	1.31E-06	-1.120079075	8.905844899	10.02592397
<i>Cxcl16</i>	1.06E-07	2.341067566	10.41102947	8.069961909
<i>Cxcl16</i>	6.34E-08	2.042941038	11.40829871	9.365357675
<i>Cxcl16</i>	5.90E-07	1.803978062	11.16821055	9.364232489
<i>Cxcl2</i>	0.00012654	2.930171853	4.273692416	1.343520563
<i>Cxcl5</i>	5.86E-06	1.135256671	4.834755921	3.699499249
<i>Cxcl5</i>	2.10E-06	1.720612674	4.842958898	3.122346223
<i>Cxcr4</i>	0.001353324	2.4896902	4.371060666	1.881370466

<i>Cxcr4</i>	0.000721855	2.453784135	4.111664271	1.657880136
<i>Cxcr4</i>	1.60E-06	1.795841691	5.454498701	3.65865701
<i>Cyb5a</i>	8.61E-06	-3.046427778	4.684813889	7.731241667
<i>Cym</i>	0.018112666	-1.068224466	2.832919719	3.901144184
<i>Cyp27a1</i>	3.36E-05	1.062082549	6.923718984	5.861636435
<i>Cyp2b10</i>	2.61E-05	4.176035396	6.352502181	2.176466785
<i>Cyp2b13</i>	0.001987953	1.865916598	3.577275389	1.711358791
<i>Cyp2b13</i>	0.000115045	2.502415883	3.548343324	1.045927441
<i>Cyp2b13</i>	0.000126494	2.358318664	3.360391743	1.002073079
<i>Cyp2b13</i>	6.78E-05	2.768914105	3.804821824	1.035907719
<i>Cyp2b13</i>	7.82E-05	2.444215279	3.684116548	1.23990127
<i>Cyp2b19</i>	2.71E-06	3.134569513	8.809000483	5.67443097
<i>Cyp2b9</i>	0.010357212	1.269310608	3.742996487	2.473685879
<i>Cyp2c37</i>	0.000151746	-1.322263286	3.386975943	4.709239229
<i>Cyp2j12</i>	0.007983216	-1.721516188	2.044141208	3.765657396
<i>Cyp2j13</i>	0.047732502	1.879102557	4.244138697	2.36503614
<i>Cyp4a12a</i>	0.000756645	5.729634285	7.243294546	1.513660261
<i>Cyr61</i>	5.55E-06	1.558756203	6.970776708	5.412020505
<i>Cysltr1</i>	0.000200662	1.055770494	5.765616214	4.70984572
<i>Cyth4</i>	2.26E-05	1.414201634	7.223487688	5.809286053
<i>Cyth4</i>	1.55E-06	1.220097366	7.055368244	5.835270877
<i>Cytip</i>	2.16E-05	1.060638558	6.470016518	5.40937796
<i>D330045A20Rik</i>	0.023410671	-1.196703665	3.185091932	4.381795596
<i>D330045A20Rik</i>	0.026002321	-1.185653911	3.300358103	4.486012014
<i>D730048I06Rik</i>	0.000151539	3.191597295	8.211207945	5.01961065
<i>Dbil5</i>	3.02E-05	-2.819821053	1.663753219	4.483574272
<i>Dbnnd2</i>	0.007686892	-1.026269451	2.541093611	3.567363062
<i>Dbnl</i>	1.23E-05	1.093035805	10.69775004	9.604714231
<i>Dbp</i>	0.000715208	-1.375143377	4.601115624	5.976259001
<i>Dcaf12l1</i>	6.82E-05	-1.068871612	5.164934212	6.233805825
<i>Dcaf12l1</i>	0.000315151	-1.00295798	5.153727982	6.156685962
<i>Dcp2</i>	0.001496968	1.24829667	11.29509151	10.04679484
<i>Dcstamp</i>	0.005258598	1.254870617	4.556620026	3.301749409
<i>Dcun1d4</i>	0.047675479	-1.288497211	2.301924592	3.590421803
<i>Ddit3</i>	0.016462057	1.03992782	10.39559443	9.355666608
<i>Ddit3</i>	0.012024206	1.274873542	10.63857098	9.363697442
<i>Ddit3</i>	0.012591885	1.019887472	10.34561908	9.325731604
<i>Ddit3</i>	0.017676549	1.081777829	10.38783885	9.306061018
<i>Ddn</i>	0.000110166	-1.379766015	5.141540091	6.521306105
<i>Ddx58</i>	1.81E-06	1.348984379	7.552226118	6.203241739
<i>Ddx60</i>	5.58E-05	2.611058225	4.324813059	1.713754835
<i>Ddx60</i>	0.000705042	2.283874687	5.223101579	2.939226892
<i>Ddx60</i>	8.67E-05	2.700375974	4.876011443	2.175635469
<i>Ddx60</i>	0.000140437	2.080627298	4.825996928	2.74536963
<i>Ddx60</i>	6.76E-05	2.026458317	5.071383563	3.044925246
<i>Ddx60</i>	2.01E-05	2.971313252	4.636848006	1.665534755

<i>Ddx60</i>	0.001083106	1.529074326	5.198766466	3.66969214
<i>Ddx60</i>	0.008187954	1.024076099	3.61827703	2.594200931
<i>Defa28</i>	0.002582262	-1.076691711	6.180822525	7.257514236
<i>Defb1</i>	3.14E-05	2.104829382	11.60457518	9.499745801
<i>Defb42</i>	0.009297695	4.149264583	7.014131844	2.864867261
<i>Defb50</i>	5.48E-05	2.779612736	12.81941863	10.0398059
<i>Dennd2a</i>	0.002161353	1.061000972	4.517462595	3.456461623
<i>Dennd2d</i>	0.001324788	1.344656489	6.249511198	4.904854708
<i>Dennd2d</i>	2.04E-05	1.789858997	6.481524728	4.691665731
<i>Depdc7</i>	0.001098041	1.29019638	5.42681113	4.136614749
<i>Dhrs3</i>	0.000968994	1.00581095	6.08077627	5.07496532
<i>Dhrs7c</i>	4.68E-05	1.376014445	3.591814265	2.215799819
<i>Dhx58</i>	0.000435759	1.855320824	6.089549222	4.234228397
<i>Dixdc1</i>	1.39E-05	-1.293440096	6.59017038	7.883610476
<i>Dixdc1</i>	5.57E-05	-1.293807152	6.578371985	7.872179137
<i>Dixdc1</i>	3.55E-06	-1.346562832	6.490937916	7.837500748
<i>Dixdc1</i>	6.07E-05	-1.286978741	6.606973706	7.893952447
<i>Dixdc1</i>	5.09E-06	-1.383277478	6.386065495	7.769342973
<i>Dixdc1</i>	4.61E-05	-1.428146613	6.390639611	7.818786224
<i>Dixdc1</i>	2.70E-05	-1.438187262	6.406023138	7.8442104
<i>Dlg3</i>	0.00042685	-1.527001638	4.305812798	5.832814436
<i>Dlg3</i>	0.001550114	-1.234372364	4.446113455	5.680485819
<i>Dlg3</i>	6.38E-05	-1.542900494	4.183532176	5.72643267
<i>Dlgap3</i>	0.039196507	-1.10772908	4.618654294	5.726383375
<i>Dlk1</i>	0.000651631	-1.076697857	5.500222701	6.576920558
<i>Dmbt1</i>	0.000328708	2.503625145	3.656027096	1.152401951
<i>Dnaaf3</i>	2.82E-05	-1.542035979	5.275389711	6.81742569
<i>Dnaaf3</i>	4.58E-05	-1.629534976	5.068829058	6.698364034
<i>Dnajb1</i>	0.015510332	1.365225431	5.838046438	4.472821006
<i>Dnajb1</i>	0.000576454	1.419415064	5.990651362	4.571236297
<i>Dnajc5b</i>	0.010173778	-1.75993779	1.877681905	3.637619695
<i>Dnajc5b</i>	0.005624327	1.391125997	3.884798413	2.493672416
<i>Dnajc5g</i>	0.042814481	-1.311836675	2.365509023	3.677345698
<i>Dock10</i>	0.000109436	1.741970191	5.837802697	4.095832505
<i>Dock10</i>	7.14E-05	1.488796877	5.908366313	4.419569436
<i>Dock10</i>	0.000124425	1.088775891	5.749019073	4.660243182
<i>Dock10</i>	0.000399318	1.219040006	5.903195206	4.6841552
<i>Dock10</i>	1.81E-05	1.273737496	5.766345765	4.492608269
<i>Dock10</i>	0.001037833	1.331224863	5.776229131	4.445004268
<i>Dock10</i>	8.46E-05	1.385455754	6.035538228	4.650082474
<i>Dock10</i>	0.000202583	1.48038311	5.818530889	4.338147779
<i>Dock10</i>	0.000283775	1.135944258	5.700514404	4.564570146
<i>Dock10</i>	0.000104963	1.279966244	5.737028313	4.457062068
<i>Dock10</i>	0.000140869	1.393674276	5.798240606	4.40456633
<i>Dock10</i>	0.000176058	1.300918426	5.795057212	4.494138786
<i>Dock10</i>	5.07E-05	1.3277358	5.814920051	4.487184251

<i>Dock10</i>	1.52E-05	1.23541275	5.827878711	4.592465961
<i>Dock10</i>	1.04E-05	1.520921597	5.858148272	4.337226675
<i>Dock10</i>	2.44E-05	1.415312375	5.855436819	4.440124445
<i>Dock10</i>	7.48E-05	1.518377575	6.134821973	4.616444398
<i>Dock10</i>	2.74E-05	1.398919736	6.023533154	4.624613418
<i>Dock2</i>	0.000120826	2.313102076	5.864804906	3.55170283
<i>Dock2</i>	5.29E-05	1.947073738	5.756806826	3.809733088
<i>Dock2</i>	5.92E-05	2.129340085	5.958626057	3.829285973
<i>Dock4</i>	1.34E-05	1.12459862	9.609703896	8.485105276
<i>Dock4</i>	9.97E-05	1.476938584	9.243807762	7.766869178
<i>Dock4</i>	2.73E-05	1.214472481	9.790003412	8.57553093
<i>Dpep2</i>	0.01531864	1.005627037	4.625528812	3.619901775
<i>Dpep2</i>	0.00806565	1.083709161	4.344584267	3.260875106
<i>Dtna</i>	2.65E-07	-1.495513644	1.813396568	3.308910212
<i>Dtna</i>	0.009561697	-1.059187383	3.886984023	4.946171405
<i>Dtx4</i>	0.002670655	2.036044551	3.722370138	1.686325587
<i>Dyx1c1</i>	0.004018861	-1.827265594	1.794061825	3.621327419
<i>E2f8</i>	0.001205451	2.191338652	3.554198886	1.362860233
<i>E2f8</i>	0.00067496	2.214005568	3.596643458	1.382637889
<i>Eaf2</i>	0.000118263	-1.405591326	4.106352536	5.511943862
<i>Ear2</i>	0.000399763	2.106739358	5.316327525	3.209588168
<i>Ect2</i>	0.000210032	1.242580086	4.564055752	3.321475666
<i>Ect2</i>	0.012551396	1.153316957	4.439413738	3.286096782
<i>Ect2</i>	0.004896986	1.175352976	4.639739349	3.464386372
<i>Ect2</i>	1.10E-05	1.855840179	4.845404912	2.989564732
<i>Ect2</i>	0.000102088	2.357687827	4.699090068	2.341402241
<i>Edn1</i>	1.57E-06	1.665674136	5.298211883	3.632537747
<i>Efcab6</i>	0.009115602	1.245184866	6.4331018	5.187916933
<i>Efcab6</i>	0.014299088	1.166143924	6.412710782	5.246566858
<i>Egr2</i>	0.002142208	1.477999277	6.084885399	4.606886122
<i>Eif5a</i>	6.27E-05	-1.221639463	6.546998198	7.76863766
<i>Eif5a</i>	1.15E-05	-1.225393677	6.64712608	7.872519757
<i>Elf4</i>	4.60E-05	1.517104818	6.730142518	5.2130377
<i>Elf4</i>	1.73E-05	1.549451381	6.640407273	5.090955892
<i>Elf4</i>	0.000176403	1.245545082	6.517694741	5.272149659
<i>Elfn2</i>	0.004357998	-1.109942751	3.645984566	4.755927317
<i>Emilin1</i>	0.00093735	1.133566244	5.432227181	4.298660937
<i>Eml2</i>	0.001490487	-1.066615159	5.429181731	6.495796891
<i>Eml2</i>	0.000402865	-1.012564784	5.450168196	6.462732981
<i>Eml2</i>	0.001038773	-1.049681333	5.523877016	6.573558349
<i>Eml2</i>	0.000101558	-1.053821434	5.354202172	6.408023607
<i>Emp2</i>	1.34E-06	1.322091145	7.586947835	6.26485669
<i>Enc1</i>	1.27E-06	1.19318156	6.864054488	5.670872928
<i>Enpp3</i>	0.025926589	1.043257566	4.991337124	3.948079558
<i>Entpd8</i>	0.005138705	-1.474751546	3.506482491	4.981234037
<i>Entpd8</i>	0.000252657	1.438256877	5.359999164	3.921742287

<i>Entpd8</i>	0.030341199	-1.198126618	3.598429184	4.796555803
<i>Entpd8</i>	0.036275198	-1.287656196	3.599705687	4.887361882
<i>Epb41I3</i>	0.001267393	-1.212272283	4.31170157	5.523973853
<i>Epb41I3</i>	2.08E-05	-1.406180365	4.277907185	5.68408755
<i>Epb41I3</i>	1.28E-05	-1.052730941	4.662546386	5.715277327
<i>Epb41I3</i>	0.000309568	-1.042245393	4.468873965	5.511119358
<i>Epb41I3</i>	7.98E-05	-1.058479104	4.445996473	5.504475577
<i>Epb41I3</i>	0.001684994	-1.154216372	4.370781259	5.524997631
<i>Epb41I3</i>	0.000467198	-1.251217862	4.249886265	5.501104127
<i>Epb41I3</i>	0.000497197	-1.475243616	4.199455289	5.674698906
<i>Epb41I3</i>	0.003371133	-1.294311356	4.25043831	5.544749666
<i>Epb41I3</i>	0.000257135	-1.022590505	4.594563446	5.617153951
<i>Epb41I3</i>	0.000837676	-1.064262342	4.508937804	5.573200146
<i>Epb41I3</i>	0.001143683	-1.169200403	4.410981366	5.580181769
<i>Epb41I3</i>	0.000196463	-1.063095628	4.576359987	5.639455615
<i>Epb41I3</i>	0.003473671	-1.244335301	4.29924354	5.54357884
<i>Epb41I3</i>	0.00015308	-1.023285078	4.672471813	5.695756891
<i>Epb41I3</i>	0.004328129	-1.268981372	4.468400861	5.737382233
<i>Epb41I3</i>	0.004277679	-1.145836192	4.621659472	5.767495664
<i>Epb41I3</i>	6.98E-05	-1.119185659	4.477761851	5.596947509
<i>Epb41I3</i>	0.000533249	-1.083252802	4.391421681	5.474674483
<i>Epb41I3</i>	6.63E-05	-1.10291837	4.449974048	5.552892419
<i>Epb41I3</i>	4.44E-05	-1.070056349	4.560274674	5.630331023
<i>Epb41I3</i>	0.000552076	-1.117886103	4.408613216	5.526499319
<i>Epb41I3</i>	0.00142299	-1.177573858	4.392509523	5.570083381
<i>Epb41I3</i>	0.002689922	-1.142370456	4.530543761	5.672914216
<i>Epb41I3</i>	0.001858384	-1.076955805	4.350305407	5.427261213
<i>Epb41I5</i>	0.004122478	1.198416993	6.729113782	5.530696789
<i>Epb41I5</i>	0.005932186	1.112183429	6.694357488	5.582174059
<i>Ephb3</i>	0.012650735	1.274324321	4.896806395	3.622482074
<i>Epsti1</i>	0.002134981	1.317384345	3.793154179	2.475769835
<i>Erbb4</i>	0.01599629	-1.272387113	3.821449534	5.093836647
<i>Ercc1</i>	0.019076355	1.033108739	3.744494112	2.711385373
<i>Ercc6l</i>	0.004292049	1.432761732	4.061562521	2.628800789
<i>Erg</i>	0.014582584	1.228746271	3.557890623	2.329144352
<i>Ermap</i>	0.001037134	-1.163935775	4.701126717	5.865062493
<i>Ermap</i>	0.000242361	-1.178115851	4.730405467	5.908521317
<i>Ermap</i>	0.010641664	-1.114872325	4.55501644	5.669888765
<i>Ern2</i>	0.004682083	-1.021562734	3.536475249	4.558037984
<i>Ern2</i>	0.007719201	-1.134205981	2.767026035	3.901232015
<i>Ern2</i>	0.017936957	-1.555409221	2.282503747	3.837912969
<i>Espl1</i>	0.007156603	1.009781867	4.309608218	3.299826351
<i>Esr2</i>	0.003854616	-1.147696292	3.403450887	4.551147179
<i>Etv2</i>	0.004817239	-1.086936233	4.405278901	5.492215134
<i>Etv4</i>	0.001603348	1.010307974	6.908339832	5.898031858
<i>Evc2</i>	2.74E-05	-1.101815864	8.182271485	9.284087348

<i>Evc2</i>	0.001088592	-1.06053374	8.319687973	9.380221714
<i>Exph5</i>	0.002185971	-1.922458111	1.855281854	3.777739966
<i>Eya2</i>	0.001678707	1.529417272	3.671444677	2.142027405
<i>F8</i>	0.014125179	-1.307955197	2.104271801	3.412226998
<i>Fabp2</i>	0.001013927	-1.962160975	1.455393154	3.417554129
<i>Fabp9</i>	0.000103638	-2.900451775	1.466378882	4.366830657
<i>Fads6</i>	6.70E-05	-1.744576303	1.729585639	3.474161943
<i>Fam105a</i>	0.00091751	1.101381407	5.749529771	4.648148365
<i>Fam107a</i>	0.040662043	1.122500222	4.191031961	3.068531739
<i>Fam107b</i>	0.000141452	1.142827386	5.286195613	4.143368227
<i>Fam107b</i>	0.000559575	1.058298088	5.366958223	4.308660134
<i>Fam107b</i>	6.34E-05	1.021287481	5.216109353	4.194821872
<i>Fam167a</i>	0.003885209	1.037151008	6.12815864	5.091007631
<i>Fam167a</i>	0.024132558	1.113887839	6.121035639	5.0071478
<i>Fam184b</i>	0.036621231	-1.043842807	2.682570108	3.726412914
<i>Fam219b</i>	0.002627402	1.463407304	10.25195573	8.788548426
<i>Fam222a</i>	4.39E-05	-1.053797254	6.855189082	7.908986336
<i>Fam222a</i>	2.59E-05	-1.025885587	6.89157377	7.917459357
<i>Fam229b</i>	0.001270899	-1.018559488	4.440673477	5.459232965
<i>Fam229b</i>	0.000157183	-1.277509171	4.372410736	5.649919906
<i>Fam46a</i>	0.000352614	1.107041535	7.117788685	6.01074715
<i>Fam46a</i>	5.30E-05	1.070364418	7.123909075	6.053544657
<i>Fam47e</i>	0.02466403	-1.437147774	2.356283301	3.793431075
<i>Fam65b</i>	0.032358027	1.050500373	3.709516901	2.659016528
<i>Fam65b</i>	0.020249741	1.506938117	4.488076179	2.981138062
<i>Fam65b</i>	0.011401549	1.248699538	4.286508277	3.037808738
<i>Fam65b</i>	0.000496966	1.547394721	4.391690433	2.844295712
<i>Fam65b</i>	0.036675989	1.0945798	3.347767555	2.253187756
<i>Fam65b</i>	0.008420704	1.117527375	4.51682702	3.399299645
<i>Fam65b</i>	0.002605653	1.063371861	4.38809169	3.324719829
<i>Fam69c</i>	0.001856075	-1.938482737	1.560059349	3.498542086
<i>Fam69c</i>	0.007039868	-1.899367481	1.739551836	3.638919316
<i>Fanca</i>	0.012492214	1.964767199	3.780656467	1.815889268
<i>Fanca</i>	0.015309428	1.649714941	4.18156246	2.531847519
<i>Fanca</i>	0.04595139	1.220931867	4.069208658	2.848276791
<i>Fanca</i>	0.004643004	1.415240202	4.166073424	2.750833222
<i>Fanca</i>	0.010699537	1.834224882	4.077923703	2.243698821
<i>Fbln1</i>	1.61E-05	1.14843309	7.835439993	6.687006903
<i>Fbp1</i>	4.40E-05	1.717998579	7.277460424	5.559461845
<i>Fbp1</i>	8.10E-05	1.530121071	7.08363391	5.553512839
<i>Fbxl13</i>	0.005646517	1.061442065	5.082182203	4.020740139
<i>Fbxl13</i>	0.000564138	1.057911137	4.955792667	3.897881531
<i>Fbxl4</i>	0.000755194	-1.18178235	4.785389857	5.967172207
<i>Fbxl4</i>	1.08E-05	-1.355943763	4.624392612	5.980336375
<i>Fbxo16</i>	0.001656659	-1.113263499	3.419151704	4.532415203
<i>Fbxo40</i>	9.91E-05	-1.64729613	3.012731832	4.660027963

<i>Fcamr</i>	8.31E-05	2.002319349	4.906050695	2.903731346
<i>Fcamr</i>	0.000260012	2.403862297	4.857834545	2.453972248
<i>Fcamr</i>	0.001083935	2.529468629	4.631380796	2.101912167
<i>Fcamr</i>	0.00040688	2.210987559	3.531343798	1.320356239
<i>Fcamr</i>	0.000316621	2.301200096	4.689251902	2.388051806
<i>Fcer1g</i>	0.010868687	1.083318965	3.598340817	2.515021851
<i>Fcgr1</i>	0.038405728	1.243501113	3.971856862	2.728355749
<i>Fcgr2b</i>	1.43E-06	1.726193929	7.102346408	5.376152479
<i>Fcgr2b</i>	1.12E-05	1.577907433	7.10860283	5.530695397
<i>Fcgr4</i>	7.69E-07	2.48816454	3.896457667	1.408293127
<i>Fcrla</i>	0.042848288	1.101678276	3.921891349	2.820213073
<i>Fcr1s</i>	0.00044878	1.698501793	4.911200141	3.212698348
<i>Fcr1s</i>	0.002414158	1.983062002	5.172842151	3.18978015
<i>Fermt1</i>	0.014802518	1.122963774	4.26126157	3.138297796
<i>Fermt1</i>	0.010271649	1.13115317	4.597073014	3.465919844
<i>Fermt1</i>	0.006612072	1.299311398	4.447985255	3.148673857
<i>Fermt1</i>	0.003112192	1.476751777	4.557597095	3.080845317
<i>Fermt3</i>	0.000437898	1.792997509	4.254629938	2.461632429
<i>Ffar2</i>	4.15E-06	1.048579905	11.11011201	10.06153211
<i>Ffar2</i>	4.67E-05	1.644385308	10.57606802	8.931682717
<i>Fga</i>	0.022221105	-1.089512769	2.758292169	3.847804939
<i>Fga</i>	0.002743073	-1.065741373	3.079465168	4.14520654
<i>Fgd2</i>	1.55E-07	1.55256875	7.109780716	5.557211966
<i>Fgd2</i>	0.044338585	1.150005578	7.065433194	5.915427616
<i>Fgd3</i>	1.13E-05	1.608250458	4.835337932	3.227087474
<i>Fgd3</i>	0.002224345	1.671763019	4.912021523	3.240258503
<i>Fgd3</i>	0.003261105	1.169216192	4.616876447	3.447660256
<i>Fgf17</i>	2.07E-05	1.202696597	8.758518758	7.555822161
<i>Fgfbp1</i>	0.00405182	2.759175651	5.821411911	3.06223626
<i>Fgfbp1</i>	0.00157229	3.451293544	5.888130872	2.436837328
<i>Fgfbp1</i>	0.001437602	3.48042572	6.075549755	2.595124035
<i>Fgfbp1</i>	0.00186301	2.867581127	5.881947478	3.014366351
<i>Fgfr3</i>	0.001343127	1.07614293	4.950900864	3.874757934
<i>Fgfr3</i>	0.005885708	1.137416946	4.564455035	3.427038089
<i>Fgfr3</i>	0.004782914	1.049181057	4.650472367	3.60129131
<i>Fgfr3</i>	0.000146982	1.186932168	4.853959314	3.667027147
<i>Fgfr3</i>	0.012006933	1.200951593	4.779183296	3.578231703
<i>Fgfr3</i>	0.000722151	1.251780856	4.908640505	3.656859649
<i>Fgfr3</i>	0.001220588	1.002306322	4.602542004	3.600235682
<i>Fgfr3</i>	4.06E-05	1.003470398	4.572698062	3.569227664
<i>Fgfr3</i>	0.009038076	1.054742833	4.628121458	3.573378625
<i>Fgfr3</i>	8.61E-05	1.195512288	4.75501961	3.559507322
<i>Fgfr3</i>	0.012495323	1.017014052	4.475854666	3.458840614
<i>Fgfr3</i>	0.000334342	1.3667376	4.942211324	3.575473724
<i>Fgfr3</i>	0.001078597	1.15506877	4.751874971	3.596806201
<i>Fggy</i>	1.57E-05	-1.624808157	2.02543045	3.650238607

<i>Fgr</i>	7.16E-08	2.107059769	3.594031449	1.48697168
<i>Fhl2</i>	0.000158548	1.147022488	7.920345858	6.77332337
<i>Fhl2</i>	0.000167003	1.193545299	7.834096395	6.640551096
<i>Fhl2</i>	4.77E-05	1.353619375	7.940306749	6.586687374
<i>Fmnl1</i>	0.005503011	1.399806947	5.081032163	3.681225215
<i>Fmnl1</i>	1.31E-05	1.437005243	5.057930464	3.620925221
<i>Fmnl1</i>	1.85E-05	1.375598446	4.905255954	3.529657508
<i>Fmnl1</i>	0.002447078	1.090559051	5.225129736	4.134570684
<i>Fmnl1</i>	0.004968871	1.612259009	5.023220123	3.410961114
<i>Fmnl1</i>	0.003748875	1.218073776	5.030354505	3.812280729
<i>Fmnl1</i>	0.000450463	1.340004719	5.005795649	3.665790929
<i>Fmnl1</i>	0.001246888	1.34664281	4.952746618	3.606103808
<i>Fmnl1</i>	2.04E-05	1.871052129	5.189055014	3.318002886
<i>Fmnl1</i>	2.12E-05	1.594025046	5.274387721	3.680362675
<i>Fn1</i>	0.001471957	1.408873403	10.55835143	9.149478031
<i>Fn1</i>	0.000764317	1.426531939	10.49704362	9.070511683
<i>Fn1</i>	0.002066452	1.344064477	10.44770077	9.103636296
<i>Fn1</i>	0.000535075	1.432536484	10.61445643	9.181919949
<i>Fn1</i>	0.000796613	1.445541715	10.5327142	9.087172488
<i>Fn1</i>	0.001053311	1.464904805	10.61536447	9.150459663
<i>Fn1</i>	0.001738714	1.340049463	10.53839741	9.198347942
<i>Fn1</i>	0.00261874	1.283660104	10.45339945	9.169739344
<i>Fn1</i>	0.001915813	1.395702303	10.53096338	9.13526108
<i>Fn1</i>	0.000936868	1.387391336	10.5198923	9.132500959
<i>Fn1</i>	0.00181764	1.272721426	10.41232577	9.139604341
<i>Fn1</i>	0.001603677	1.416019524	10.56347493	9.147455408
<i>Fn1</i>	0.002101499	1.374182298	10.49438036	9.120198063
<i>Fos</i>	4.98E-05	1.572065887	7.082841095	5.510775208
<i>Fosl2</i>	1.95E-05	1.417222476	7.492393991	6.075171516
<i>Foxp2</i>	0.000171697	-1.24466165	5.875969452	7.120631102
<i>Foxp2</i>	5.42E-05	-1.16149942	5.894748671	7.05624809
<i>Foxp2</i>	6.82E-05	-1.279333105	5.70657775	6.985910854
<i>Fpr1</i>	0.024424181	1.012073685	5.015685802	4.003612116
<i>Fpr2</i>	0.001084958	2.300696258	4.600200281	2.299504023
<i>Frem1</i>	0.000918032	1.227984407	3.897860148	2.669875741
<i>Frem1</i>	0.020275286	1.159641362	3.71570364	2.556062278
<i>Frem1</i>	0.000817939	1.169664614	3.920868163	2.751203549
<i>Frzb</i>	0.013537054	1.109223128	4.947689358	3.83846623
<i>Fscn1</i>	0.000678442	1.035246299	6.545711232	5.510464933
<i>Fxyd3</i>	3.74E-05	2.165532805	10.04063128	7.875098475
<i>Fxyd4</i>	0.001244471	2.518588489	7.942179769	5.42359128
<i>Fxyd4</i>	0.00288728	2.310721807	7.913046688	5.602324881
<i>Fxyd4</i>	0.000821536	2.742221165	7.956359754	5.214138589
<i>Fxyd4</i>	0.000847633	2.649426214	7.996532988	5.347106774
<i>Fxyd4</i>	0.000984499	2.575017155	7.936303829	5.361286674
<i>Fxyd4</i>	0.001288363	2.541302828	7.978329734	5.437026906

<i>Fyb</i>	2.91E-05	1.901929473	6.470222161	4.568292688
<i>Fyb</i>	0.004072606	1.16554424	4.840785579	3.675241339
<i>Fyb</i>	0.00206699	1.088273791	4.919684329	3.831410537
<i>Fyb</i>	5.75E-06	1.63495212	6.201644089	4.566691969
<i>Fyb</i>	0.008418909	1.173586304	4.89127466	3.717688356
<i>G6b</i>	0.001691133	-1.181324385	3.411434038	4.592758422
<i>G6b</i>	0.002586541	-1.16229677	3.877338396	5.039635166
<i>G6b</i>	0.023867678	-1.975535853	2.880337634	4.855873487
<i>G6b</i>	0.005734049	-1.115070466	3.595432829	4.710503295
<i>G6b</i>	0.00577348	-1.342508578	3.641226653	4.983735231
<i>G6b</i>	0.001586929	-1.152498683	3.67531346	4.827812143
<i>Gabrp</i>	0.000789619	4.619252215	6.919346649	2.300094435
<i>Gabrp</i>	0.000155645	3.83575372	6.582862071	2.747108352
<i>Gal3st4</i>	0.00570718	1.02871248	3.674440062	2.645727582
<i>Galnt12</i>	0.041923676	1.028314113	3.684387642	2.656073529
<i>Gapdh</i>	0.000565075	-1.178261747	4.44289307	5.621154817
<i>Garnl3</i>	0.002053495	1.307120412	3.846804649	2.539684237
<i>Gbp3</i>	0.001293763	1.399305343	5.38545337	3.986148027
<i>Gbp3</i>	0.000160291	1.558242256	5.405938045	3.847695788
<i>Gbp3</i>	0.000821137	1.106351933	5.322669492	4.216317559
<i>Gbp3</i>	0.002246197	1.202701024	5.153481316	3.950780292
<i>Gbp3</i>	6.32E-05	1.408228195	5.549955827	4.141727633
<i>Gbp3</i>	1.04E-05	1.267274403	5.42258999	4.155315587
<i>Gbp3</i>	0.002031137	1.159224905	5.3643115	4.205086596
<i>Gbp4</i>	0.000695295	1.111207018	6.321723534	5.210516516
<i>Gbp4</i>	3.74E-06	1.177194972	6.234929612	5.05773464
<i>Gbp4</i>	8.46E-05	1.113377692	6.065174906	4.951797214
<i>Gcgr</i>	7.17E-07	1.282266522	8.196595876	6.914329354
<i>Gcnt3</i>	0.040888144	-1.124613944	2.627598401	3.752212345
<i>Gcnt4</i>	0.006716669	1.290663008	4.707551891	3.416888882
<i>Gcnt4</i>	0.001766496	1.421015937	5.025286388	3.60427045
<i>Gcnt4</i>	0.006841913	1.327289374	4.94922656	3.621937186
<i>Gcnt4</i>	8.57E-06	1.667530497	4.836420188	3.168889692
<i>Gcnt4</i>	0.005705232	1.296875287	4.790001366	3.493126079
<i>Gcnt4</i>	0.005293769	1.281423801	4.92265684	3.641233039
<i>Gcnt4</i>	0.001546317	1.38221269	4.712548635	3.330335945
<i>Gdpd2</i>	0.00050434	1.005442352	5.890215374	4.884773022
<i>Gdpd2</i>	2.04E-05	1.224905973	5.779146369	4.554240396
<i>Gfpt2</i>	0.000112011	1.177409077	6.24959206	5.072182983
<i>Ggact</i>	7.45E-05	-1.023966029	5.280819276	6.304785305
<i>Ggt5</i>	0.010328702	1.201613708	3.831502294	2.629888586
<i>Ghrl</i>	0.000925227	-1.153891843	8.6081675	9.762059343
<i>Ghsr</i>	0.003657665	1.453164829	4.088327057	2.635162228
<i>Gipc2</i>	0.000187659	1.855315509	6.362222652	4.506907143
<i>Gipc2</i>	0.000146271	1.546037402	6.239752612	4.69371521
<i>Gjb4</i>	0.000419047	1.975141703	4.516137624	2.54099592

<i>Gjb4</i>	0.002153774	1.617642697	4.670144375	3.052501678
<i>Gjb4</i>	0.000250952	1.660938477	4.690516812	3.029578335
<i>Gjb6</i>	0.008409815	-1.094701105	6.117304049	7.212005154
<i>Glis1</i>	6.79E-06	-1.189384203	5.94315356	7.132537763
<i>Glis3</i>	0.013165669	1.522385792	7.275430092	5.7530443
<i>Glis3</i>	0.014739575	1.575398467	7.128955528	5.553557061
<i>Glis3</i>	0.018968733	1.545813597	7.268369917	5.72255632
<i>Glis3</i>	0.014807054	1.562948531	7.407632239	5.844683707
<i>Gls2</i>	0.000101627	1.016816943	5.763425848	4.746608906
<i>Glycam1</i>	0.001151188	1.022870177	5.295159581	4.272289404
<i>Gm10037</i>	0.022322897	1.052055586	3.784254504	2.732198917
<i>Gm10037</i>	0.042514673	1.372233093	3.819855125	2.447622032
<i>Gm10037</i>	0.003042695	1.664799744	4.050651285	2.385851541
<i>Gm10130</i>	0.004063863	-1.264378641	2.636965763	3.901344404
<i>Gm10130</i>	0.00491287	-1.912845539	2.427496633	4.340342173
<i>Gm11568</i>	0.010288802	-1.172686147	4.049121443	5.22180759
<i>Gm11568</i>	0.000183784	-1.016311228	4.284317928	5.300629157
<i>Gm12881</i>	0.000458914	-1.052369449	9.872075162	10.92444461
<i>Gm13178</i>	0.016825811	-1.653938947	2.215611848	3.869550796
<i>Gm13247</i>	0.000796323	-1.137031357	5.166037796	6.303069153
<i>Gm14517</i>	0.001882699	-1.08106903	7.407188287	8.488257316
<i>Gm14517</i>	0.000870176	-1.119038118	7.387487793	8.50652591
<i>Gm15266</i>	0.000353917	-1.251585944	7.359860009	8.611445952
<i>Gm156</i>	1.45E-05	-1.201216157	4.578388803	5.77960496
<i>Gm16867</i>	0.006320686	-2.044954861	1.462220908	3.50717577
<i>Gm17689</i>	0.004947647	3.551615691	8.525095747	4.973480057
<i>Gm1966</i>	0.005862987	1.845512199	3.490930999	1.6454188
<i>Gm1966</i>	0.000426314	2.460473625	3.605465161	1.144991536
<i>Gm21064</i>	0.000307684	1.297793248	5.935124376	4.637331128
<i>Gm21064</i>	0.031712039	-1.667423344	2.521908568	4.189331912
<i>Gm21064</i>	0.00136285	-1.298593955	2.696853448	3.995447403
<i>Gm21064</i>	2.06E-05	-1.038732033	4.750856742	5.789588774
<i>Gm21064</i>	0.014284434	-2.152041255	1.945585281	4.097626536
<i>Gm21064</i>	0.010129027	-1.58318222	2.124019034	3.707201255
<i>Gm22496</i>	0.001316173	1.064515306	6.455046164	5.390530858
<i>Gm25380</i>	9.21E-05	-1.05030775	4.834750773	5.885058523
<i>Gm29692</i>	0.000146065	-1.561373087	8.101076866	9.662449953
<i>Gm29958</i>	0.001637922	-2.34336982	2.444457472	4.787827291
<i>Gm29986</i>	5.43E-06	1.78687134	10.74551208	8.958640739
<i>Gm32886</i>	9.72E-05	-2.782871841	6.161691984	8.944563825
<i>Gm35257</i>	2.70E-08	-1.126230216	7.755517261	8.881747478
<i>Gm35315</i>	0.013874239	-1.005741752	3.201742925	4.207484677
<i>Gm35549</i>	1.42E-05	-1.380171704	5.120430649	6.500602353
<i>Gm36375</i>	0.000699946	1.550362269	7.305830093	5.755467823
<i>Gm40055</i>	0.015585064	1.890527217	3.295613185	1.405085968
<i>Gm40318</i>	0.008081673	1.060961273	3.190614125	2.129652852

<i>Gm4763</i>	0.000930986	1.945464998	4.699741692	2.754276694
<i>Gm4763</i>	0.005268367	2.196086095	4.957917313	2.761831218
<i>Gm4788</i>	3.65E-05	1.015726283	8.352328866	7.336602583
<i>Gm4881</i>	0.001457315	-1.139720722	2.916904747	4.05662547
<i>Gm4951</i>	0.001222342	1.1270439	4.088548527	2.961504627
<i>Gm4951</i>	0.01847826	1.324776014	4.137486067	2.812710053
<i>Gm5174</i>	0.037257386	-1.195755171	2.149870821	3.345625992
<i>Gm5431</i>	0.000503302	1.433207266	4.515280006	3.08207274
<i>Gm5431</i>	8.29E-05	1.656087237	4.477603693	2.821516456
<i>Gm5431</i>	0.000134389	1.473580604	4.588717027	3.115136423
<i>Gm5431</i>	0.003694805	1.721476502	4.331075428	2.609598927
<i>Gm5464</i>	0.001092441	-1.687542675	2.566674896	4.254217571
<i>Gm6745</i>	0.027467854	1.271469916	4.007886679	2.736416763
<i>Gm6760</i>	0.000148928	-1.424319804	3.247863847	4.672183652
<i>Gm6943</i>	0.002736782	-1.192204552	2.5033598	3.695564352
<i>Gm6987</i>	0.000737064	-1.292860045	9.220316194	10.51317624
<i>Gm7244</i>	0.000271001	-1.884406275	6.491093654	8.375499929
<i>Gm826</i>	0.003357955	1.154341197	4.497189581	3.342848384
<i>Gm9325</i>	6.52E-05	1.010350384	7.792424373	6.782073989
<i>Gm9513</i>	2.92E-06	-1.196533706	7.624105916	8.820639622
<i>Gm9631</i>	1.99E-05	-1.12087412	4.791944517	5.912818636
<i>Gnat2</i>	0.003343082	-1.127689502	3.012983228	4.14067273
<i>Gngt2</i>	2.69E-05	2.00528281	3.731351259	1.726068449
<i>Gngt2</i>	0.005490334	1.152700814	5.813198828	4.660498015
<i>Gngt2</i>	4.50E-05	1.115449055	5.663544262	4.548095207
<i>Gpm6a</i>	0.00341918	1.871555745	4.692280606	2.820724861
<i>Gpm6a</i>	0.003261623	1.702531703	4.761382413	3.05885071
<i>Gpnmb</i>	0.008216162	2.007472902	8.268326773	6.26085387
<i>Gpr160</i>	2.19E-06	-1.013141519	6.035594383	7.048735902
<i>Gpr160</i>	3.83E-05	-1.042850814	6.046686782	7.089537597
<i>Gpr35</i>	0.004483646	1.852601247	3.130291499	1.277690251
<i>Gpr35</i>	6.22E-05	2.251901804	3.580923863	1.32902206
<i>Gpr35</i>	0.020967714	1.942818244	3.728880255	1.78606201
<i>Gpr35</i>	0.001021503	1.976781498	3.814001031	1.837219533
<i>Gpr65</i>	9.82E-05	1.27084046	5.050085064	3.779244604
<i>Gpr75</i>	3.58E-05	-1.069800742	5.306281998	6.37608274
<i>Gprc5b</i>	0.031037581	1.122048367	5.861998904	4.739950537
<i>Gprc5d</i>	0.010462766	-1.530384716	3.696174638	5.226559354
<i>Gprc5d</i>	2.61E-05	-1.34735913	3.951637222	5.298996352
<i>Gpsm3</i>	3.07E-05	1.089584857	7.27567028	6.186085423
<i>Gpx3</i>	1.30E-06	1.094873905	11.03136718	9.936493277
<i>Grhl1</i>	1.22E-05	-1.039858714	8.688012334	9.727871048
<i>Gria1</i>	0.001573872	1.87648161	3.303110882	1.426629272
<i>Grik2</i>	0.019008634	-1.85647743	1.990805769	3.847283199
<i>Grip2</i>	0.008913468	1.581005196	3.558731406	1.977726211
<i>Gsdmc3</i>	0.001661253	1.540800245	6.670476781	5.129676536

<i>Gsdmc3</i>	0.005645851	1.243313335	6.673817291	5.430503956
<i>Gsdmc3</i>	0.003678866	1.44619512	6.643172781	5.196977661
<i>Gsdmc3</i>	0.000996262	1.571202704	6.768111642	5.196908937
<i>Gsdmc3</i>	0.00077234	1.627988836	6.699282797	5.07129396
<i>Gsdmc3</i>	0.000373972	1.56052447	6.744580592	5.184056122
<i>Gsdmc3</i>	0.003723242	1.388292856	6.643439848	5.255146992
<i>Gsdmc3</i>	0.000853119	1.561587921	6.624237829	5.062649908
<i>Gsdmc3</i>	0.005234859	1.526611364	6.533967737	5.007356373
<i>Gsdmc3</i>	0.012917212	1.192965814	6.444309456	5.251343642
<i>Gsdmc3</i>	0.003155922	1.47426859	6.578540718	5.104272129
<i>Gsdmc3</i>	0.001256884	1.524589321	6.795346563	5.270757243
<i>Gsdmc3</i>	0.000690637	1.686477271	6.726241296	5.039764025
<i>Gsdmc3</i>	0.010560568	1.232272792	6.542980557	5.310707765
<i>Gsdmc3</i>	0.001433038	1.551492063	6.756111641	5.204619578
<i>Gsdmc3</i>	0.001658913	1.547119422	6.636658799	5.089539377
<i>Gsdmc3</i>	0.002407537	1.567274789	6.724751684	5.157476895
<i>Gsdmc3</i>	0.002200446	1.390606278	6.552762085	5.162155806
<i>Gsdmc3</i>	0.002134054	1.368100061	6.740725848	5.372625787
<i>Gsg1</i>	0.020031415	-1.252657613	2.277772656	3.530430269
<i>Gsg1</i>	0.01014719	-1.604148812	1.809269377	3.413418189
<i>Gtf2a2</i>	1.44E-05	-1.605790578	6.134293044	7.740083623
<i>Gtse1</i>	0.018110559	1.069310729	3.807491694	2.738180965
<i>Gtse1</i>	0.000837025	2.025608198	3.989905179	1.964296981
<i>Guca1b</i>	0.003825465	-1.251193253	2.665754499	3.916947752
<i>Gucy1b2</i>	0.012300657	-1.735747937	2.256431217	3.992179154
<i>Gucy2e</i>	0.002939855	1.408995612	4.577273199	3.168277587
<i>Gulo</i>	0.000668992	1.180620772	8.491061292	7.31044052
<i>H2-Aa</i>	2.11E-06	2.196953051	9.523113441	7.32616039
<i>H2-Aa</i>	1.03E-07	2.39285545	9.595885036	7.203029586
<i>H2-Aa</i>	1.04E-07	2.435552119	9.670290809	7.234738691
<i>H2-Aa</i>	2.84E-07	2.364336236	9.587072321	7.222736085
<i>H2-Ab1</i>	6.79E-08	2.093047672	11.70169826	9.608650588
<i>H2-Ab1</i>	3.02E-07	2.163142068	11.74799691	9.584854845
<i>H2-Ab1</i>	1.17E-08	2.193395936	11.67189338	9.478497441
<i>H2-Ab1</i>	5.59E-08	2.283734586	11.85499803	9.571263443
<i>H2-DMa</i>	0.030966331	-1.183000753	2.408322934	3.591323687
<i>H2-DMb2</i>	1.11E-06	1.103664284	4.928132819	3.824468534
<i>H2-DMb2</i>	0.013300775	1.703479323	4.854057434	3.150578111
<i>H2-DMb2</i>	0.000784141	1.153244148	4.765467128	3.61222298
<i>H2-DMb2</i>	0.000269569	1.752413531	5.005026923	3.252613391
<i>H2-K1</i>	5.56E-06	1.842247514	12.24721603	10.40496852
<i>H2-K1</i>	2.28E-05	1.665603207	12.06085501	10.39525181
<i>H2-K1</i>	5.80E-06	1.717175829	12.07102121	10.35384538
<i>H2-K1</i>	1.17E-05	1.771077909	12.1908164	10.41973849
<i>H2-K1</i>	1.09E-06	1.993064055	12.37183986	10.3787758
<i>H2-K1</i>	4.15E-06	1.966073369	12.45763512	10.49156175

<i>H2-K1</i>	2.55E-05	1.904791124	12.2769139	10.37212278
<i>H2-K1</i>	6.10E-05	1.060318532	8.583078985	7.522760453
<i>H2-M10.4</i>	0.004518847	1.308756822	4.427016824	3.118260001
<i>H2-Ob</i>	0.000987539	1.4786886	4.354167606	2.875479006
<i>H2-Ob</i>	0.004634244	1.005078258	4.137645245	3.132566987
<i>H2-Q1</i>	4.17E-07	-2.882380864	1.263723291	4.146104155
<i>H2-Q1</i>	0.000454378	-2.766044158	1.40404557	4.170089728
<i>H2-Q1</i>	0.000769148	-2.266978176	1.75598513	4.022963306
<i>H2-Q1</i>	0.000149583	-2.471256933	1.413759831	3.885016763
<i>H2-Q1</i>	0.000578116	-2.358540559	1.561985591	3.92052615
<i>H2-Q1</i>	0.001146602	-2.133159457	2.056063585	4.189223042
<i>H2-Q1</i>	0.000241888	-2.481947354	1.504119892	3.986067246
<i>H2-Q1</i>	5.89E-06	-2.870544212	1.182761339	4.053305551
<i>H2-Q1</i>	1.00E-05	-3.012884417	0.969041896	3.981926313
<i>H2-Q1</i>	0.001459116	-1.688390245	2.204206692	3.892596937
<i>H2-Q1</i>	9.31E-05	-2.702437025	1.447703199	4.150140224
<i>H2-Q2</i>	4.53E-07	1.060904769	12.88137407	11.8204693
<i>H2-T18</i>	1.08E-06	-1.217789694	6.179287126	7.397076821
<i>H2-T18</i>	3.63E-05	-1.248369994	8.542078464	9.790448457
<i>H2-T18</i>	9.13E-05	-1.163043974	8.735796039	9.898840012
<i>H2-T18</i>	1.24E-05	-1.201463962	8.470110171	9.671574133
<i>H60b</i>	0.007150602	2.328330384	3.638039208	1.309708824
<i>Hacd4</i>	0.0014824	1.084075481	6.619072388	5.534996907
<i>Hamp</i>	0.001318226	1.971778326	4.94948577	2.977707445
<i>Hbb-y</i>	0.01270475	-2.045602736	3.889076904	5.93467964
<i>Hbb-y</i>	0.000741959	-1.922839813	3.960290345	5.883130159
<i>Hcar2</i>	0.001459942	1.985270839	3.146444883	1.161174044
<i>Hck</i>	0.000672642	1.52910357	6.518014469	4.988910898
<i>Hck</i>	0.000202808	1.637782341	6.57883558	4.941053239
<i>Hcls1</i>	4.45E-05	1.67635279	6.859247842	5.182895051
<i>Hcrr1</i>	1.01E-05	1.00796144	7.164182545	6.156221104
<i>Hdac5</i>	3.74E-07	1.054758278	8.603263814	7.548505536
<i>Heatr9</i>	0.000592152	1.973395565	6.072374781	4.098979216
<i>Henmt1</i>	0.0007036	1.306833021	4.461047876	3.154214855
<i>Hist1h2ad</i>	1.59E-05	1.79501966	4.461160629	2.666140969
<i>Hist1h2ba</i>	0.003156614	-1.445299789	2.235907976	3.681207765
<i>Hist1h2bk</i>	1.41E-06	2.126704469	6.551597938	4.424893469
<i>Hk2</i>	0.015945219	1.55306899	3.844079413	2.291010423
<i>Hk2</i>	0.000225731	2.12441242	3.790547657	1.666135237
<i>Hlx</i>	0.000563521	1.058414599	5.688732863	4.630318263
<i>Hmha1</i>	4.40E-05	1.42202859	6.239214248	4.817185658
<i>Hmha1</i>	1.46E-05	1.567883698	6.020931571	4.453047874
<i>Hmha1</i>	0.000471924	1.57872337	6.137823507	4.559100138
<i>Hmha1</i>	4.33E-05	1.597553007	6.02111462	4.423561613
<i>Hmha1</i>	0.000223692	1.859086117	6.118788866	4.259702749
<i>Hmha1</i>	0.000443413	1.417179215	5.948238212	4.531058997

<i>Hnrnpa2b1</i>	8.61E-05	1.790050198	6.528729957	4.738679759
<i>Hnrnpa2b1</i>	6.97E-05	1.791645101	6.539392581	4.74774748
<i>Hnrnpa2b1</i>	0.000470763	1.528859637	6.418967367	4.89010773
<i>Hpgds</i>	0.001560794	1.522255545	4.80938063	3.287125086
<i>Hpgds</i>	0.000844194	1.238042588	4.817779837	3.579737249
<i>Hps1</i>	0.000349936	1.057921273	8.268917322	7.210996049
<i>Hs3st2</i>	0.036367622	-1.298168227	2.259836712	3.558004939
<i>Hs3st6</i>	0.025389377	-1.200441074	3.029564131	4.230005205
<i>Hs3st6</i>	0.021615382	-1.043325058	3.111821223	4.155146281
<i>Hsp90aa1</i>	0.00189127	1.135703925	12.11141609	10.97571217
<i>Hspa1a</i>	0.002073804	4.573696949	12.10192938	7.528232435
<i>Hspa1a</i>	0.001846991	4.809457244	12.33066844	7.521211191
<i>Hspa1a</i>	0.001775671	4.784236447	12.28954514	7.50530869
<i>Hspa1a</i>	0.001643631	4.803207103	12.29438195	7.491174849
<i>Hspa1b</i>	0.001720498	4.276176128	11.62711972	7.350943589
<i>Hspa1b</i>	0.001099726	4.351269383	11.73155127	7.380281886
<i>Hspa1b</i>	0.001769781	4.486241937	11.82846877	7.342226835
<i>Hspa1b</i>	0.001475287	4.194346656	11.59869449	7.404347831
<i>Hspa4l</i>	0.001072947	1.046953293	8.208125345	7.161172052
<i>Hspa8</i>	0.000318649	1.612905883	13.93885323	12.32594735
<i>Hspb9</i>	0.016151944	-1.103818577	2.588909105	3.692727682
<i>Hsph1</i>	0.009052941	1.648384416	10.66248201	9.014097595
<i>Hsph1</i>	0.007618364	1.93640206	10.93058721	8.994185153
<i>Hsph1</i>	0.008674175	1.677866543	10.70466197	9.026795426
<i>Hsph1</i>	0.011222964	1.686450592	10.72630246	9.039851866
<i>Htatip2</i>	0.002334467	-1.030017569	6.741903921	7.77192149
<i>Htr7</i>	0.003291957	1.02863019	5.56126651	4.53263632
<i>I830077J02Rik</i>	0.000421705	1.064580869	4.550898134	3.486317264
<i>Ido1</i>	1.03E-06	5.096074695	6.707048204	1.610973508
<i>Ido1</i>	1.18E-07	5.248262151	6.480981598	1.232719447
<i>lfi203</i>	2.02E-05	1.033012289	5.039008657	4.005996369
<i>lfi205</i>	0.000341081	1.047284395	8.7386856	7.691401205
<i>lfi27l2a</i>	0.042022827	1.379925969	9.00693935	7.627013382
<i>lfi47</i>	1.04E-05	1.611179587	5.872665531	4.261485944
<i>lfi47</i>	0.000203358	1.769346107	6.051263994	4.281917887
<i>lfi47</i>	6.05E-07	1.320852103	5.783891943	4.46303984
<i>lfi47</i>	6.00E-06	1.504226792	5.925747425	4.421520633
<i>lfi47</i>	0.000970462	1.267467645	5.783860472	4.516392827
<i>lfi47</i>	6.14E-05	1.710052316	5.84486191	4.134809594
<i>lfi47</i>	1.10E-05	1.499211399	5.897709369	4.39849797
<i>lfi47</i>	0.00013215	1.716087453	5.938095012	4.222007558
<i>lfi47</i>	0.000522682	1.520389792	5.769826265	4.249436473
<i>lfi47</i>	0.000180794	1.494314006	5.952515095	4.45820109
<i>lfi47</i>	1.97E-05	1.377272083	5.927028985	4.549756902
<i>lfi47</i>	0.000435779	1.681628386	5.888644113	4.207015728
<i>lfit1</i>	0.000333289	2.606133286	5.551603068	2.945469781

<i>lfit1b1</i>	1.45E-05	5.172112703	6.764374325	1.592261622
<i>lfit1b1</i>	5.87E-08	5.640065424	6.890793528	1.250728104
<i>lfit1b1</i>	1.50E-06	5.183888335	6.703222115	1.51933378
<i>lfit3</i>	0.000225485	1.656731793	5.211587412	3.554855618
<i>lfitm3</i>	0.00062353	1.216655198	11.77103002	10.55437482
<i>lgfbp4</i>	9.19E-06	1.031064773	11.01516299	9.984098212
<i>lgsf10</i>	9.98E-05	1.048833672	5.658192991	4.609359319
<i>lgsf5</i>	5.60E-06	1.56421258	8.004933494	6.440720915
<i>lgsf5</i>	2.73E-05	1.734424275	8.516735946	6.78231167
<i>lgsf5</i>	7.40E-05	1.774055617	8.433403434	6.659347818
<i>lgsf9b</i>	0.000373308	1.479246225	4.661188827	3.181942602
<i>lgsf9b</i>	0.012436201	1.11718997	4.513878884	3.396688914
<i>lgtp</i>	0.00036572	1.020406389	8.331081472	7.310675083
<i>lgtp</i>	0.00033948	1.094127893	8.405438279	7.311310387
<i>ligp1</i>	3.32E-05	1.320850153	6.073129766	4.752279613
<i>ligp1</i>	0.000735522	1.277594976	5.903277843	4.625682867
<i>ligp1</i>	0.00014991	1.772633596	5.832007373	4.059373777
<i>ligp1</i>	8.47E-05	1.261466942	5.955241111	4.693774169
<i>ligp1</i>	1.08E-05	1.602066363	6.233687515	4.631621152
<i>ligp1</i>	0.00017427	1.313467221	5.853847546	4.540380325
<i>lkzf1</i>	0.000317582	1.902116781	5.133275818	3.231159037
<i>lkzf1</i>	4.70E-06	2.234603199	5.408449806	3.173846608
<i>lkzf1</i>	0.000206585	1.333032064	4.939854029	3.606821965
<i>lkzf1</i>	0.000172845	2.38402123	5.18981843	2.805797201
<i>lkzf1</i>	0.001454024	1.763063283	5.053422885	3.290359602
<i>lkzf1</i>	0.002906784	2.336420815	5.28603524	2.949614425
<i>lkzf1</i>	0.000309281	2.648069461	5.327158109	2.679088648
<i>lkzf1</i>	1.76E-05	2.030147005	5.442548054	3.412401049
<i>lkzf1</i>	1.29E-05	1.640715539	5.157784464	3.517068925
<i>lkzf1</i>	0.000135964	1.887563341	5.22007488	3.332511539
<i>lkzf1</i>	9.39E-06	2.174175623	5.518066522	3.343890899
<i>lkzf1</i>	0.001394875	2.381121763	5.047304148	2.666182385
<i>lkzf1</i>	0.001889539	1.881119652	5.100037144	3.218917491
<i>lkzf1</i>	0.002358893	1.86063642	5.146806862	3.286170442
<i>lkzf1</i>	0.000585057	1.451595858	5.114343245	3.662747387
<i>lkzf1</i>	0.001014104	1.936192348	5.117945719	3.181753371
<i>lkzf1</i>	0.000450108	1.967615384	5.204892381	3.237276997
<i>lkzf1</i>	0.000402029	2.225933066	5.122253574	2.896320508
<i>lkzf1</i>	0.000618281	1.761486135	5.212216431	3.450730296
<i>lkzf1</i>	5.14E-05	2.12022787	5.175670435	3.055442565
<i>lkzf1</i>	0.006634028	2.413643844	5.130239964	2.71659612
<i>lkzf1</i>	0.000927412	1.924034004	5.083525428	3.159491424
<i>lkzf1</i>	0.0005637	1.747047729	5.296265404	3.549217676
<i>lkzf1</i>	1.93E-05	2.213342683	5.273247328	3.059904645
<i>lkzf1</i>	0.000378881	1.847281811	5.262197994	3.414916183
<i>lkzf1</i>	5.18E-05	1.589167088	5.099232984	3.510065896

<i>lkzf1</i>	0.001086343	2.081360262	5.189476351	3.10811609
<i>lkzf1</i>	0.000314916	1.849185358	5.138216008	3.28903065
<i>lkzf4</i>	5.20E-05	1.271104004	9.668880572	8.397776567
<i>lkzf4</i>	2.93E-05	1.210281017	9.681899159	8.471618141
<i>ll10ra</i>	9.12E-05	2.162438973	5.309608326	3.147169353
<i>ll10ra</i>	0.00012729	1.502452157	5.16906812	3.666615963
<i>ll1b</i>	2.49E-05	2.776768954	6.526597302	3.749828348
<i>ll1f9</i>	0.024772929	1.275024283	4.142735788	2.867711505
<i>ll1rl1</i>	0.000166724	2.063625399	3.349939252	1.286313853
<i>ll1rn</i>	1.42E-07	5.610599617	6.739742362	1.129142744
<i>ll1rn</i>	1.30E-07	5.862891117	6.749621917	0.8867308
<i>ll1rn</i>	6.47E-08	5.892074003	6.750799435	0.858725432
<i>ll2rg</i>	3.48E-05	1.473461811	6.231536889	4.758075078
<i>ll2rg</i>	6.12E-05	1.441671737	6.098469317	4.65679758
<i>ll2rg</i>	6.88E-06	1.218233481	6.209483193	4.991249711
<i>ll4ra</i>	0.000184611	1.099190213	6.03791499	4.938724777
<i>ll7r</i>	0.001917474	2.161855216	4.31964746	2.157792244
<i>ll7r</i>	0.003420186	2.219742662	4.010069201	1.790326539
<i>lmpg1</i>	7.88E-05	1.265955002	10.39691366	9.130958658
<i>lncenp</i>	0.000240077	1.043086386	4.912057419	3.868971032
<i>lnpp4b</i>	0.002082877	1.643208003	3.418221239	1.775013236
<i>lnpp4b</i>	0.003654179	1.990050957	3.582626828	1.59257587
<i>lnpp5d</i>	3.70E-06	1.642647732	6.566079277	4.923431545
<i>lnpp5d</i>	6.63E-06	1.594731775	6.585491323	4.990759549
<i>lnpp5d</i>	4.47E-05	1.81170814	6.636819803	4.825111662
<i>lnpp5d</i>	3.31E-05	1.755310257	6.72618768	4.970877423
<i>lnpp5d</i>	8.62E-05	1.614766506	6.651724543	5.036958037
<i>lnpp5d</i>	4.41E-06	1.536700576	6.601313842	5.064613266
<i>lnpp5d</i>	4.80E-05	1.52807003	6.451040843	4.922970814
<i>lnpp5d</i>	1.21E-05	1.593052821	6.488555628	4.895502807
<i>lnpp5d</i>	1.35E-05	1.376917315	6.572561455	5.195644141
<i>lqcb1</i>	2.71E-06	1.383340641	10.8952289	9.51188826
<i>lqcb1</i>	2.70E-05	1.264836034	10.67037708	9.405541051
<i>lqcb1</i>	4.20E-06	1.507332384	11.16593759	9.658605209
<i>lqcb1</i>	5.81E-06	1.272009063	10.74124388	9.469234817
<i>lqcf3</i>	0.002374142	-1.192877108	2.803940813	3.996817921
<i>lqgap3</i>	0.017989798	1.40676342	3.899287492	2.492524072
<i>lqgap3</i>	0.00654143	1.826743649	3.802288072	1.975544423
<i>lrf4</i>	0.002493611	1.567772148	3.928377765	2.360605617
<i>lrf5</i>	1.65E-05	1.609927741	5.550862325	3.940934584
<i>lrf5</i>	0.000508569	1.293082796	5.441860817	4.148778021
<i>lrf5</i>	0.000652143	2.152414293	5.793365433	3.64095114
<i>lrf5</i>	1.25E-05	1.544505062	5.622198392	4.07769333
<i>lrf5</i>	0.000115712	1.762693962	5.761333169	3.998639207
<i>lrf5</i>	1.36E-06	1.597049886	5.348874499	3.751824613
<i>lrf5</i>	7.45E-05	1.734690274	5.640934144	3.906243869

<i>lrf5</i>	0.000146191	1.54767535	5.566050902	4.018375552
<i>lrf7</i>	1.58E-06	1.324219955	7.539552787	6.215332832
<i>lrf7</i>	1.51E-06	1.347204666	7.639704606	6.292499941
<i>lrf7</i>	2.90E-06	1.476755611	7.593967936	6.117212325
<i>lrf7</i>	4.00E-07	1.403255319	7.609152857	6.205897538
<i>lrf9</i>	1.10E-06	1.16217223	9.718841104	8.556668874
<i>lrf9</i>	1.17E-06	1.152789878	9.869098889	8.716309011
<i>lrgc1</i>	0.003263762	-1.232915878	5.464533426	6.697449304
<i>lrgc1</i>	7.54E-05	-1.149417382	5.528801961	6.678219342
<i>lrgc1</i>	0.00037372	-1.041643074	5.606225417	6.647868491
<i>lrgm1</i>	1.33E-05	1.176415428	7.428910872	6.252495444
<i>lrgm1</i>	1.36E-05	1.244862029	7.659744148	6.414882119
<i>lrgm1</i>	6.87E-06	1.173401119	7.418191026	6.244789907
<i>lrgm1</i>	1.95E-05	1.317058429	7.714491141	6.397432712
<i>lrgm1</i>	2.56E-05	1.194523431	7.533717797	6.339194366
<i>lrgm1</i>	1.03E-05	1.377810664	7.675899971	6.298089307
<i>lrgm2</i>	0.000103795	1.243494076	5.577192195	4.333698119
<i>lrgm2</i>	8.03E-06	1.156158077	5.316540459	4.160382382
<i>ltga2</i>	8.22E-06	1.013154949	9.139286426	8.126131477
<i>ltga4</i>	0.000930372	1.146678651	5.411579286	4.264900635
<i>ltgae</i>	0.001246611	-1.064304045	5.037413475	6.10171752
<i>ltgal</i>	0.001150938	2.389535747	4.405756417	2.01622067
<i>ltgal</i>	0.000288043	1.713045312	4.552754186	2.839708874
<i>ltgal</i>	0.003433142	1.969757136	4.622511484	2.652754348
<i>ltgal</i>	0.00123747	2.20458469	3.992463147	1.787878457
<i>ltgam</i>	3.37E-05	1.620667837	7.533653951	5.912986114
<i>ltgam</i>	6.25E-05	1.38761138	7.362997919	5.975386539
<i>ltgax</i>	5.47E-05	1.563300254	5.477638342	3.914338087
<i>ltgax</i>	7.42E-05	1.848339864	5.694936312	3.846596448
<i>ltgb2</i>	0.00106236	1.588387912	6.796965657	5.208577744
<i>ltgb2</i>	0.000349741	1.662228525	6.810864479	5.148635954
<i>ltgb2</i>	0.000138785	1.47679594	6.815303733	5.338507793
<i>ltgb2</i>	0.0003686	1.552760307	6.875465947	5.322705639
<i>ltgb2l</i>	0.000418249	1.043399841	5.059744156	4.016344315
<i>ltgb2l</i>	0.006589271	1.099156212	5.189715315	4.090559103
<i>ltgb4</i>	3.11E-05	1.035538861	7.353346747	6.317807886
<i>ltgb4</i>	2.39E-07	1.224952698	7.51890636	6.293953662
<i>ltgb4</i>	3.87E-05	1.230001251	7.286017787	6.056016536
<i>ltgb6</i>	4.46E-05	2.979113995	6.117756531	3.138642535
<i>ltgb6</i>	0.000110135	2.049985798	6.183234926	4.133249128
<i>ltgb6</i>	2.90E-05	3.223758528	6.185397022	2.961638493
<i>ltgb6</i>	0.000239076	3.160561049	5.909890703	2.749329653
<i>ltgb6</i>	0.000448851	3.747378345	5.96885844	2.221480095
<i>ltgb6</i>	9.70E-05	3.235250191	6.003053746	2.767803555
<i>ltgb7</i>	0.000318291	1.351928095	5.259218215	3.90729012
<i>ltgb7</i>	0.002228009	1.009627048	5.025829403	4.016202355

<i>Itpr1l1</i>	0.00208782	1.008836992	5.736335827	4.727498835
<i>Itpr1l1</i>	0.000203505	1.132877264	5.640675905	4.507798641
<i>Itpr1l1</i>	0.000402339	1.010601919	5.719527307	4.708925389
<i>Ivl</i>	0.000345978	2.584308512	3.487223219	0.902914707
<i>Jak3</i>	1.18E-05	1.449229775	4.749897729	3.300667954
<i>Jakmip2</i>	0.035909121	-1.339831047	2.390353209	3.730184256
<i>Kalrn</i>	0.00400261	1.289279707	4.805613295	3.516333589
<i>Kalrn</i>	0.0106086	1.0434986	4.402036051	3.35853745
<i>Kalrn</i>	0.011969908	1.26828224	4.411963187	3.143680947
<i>Kalrn</i>	0.000487469	1.018342822	4.422003627	3.403660804
<i>Kcna2</i>	0.036655572	1.36165009	4.516329543	3.154679453
<i>Kcna2</i>	0.031510315	1.482829937	4.365094156	2.88226422
<i>Kcna3</i>	0.021268701	1.66926034	4.292354076	2.623093736
<i>Kcna5</i>	0.000987165	-1.446789915	2.107822034	3.554611949
<i>Kcnc1</i>	0.003195491	2.200252111	4.13673127	1.936479159
<i>Kcnc1</i>	0.014373307	1.3495626	4.483133641	3.133571042
<i>Kcnc1</i>	0.001224321	1.43930628	4.638878208	3.199571927
<i>Kcnd1</i>	0.017492638	1.228817721	3.642091613	2.413273893
<i>Kcnh7</i>	0.003567497	1.968511939	8.187955162	6.219443223
<i>Kcnh7</i>	0.001796013	1.495197516	8.099143234	6.603945718
<i>Kcnh7</i>	2.67E-05	1.901755618	8.415142767	6.51338715
<i>Kcnip1</i>	0.045164711	-1.254804319	2.255752426	3.510556745
<i>Kcnj15</i>	0.000465082	2.130826462	3.410957162	1.280130699
<i>Kcnj15</i>	0.00143026	1.934694426	3.611160002	1.676465575
<i>Kcnk5</i>	0.005350742	1.728075073	4.323255811	2.595180738
<i>Kcnn1</i>	0.010060502	-1.358244451	2.232824048	3.591068499
<i>Kcnn1</i>	0.00074338	-2.115806923	1.474071765	3.589878688
<i>Kcnn1</i>	0.014684092	-1.487244453	2.232474911	3.719719364
<i>Kcnn4</i>	0.001222715	2.155196662	5.789408075	3.634211412
<i>Kcnn4</i>	0.002605917	1.893097623	5.300469093	3.40737147
<i>Kcnq1</i>	0.002540843	1.798754797	6.318078044	4.519323247
<i>Kcnq1</i>	0.028603973	1.22869365	6.713677989	5.484984339
<i>Kcnq1</i>	0.012102935	1.630324402	6.096699964	4.466375563
<i>Kcnq1</i>	0.001976515	1.888837645	6.405869762	4.517032116
<i>Kcnq1</i>	0.012269363	1.380325391	6.793613949	5.413288558
<i>Kcnq1</i>	0.014598215	1.371404775	6.750780361	5.379375586
<i>Kcnq1</i>	0.002874126	2.155901216	6.330012507	4.174111291
<i>Kcnq1</i>	0.033198119	1.293692528	6.721550785	5.427858257
<i>Kcnq2</i>	0.009621864	-1.650111852	1.780834135	3.430945987
<i>Kcns3</i>	0.043535657	1.708855875	4.545078068	2.836222192
<i>Kcns3</i>	0.018070243	1.530669788	4.584791666	3.054121877
<i>Kcns3</i>	0.001359337	1.585168192	4.857719045	3.272550853
<i>Kcns3</i>	0.001498748	1.87387549	4.462933766	2.589058276
<i>Kcns3</i>	0.00767305	1.3100247	4.753469314	3.443444614
<i>Kctd14</i>	0.013607771	1.265265637	4.363685675	3.098420038
<i>Kctd14</i>	0.004038872	1.151975597	4.27834519	3.126369592

<i>Kif11</i>	0.025318076	1.027438067	3.994845621	2.967407554
<i>Kif14</i>	0.04544603	1.760578736	3.081991695	1.321412959
<i>Kif18b</i>	0.00042068	1.216293513	4.988297436	3.772003923
<i>Kif18b</i>	0.005946471	1.364986997	4.980915105	3.615928108
<i>Kif21a</i>	0.042838597	1.239851677	3.544280873	2.304429196
<i>Kif22</i>	0.000167036	1.555381241	4.084929888	2.529548646
<i>Kif22</i>	0.009393462	1.556763765	4.117446716	2.56068295
<i>Kif2c</i>	0.044802605	1.010539439	6.505509025	5.494969585
<i>Kif4</i>	0.009203814	2.116168699	3.881284939	1.76511624
<i>Kif4</i>	0.004222096	1.12745072	3.681052573	2.553601853
<i>Kif4</i>	0.006228801	2.15232642	3.8617018	1.70937538
<i>Kif9</i>	0.000595691	1.091202335	8.878572995	7.787370659
<i>Kit</i>	0.001782892	1.07950923	5.784185302	4.704676071
<i>Klf10</i>	2.90E-05	1.053665453	6.667508036	5.613842584
<i>Klf5</i>	1.04E-07	1.969935058	8.869459978	6.89952492
<i>Klhdc9</i>	0.000107468	-1.361120574	4.17644048	5.537561054
<i>Klhl10</i>	0.00699705	-1.072223636	3.537383427	4.609607063
<i>Klhl3</i>	0.002438296	-1.065220924	3.895743654	4.960964577
<i>Klra17</i>	0.004262076	2.223211514	3.669579583	1.446368069
<i>Klra17</i>	0.00132354	1.099715585	3.668703986	2.568988401
<i>Klrb1</i>	0.016493946	1.04605264	7.925443635	6.879390995
<i>Klrb1b</i>	0.014786657	1.191481949	4.502404705	3.310922757
<i>Klrg2</i>	0.001581274	1.656444975	4.079278194	2.422833219
<i>Kntc1</i>	9.78E-05	2.137280334	3.522959762	1.385679427
<i>Krt15</i>	3.67E-05	1.514524662	11.45171874	9.937194077
<i>Krt35</i>	0.006839525	1.384331541	3.717852015	2.333520474
<i>Krt4</i>	3.53E-07	1.55363203	8.639039842	7.085407812
<i>Krt6a</i>	2.96E-07	4.883392021	6.144455562	1.261063541
<i>Krt7</i>	0.000630932	1.45589175	8.281874913	6.825983162
<i>Kynu</i>	0.019565637	1.42181256	4.02796864	2.60615608
<i>Kynu</i>	0.000820293	1.658538175	3.851705846	2.193167671
<i>LOC100044068</i>	0.000518649	1.339417687	5.805755325	4.466337638
<i>LOC100862473</i>	0.000175703	1.037393284	6.916732252	5.879338968
<i>LOC102642386</i>	0.000605053	-1.24682863	3.680263486	4.927092117
<i>LOC102642386</i>	0.000792403	-1.061379933	2.788400554	3.849780487
<i>LOC105244402</i>	1.57E-05	-1.644646964	1.887713872	3.532360836
<i>LOC108167370</i>	0.000121922	-1.797477773	3.063241812	4.860719585
<i>LOC108167801</i>	0.000571765	-1.666936533	4.325501366	5.992437898
<i>LOC108167874</i>	5.56E-07	-1.125544291	6.485052381	7.610596672
<i>LOC108167963</i>	6.50E-06	-1.241171446	5.698744103	6.939915549
<i>LOC108168098</i>	9.65E-07	-1.60616377	6.055622973	7.661786744
<i>LOC108168307</i>	2.90E-05	-2.193306506	2.754710746	4.948017252
<i>LOC108168644</i>	0.000242991	-2.118815051	2.394115043	4.512930094
<i>LOC108168644</i>	0.001012392	-1.627417651	2.984284138	4.61170179
<i>LOC108168644</i>	0.002100407	-1.644723436	2.845822396	4.490545832
<i>LOC108168644</i>	0.00881901	-2.243280957	2.170390004	4.413670961

<i>LOC108168644</i>	0.000244287	-1.577016457	3.089949911	4.666966368
<i>LOC108169201</i>	0.024409755	1.039599013	3.733821785	2.694222772
<i>Lacc1</i>	0.010118905	1.172775361	3.965553916	2.792778554
<i>Lair1</i>	0.016366708	1.642989601	3.837430512	2.194440911
<i>Lair1</i>	8.01E-05	1.830017124	4.21836066	2.388343536
<i>Lair1</i>	0.000330116	1.81588288	4.084714806	2.268831925
<i>Lair1</i>	0.000862122	2.256697696	4.209245122	1.952547425
<i>Lair1</i>	0.000627988	2.573481262	4.165865032	1.592383771
<i>Lair1</i>	0.005952245	1.68664293	4.184564042	2.497921112
<i>Lair1</i>	0.001856763	1.736948548	4.215984946	2.479036399
<i>Lama3</i>	0.009593911	1.042274522	4.55585022	3.513575698
<i>Lancl1</i>	0.00043725	-1.059807011	5.21221981	6.27202682
<i>Laptm5</i>	2.07E-06	1.961896082	9.677799969	7.715903888
<i>Laptm5</i>	1.11E-06	1.801070983	9.747422733	7.94635175
<i>Laptm5</i>	1.55E-06	2.012469756	9.980997813	7.968528057
<i>Lat2</i>	0.005252486	1.09080809	5.793322428	4.702514338
<i>Lat2</i>	0.003280102	1.050932825	5.681186195	4.63025337
<i>Lbp</i>	3.57E-09	1.398559497	8.887834247	7.489274751
<i>Lce6a</i>	9.07E-05	2.487990944	4.942745414	2.45475447
<i>Lce6a</i>	0.031526502	1.052652943	3.775760189	2.723107247
<i>Lcn2</i>	2.96E-08	4.724913191	11.43996908	6.715055891
<i>Lect1</i>	0.002458477	1.995805575	3.835623348	1.839817772
<i>Lect1</i>	0.002943351	2.25804722	3.742983482	1.484936262
<i>Lekr1</i>	0.006167571	-1.050393939	3.716977733	4.767371672
<i>Lgals3bp</i>	4.94E-09	2.191069456	10.17905742	7.987987963
<i>Lgals9</i>	5.24E-05	1.665047864	7.391744448	5.726696584
<i>Lgals9</i>	1.65E-06	1.848395008	7.358285514	5.509890506
<i>Lgmn</i>	1.23E-07	1.201093396	8.653562427	7.452469031
<i>Lifr</i>	0.004316886	1.104911415	7.205025078	6.100113663
<i>Lifr</i>	0.005999331	1.085204507	7.230147483	6.144942976
<i>Lifr</i>	0.000155458	1.159759081	7.113136617	5.953377536
<i>Lifr</i>	0.00167686	1.110968054	7.28716686	6.176198806
<i>Lifr</i>	0.000599773	1.241342457	7.30752163	6.066179173
<i>Lifr</i>	0.002544155	1.074393304	7.144240485	6.06984718
<i>Lifr</i>	0.00591039	1.108718847	7.225577501	6.116858654
<i>Lilr4b</i>	0.000110225	1.993682931	7.646539445	5.652856515
<i>Lilr4b</i>	1.97E-05	1.604497477	7.588381197	5.98388372
<i>Lilr4b</i>	5.67E-05	1.618187256	7.60917106	5.990983804
<i>Lilrb4a</i>	2.01E-05	1.591512528	7.053325075	5.461812547
<i>Lilrb4a</i>	2.23E-06	1.867963045	7.177108183	5.309145138
<i>Lilrb4a</i>	0.000154156	1.814452219	7.096093238	5.281641019
<i>Lilrb4a</i>	2.07E-05	1.865042018	7.126634072	5.261592055
<i>Lilrb4a</i>	0.000205381	1.913235159	7.124080081	5.210844922
<i>Lilrb4a</i>	1.70E-05	1.917788107	7.068561819	5.150773712
<i>Lin7a</i>	0.000125338	1.020331663	7.735651815	6.715320151
<i>Lipa</i>	0.000171887	1.055973361	6.154187669	5.098214309

<i>Lmo1</i>	0.004946211	1.341516332	6.091029615	4.749513283
<i>Lox</i>	0.000371017	1.391900761	7.659788694	6.267887933
<i>Lox</i>	0.000106365	1.209384395	7.411325726	6.201941331
<i>Lox</i>	0.000111261	1.23003233	7.5366559	6.30662357
<i>Loxhd1</i>	8.77E-06	1.11222071	5.854211235	4.741990525
<i>Loxl1</i>	3.07E-05	1.075503962	8.676295949	7.600791988
<i>Lpgat1</i>	0.000586931	1.207910257	8.445491908	7.237581651
<i>Lpgat1</i>	0.000451226	1.206678575	8.367798171	7.161119596
<i>Lpgat1</i>	0.000140619	1.306759169	8.454902566	7.148143397
<i>Lpo</i>	0.001852943	3.649393347	4.775033147	1.125639801
<i>Lpo</i>	0.002796617	3.620075108	4.616031303	0.995956195
<i>Lpo</i>	0.049535603	2.755125339	4.392498723	1.637373384
<i>Lrig1</i>	0.000322374	1.157609357	8.729229737	7.571620379
<i>Lrig1</i>	0.000739933	1.107280112	8.579166433	7.471886321
<i>Lrig1</i>	0.016860757	1.084379412	8.320246535	7.235867122
<i>Lrmp</i>	0.008903666	1.03370797	4.260534721	3.226826751
<i>Lrmp</i>	0.000378625	1.167297449	4.557601329	3.390303881
<i>Lrmp</i>	0.000402762	1.3597828	4.162068236	2.802285436
<i>Lrp1b</i>	0.011291492	1.131379937	3.865989374	2.734609437
<i>Lrrc36</i>	0.001608246	-1.014250554	4.254004965	5.268255519
<i>Lrrc63</i>	0.000902698	-1.252655474	3.163973494	4.416628968
<i>Lrriq3</i>	0.030740968	-1.047549606	2.41996216	3.467511766
<i>Lrrtm4</i>	3.53E-05	1.708341537	3.606147446	1.897805908
<i>Lrrtm4</i>	0.03036123	1.044099751	3.745518974	2.701419224
<i>Lrtm2</i>	0.000283517	-1.068584338	3.517668765	4.586253103
<i>Lsamp</i>	5.29E-07	-1.219512537	3.652740799	4.872253336
<i>Lsp1</i>	2.23E-05	1.020923612	9.53209183	8.511168218
<i>Lst1</i>	0.000251842	2.649770968	4.421858847	1.772087879
<i>Lst1</i>	1.24E-06	2.569909557	4.399322868	1.829413311
<i>Lst1</i>	1.13E-05	2.689391732	4.331364498	1.641972766
<i>Lst1</i>	4.76E-06	3.009391433	4.464429714	1.455038281
<i>Ltbp2</i>	0.02975679	1.241603301	6.455718665	5.214115364
<i>Ltf</i>	0.000242196	1.179614581	5.858408589	4.678794008
<i>Lum</i>	4.54E-05	1.165887793	8.188180289	7.022292496
<i>Lvrn</i>	0.006109195	1.051538485	4.476723268	3.425184783
<i>Lvrn</i>	0.03664221	1.290067031	3.597734427	2.307667396
<i>Ly6a</i>	2.19E-05	1.859602361	14.23631695	12.37671459
<i>Ly6a</i>	3.02E-05	1.863354513	14.30820634	12.44485182
<i>Ly6a</i>	3.70E-06	1.82897689	14.20671318	12.37773629
<i>Ly6a</i>	3.60E-06	1.904062646	14.13722637	12.23316373
<i>Ly6a</i>	9.22E-06	1.843658354	14.15766863	12.31401028
<i>Ly6a</i>	3.26E-06	1.888656335	14.22996158	12.34130525
<i>Ly6c1</i>	0.001252157	1.401555115	5.642426424	4.24087131
<i>Ly6c1</i>	1.62E-05	1.58142021	5.723706591	4.142286381
<i>Ly6e</i>	4.70E-05	1.581848178	10.56399972	8.982151547
<i>Ly6e</i>	0.000170382	1.493033178	10.72282189	9.229788716

<i>Ly6e</i>	4.12E-05	1.636651893	10.77975694	9.143105046
<i>Ly6e</i>	0.000105956	1.401007094	10.49278994	9.091782843
<i>Ly6e</i>	0.000174664	1.44536453	10.55379729	9.108432761
<i>Ly6e</i>	8.08E-05	1.299985237	10.43352218	9.133536943
<i>Ly6f</i>	0.000124376	1.492606171	10.49258531	8.99997914
<i>Ly6f</i>	0.000422723	1.392199167	10.55448812	9.162288955
<i>Ly6g6e</i>	4.19E-05	-1.040209387	6.750258464	7.790467851
<i>Ly86</i>	8.74E-05	1.243285201	8.637219847	7.393934646
<i>Ly9</i>	0.016181093	1.850723271	3.755742465	1.905019193
<i>Ly9</i>	0.007231261	1.17031693	3.86730803	2.6969911
<i>Lypd6b</i>	0.008512428	-1.952291243	2.34452061	4.296811854
<i>Lypd6b</i>	0.001591648	-1.451601304	2.977700875	4.429302179
<i>Lypd6b</i>	0.007129406	-1.263139235	2.840475704	4.103614939
<i>Lypd6b</i>	0.019552574	-1.139506989	2.980078106	4.119585095
<i>Lypd6b</i>	0.006096775	-1.292680628	2.949764863	4.242445491
<i>Lypd6b</i>	0.000179622	-1.362075899	2.817788213	4.179864112
<i>Lypd6b</i>	0.000561448	-1.227023458	3.148537049	4.375560507
<i>Lypd6b</i>	0.000880417	-1.069820427	2.882281682	3.952102109
<i>Lypd6b</i>	0.004487696	-1.951043619	2.225113793	4.176157413
<i>Lypd6b</i>	0.001386621	-1.473303207	2.734272094	4.207575301
<i>Lysmd2</i>	7.53E-06	1.032402068	7.193438608	6.161036541
<i>M1ap</i>	0.000231415	1.097576091	6.113760038	5.016183947
<i>Mafb</i>	2.53E-05	1.192674874	6.144124539	4.951449665
<i>Mag</i>	0.001588256	1.001432367	6.305485658	5.304053291
<i>Man2a2</i>	0.000937881	1.134806782	6.726414698	5.591607916
<i>Man2a2</i>	0.000229173	1.111349731	6.848990059	5.737640328
<i>Manf</i>	0.02568787	1.339255275	6.906413164	5.56715789
<i>Map4k4</i>	0.000112484	1.142144183	6.16051219	5.018368007
<i>Map4k4</i>	0.001573588	1.024724796	6.096911587	5.072186791
<i>Map7d2</i>	0.001769842	1.172897356	5.452172681	4.279275325
<i>Mapk15</i>	0.002901328	-1.362533922	3.178466987	4.541000909
<i>Mapkap1</i>	1.21E-06	-1.220169241	4.256791644	5.476960885
<i>Mapkapk3</i>	0.00105085	1.820721778	4.713830357	2.893108579
<i>Mapkapk3</i>	0.001207952	2.203104522	4.634265745	2.431161223
<i>Mapkapk3</i>	0.00178091	1.943806407	4.766465054	2.822658647
<i>Mapkapk3</i>	0.000179053	1.429467895	4.609691746	3.180223851
<i>Mapkapk3</i>	0.000255895	1.646721547	4.644535641	2.997814094
<i>Mapt</i>	0.003553884	1.072355448	9.788138482	8.715783035
<i>March1</i>	0.00063224	2.090150493	4.800732497	2.710582003
<i>March1</i>	0.000352739	1.274388391	4.618783687	3.344395296
<i>March1</i>	0.000633952	2.484959218	4.749088254	2.264129037
<i>March1</i>	0.000246074	1.901947542	4.675571114	2.773623573
<i>March1</i>	0.00807941	1.140961696	4.351546505	3.210584809
<i>March1</i>	0.001405128	1.594213199	4.665806723	3.071593524
<i>March1</i>	0.007267339	1.942598238	4.489171827	2.54657359
<i>March1</i>	2.29E-06	2.098104067	4.739377459	2.641273392

<i>March1</i>	0.001111135	1.847811315	4.644307679	2.796496364
<i>March1</i>	0.000257165	1.744241791	4.536124167	2.791882376
<i>March1</i>	0.000401501	2.079735297	4.71205542	2.632320123
<i>March3</i>	0.000100311	-1.040091999	3.796791435	4.836883434
<i>Marcks11</i>	6.33E-06	1.609585951	10.03514028	8.425554324
<i>Marcks11</i>	3.72E-05	1.416565728	9.928424668	8.511858941
<i>Mcemp1</i>	0.00569552	1.303374118	3.877576349	2.574202231
<i>Mcm3</i>	0.001579533	1.729298787	3.494764826	1.765466039
<i>Mcm6</i>	6.94E-05	1.001872701	6.842387076	5.840514375
<i>Mcpt4</i>	0.000176268	1.011606545	8.144871134	7.133264589
<i>Mctp1</i>	0.003953166	1.267655622	4.599546553	3.331890931
<i>Mctp1</i>	0.002082133	1.365490651	4.303407914	2.937917263
<i>Mctp1</i>	0.000330634	1.364361123	4.26004083	2.895679707
<i>Mctp1</i>	0.001223501	1.502319655	4.354062322	2.851742667
<i>Mctp1</i>	0.035158816	1.587020518	4.216274466	2.629253948
<i>Mctp1</i>	0.001039668	1.145328272	4.234701088	3.089372816
<i>Mctp1</i>	0.01410088	1.440329216	4.064495417	2.624166201
<i>Mctp1</i>	0.003998119	1.105335204	4.266888381	3.161553177
<i>Mctp1</i>	0.000752002	1.23347594	4.180933179	2.947457239
<i>Mecom</i>	0.021742059	1.476885451	3.954743835	2.477858384
<i>Mecom</i>	0.029163455	1.192546679	4.359145617	3.166598938
<i>Mecom</i>	0.010359788	1.693494419	3.897781506	2.204287087
<i>Megf6</i>	0.029460786	-1.148306066	3.625571763	4.773877829
<i>Megf6</i>	0.012425318	-1.054525578	3.848681057	4.903206635
<i>Meig1</i>	3.53E-06	-2.255170314	3.946929432	6.202099746
<i>Meig1</i>	8.71E-05	-2.434763996	3.774918605	6.2096826
<i>Metrn</i>	0.000728499	-1.67981117	3.766831868	5.446643039
<i>Mfap2</i>	2.15E-06	1.297732926	6.683391476	5.38565855
<i>Mfap2</i>	1.61E-05	1.228883401	6.483603074	5.254719672
<i>Mfap2</i>	0.000538668	1.636691419	6.793922712	5.157231292
<i>Mfap2</i>	0.000218015	1.140770427	6.559053385	5.418282959
<i>Mfap2</i>	0.000449722	1.287320017	6.576313786	5.288993769
<i>Mfge8</i>	1.04E-06	1.230489902	9.301560476	8.071070574
<i>Mfge8</i>	1.80E-05	1.225902827	9.110201443	7.884298616
<i>Mgst2</i>	0.005505925	-1.043806349	5.420478289	6.464284638
<i>Mia2</i>	0.010206834	1.057674893	3.754976755	2.697301863
<i>Mid1</i>	3.37E-06	1.045980266	9.732865023	8.686884756
<i>Miip</i>	5.12E-07	1.662290977	9.844444778	8.182153801
<i>Miip</i>	6.21E-06	1.218135865	9.931513386	8.713377521
<i>Miip</i>	2.77E-05	1.090368543	9.985354878	8.894986335
<i>Misp</i>	0.002807873	1.133348647	3.705285737	2.57193709
<i>Misp</i>	0.014307798	1.205734195	3.409538117	2.203803922
<i>Mixl1</i>	0.042474677	-1.131818087	2.163053928	3.294872016
<i>Mki67</i>	8.14E-05	1.796669751	7.081541654	5.284871903
<i>Mki67</i>	3.91E-06	1.712680937	6.917249469	5.204568533
<i>Mki67</i>	0.000152104	1.527666781	6.867458364	5.339791583

<i>Mki67</i>	0.000234269	1.694620166	6.684609065	4.989988898
<i>Mlxipl</i>	0.000161317	1.094827396	5.584567232	4.489739836
<i>Mmp12</i>	0.003986382	4.185478643	7.954849165	3.769370522
<i>Mmp12</i>	0.0030485	4.771158874	7.811340646	3.040181772
<i>Mmp12</i>	0.006353976	4.009805587	7.815121381	3.805315794
<i>Mmp12</i>	0.0056893	4.949297293	7.906347885	2.957050593
<i>Mmp14</i>	2.99E-05	1.063045916	7.531977936	6.46893202
<i>Mmp2</i>	0.000153268	1.420528341	8.41416778	6.993639439
<i>Mmp7</i>	2.44E-08	1.84808165	13.62707502	11.77899337
<i>Mmp7</i>	6.61E-07	1.582570774	13.26567144	11.68310066
<i>Mnda</i>	0.000230614	1.15501295	9.326163182	8.171150233
<i>Mndal</i>	0.000339404	2.17206535	4.671974381	2.499909031
<i>Mpeg1</i>	1.04E-06	2.586083281	7.457747679	4.871664397
<i>Mpeg1</i>	4.66E-06	2.553997004	7.244492963	4.690495959
<i>Mpped1</i>	0.001728782	-1.259123168	5.821721029	7.080844197
<i>Mpzl2</i>	7.66E-06	2.44783477	7.318144788	4.870310019
<i>Mpzl2</i>	4.94E-07	2.345577546	7.544182009	5.198604463
<i>Mpzl2</i>	1.87E-05	2.304069443	7.369625525	5.065556082
<i>Mrap2</i>	0.000200152	-1.207511965	6.662879833	7.870391798
<i>Mrap2</i>	0.001514133	-1.076077293	6.725578598	7.801655891
<i>Mrc2</i>	0.000231646	1.161240261	7.442395784	6.281155523
<i>Mrgpra1</i>	0.03792755	-1.504947517	2.422198519	3.927146037
<i>Mro</i>	0.008073518	-1.266916766	2.537540767	3.804457533
<i>Mroh4</i>	0.027456937	-1.007828417	3.019635386	4.027463803
<i>Ms4a4a</i>	0.00020163	2.453975353	5.405675323	2.951699969
<i>Ms4a4b</i>	0.00095768	2.441863331	5.12414709	2.682283759
<i>Ms4a5</i>	0.013143188	-1.14329205	2.105344615	3.248636665
<i>Ms4a6b</i>	1.40E-05	2.009352189	6.003358458	3.994006269
<i>Ms4a6c</i>	2.02E-05	2.587277354	6.503519562	3.916242208
<i>Ms4a6c</i>	3.43E-06	1.858682526	6.287071311	4.428388784
<i>Ms4a6c</i>	3.16E-06	2.285040928	6.69346855	4.408427622
<i>Ms4a6d</i>	2.44E-05	2.078624581	6.670965021	4.59234044
<i>Msh5</i>	0.001927036	-2.013620085	1.798902632	3.812522717
<i>Msln</i>	7.72E-07	1.645094397	9.631903452	7.986809054
<i>Msln</i>	2.56E-06	1.65899857	9.632791518	7.973792948
<i>Msln</i>	9.91E-07	1.639958295	9.615393335	7.97543504
<i>Msn</i>	2.89E-07	1.030683845	8.637226037	7.606542193
<i>Msr1</i>	0.002687883	1.286310621	4.650528709	3.364218088
<i>Msr1</i>	0.014081278	1.772840383	4.496097262	2.723256878
<i>Msr1</i>	3.48E-05	2.36151252	4.634183149	2.272670629
<i>Mthfd1l</i>	2.11E-06	1.47282032	8.215466113	6.742645792
<i>Mtl5</i>	0.025520867	1.319818796	4.089586043	2.769767247
<i>Mto1</i>	0.004766635	1.081063973	6.913783636	5.832719663
<i>Mto1</i>	2.84E-05	1.776066497	6.774531707	4.998465211
<i>Mtpap</i>	0.000168133	1.004663988	6.607469184	5.602805197
<i>Muc1</i>	3.05E-05	1.99538495	6.023811958	4.028427008

<i>Muc16</i>	0.007482856	1.175016544	4.464293636	3.289277092
<i>Muc3</i>	0.021019163	1.195103209	4.15629653	2.961193321
<i>Mum111</i>	0.004378461	1.221888602	4.477323455	3.255434853
<i>Mum111</i>	0.020822028	1.246490714	4.538984813	3.292494098
<i>Mup21</i>	0.006199961	-1.015968449	2.695209336	3.711177785
<i>Mvb12b</i>	0.000305628	-1.077121602	6.226427748	7.30354935
<i>Mvb12b</i>	0.0002634	-1.141242317	6.077745538	7.218987856
<i>Mvb12b</i>	0.00068855	-1.206232473	5.939035008	7.145267481
<i>Myb</i>	0.003547755	-2.228087355	9.408337564	11.63642492
<i>Myb</i>	0.029188195	-1.797785134	9.855186626	11.65297176
<i>Myh10</i>	5.23E-08	-1.453474743	6.524202281	7.977677024
<i>Myh10</i>	5.39E-06	-1.376032724	6.547786569	7.923819293
<i>Myh10</i>	1.26E-07	-1.389464608	6.548439231	7.93790384
<i>Myh10</i>	6.23E-06	-1.277076788	6.678663405	7.955740193
<i>Myh7</i>	8.95E-07	-2.315931192	5.323034496	7.638965688
<i>Myh7</i>	2.40E-07	-2.051734497	5.583301882	7.635036379
<i>Myh7</i>	1.33E-07	-2.259764219	5.265025096	7.524789315
<i>Myh7b</i>	0.011385963	-1.835554312	4.411082812	6.246637123
<i>Myh7b</i>	6.58E-07	1.198456294	6.82907205	5.630615756
<i>Myo15</i>	0.000209256	-1.448820996	4.337170242	5.785991237
<i>Myo15</i>	1.32E-05	-1.676142332	4.172840719	5.848983051
<i>Myo19</i>	9.57E-07	1.112979492	8.780866871	7.667887379
<i>Myo1b</i>	0.046953921	1.429467327	5.615837108	4.18636978
<i>Myo1b</i>	0.030836729	1.594317153	5.865121572	4.27080442
<i>Myo1b</i>	0.035397251	1.432306835	5.632903881	4.200597046
<i>Myo1b</i>	0.04318128	1.384007874	5.693718472	4.309710598
<i>Myo1f</i>	1.50E-05	1.761261625	5.185773144	3.424511519
<i>Myo1g</i>	7.47E-05	1.324726116	5.532504099	4.207777983
<i>Myo1g</i>	3.17E-05	1.971593569	5.267067731	3.295474161
<i>Myo1g</i>	0.000497859	1.676501401	5.279593885	3.603092484
<i>Myod1</i>	0.000575929	1.283199561	7.175512548	5.892312987
<i>Myof</i>	6.30E-06	1.447573253	7.301313086	5.853739832
<i>Myof</i>	8.42E-06	1.157303046	7.137211431	5.979908385
<i>Myof</i>	3.78E-06	1.387045516	7.021911401	5.634865886
<i>Myof</i>	1.75E-05	1.243861312	7.077734389	5.833873077
<i>Myrf</i>	0.02864426	1.630581637	3.632805979	2.002224342
<i>Myt11</i>	0.008668872	-1.434152394	3.009722035	4.443874429
<i>Mzb1</i>	0.001061341	1.167225654	5.179266689	4.012041035
<i>N4bp1</i>	0.020811866	-1.604193634	2.504721076	4.10891471
<i>Nav1</i>	1.09E-07	1.102295739	7.587459742	6.485164004
<i>Nav3</i>	0.016159728	1.076919491	3.588236446	2.511316954
<i>Ncapd2</i>	0.000127019	1.123378568	4.246927459	3.123548891
<i>Ncapg</i>	0.00041442	1.595793222	3.871118115	2.275324893
<i>Ncaph</i>	0.000251255	1.299756541	5.732647519	4.432890978
<i>Ncf1</i>	1.11E-05	1.650658336	6.756382992	5.105724656
<i>Ncf1</i>	6.85E-07	1.660783619	6.583555257	4.922771638

<i>Ncf2</i>	0.000714728	1.248288046	4.847222348	3.598934302
<i>Ncf4</i>	7.11E-06	1.289355792	7.749865247	6.460509456
<i>Ncf4</i>	6.63E-06	1.252513791	7.770255301	6.51774151
<i>Ncf4</i>	7.93E-06	1.571931238	7.97993101	6.407999772
<i>Ncf4</i>	0.000749769	1.038312092	6.418709415	5.380397323
<i>Nckap1l</i>	0.000626384	1.275102035	5.897443723	4.622341688
<i>Nckap1l</i>	0.000284125	1.774789223	6.013802197	4.239012974
<i>Ndufaf6</i>	0.010467253	-1.010852809	5.646774181	6.65762699
<i>Ndufaf7</i>	0.002213996	-1.996690093	1.778377007	3.775067101
<i>Ndufs7</i>	0.011737327	-1.444972661	3.362889518	4.807862179
<i>Neb</i>	0.019097776	1.48683107	4.247296968	2.760465897
<i>Neb</i>	0.012709362	1.012977629	4.077905072	3.064927443
<i>Neb</i>	0.021435339	1.014432915	3.892912063	2.878479149
<i>Nebi</i>	0.012479361	2.607440118	5.693241479	3.085801361
<i>Nebi</i>	0.006546665	1.711341113	5.067327527	3.355986414
<i>Nebi</i>	3.54E-05	1.755637386	5.191102954	3.435465568
<i>Nedd9</i>	0.001500602	1.178303346	4.212192627	3.033889281
<i>Nedd9</i>	0.000626283	1.180736764	4.165148076	2.984411312
<i>Nefh</i>	0.000888001	5.667948244	7.685794266	2.017846021
<i>Neil3</i>	0.021239987	1.285950725	3.469507109	2.183556384
<i>Nek11</i>	0.044041768	-1.083755608	2.472748701	3.556504309
<i>Nek2</i>	0.037001588	1.171139524	4.301404155	3.130264631
<i>Nek2</i>	0.013708616	1.106641466	4.287121266	3.1804798
<i>Nek2</i>	0.008699924	1.795271765	4.565103489	2.769831723
<i>Nek6</i>	0.000110362	1.12621157	6.533353763	5.407142193
<i>Net1</i>	0.000324139	1.071877895	10.2078688	9.135990908
<i>Net1</i>	0.000203339	1.181478211	10.27968155	9.098203336
<i>Neu1</i>	0.00762604	-1.266014681	2.291566917	3.557581598
<i>Neu1</i>	0.006055371	-1.925803144	1.888941293	3.814744436
<i>Neu1</i>	0.014794519	-1.171185855	2.294897234	3.466083088
<i>Neu2</i>	0.001751258	-1.030419826	5.127078997	6.157498823
<i>Neu2</i>	0.002121427	-1.058231878	5.101166601	6.159398479
<i>Neurl3</i>	2.09E-06	2.567265927	6.418690758	3.851424831
<i>Neurod4</i>	0.007391653	-1.016157279	4.387215366	5.403372645
<i>Nfam1</i>	0.004585383	1.141794785	4.171561226	3.029766441
<i>Nfam1</i>	0.02152521	1.390082113	4.072298503	2.682216389
<i>Nfam1</i>	9.19E-06	2.029538736	4.219498287	2.189959551
<i>Nfam1</i>	3.12E-05	1.917203139	3.971603683	2.054400544
<i>Nfam1</i>	0.021116763	1.595765844	4.197492229	2.601726384
<i>Nfatc2</i>	0.000185369	-1.157111347	4.948134069	6.105245416
<i>Nfkbib</i>	0.005387024	-1.157014578	2.796709829	3.953724407
<i>Nfkbid</i>	0.000109406	2.189594349	3.781563036	1.591968687
<i>Nfkbid</i>	0.000636242	2.001747281	3.885683601	1.88393632
<i>Nfkbid</i>	0.000626827	2.433478413	3.616076909	1.182598496
<i>Nfkbiz</i>	0.000182735	1.04287227	7.19163896	6.148766691
<i>Nid2</i>	0.00019328	1.011053036	4.978248492	3.967195456

<i>Nipa14</i>	6.79E-05	1.662465687	3.516950448	1.854484761
<i>Nkx2-6</i>	0.000358753	-1.002572306	4.198032919	5.200605225
<i>Nlrc5</i>	0.000365351	2.231101305	5.181289172	2.950187866
<i>Nlrc5</i>	0.000280189	1.832508864	5.262650834	3.430141969
<i>Nlrc5</i>	6.04E-05	2.509307903	5.460885783	2.95157788
<i>Nlrc5</i>	0.000185373	1.715906439	5.005136719	3.28923028
<i>Nlrc5</i>	0.000774311	1.7644491	5.282357102	3.517908002
<i>Nlrc5</i>	0.000337404	2.197280072	5.221751155	3.024471084
<i>Nlrp10</i>	2.13E-05	1.608086728	8.76574862	7.157661892
<i>Nlrp1a</i>	4.17E-05	1.140481395	6.236633191	5.096151797
<i>Nlrp4e</i>	0.002476507	-1.324267048	3.381486742	4.70575379
<i>Nos1ap</i>	0.002775456	-1.171141569	4.685854422	5.856995992
<i>Nos2</i>	9.35E-08	5.389259551	6.378949469	0.989689918
<i>Nos2</i>	1.81E-07	5.164343548	6.526123313	1.361779765
<i>Nos2</i>	5.81E-07	5.340683258	6.422447725	1.081764467
<i>Nos2</i>	2.56E-08	5.251692729	6.441950756	1.190258027
<i>Nova1</i>	0.006476433	1.492053817	6.351985443	4.859931627
<i>Nova1</i>	0.001700468	1.315401605	7.687319139	6.371917534
<i>Npnt</i>	0.006869023	1.363955027	4.954469645	3.590514619
<i>Npnt</i>	0.001959053	1.160404514	4.987264599	3.826860085
<i>Npnt</i>	0.01052019	1.028014171	4.814986492	3.78697232
<i>Npnt</i>	0.000686723	1.497408629	4.92606094	3.428652311
<i>Npsr1</i>	0.009082989	1.649195877	3.348060444	1.698864567
<i>Npsr1</i>	0.027789439	1.167570697	3.539267061	2.371696364
<i>Npy</i>	0.001173316	1.86435049	7.612460187	5.748109697
<i>Npy2r</i>	0.036123173	-1.478810518	1.983553013	3.462363532
<i>Nr2f1</i>	3.42E-06	1.611020204	8.898347423	7.28732722
<i>Nr4a3</i>	0.00825129	1.37180942	6.967058066	5.595248646
<i>Nr4a3</i>	0.00080707	3.435581428	5.195981492	1.760400064
<i>Nr4a3</i>	0.000572173	3.532990323	5.219311539	1.686321217
<i>Nr4a3</i>	0.006128236	2.539866378	5.238021183	2.698154805
<i>Nr4a3</i>	0.00127439	3.075451494	5.037419046	1.961967552
<i>Nrgn</i>	0.001613935	1.713153371	3.718170676	2.005017305
<i>Nrros</i>	0.00015482	1.115400715	5.518061845	4.40266113
<i>Nrros</i>	9.75E-08	1.212877115	5.903368147	4.690491032
<i>Nrros</i>	0.000858727	1.463834402	5.639508912	4.17567451
<i>Nrros</i>	1.77E-06	1.188412281	5.635291421	4.44687914
<i>Nrros</i>	9.20E-06	1.121511602	5.851710241	4.730198639
<i>Nrxn3</i>	0.000237242	1.341210898	5.84390525	4.502694352
<i>Nrxn3</i>	6.40E-06	1.403495248	5.911675795	4.508180547
<i>Nrxn3</i>	0.000179717	1.690463644	6.064305889	4.373842245
<i>Nrxn3</i>	0.00014157	1.212382128	6.091850212	4.879468084
<i>Nsun7</i>	0.021491053	1.254865634	4.806287243	3.551421609
<i>Nsun7</i>	0.02500362	1.354748708	4.723878908	3.3691302
<i>Nt5dc2</i>	0.005394569	1.574676071	3.795716405	2.221040334
<i>Ntng1</i>	0.005232955	1.057685361	4.206792507	3.149107146

<i>Nucb2</i>	0.000312461	1.481478983	5.204335088	3.722856104
<i>Nucb2</i>	5.14E-06	1.664667291	5.016349182	3.351681892
<i>Nuf2</i>	0.003810832	1.430425123	4.200486414	2.770061291
<i>Nuf2</i>	0.001120209	2.23436007	4.137900149	1.903540079
<i>Nupl2</i>	2.82E-06	-1.049102902	6.713557839	7.762660741
<i>Nupr1</i>	0.000433169	1.519017912	7.906075262	6.38705735
<i>Nusap1</i>	0.00044317	1.369788404	5.339887879	3.970099475
<i>Nxph2</i>	0.003495444	1.296159284	8.738713539	7.442554255
<i>Nxph2</i>	0.00622974	1.186514631	8.752893002	7.566378371
<i>Nyx</i>	0.017746726	-1.495605482	1.884895143	3.380500624
<i>Nyx</i>	3.28E-05	-1.179848329	5.712150447	6.891998776
<i>Oas2</i>	0.00018962	1.283825913	8.770305089	7.486479176
<i>Oas2</i>	0.000155122	1.247561591	8.726656218	7.479094627
<i>Oasl1</i>	0.002011368	1.301369467	5.55132746	4.249957993
<i>Oasl1</i>	0.000232277	1.45634822	5.397754534	3.941406314
<i>Oaz3</i>	1.88E-05	-1.429529849	3.942107796	5.371637645
<i>Odf4</i>	0.000552074	-1.634524464	2.223445086	3.85796955
<i>Odf4</i>	0.002106283	-1.37392052	2.691546828	4.065467348
<i>Olfm4</i>	1.76E-05	2.897871232	10.58093583	7.683064598
<i>Olfm4</i>	1.49E-05	2.759127315	10.47465332	7.715526007
<i>Olf1097</i>	0.000106084	1.073073955	7.479640532	6.406566578
<i>Olf1176</i>	7.32E-05	-1.06111871	4.192786045	5.253904755
<i>Olf1218</i>	6.33E-06	-1.037014788	3.988304734	5.025319523
<i>Olf1238</i>	0.000680359	1.274876936	4.297867697	3.02299076
<i>Olf124</i>	0.005470141	-1.072707212	3.195139972	4.267847184
<i>Olf1241</i>	0.010979179	-1.246045005	2.484698108	3.730743113
<i>Olf1264</i>	0.001785807	-1.699118743	2.404889149	4.104007893
<i>Olf131</i>	0.018852999	1.112927561	3.891687625	2.778760064
<i>Olf136</i>	0.009530685	1.749591217	3.594326609	1.844735393
<i>Olf1361</i>	7.80E-05	-1.001146404	8.440451803	9.441598207
<i>Olf1361</i>	0.000140754	-1.02991131	8.502505634	9.532416944
<i>Olf1396</i>	0.013593053	1.03607264	4.474951683	3.438879043
<i>Olf1500</i>	0.014866114	-1.25739986	2.722430527	3.979830387
<i>Olf224</i>	0.023023957	-1.226285381	2.530800622	3.757086003
<i>Olf286</i>	5.32E-07	-1.483126846	3.504488121	4.987614967
<i>Olf295</i>	3.02E-05	-1.339883924	5.31689938	6.656783304
<i>Olf295</i>	0.000351043	-1.788149651	5.059958381	6.848108032
<i>Olf338</i>	0.000410227	-1.369579788	4.201578753	5.571158541
<i>Olf392</i>	0.044319933	-1.135690792	1.917558044	3.053248836
<i>Olf393</i>	0.005364732	-1.03436529	4.095365689	5.129730979
<i>Olf394</i>	0.011644738	-1.480862932	2.175595694	3.656458626
<i>Olf418</i>	0.003051698	-1.877764307	1.574213342	3.451977649
<i>Olf472</i>	0.000638357	-1.048851016	4.427908235	5.476759251
<i>Olf494</i>	3.05E-06	-1.087477525	4.364859194	5.452336719
<i>Olf510</i>	0.002777544	1.266758498	6.494888177	5.228129679
<i>Olf510</i>	0.007324515	1.006832056	6.264556936	5.25772488

<i>Olfr556</i>	0.006913704	-1.003638518	2.636846218	3.640484736
<i>Olfr711</i>	1.70E-05	1.188788728	11.40706831	10.21827958
<i>Olfr828</i>	6.52E-06	1.169371192	7.964448294	6.795077102
<i>Olfr887</i>	3.90E-07	-1.562263023	6.784433352	8.346696375
<i>Olfr93</i>	0.017548295	-1.973232816	2.257468187	4.230701003
<i>Olfr965</i>	0.030594699	-1.350153384	1.961968077	3.312121461
<i>Oma1</i>	0.001009283	-1.003824623	3.172214188	4.176038811
<i>Oprm1</i>	0.015007547	-1.082612227	2.50044039	3.583052618
<i>Oprm1</i>	0.041787106	-1.477787176	2.235805427	3.713592603
<i>Oprm1</i>	0.030528523	-1.06813493	2.388109917	3.456244847
<i>Optc</i>	0.001927894	1.033863543	3.220447631	2.186584088
<i>Osmr</i>	5.69E-05	1.368583267	7.06677595	5.698192683
<i>Osmr</i>	3.09E-05	1.320552863	7.176055508	5.855502645
<i>Osmr</i>	6.30E-06	1.443674655	7.051099752	5.607425097
<i>Osmr</i>	4.83E-06	1.347643735	7.03142118	5.683777444
<i>Osmr</i>	5.79E-06	1.667224495	7.347111544	5.679887049
<i>Otogl</i>	2.12E-05	1.394797613	6.427599321	5.032801708
<i>Otx2</i>	0.048842851	1.15932247	3.970941686	2.811619216
<i>Oxsm</i>	0.025576123	1.427284085	3.699112738	2.271828654
<i>Oxtr</i>	0.021643827	1.358434935	4.070953515	2.71251858
<i>Oxtr</i>	0.033458277	1.373443	4.155159693	2.781716693
<i>P2rx5</i>	2.69E-06	1.103047978	9.224262069	8.121214091
<i>P2ry14</i>	0.000117647	1.345162535	6.983774359	5.638611825
<i>P2ry14</i>	0.000114776	1.735917374	6.185356708	4.449439335
<i>P2ry14</i>	0.005564946	1.5097755	6.931352519	5.421577019
<i>P2ry14</i>	0.001565977	1.633143244	6.947170536	5.314027292
<i>P2ry14</i>	0.002491208	1.737050041	6.89384474	5.156794699
<i>P2ry14</i>	0.004228128	1.261581166	6.692134673	5.430553506
<i>Padi4</i>	0.029252693	1.109668607	3.699568196	2.58989959
<i>Pak3</i>	0.015708327	1.595307708	3.628477352	2.033169644
<i>Papd7</i>	3.16E-06	1.500148573	8.243732247	6.743583675
<i>Paqr5</i>	6.01E-06	-1.30141083	5.197708481	6.499119311
<i>Paqr5</i>	6.81E-06	-1.258588682	5.217019399	6.475608082
<i>Paqr5</i>	6.30E-07	-1.202720374	5.278584935	6.481305308
<i>Paqr5</i>	2.65E-05	-1.350612331	5.115867834	6.466480165
<i>Parp14</i>	2.77E-05	1.191666957	6.673792906	5.482125949
<i>Parp14</i>	0.000224621	1.182633443	6.61269472	5.430061277
<i>Parvg</i>	0.000281738	1.539657649	4.862629132	3.322971483
<i>Parvg</i>	5.47E-05	1.345148999	4.841695572	3.496546573
<i>Parvg</i>	0.000457477	1.278964389	4.959565543	3.680601155
<i>Pask</i>	0.001439443	1.154740687	4.192414661	3.037673975
<i>Pask</i>	0.017359867	1.119324543	4.416481667	3.297157124
<i>Pate4</i>	0.000241352	6.102382766	12.43996746	6.337584698
<i>Pax9</i>	0.001802709	-1.278738139	3.16642633	4.44516447
<i>Pbk</i>	8.71E-05	1.686642453	4.704673406	3.018030954
<i>Pbk</i>	0.00012044	1.319791295	4.683203252	3.363411957

<i>Pbx4</i>	1.82E-05	-1.460086653	4.581475467	6.04156212
<i>Pbx4</i>	1.04E-05	-1.47785816	4.487034134	5.964892294
<i>Pbx4</i>	0.000274857	-1.430226384	4.628953878	6.059180262
<i>Pbx4</i>	0.000342516	-1.255537355	4.624897416	5.880434771
<i>Pcdh11x</i>	0.029632725	-1.158585763	4.080869402	5.239455165
<i>Pcdhb18</i>	0.020494741	1.128104475	3.830409008	2.702304533
<i>Pcdhgc4</i>	0.000224524	-1.023602869	4.211916104	5.235518973
<i>Pcgf2</i>	2.73E-06	1.562334588	11.7752813	10.21294672
<i>Pcsk5</i>	5.47E-05	1.695316036	7.622698147	5.927382111
<i>Pcsk5</i>	9.45E-05	1.42502105	7.189200088	5.764179038
<i>Pcsk5</i>	0.000110888	1.499958426	7.216108885	5.716150459
<i>Pcsk5</i>	0.000417084	1.373758243	7.129264724	5.755506481
<i>Pcsk5</i>	0.000205945	1.22351864	7.088873884	5.865355244
<i>Pcsk5</i>	0.000171563	1.497724731	7.283542859	5.785818128
<i>Pcsk9</i>	0.000309836	-1.186107938	5.892821	7.078928937
<i>Pde9a</i>	0.000215329	-1.041347419	6.091918373	7.133265793
<i>Pde9a</i>	0.002192525	-1.056282002	6.180510895	7.236792897
<i>Pdia2</i>	0.000844197	1.271660037	5.441222386	4.169562349
<i>Pdia2</i>	0.000499606	1.097698964	5.632030953	4.534331989
<i>Pdilt</i>	0.0001817	-1.251642858	3.73249355	4.984136409
<i>Pfkfb3</i>	0.015028724	2.089110097	5.508825855	3.419715759
<i>Pgm2l1</i>	6.86E-07	-3.426203561	2.034749852	5.460953413
<i>Phf19</i>	0.001367016	-1.028196269	6.154148884	7.182345153
<i>Phf19</i>	0.000523543	-1.02302259	6.058763683	7.081786273
<i>Phlda1</i>	0.000108754	1.561931972	8.973672411	7.41174044
<i>Piga</i>	0.004718063	1.116255192	6.502362577	5.386107385
<i>Pigr</i>	3.45E-08	4.466879488	8.959985061	4.493105573
<i>Pik3c2g</i>	0.001121665	1.59813993	4.497369141	2.899229211
<i>Pik3r5</i>	0.000199704	1.552190769	5.869159486	4.316968717
<i>Pik3r5</i>	2.18E-05	1.555965266	5.923502992	4.367537726
<i>Pip4k2a</i>	9.94E-06	1.069495694	6.453754938	5.384259244
<i>Pip4k2a</i>	6.55E-05	1.075613488	6.522300485	5.446686997
<i>Pip4k2a</i>	9.30E-05	1.156155247	6.500684979	5.344529732
<i>Pira1</i>	5.71E-05	1.630157024	7.595308879	5.965151855
<i>Pitx2</i>	0.012588358	-1.704398785	2.911694978	4.616093764
<i>Pkd1l2</i>	6.20E-05	-1.070905728	5.37801897	6.448924698
<i>Pkhd11l</i>	0.006071571	1.061114882	4.314383914	3.253269032
<i>Pla2g12a</i>	0.000283377	-1.044591726	6.830367606	7.874959331
<i>Pla2g12a</i>	4.71E-05	-1.121755872	6.842407812	7.964163683
<i>Pla2g12a</i>	2.63E-05	-1.169688884	6.744561378	7.914250263
<i>Pla2g4f</i>	0.000132845	1.433822804	6.981047194	5.54722439
<i>Pla2g5</i>	0.002780343	1.690088568	4.850739667	3.1606511
<i>Pla2g7</i>	0.000227073	1.34814565	7.448977748	6.100832098
<i>Pla2g7</i>	0.00010322	1.517412429	7.605851055	6.088438625
<i>Pla2g7</i>	2.14E-05	1.566517444	7.778034789	6.211517345
<i>Plat</i>	1.43E-07	1.274763595	6.840259328	5.565495733

<i>Plau</i>	0.010828151	2.334236934	8.449427598	6.115190665
<i>Plau</i>	0.009474834	2.388969191	8.465659641	6.07669045
<i>Plb1</i>	0.000785361	1.167156066	4.038302479	2.871146413
<i>Plbd1</i>	1.84E-05	1.626510929	7.752999308	6.126488379
<i>Plbd1</i>	2.27E-05	1.443830223	6.569643658	5.125813436
<i>Plcb2</i>	0.006674374	1.748813741	3.958973105	2.210159364
<i>Pld4</i>	1.76E-05	1.279991555	8.220744015	6.94075246
<i>Pld4</i>	3.15E-05	1.387448541	8.245428647	6.857980106
<i>Plek</i>	0.000997057	1.311274451	6.43420343	5.122928979
<i>Plekha4</i>	0.003164051	-1.152682954	3.726487342	4.879170296
<i>Plekhd1</i>	0.001073217	-1.048539184	4.158932494	5.207471679
<i>Plekhd1</i>	0.006010277	-1.05220149	2.808116958	3.860318448
<i>Plekho2</i>	9.18E-07	1.098713513	7.71659701	6.617883496
<i>Plxdc1</i>	0.016579842	1.054743361	3.924881053	2.870137692
<i>Plxnb1</i>	0.000185721	1.35001059	5.216445055	3.866434465
<i>Plxnc1</i>	0.000558224	2.602966662	4.098557131	1.495590468
<i>Plxnc1</i>	0.000381755	2.182625364	3.852034579	1.669409214
<i>Plxnd1</i>	1.70E-05	1.034682502	8.577083396	7.542400894
<i>Plxnd1</i>	4.30E-06	1.150483492	8.747117915	7.596634424
<i>Pmaip1</i>	7.57E-05	3.005737244	4.295544304	1.28980706
<i>Pnpla3</i>	1.20E-06	-1.85778443	9.849358262	11.70714269
<i>Pnpla3</i>	1.27E-06	-1.855255431	9.89813297	11.7533884
<i>Pnpla3</i>	1.67E-06	-1.949618303	9.826102742	11.77572104
<i>Pnpla3</i>	3.70E-06	-1.756160308	9.988666219	11.74482653
<i>Pole</i>	0.009418562	1.434187186	5.013638957	3.579451771
<i>Pon1</i>	0.021636551	-1.031851951	3.000262124	4.032114076
<i>Postn</i>	2.70E-05	1.0493878	8.405624467	7.356236668
<i>Postn</i>	9.06E-06	1.023421774	8.336704153	7.31328238
<i>Postn</i>	3.25E-05	1.15908817	8.535133197	7.376045027
<i>Postn</i>	2.40E-06	1.099812069	8.422269994	7.322457925
<i>Postn</i>	2.72E-05	1.015447338	8.320253218	7.30480588
<i>Pou2f2</i>	0.004931373	1.263309301	4.67265875	3.409349449
<i>Pou2f2</i>	0.005382862	1.022623319	4.521906262	3.499282943
<i>Pou2f2</i>	0.0262141	1.305850976	4.623815074	3.317964098
<i>Pou2f2</i>	0.005277034	1.284167877	4.350056124	3.065888247
<i>Pou2f2</i>	0.005731731	1.161522418	4.329801746	3.168279327
<i>Pou2f2</i>	0.014189844	1.001362429	4.448702963	3.447340534
<i>Pou2f2</i>	0.000526436	1.469873293	4.759658786	3.289785493
<i>Pou2f2</i>	0.006750836	1.487562259	4.707661112	3.220098853
<i>Pou2f2</i>	0.000447485	1.136365812	4.586486415	3.450120603
<i>Pou2f2</i>	0.002374913	1.358885366	4.543036755	3.18415139
<i>Pou2f2</i>	0.039725938	1.003458431	4.348199298	3.344740867
<i>Pou2f2</i>	0.009555684	1.044714499	4.582523253	3.537808754
<i>Pou2f2</i>	0.037042652	1.185073572	4.623467083	3.438393511
<i>Pou2f2</i>	0.003346762	1.056908276	4.708037466	3.65112919
<i>Pou2f2</i>	0.003930668	1.016614398	4.571077988	3.55446359

<i>Pou2f2</i>	0.006521609	1.479906946	4.564897841	3.084990895
<i>Pou2f2</i>	0.002292859	1.111142717	4.543678685	3.432535968
<i>Ppef1</i>	0.006117038	-1.28322651	2.165161343	3.448387852
<i>Ppfia4</i>	0.006997987	1.12759141	4.332668326	3.205076916
<i>Ppfia4</i>	0.006257226	1.00255372	4.472409058	3.469855338
<i>Ppp1r14c</i>	0.010063406	-1.000076055	2.982326706	3.982402761
<i>Ppp1r18</i>	1.53E-05	1.399910631	7.016665394	5.616754763
<i>Ppp1r18</i>	6.99E-07	1.266892037	6.958155777	5.691263741
<i>Ppp1r18</i>	1.29E-05	1.230507017	7.004531103	5.774024086
<i>Ppp1r18</i>	4.00E-06	1.209232761	6.828374945	5.619142184
<i>Ppp1r18</i>	0.001024306	1.065539155	6.619261669	5.553722514
<i>Ppp1r18</i>	1.63E-05	1.158317339	6.766104198	5.607786859
<i>Ppp1r18</i>	2.83E-05	1.173673367	6.871171302	5.697497936
<i>Ppp2r2d</i>	0.000839959	-1.001151261	4.754438929	5.755590189
<i>Prc1</i>	0.001214091	1.440533567	4.273850717	2.83331715
<i>Prc1</i>	0.00390242	1.02782117	4.920783986	3.892962817
<i>Prc1</i>	0.000551674	1.267794247	4.901262386	3.633468139
<i>Prc1</i>	0.000464619	1.102310159	4.899309958	3.796999799
<i>Prc1</i>	0.000704015	1.3757134	4.888001118	3.512287719
<i>Prc1</i>	0.000796411	1.316409961	5.013254594	3.696844633
<i>Prex1</i>	1.34E-05	1.448994023	7.285629519	5.836635497
<i>Prg2</i>	0.000433738	1.62495927	3.14858107	1.5236218
<i>Pros1</i>	0.000414662	1.074093097	6.627790036	5.553696939
<i>Prr18</i>	0.004141068	2.137591373	3.979944346	1.842352973
<i>Prr5l</i>	0.000447915	1.163783404	5.01945175	3.855668345
<i>Prr5l</i>	9.62E-05	1.340976658	4.917460515	3.576483857
<i>Prr5l</i>	0.00015235	1.464090648	5.042044726	3.577954078
<i>Prr5l</i>	0.002106289	1.094451535	4.775362596	3.680911062
<i>Prr5l</i>	0.000377257	1.435925202	4.875273516	3.439348315
<i>Prr5l</i>	0.002798848	1.334443618	5.12276857	3.788324952
<i>Prr5l</i>	0.000905902	1.565172931	5.011872298	3.446699367
<i>Prr5l</i>	0.000800697	1.182020466	4.899394968	3.717374503
<i>Prr5l</i>	0.000135928	1.767292899	5.09625448	3.328961582
<i>Prr9</i>	7.55E-09	4.595895255	6.062941716	1.467046461
<i>Prss37</i>	0.005759456	1.025287103	5.265818824	4.240531721
<i>Prss41</i>	0.000115627	-1.640057441	2.177289255	3.817346696
<i>Prss41</i>	0.003407212	-1.753576416	1.875542242	3.629118658
<i>Prss48</i>	0.002033673	-1.164670668	3.830947905	4.995618574
<i>Prss58</i>	0.009085989	-1.057227756	4.445601044	5.5028288
<i>Psca</i>	4.25E-05	3.243781556	8.742901109	5.499119553
<i>Psemb8</i>	1.16E-05	1.393763461	6.999480262	5.605716801
<i>Psemb8</i>	0.000133563	1.570899102	7.19427699	5.623377888
<i>Psemb8</i>	0.000146241	1.269732058	7.015109878	5.74537782
<i>Psemb8</i>	4.93E-05	1.397647475	7.115270126	5.717622652
<i>Pstpip2</i>	0.000255579	1.016772374	6.324868724	5.30809635
<i>Pstpip2</i>	0.000150689	1.241057632	6.346072229	5.105014597

<i>Ptgs</i>	0.014263188	2.319150075	5.325371984	3.00622191
<i>Ptgs2</i>	0.032343355	3.461252322	6.246894675	2.785642354
<i>Ptp4a3</i>	1.20E-05	-1.082827387	8.460777345	9.543604732
<i>Ptp4a3</i>	2.10E-05	-1.154206814	8.411811085	9.566017899
<i>Ptp4a3</i>	1.33E-05	-1.154152427	8.424205886	9.578358313
<i>Ptpn22</i>	0.003907497	2.04780067	3.769526449	1.721725779
<i>Ptpn22</i>	0.0003122	2.480411843	3.356722943	0.8763111
<i>Ptpn22</i>	0.000234504	-1.010788881	4.000395937	5.011184818
<i>Ptpn22</i>	1.11E-06	2.691288912	3.764525215	1.073236303
<i>Ptpn22</i>	0.00330745	1.93094164	3.920686662	1.989745022
<i>Ptpn22</i>	6.34E-05	2.5813219	3.804243579	1.222921679
<i>Ptpn7</i>	2.93E-05	1.411511692	4.151160804	2.739649113
<i>Ptpn7</i>	0.003484663	1.735649955	4.59519614	2.859546186
<i>Ptpn7</i>	0.000597692	1.609621747	4.318830897	2.70920915
<i>Ptprc</i>	0.000202195	2.326690228	6.299104406	3.972414178
<i>Ptprc</i>	0.001059793	1.805115797	5.936885244	4.131769447
<i>Ptprc</i>	1.71E-06	1.485433401	6.123700082	4.638266681
<i>Ptprc</i>	3.14E-06	1.688586489	6.05830577	4.369719282
<i>Ptprc</i>	1.98E-06	1.987495499	6.294674155	4.307178656
<i>Ptprc</i>	4.95E-06	1.757250253	6.222203749	4.464953497
<i>Ptprc</i>	2.07E-05	1.957669911	6.228687494	4.271017583
<i>Ptprc</i>	1.14E-05	2.102460758	6.319398758	4.216938
<i>Ptprc</i>	3.19E-07	1.985522981	6.309480182	4.323957201
<i>Ptprd</i>	0.00142407	-1.008954963	3.750519456	4.759474418
<i>Ptpre</i>	0.003255927	1.833842249	4.711911134	2.878068886
<i>Ptpro</i>	3.19E-05	1.108003049	5.73501719	4.627014142
<i>Ptpru</i>	0.000349479	1.20899802	4.8622008	3.653202781
<i>Ptpru</i>	0.001118015	1.13503688	4.590949942	3.455913062
<i>Ptpru</i>	0.000427038	1.407538322	4.699640139	3.292101818
<i>Pxt1</i>	0.000622983	-1.331587976	3.053656638	4.385244614
<i>Pycr1</i>	8.84E-05	-1.060245634	5.39649227	6.456737904
<i>Pygl</i>	0.003745449	1.21879406	4.759773041	3.540978981
<i>R3hdm2</i>	1.23E-05	1.164451922	8.989559347	7.825107425
<i>Rab35</i>	9.81E-06	-1.061732496	5.953800404	7.0155329
<i>Rab36</i>	4.19E-05	-1.257742937	4.001007208	5.258750145
<i>Rab36</i>	6.90E-05	-1.150692453	4.100751757	5.25144421
<i>Rab3il1</i>	6.28E-06	-1.210028303	4.315955725	5.525984027
<i>Racgap1</i>	0.009968348	1.374408188	5.507179618	4.13277143
<i>Racgap1</i>	9.92E-05	1.428777508	5.55696474	4.128187232
<i>Racgap1</i>	0.000736877	1.116459305	5.479395792	4.362936486
<i>Racgap1</i>	0.001816181	1.138037662	5.500239286	4.362201624
<i>Racgap1</i>	0.000161338	1.178584597	5.451738793	4.273154196
<i>Racgap1</i>	0.000296937	1.541878443	5.406729071	3.864850627
<i>Racgap1</i>	8.76E-05	1.548700545	5.631786138	4.083085593
<i>Rad51b</i>	0.00261507	1.841537332	3.956645668	2.115108335
<i>Rad51b</i>	0.003437174	1.230059178	5.133845326	3.903786148

<i>Rad51b</i>	0.00623418	-1.600986886	1.775520134	3.37650702
<i>Rad51b</i>	0.001520041	1.142463968	4.28910276	3.146638793
<i>Ralbp1</i>	0.031869171	-1.446518012	2.343359544	3.789877556
<i>Rasal3</i>	0.003543455	1.074022467	5.263134819	4.189112352
<i>Rasal3</i>	0.00051544	1.210382567	5.147320498	3.936937931
<i>Rasal3</i>	0.000660114	1.201756713	5.163783499	3.962026787
<i>Rasal3</i>	0.00072918	1.049827464	5.156166399	4.106338935
<i>Rasgef1a</i>	2.59E-05	2.886001906	3.858628692	0.972626786
<i>Rasgef1a</i>	0.002197894	1.82703328	3.815796133	1.988762853
<i>Rasgef1a</i>	2.07E-07	3.10615417	4.156218459	1.050064289
<i>Rasgef1a</i>	0.000226863	2.49846273	4.201547808	1.703085078
<i>Rasgef1a</i>	6.02E-05	2.594041406	3.818724791	1.224683385
<i>Rasgrp1</i>	0.000250992	1.59351068	4.333538599	2.74002792
<i>Rasgrp3</i>	0.011756479	1.052820377	4.630566952	3.577746575
<i>Rasgrp4</i>	0.009100651	1.873247773	4.221755243	2.34850747
<i>Rasgrp4</i>	0.001733539	1.697839384	4.055628231	2.357788847
<i>Rassf4</i>	3.78E-05	1.038962503	6.751902799	5.712940296
<i>Rbm34</i>	5.42E-05	-1.067701331	6.745448134	7.813149465
<i>Rbm34</i>	6.05E-05	-1.056722945	6.774381695	7.83110464
<i>Rbms3</i>	0.005375294	1.087600258	8.913358453	7.825758195
<i>Rcsd1</i>	0.000180016	1.197574009	6.179699244	4.982125235
<i>Reg3g</i>	0.000128275	3.073884613	4.061721531	0.987836918
<i>Rel</i>	0.000146262	1.152502987	5.756908172	4.604405185
<i>Relb</i>	0.000655473	1.992154936	4.384738497	2.392583561
<i>Relb</i>	0.002791207	1.259083247	4.261931395	3.002848148
<i>Relb</i>	0.000448164	1.169012041	5.609991161	4.44097912
<i>Relb</i>	0.001152071	2.465038742	4.329605733	1.864566991
<i>Rexo1</i>	0.011038994	1.251017708	3.910265315	2.659247607
<i>Rgs1</i>	0.031803219	1.675142367	4.348000048	2.672857681
<i>Rgs4</i>	0.0004564	1.152177231	4.963320415	3.811143184
<i>Rgs7</i>	0.001595431	-1.107152622	3.998334989	5.105487611
<i>Rgs7</i>	0.001095736	-1.055084442	3.984440219	5.039524661
<i>Rgs9</i>	0.001380051	1.569740819	3.854734886	2.284994068
<i>Rhoc</i>	9.86E-07	1.04258563	9.511556378	8.468970748
<i>Rhou</i>	2.68E-06	1.402877711	6.446838169	5.043960458
<i>Riid1</i>	0.003339894	-2.115003466	2.114362047	4.229365513
<i>Rimklb</i>	0.00477253	-2.029465843	1.977362072	4.006827915
<i>Rimklb</i>	3.19E-05	-2.197710743	1.952939895	4.150650638
<i>Rimklb</i>	0.00010394	-2.058635324	2.099292643	4.157927967
<i>Rimklb</i>	0.000142498	-1.98736035	2.065793203	4.053153553
<i>Rimklb</i>	0.001046604	-2.173661463	2.168703404	4.342364867
<i>Rimklb</i>	0.000968252	-1.862032596	2.504353117	4.366385713
<i>Rims2</i>	0.00187536	1.50945624	3.759278746	2.249822506
<i>Rims2</i>	4.85E-05	1.305383999	4.610860003	3.305476003
<i>Rims2</i>	5.61E-05	1.062380681	4.465915134	3.403534453
<i>Rin2</i>	0.001235403	1.200316903	5.620023772	4.419706868

<i>Rin3</i>	2.25E-05	1.057675784	7.106330517	6.048654734
<i>Rinl</i>	0.000519519	2.049602981	3.934433837	1.884830856
<i>Ripk3</i>	0.000180212	1.083278523	6.729249945	5.645971421
<i>Rlbp1</i>	8.41E-05	1.098200189	6.940485072	5.842284883
<i>Rlbp1</i>	0.000294751	1.169475067	7.117188299	5.947713232
<i>Rmdn1</i>	0.002454225	-1.099596685	5.536363931	6.635960616
<i>Rnase6</i>	0.000431542	1.517824254	4.610197441	3.092373187
<i>Rnf112</i>	0.012436372	-1.017325353	3.674577088	4.691902442
<i>Rnf213</i>	0.000139478	1.045926984	8.707411441	7.661484457
<i>Rnf213</i>	0.000144045	1.060336661	8.71399815	7.653661489
<i>Rnf222</i>	0.013490583	-1.296614688	2.860912263	4.157526951
<i>Ropn1l</i>	0.000643771	-1.212695125	4.822932534	6.035627659
<i>Rsad2</i>	0.000253498	2.604070123	5.92974692	3.325676797
<i>Rtp4</i>	0.000863328	1.457196418	8.242392297	6.78519588
<i>Rtp4</i>	0.000319974	1.606695525	8.424878494	6.818182969
<i>Runx1</i>	0.000136614	1.819722657	6.749016856	4.929294199
<i>Runx1</i>	0.00010407	1.60562119	6.977399649	5.371778459
<i>Runx1</i>	0.000208021	1.817492346	6.92181754	5.104325194
<i>Runx1</i>	0.00010685	1.55962339	6.70892067	5.14929728
<i>Runx2</i>	0.000122036	1.044043637	6.754606641	5.710563004
<i>Runx2</i>	1.20E-06	1.259858823	6.776370554	5.516511731
<i>Runx3</i>	0.001160727	2.084412548	3.842294096	1.757881548
<i>Rxfp2</i>	0.000817544	-1.01952011	3.467968604	4.487488714
<i>S100a10</i>	1.42E-05	1.144564329	9.035437297	7.890872969
<i>S100a11</i>	3.89E-06	1.196572692	11.63613447	10.43956178
<i>S100a14</i>	0.006305169	1.984583711	5.132864295	3.148280584
<i>S100a14</i>	0.002342721	2.515153157	3.92703366	1.411880503
<i>S100a14</i>	0.000229512	1.846666235	4.159376145	2.31270991
<i>S100a8</i>	1.89E-07	4.930497747	6.318091764	1.387594017
<i>S100a9</i>	1.98E-05	5.159845781	7.722713157	2.562867376
<i>S100a9</i>	0.000511941	4.858299274	7.839228481	2.980929207
<i>S1pr1</i>	1.56E-06	1.074817525	5.728514576	4.653697051
<i>Saa1</i>	3.76E-05	3.910794641	4.817244597	0.906449956
<i>Saa1</i>	0.000104566	3.56314593	4.587077349	1.02393142
<i>Saa1</i>	0.000102394	3.945960801	4.890968226	0.945007425
<i>Saa1</i>	3.71E-05	3.573015524	4.806117347	1.233101823
<i>Saa2</i>	0.003677742	2.277043218	4.081716604	1.804673386
<i>Saa2</i>	0.002257461	2.414465688	3.991631246	1.577165558
<i>Saa2</i>	0.00050298	2.520593373	4.018667527	1.498074153
<i>Saa2</i>	0.000162728	2.922594653	4.001961887	1.079367234
<i>Saa3</i>	0.000190759	2.278166078	7.853972298	5.57580622
<i>Samd12</i>	0.000408658	-1.146412244	5.732800064	6.879212308
<i>Samd5</i>	2.09E-05	2.030384042	3.713504959	1.683120917
<i>Sash3</i>	3.34E-05	1.222536991	6.020773006	4.798236016
<i>Sash3</i>	7.43E-05	1.016146904	5.978973611	4.962826707
<i>Saxo2</i>	0.024157739	-1.792276643	1.808684532	3.600961175

<i>Scara3</i>	5.37E-07	2.910755204	8.351941826	5.441186622
<i>Scara3</i>	1.70E-07	3.07039514	8.221937868	5.151542728
<i>Scel</i>	0.000529812	1.19104828	4.495122745	3.304074466
<i>Scin</i>	0.006858855	1.283561498	5.714260393	4.430698895
<i>Scn1b</i>	3.88E-05	1.370278435	7.413868212	6.043589777
<i>Scn1b</i>	0.001536664	1.037219007	7.051156599	6.013937592
<i>Scn3b</i>	0.018594966	1.062219456	3.571554526	2.509335071
<i>Scn3b</i>	0.014908356	1.013578143	3.921355299	2.907777156
<i>Scnn1b</i>	3.87E-05	1.539799384	4.442496371	2.902696987
<i>Scnn1b</i>	0.007084431	1.515443317	4.460908546	2.945465229
<i>Scnn1b</i>	0.000259047	1.585344629	4.561723846	2.976379217
<i>Sdcbp2</i>	0.000900284	1.718696248	5.779565741	4.060869493
<i>Sdcbp2</i>	3.81E-05	1.694551587	5.679334668	3.984783081
<i>Sdcbp2</i>	3.47E-05	2.074521119	5.65325182	3.578730701
<i>Sec16b</i>	0.003470962	-1.38403002	4.671129931	6.055159951
<i>Sec16b</i>	0.001030168	-1.222495956	4.954582378	6.177078334
<i>Sectm1a</i>	0.000358646	1.516515132	6.853532409	5.337017277
<i>Sectm1a</i>	0.000360933	1.37184515	6.630286411	5.258441261
<i>Sectm1a</i>	0.000463208	1.310248316	6.647915681	5.337667366
<i>Sectm1a</i>	0.0001898	2.187051295	5.875339475	3.68828818
<i>Sectm1a</i>	0.000217199	1.505302412	6.716167951	5.210865539
<i>Sectm1b</i>	4.79E-07	3.427902205	7.071093275	3.643191071
<i>Sectm1b</i>	2.64E-06	3.559294842	7.034876583	3.475581741
<i>Sectm1b</i>	2.37E-05	3.828481253	7.10396293	3.275481678
<i>Sectm1b</i>	2.44E-06	4.272920709	6.992903052	2.719982343
<i>Sell</i>	0.010563907	1.9806996	4.318493399	2.3377938
<i>Sell</i>	0.004114326	1.653230129	4.330098396	2.676868267
<i>Sell</i>	0.000756985	1.708788176	4.529297865	2.820509688
<i>Sema3d</i>	7.44E-06	1.859774168	9.058426272	7.198652104
<i>Sema6d</i>	0.000758495	1.115117089	5.289764022	4.174646933
<i>Sept1</i>	0.041154233	1.480050552	3.24827187	1.768221318
<i>Sept1</i>	0.02526945	1.676873919	3.548586985	1.871713066
<i>Sept1</i>	0.00073955	2.037298767	3.211909651	1.174610884
<i>Sept3</i>	0.003479388	1.788807101	3.853216709	2.064409608
<i>Sept3</i>	0.004947482	1.497908	3.930591445	2.432683446
<i>Sept9</i>	3.74E-06	1.032638838	8.645116892	7.612478055
<i>Serp2</i>	0.000208825	-2.437601299	4.068915499	6.506516798
<i>Serp2</i>	2.23E-06	-2.244144966	4.282510296	6.526655262
<i>Serpina16</i>	0.019825385	2.263360376	5.232237231	2.968876856
<i>Serpina3c</i>	0.035978226	1.067827665	5.00469894	3.936871275
<i>Serpina3g</i>	0.001829734	1.592058654	4.888388292	3.296329638
<i>Serpina3i</i>	1.23E-07	1.900387782	7.253805718	5.353417936
<i>Serpina3i</i>	0.000284626	2.169942199	3.753080155	1.583137956
<i>Serpina3i</i>	0.023076668	1.657837622	3.922179613	2.264341991
<i>Serpina3i</i>	1.67E-05	2.01773449	4.085638398	2.067903909
<i>Serpina3i</i>	2.58E-06	1.339684616	3.799114759	2.459430143

<i>Serpina3j</i>	1.07E-05	2.196965912	7.753222502	5.55625659
<i>Serpina3j</i>	5.43E-06	1.708093068	7.617013947	5.908920879
<i>Serpina3j</i>	2.16E-08	1.744700985	7.764919681	6.020218696
<i>Serpina3n</i>	4.14E-08	2.93623861	10.51358494	7.577346334
<i>Serpina3n</i>	6.79E-08	2.686245782	10.19677636	7.510530574
<i>Serpina5</i>	5.59E-08	-3.515011163	1.09014174	4.605152903
<i>Serpina5</i>	1.99E-07	-3.405206828	1.038296412	4.44350324
<i>Serpinb10</i>	0.002037849	-2.533662058	1.624762812	4.158424871
<i>Serpinb10</i>	4.82E-05	-2.594274782	1.509116658	4.10339144
<i>Serpinb6b</i>	0.00285539	1.328701408	4.700697094	3.371995686
<i>Serpinb8</i>	0.001340364	1.102380881	5.569416647	4.467035767
<i>Serpinb9</i>	0.00071594	1.072853303	6.862238592	5.789385289
<i>Serpine2</i>	0.000441587	1.131977567	12.05438534	10.92240777
<i>Sertm1</i>	0.000343509	1.105937993	3.486290243	2.380352249
<i>Sfrp1</i>	0.000604527	1.369142199	10.39649138	9.027349183
<i>Sfrp1</i>	0.001167176	1.277119678	10.33061373	9.053494056
<i>Sftpd</i>	0.000402267	3.188187805	4.49948271	1.311294905
<i>Sh3kbp1</i>	0.002882783	-1.187276901	2.560859277	3.748136178
<i>Sh3kbp1</i>	0.013998108	-1.396312039	2.428167347	3.824479386
<i>Sh3kbp1</i>	0.026688007	-1.04190751	2.943418444	3.985325954
<i>Sh3kbp1</i>	0.037570906	-1.558922849	2.648253297	4.207176146
<i>Sh3kbp1</i>	0.004102382	-1.725740123	1.943083447	3.668823571
<i>Sh3kbp1</i>	0.019249532	-1.541417606	2.382534188	3.923951794
<i>Sh3tc1</i>	0.024016753	1.198263465	4.486002832	3.287739367
<i>Shank2</i>	0.000314014	-1.049875578	4.786112037	5.835987615
<i>Shisa7</i>	0.000941238	-1.023548644	2.94890546	3.972454103
<i>Shisa7</i>	0.031697597	-1.529148199	2.379276041	3.90842424
<i>Shisa7</i>	0.018892978	-1.890345428	2.667947784	4.558293212
<i>Shisa7</i>	0.002095933	-1.272689104	3.249380535	4.522069639
<i>Shisa7</i>	0.001533042	-1.613778267	2.403596318	4.017374585
<i>Shisa7</i>	0.030735846	-1.487316324	2.784493297	4.271809621
<i>Siglec1</i>	7.16E-06	1.161921177	5.961121574	4.799200396
<i>Siglec1</i>	9.93E-05	1.085346051	5.994679073	4.909333022
<i>Siglece</i>	0.001164661	2.334455761	4.816195706	2.481739944
<i>Siglece</i>	0.000135546	2.605410041	5.09259937	2.487189328
<i>Siglece</i>	5.71E-05	2.669130439	4.928276167	2.259145728
<i>Siglece</i>	0.002231662	2.690449843	4.766032856	2.075583013
<i>Siglece</i>	0.00076063	2.592967798	4.652779625	2.059811826
<i>Siglecg</i>	7.31E-05	1.023913552	5.564170535	4.540256983
<i>Sirpa</i>	1.11E-06	1.81416615	7.98311849	6.168952339
<i>Sirpa</i>	0.000197419	1.230627738	6.000561608	4.76993387
<i>Sirpa</i>	5.33E-05	1.035396859	5.836533261	4.801136403
<i>Sirpa</i>	3.51E-07	1.831041032	8.074066494	6.243025462
<i>Sirpa</i>	5.92E-08	1.849915218	8.190611558	6.34069634
<i>Sirpa</i>	1.89E-05	1.150066717	5.932298563	4.782231846
<i>Sirpa</i>	9.00E-07	1.835242531	8.148834513	6.313591982

<i>Sirpa</i>	7.01E-07	1.710188606	8.000341981	6.290153375
<i>Sirpa</i>	2.58E-07	1.806043156	8.115391006	6.30934785
<i>Sirpb1a</i>	0.000457428	2.999371985	4.965304549	1.965932564
<i>Skida1</i>	0.000244044	-2.259492107	1.426269143	3.68576125
<i>Skida1</i>	0.003376793	-1.949701722	1.521253273	3.470954995
<i>Sla</i>	3.09E-05	1.194989607	6.135782299	4.940792692
<i>Slamf6</i>	1.56E-05	1.120840583	10.54477636	9.423935782
<i>Slc10a2</i>	0.006652474	1.751544188	3.606489153	1.854944965
<i>Slc11a1</i>	0.001007615	1.15163723	6.325411289	5.173774059
<i>Slc11a1</i>	0.000538421	1.246393052	6.268681787	5.022288734
<i>Slc12a2</i>	1.67E-06	2.892308716	8.15774834	5.265439624
<i>Slc12a2</i>	1.05E-06	2.999599544	8.206604326	5.207004781
<i>Slc12a2</i>	4.00E-07	2.895261734	8.233364941	5.338103207
<i>Slc12a2</i>	1.46E-07	3.212618765	8.30704482	5.094426056
<i>Slc14a1</i>	0.002239515	1.089963973	3.820427792	2.730463819
<i>Slc14a1</i>	0.017103966	1.193318129	4.180650243	2.987332115
<i>Slc14a2</i>	4.54E-05	1.824821551	3.847772178	2.022950626
<i>Slc15a3</i>	0.001634903	1.353709864	4.652232699	3.298522835
<i>Slc16a12</i>	0.000414801	1.614123513	4.405791317	2.791667805
<i>Slc16a12</i>	6.08E-05	1.735156518	4.582585661	2.847429143
<i>Slc16a12</i>	0.004341098	1.293338587	4.480326624	3.186988038
<i>Slc16a12</i>	0.000654295	1.827009882	4.39500639	2.567996508
<i>Slc16a6</i>	0.021647275	1.091228343	4.232879752	3.141651409
<i>Slc18b1</i>	0.011657508	-1.717682286	2.205635596	3.923317882
<i>Slc20a1</i>	0.003113294	1.073395563	6.265092423	5.19169686
<i>Slc25a13</i>	0.000109188	-1.41611582	2.071465804	3.487581624
<i>Slc25a21</i>	3.48E-07	1.602050136	9.934901864	8.332851728
<i>Slc25a24</i>	3.16E-06	1.304928637	6.714944723	5.410016086
<i>Slc25a24</i>	0.000127377	1.304363587	6.562069931	5.257706344
<i>Slc25a34</i>	0.0118955	-1.06904182	2.646565849	3.715607669
<i>Slc25a48</i>	0.009760239	1.635161256	3.352395845	1.717234589
<i>Slc25a48</i>	0.001553789	2.254717156	3.543108744	1.288391587
<i>Slc26a9</i>	0.000186887	-1.017443958	5.43156828	6.449012238
<i>Slc27a3</i>	0.000146229	1.071345081	5.82066704	4.749321959
<i>Slc27a3</i>	0.000211543	1.428225425	5.86224959	4.434024165
<i>Slc27a3</i>	0.000137118	1.18862545	5.948662541	4.760037091
<i>Slc28a1</i>	0.007736368	-1.41775523	2.716954684	4.134709914
<i>Slc2a12</i>	0.021082974	1.273403552	4.376026059	3.102622507
<i>Slc2a12</i>	0.004511953	1.590335231	4.293947521	2.703612291
<i>Slc34a1</i>	3.72E-05	-1.061818542	4.019721697	5.081540239
<i>Slc34a2</i>	0.000123562	2.296501715	7.307087526	5.010585812
<i>Slc34a2</i>	1.52E-05	2.51927752	7.0656731	4.54639558
<i>Slc38a4</i>	0.00215755	-1.295602518	2.498801426	3.794403944
<i>Slc38a4</i>	0.01365244	-1.739674021	2.315312488	4.054986509
<i>Slc38a4</i>	0.005920218	-1.128933139	2.980332622	4.109265761
<i>Slc38a4</i>	0.012507921	-1.61544279	2.317840523	3.933283313

<i>Slc38a4</i>	0.017741574	-1.855611388	2.272266095	4.127877482
<i>Slc39a5</i>	0.000365231	-1.531001982	4.393898545	5.924900526
<i>Slc39a5</i>	8.17E-05	-1.738665488	4.271247128	6.009912615
<i>Slc39a5</i>	1.57E-06	-1.610482817	4.271741173	5.88222399
<i>Slc39a5</i>	1.38E-05	-1.418291347	4.634445088	6.052736435
<i>Slc39a5</i>	8.49E-07	-1.587180691	4.264852529	5.85203322
<i>Slc39a5</i>	1.52E-05	-1.525494038	4.400889844	5.926383882
<i>Slc39a5</i>	4.23E-05	-1.368333962	4.42694537	5.795279332
<i>Slc40a1</i>	4.40E-05	1.993523622	6.407949048	4.414425426
<i>Slc43a2</i>	7.30E-05	1.059412727	6.000364265	4.940951538
<i>Slc47a2</i>	0.019150656	-1.028834546	3.917013025	4.945847571
<i>Slc4a5</i>	0.037164562	-1.455484655	2.033264143	3.488748798
<i>Slc5a9</i>	0.002891989	1.696181025	4.805766724	3.109585699
<i>Slc5a9</i>	0.000134182	1.409813261	4.762099488	3.352286227
<i>Slc5a9</i>	0.000707919	1.638864776	4.721054387	3.082189611
<i>Slc6a2</i>	0.000615555	1.675151263	5.750590473	4.07543921
<i>Slc6a2</i>	0.000277748	1.708495902	5.702021624	3.993525723
<i>Slc6a2</i>	0.000483286	1.55172909	5.640691262	4.088962172
<i>Slc7a15</i>	0.006628701	-1.431259199	2.864204525	4.295463724
<i>Slc7a15</i>	0.012841258	-1.695602762	2.72102021	4.416622972
<i>Slc8a1</i>	0.000754142	1.217204614	6.611625483	5.394420868
<i>Slc8a1</i>	0.00130853	1.137037056	6.494046314	5.357009258
<i>Slc9a3</i>	0.003981165	-1.477658351	2.289308912	3.766967263
<i>Slc9a3</i>	3.66E-05	-1.33493768	5.78579522	7.120732901
<i>Slco6d1</i>	0.004319779	-1.003226579	2.457216429	3.460443008
<i>Sln2</i>	4.23E-05	1.526122602	6.353782645	4.827660043
<i>Sln2</i>	3.79E-07	1.689461035	6.438122335	4.7486613
<i>Sln2</i>	2.85E-07	1.656270579	6.417703208	4.761432629
<i>Sln2</i>	0.00011365	1.905820437	6.439990121	4.534169685
<i>Sln8</i>	0.004274683	1.39661813	4.073050448	2.676432318
<i>Sln8</i>	0.010577759	1.033033176	3.828238522	2.795205345
<i>Sln8</i>	0.010748585	1.131023692	3.777387215	2.646363523
<i>Sln8</i>	0.0002991	1.426645287	3.896304828	2.469659541
<i>Sln8</i>	0.003421218	1.487038245	4.056719995	2.56968175
<i>Sln8</i>	0.003030322	1.423983017	3.986556238	2.562573221
<i>Sln8</i>	0.008213128	1.769502437	3.847129549	2.077627112
<i>Slpi</i>	0.000209308	2.332786905	8.110612866	5.777825961
<i>Smcp</i>	0.002539624	-2.024012673	1.528640597	3.55265327
<i>Socs3</i>	0.001358992	2.879796115	4.682083684	1.802287569
<i>Socs3</i>	0.000153836	2.462817885	5.071675367	2.608857482
<i>Sox17</i>	0.017508394	1.24920382	3.485277838	2.236074018
<i>Sox4</i>	0.000104662	1.644524863	6.402932483	4.75840762
<i>Sox6</i>	0.013414158	1.345663161	6.665249948	5.319586787
<i>Sp100</i>	0.000131579	1.068924855	5.218135775	4.14921092
<i>Sp100</i>	0.001287644	1.103153149	5.34557669	4.242423541
<i>Sp100</i>	5.32E-05	1.404815966	5.502585834	4.097769868

<i>Sp100</i>	5.91E-05	1.288256701	5.516260312	4.228003611
<i>Sp100</i>	0.00470848	1.178863995	5.496781505	4.31791751
<i>Sp100</i>	0.001241079	1.323316342	5.330460497	4.007144155
<i>Sp100</i>	9.34E-05	1.312258477	5.549519576	4.2372611
<i>Sp100</i>	4.35E-05	1.555493943	5.787047971	4.231554028
<i>Spata3</i>	0.000288303	-1.268202981	3.544303192	4.812506173
<i>Spats1</i>	2.59E-05	-1.013276952	5.934962895	6.948239847
<i>Spc25</i>	0.001112112	1.06630856	4.72955207	3.663243511
<i>Spc25</i>	0.029157661	1.027890774	4.572076448	3.544185674
<i>Spc25</i>	0.011681981	1.176819547	4.740702074	3.563882527
<i>Spdl1</i>	0.011463111	1.074537087	4.548533682	3.473996595
<i>Specc1</i>	0.000988792	1.144315943	4.716445051	3.572129108
<i>Spi1</i>	0.000498335	1.142076529	6.478772961	5.336696431
<i>Spi1</i>	0.000281901	1.090332374	5.548397524	4.45806515
<i>Spi1</i>	3.48E-05	1.70440925	6.307543155	4.603133905
<i>Spib</i>	4.45E-06	1.055039387	8.581664096	7.526624709
<i>Spib</i>	5.49E-06	1.170941623	8.739323251	7.568381628
<i>Spib</i>	1.86E-05	1.085101116	8.551695248	7.466594132
<i>Spib</i>	2.13E-05	1.162343334	8.532547619	7.370204285
<i>Spib</i>	7.73E-07	1.07060781	8.528694017	7.458086207
<i>Spin2c</i>	0.018286647	-1.003455955	2.77850252	3.781958475
<i>Spn</i>	0.000220438	1.221232829	5.125464025	3.904231196
<i>Spn</i>	6.58E-05	1.604581628	5.187312297	3.582730669
<i>Spns2</i>	3.41E-06	1.480738375	7.3418086	5.861070224
<i>Spns2</i>	6.08E-05	1.152088308	7.221930013	6.069841705
<i>Spns2</i>	2.20E-05	1.266456598	7.12139431	5.854937712
<i>Spns2</i>	0.000194783	1.015250421	7.056035901	6.040785481
<i>Spns2</i>	1.97E-05	1.159418625	7.090337013	5.930918388
<i>Spns2</i>	4.49E-05	1.142933123	7.190350316	6.047417193
<i>Spns2</i>	3.57E-05	1.129319555	7.173672969	6.044353415
<i>Spp1</i>	0.000508863	7.544867558	8.833682501	1.288814943
<i>Spp1</i>	0.000630945	7.381063312	8.76734423	1.386280918
<i>Spp1</i>	0.000497074	7.656080855	8.858528183	1.202447327
<i>Spp1</i>	0.00039938	7.659018835	9.033757025	1.37473819
<i>Spp1</i>	0.000597514	7.473181465	8.71540388	1.242222415
<i>Spred2</i>	0.007914912	-1.022696696	5.691149904	6.7138466
<i>Sprr1a</i>	5.33E-06	4.148826545	9.833614414	5.68478787
<i>Sprr2b</i>	9.16E-07	2.482988658	8.955168002	6.472179344
<i>Srgn</i>	2.96E-05	1.01519407	10.41254186	9.397347785
<i>Srpx</i>	1.15E-08	1.951939324	7.911953005	5.960013681
<i>Srsf1</i>	0.020232108	-1.101354176	2.508422635	3.609776811
<i>Sst</i>	0.000451044	1.086355446	4.849024433	3.762668987
<i>St3gal4</i>	0.003407059	1.018408554	5.379469605	4.361061052
<i>St3gal4</i>	0.000318129	1.096107809	5.235019963	4.138912154
<i>St3gal4</i>	0.001213008	1.310461061	5.47103025	4.160569189
<i>St3gal4</i>	0.000240825	1.077428897	5.245564598	4.168135701

<i>St6galnac3</i>	0.002010042	1.246071397	4.062027232	2.815955835
<i>St8sia4</i>	0.003745934	1.227455648	4.555192198	3.32773655
<i>St8sia4</i>	0.000608143	1.166346294	3.867545365	2.701199072
<i>Stab1</i>	0.000124179	1.288485956	7.746082929	6.457596973
<i>Stap1</i>	0.003655063	2.568965187	4.571151163	2.002185976
<i>Stap1</i>	0.00171616	1.226964677	4.283206102	3.056241425
<i>Stard9</i>	0.014828905	1.169063959	3.398078431	2.229014472
<i>Stat1</i>	2.73E-06	1.021501082	8.21947064	7.197969559
<i>Stat4</i>	0.011949819	1.746531853	3.699955305	1.953423452
<i>Stat4</i>	0.000674161	1.666813012	3.418072575	1.751259563
<i>Steap4</i>	0.000560899	1.324066012	6.680115513	5.3560495
<i>Stfa2</i>	0.03418234	1.089142812	4.078374854	2.989232041
<i>Stk25</i>	0.000674959	-1.094114414	3.355838261	4.449952675
<i>Stmn1</i>	3.46E-05	1.092251697	9.15713017	8.064878473
<i>Stmn3</i>	5.38E-05	1.025120716	9.536299135	8.51117842
<i>Stra6</i>	4.02E-05	1.692760211	7.167655218	5.474895007
<i>Stra6</i>	4.79E-05	1.375510572	7.024949343	5.649438771
<i>Stra6</i>	0.000139782	1.503794426	7.179038752	5.675244326
<i>Stra6</i>	5.41E-05	1.663812124	7.207376035	5.543563911
<i>Stra6</i>	5.57E-05	1.675905185	7.333187336	5.657282151
<i>Stra6</i>	0.000129564	1.622423604	7.23382187	5.611398266
<i>Stra6</i>	9.45E-05	1.519239727	7.25055707	5.731317343
<i>Stra6</i>	0.000212437	1.349065738	6.987065269	5.637999531
<i>Stx11</i>	0.000173451	1.264302379	4.540421636	3.276119257
<i>Stx11</i>	0.022844501	1.562325796	4.363121454	2.800795658
<i>Stx11</i>	0.002417079	1.700076568	4.404842833	2.704766265
<i>Stxbp5l</i>	0.031848918	1.159272061	3.742487144	2.583215083
<i>Styx1l</i>	0.000113272	-1.507137501	3.784535312	5.291672813
<i>Sult6b2</i>	0.011234109	1.627822698	3.388856366	1.761033668
<i>Susd1</i>	4.40E-06	1.184533955	5.620403052	4.435869097
<i>Susd4</i>	0.012500085	1.626890088	4.200468155	2.573578066
<i>Susd4</i>	0.013692123	1.713232058	4.475910149	2.762678091
<i>Susd4</i>	0.040645356	1.239363842	3.958642336	2.719278494
<i>Svs2</i>	0.000170178	5.838467137	15.71286308	9.874395943
<i>Svs4</i>	0.000449612	5.684534112	12.88424568	7.199711566
<i>Svs5</i>	0.000293913	5.544214962	13.89050368	8.346288722
<i>Sybu</i>	0.005935665	-1.325164075	4.23614586	5.561309935
<i>Sybu</i>	0.028086737	-1.0597673	4.481473817	5.541241116
<i>Sybu</i>	0.000536159	-1.127391584	4.472207912	5.599599497
<i>Sybu</i>	0.000137619	-1.256526463	4.34663048	5.603156943
<i>Sybu</i>	0.003938225	-1.08666878	4.342980386	5.429649167
<i>Sybu</i>	0.000641702	-1.452954622	4.170048354	5.623002976
<i>Sybu</i>	0.000922709	-1.132546858	4.492657748	5.625204606
<i>Sybu</i>	0.003540023	-1.023631996	4.48435745	5.507989446
<i>Sybu</i>	0.002076373	-1.139440119	4.389788112	5.529228232
<i>Syce1</i>	7.03E-05	1.009193573	6.774788526	5.765594953

<i>Syk</i>	0.000442731	1.032036561	6.148298012	5.116261451
<i>Syk</i>	0.000112628	1.374318344	6.032380755	4.658062411
<i>Syk</i>	7.15E-05	1.059570021	6.12868592	5.069115899
<i>Syk</i>	0.000148757	1.130332371	6.091096264	4.960763893
<i>Syngnr1</i>	0.003292435	1.255508401	5.807745661	4.55223726
<i>Syt14</i>	0.014203218	-1.050790288	2.641842417	3.692632705
<i>Syt2</i>	8.38E-06	1.13961167	8.710674552	7.571062882
<i>Syt8</i>	0.002583447	1.297340192	4.441573425	3.144233233
<i>Syt8</i>	0.000484461	1.650461064	4.534685531	2.884224466
<i>Syt8</i>	0.009805915	1.311959533	4.279624992	2.967665459
<i>Syt8</i>	0.013393952	1.175327067	4.225025628	3.049698561
<i>Syt8</i>	0.007425081	2.073411199	3.665526024	1.592114825
<i>Syt8</i>	0.019030361	1.850508124	4.545993894	2.69548577
<i>Syt8</i>	0.004417349	1.272628471	4.121502342	2.848873871
<i>Syt8</i>	0.028191213	1.354819732	4.359783294	3.004963562
<i>Syt8</i>	0.015253349	1.747850861	4.145727619	2.397876757
<i>Syt8</i>	2.94E-05	1.61953962	4.571372206	2.951832586
<i>Syt8</i>	0.003977795	1.675178235	4.427289052	2.752110817
<i>Sytl3</i>	1.38E-05	-1.05200521	5.98240963	7.03441484
<i>Sytl5</i>	0.000710057	1.000104807	5.966941408	4.966836601
<i>Sytl5</i>	0.000657863	1.014359849	5.968810133	4.954450284
<i>Tacstd2</i>	2.65E-06	3.891602145	8.005527479	4.113925334
<i>Taf7l</i>	0.005362799	-1.741012302	1.807198567	3.54821087
<i>Tagln2</i>	1.94E-05	1.002240219	10.05585517	9.053614947
<i>Tarbp2</i>	3.05E-06	1.047345319	11.69151481	10.64416949
<i>Tars2</i>	0.029966351	1.22769861	3.69073177	2.46303316
<i>Tasp1</i>	5.44E-05	-1.034012289	4.940103227	5.974115516
<i>Tasp1</i>	1.42E-05	-1.043282091	5.246280717	6.289562808
<i>Tasp1</i>	8.85E-07	-1.0227339	5.057436457	6.080170357
<i>Tasp1</i>	8.76E-05	-1.04947786	5.125519065	6.174996925
<i>Tbata</i>	0.00309987	-1.315770638	3.446596427	4.762367065
<i>Tbc1d10c</i>	0.000539416	1.141411772	4.760714561	3.619302789
<i>Tbc1d10c</i>	0.003051166	1.09668959	4.686605394	3.589915804
<i>Tbc1d2b</i>	0.000660027	1.119600931	6.165597619	5.045996689
<i>Tcerg1</i>	0.000113731	1.150013751	6.513325493	5.363311742
<i>Tcp1111</i>	0.000137636	1.012202724	6.360729876	5.348527152
<i>Tdpoz2</i>	0.000126868	-1.514557062	6.174832446	7.689389508
<i>Tdpoz2</i>	1.65E-06	-1.54851901	6.182505832	7.731024842
<i>Tead4</i>	0.00029445	2.194295543	3.861083144	1.666787601
<i>Tecta</i>	0.01149658	-1.284031197	2.903536885	4.187568082
<i>Terf2</i>	0.000674127	-1.510689266	2.947706762	4.458396028
<i>Tet1</i>	0.001412078	-1.319947669	4.13164815	5.451595819
<i>Tet1</i>	0.000157651	-1.081146266	4.231143995	5.312290261
<i>Tet1</i>	0.000106959	-1.050935519	4.266497056	5.317432576
<i>Tet1</i>	0.001059116	-1.224012417	4.246194571	5.470206988
<i>Tex14</i>	0.00849963	-1.903281549	1.8744426	3.777724149

<i>Tex14</i>	0.000185786	-1.598072471	2.565782231	4.163854702
<i>Tex14</i>	0.016479387	-1.669097094	1.812773586	3.481870679
<i>Tex35</i>	0.000165488	-2.034943456	1.407659726	3.442603182
<i>Tfcp2l1</i>	0.004182286	1.006749633	7.254341395	6.247591762
<i>Tfec</i>	0.00215299	-1.047451021	3.929603081	4.977054102
<i>Tgfb1</i>	2.52E-05	1.206884468	7.295261381	6.088376914
<i>Tgfb1</i>	0.000254854	1.0970691	7.831370284	6.734301184
<i>Tgtp2</i>	1.09E-05	1.119792833	4.825581519	3.705788685
<i>Thbs1</i>	1.28E-05	1.764991541	8.433747805	6.668756264
<i>Thbs1</i>	5.49E-06	1.643594258	8.405952817	6.762358559
<i>Themis2</i>	0.043909716	1.217328721	4.20332701	2.985998288
<i>Tifa</i>	4.67E-06	1.829201029	5.761296933	3.932095905
<i>Tifa</i>	2.50E-05	1.361041608	5.552364822	4.191323215
<i>Tifa</i>	1.55E-06	1.68435436	5.546408025	3.862053665
<i>Tifa</i>	0.000210376	1.836513296	5.824193819	3.987680523
<i>Tifa</i>	6.44E-05	1.391975034	5.509105274	4.11713024
<i>Tifab</i>	0.027725969	1.176152284	3.30586978	2.129717496
<i>Tifab</i>	0.001236241	1.857784104	3.587459268	1.729675163
<i>Timp1</i>	1.22E-06	2.502555024	8.444094526	5.941539502
<i>Timp1</i>	3.67E-06	2.29570831	8.820744818	6.525036508
<i>Timp1</i>	9.65E-08	2.611693066	8.478932269	5.867239203
<i>Timp4</i>	0.019383319	1.111108067	4.804697858	3.693589791
<i>Tlr1</i>	0.003444729	1.721100623	4.990516589	3.269415966
<i>Tlr1</i>	0.000847671	1.593227586	4.853719672	3.260492085
<i>Tlr1</i>	0.000222794	1.893927353	4.897592047	3.003664694
<i>Tlr1</i>	0.001731994	1.872063723	4.919082156	3.047018433
<i>Tlr1</i>	0.000712806	1.6194311	4.935006387	3.315575287
<i>Tlr13</i>	0.001553434	1.255121127	5.04349961	3.788378483
<i>Tlr2</i>	5.35E-05	1.320276232	5.777549396	4.457273164
<i>Tlr2</i>	8.09E-05	1.005517133	5.672860747	4.667343614
<i>Tlr7</i>	0.000329516	1.164206612	6.344924431	5.180717819
<i>Tlr7</i>	0.000144713	1.084220849	6.418566205	5.334345356
<i>Tlr7</i>	0.000437315	1.195276201	6.372595528	5.177319327
<i>Tlr7</i>	0.000117861	1.112654318	6.232680946	5.120026628
<i>Tlr7</i>	5.39E-05	1.27970932	6.302245408	5.022536088
<i>Tlr8</i>	0.001690129	1.803350159	4.223841094	2.420490935
<i>Tlr8</i>	0.000903829	2.044819325	4.187554068	2.142734743
<i>Tlr8</i>	0.004558936	1.869959617	4.594501073	2.724541457
<i>Tlr8</i>	0.000244688	2.897702059	4.48225293	1.584550871
<i>Tlr9</i>	0.00012959	1.094954386	5.637628437	4.542674051
<i>Tm6sf1</i>	5.73E-07	1.10154368	7.311894446	6.210350766
<i>Tm6sf1</i>	3.22E-05	1.364741451	6.510484503	5.145743052
<i>Tm6sf1</i>	8.02E-06	1.645846539	6.171449458	4.525602919
<i>Tm6sf1</i>	2.36E-06	1.083190646	7.212803582	6.129612936
<i>Tm6sf1</i>	1.74E-05	1.290645798	6.238575928	4.94793013
<i>Tmcc1</i>	3.00E-05	-1.002658086	5.287750723	6.290408809

<i>Tmeff2</i>	0.002530667	1.105378356	4.443036448	3.337658092
<i>Tmem108</i>	0.025128348	-1.343330249	2.149130434	3.492460684
<i>Tmem116</i>	1.46E-06	1.034626155	7.483626986	6.449000831
<i>Tmem119</i>	8.46E-05	1.041052124	6.46595863	5.424906506
<i>Tmem139</i>	0.004226482	1.029777147	4.658105225	3.628328077
<i>Tmem139</i>	0.001241673	1.381149482	4.565845953	3.184696471
<i>Tmem167</i>	5.36E-06	-1.154204089	6.580290145	7.734494235
<i>Tmem229b</i>	0.00011272	1.036901197	6.122866865	5.085965668
<i>Tmem260</i>	1.56E-05	-1.352434412	3.950305505	5.302739916
<i>Tmem266</i>	0.046388283	-1.789658495	1.983358077	3.773016572
<i>Tmem266</i>	0.013674315	-1.155282112	3.327328969	4.482611081
<i>Tmem40</i>	9.06E-05	1.001076656	5.031275237	4.030198581
<i>Tmem52b</i>	0.004090245	-1.083958659	3.668897186	4.752855845
<i>Tmprss4</i>	0.001310576	2.900714022	4.542887677	1.642173655
<i>Tmprss4</i>	3.96E-08	3.852415175	4.722784122	0.870368947
<i>Tnc</i>	0.008051983	1.415127826	5.839497917	4.424370091
<i>Tnc</i>	0.000884815	1.286978762	7.821494393	6.534515631
<i>Tnc</i>	0.011710553	1.355816564	5.964825964	4.609009401
<i>Tnc</i>	0.004105424	1.218599446	5.987039663	4.768440217
<i>Tnc</i>	0.000449318	1.497714817	7.835698592	6.337983776
<i>Tnf</i>	0.000117782	1.116328942	4.822757221	3.706428279
<i>Tnf</i>	0.001677687	1.235854254	4.995296699	3.759442445
<i>Tnfaip2</i>	2.35E-05	1.931442649	4.60640772	2.674965071
<i>Tnfaip2</i>	0.001802476	1.526650918	4.56913854	3.042487622
<i>Tnfaip2</i>	2.45E-05	2.150193599	5.646972729	3.49677913
<i>Tnfaip3</i>	0.000106838	1.657934927	5.592048368	3.934113441
<i>Tnfaip3</i>	0.004791311	2.153523382	5.642241066	3.488717684
<i>Tnfaip3</i>	0.000181307	1.91968098	5.678303722	3.758622742
<i>Tnfrsf10b</i>	2.16E-05	1.045080387	4.782361238	3.737280852
<i>Tnfrsf11b</i>	2.98E-05	1.63549922	5.599755221	3.964256
<i>Tnfrsf13b</i>	0.000210261	1.003330859	5.82939089	4.826060031
<i>Tnfrsf13c</i>	0.005002841	-1.164537154	2.529788533	3.694325688
<i>Tnfrsf14</i>	0.000311172	1.053657278	5.326660509	4.273003231
<i>Tnfrsf21</i>	0.000343259	1.065621382	7.663866914	6.598245532
<i>Tnfrsf23</i>	0.005757726	1.043305999	4.975713074	3.932407076
<i>Tnfrsf23</i>	0.003435133	1.006800827	4.683552213	3.676751387
<i>Tnfsf10</i>	0.000167753	2.919185491	5.566327768	2.647142277
<i>Tnip3</i>	3.95E-05	2.543689916	3.51584922	0.972159303
<i>Tnni1</i>	4.23E-05	1.345189884	8.624010815	7.278820931
<i>Tnp1</i>	9.48E-07	-5.605612988	1.122582445	6.728195433
<i>Tnp2</i>	2.27E-11	-4.560578663	1.079834079	5.640412742
<i>Top2a</i>	8.93E-06	1.448969304	6.59709678	5.148127476
<i>Top2a</i>	4.84E-06	1.341953178	6.545043645	5.203090466
<i>Tpx2</i>	0.022099712	1.619082709	4.108437882	2.489355173
<i>Tpx2</i>	0.004440554	1.234837404	4.124650912	2.889813507
<i>Tpx2</i>	6.99E-05	1.811651334	4.626624545	2.814973212

<i>Trappc9</i>	8.68E-08	-1.474774666	6.596745182	8.071519848
<i>Trdmt1</i>	0.010888822	-1.094748894	3.346923739	4.441672633
<i>Trem2</i>	8.60E-06	2.157241718	7.181623878	5.02438216
<i>Trem2</i>	0.00012025	2.171403909	7.0805257	4.90912179
<i>Trem2</i>	1.80E-05	2.048435664	7.223884432	5.175448767
<i>Trem2</i>	1.53E-05	2.334678294	7.315951285	4.981272991
<i>Trem12</i>	0.000581237	1.411852204	8.413278998	7.001426794
<i>Trem12</i>	0.001015333	1.327398032	8.373731882	7.04633385
<i>Trf</i>	0.000108169	1.529423559	8.820328993	7.290905434
<i>Trim10</i>	0.008125826	-1.45157289	2.162326161	3.613899051
<i>Trim29</i>	0.000806012	1.636997189	4.282046342	2.645049153
<i>Trim29</i>	0.001386291	1.079919272	4.351773556	3.271854284
<i>Trim30a</i>	4.28E-06	1.339007558	5.772587952	4.433580393
<i>Trim30a</i>	0.000216773	1.42933858	5.805992119	4.37665354
<i>Trim36</i>	0.024493051	1.189339718	3.51493357	2.325593852
<i>Trim66</i>	0.030225717	-1.408855407	2.708252476	4.117107882
<i>Trim7</i>	4.69E-06	1.141958595	9.256136544	8.11417795
<i>Trim7</i>	5.71E-06	1.1323998	9.496829214	8.364429415
<i>Trim7</i>	2.53E-05	1.174032572	9.507731199	8.333698626
<i>Troap</i>	0.011264215	1.380722126	4.278561341	2.897839214
<i>Trp53bp1</i>	0.003994054	1.212357306	9.83562971	8.623272404
<i>Trp53bp1</i>	0.002838504	1.136137647	9.805434347	8.6692967
<i>Trp53bp1</i>	0.003244353	1.215727845	9.810274997	8.594547152
<i>Trpm3</i>	0.001146378	-1.501353626	3.271583996	4.772937623
<i>Trpv6</i>	0.014356289	2.772705445	4.223395164	1.450689719
<i>Tsc22d3</i>	5.72E-05	1.087371086	8.780591325	7.693220238
<i>Tsga13</i>	0.005245062	-1.164624748	3.108257159	4.272881907
<i>Tspear</i>	0.000870897	-1.126849783	3.417595527	4.544445311
<i>Tspyl4</i>	0.000159655	-1.062623588	7.640162199	8.702785788
<i>Tssk1</i>	2.40E-05	1.967690425	10.01369907	8.046008645
<i>Tssk1</i>	0.000283931	1.052298901	9.753664192	8.701365291
<i>Ttyh2</i>	6.39E-06	-1.137658839	7.207860672	8.34551951
<i>Tuba3b</i>	1.73E-06	-2.015446556	4.491214965	6.50666152
<i>Tuba3b</i>	1.05E-07	-2.058189586	4.547062492	6.605252078
<i>Txndc2</i>	0.001116054	-2.289536802	1.922552027	4.212088829
<i>Tyms</i>	9.25E-08	-1.011274422	6.174579756	7.185854178
<i>Tyms</i>	9.83E-07	-1.074500516	6.160216303	7.234716819
<i>Tyms</i>	3.12E-06	-1.016633747	6.191820944	7.20845469
<i>Tyrobp</i>	1.39E-05	1.664590085	8.915932665	7.251342581
<i>Uaca</i>	0.00060394	-1.025979073	5.756317477	6.78229655
<i>Ubd</i>	9.57E-05	2.364417495	3.435805045	1.07138755
<i>Ubd</i>	1.26E-06	2.432609983	3.367830868	0.935220885
<i>Ube2c</i>	9.17E-06	1.83230503	7.144776892	5.312471862
<i>Ufl1</i>	3.13E-06	-1.160799981	8.736079785	9.896879767
<i>Ugt2b34</i>	3.39E-05	1.534698306	5.072670372	3.537972067
<i>Uhrf1</i>	0.002139468	1.170133853	4.166433005	2.996299152

<i>Uhrf1</i>	0.00571289	1.34790345	3.922270843	2.574367393
<i>Uhrf1</i>	0.008105818	1.394005147	4.132746712	2.738741565
<i>Ulbp1</i>	0.003425177	1.845651468	4.178059173	2.332407704
<i>Ulbp1</i>	2.42E-05	1.527544923	3.522238416	1.994693492
<i>Ulbp1</i>	8.43E-05	1.422415229	3.301141446	1.878726217
<i>Unc13d</i>	0.005926683	2.14568522	3.958295267	1.812610047
<i>Unc5cl</i>	6.84E-05	-1.275715061	3.730401557	5.006116617
<i>Unc79</i>	0.047643994	1.76007437	3.533205439	1.773131069
<i>Unc79</i>	0.018903535	2.410049971	3.719554917	1.309504946
<i>Unc79</i>	0.014507031	1.113199819	6.12983586	5.016636041
<i>Uqcr10</i>	0.000152759	-2.302343405	5.643093758	7.945437162
<i>Uroc1</i>	6.92E-06	-1.772754573	2.181430978	3.95418555
<i>Uroc1</i>	0.016152587	-1.036836247	2.912794736	3.949630983
<i>Usp18</i>	4.30E-05	1.656422067	7.353595818	5.697173751
<i>Usp40</i>	2.15E-05	1.079236034	8.126750815	7.047514781
<i>Usp40</i>	6.99E-05	1.019368363	7.891142285	6.871773922
<i>Vav1</i>	0.001854198	1.943589809	5.339953308	3.396363499
<i>Vav1</i>	7.81E-06	1.395237307	9.287670127	7.89243282
<i>Vav1</i>	0.002927991	2.316005014	5.175084827	2.859079812
<i>Vav1</i>	1.99E-05	1.289551669	9.136637066	7.847085397
<i>Vcan</i>	0.001644907	1.162839898	5.397876052	4.235036153
<i>Vill</i>	0.000241982	2.040581715	5.504733977	3.464152262
<i>Vill</i>	7.13E-05	3.58534575	5.034182519	1.448836769
<i>Vill</i>	2.03E-07	3.57612563	4.788363085	1.212237455
<i>Vill</i>	1.03E-05	2.236484967	5.59999197	3.363507002
<i>Vill</i>	0.00017429	3.105344755	5.030191524	1.924846769
<i>Vill</i>	2.96E-05	3.472436061	4.57006554	1.09762948
<i>Vill</i>	0.001266367	2.52381431	4.790654849	2.266840538
<i>Vill</i>	7.61E-06	3.389115368	4.930767771	1.541652403
<i>Vill</i>	5.85E-05	3.203934865	5.105562127	1.901627262
<i>Vill</i>	3.22E-05	1.85401086	5.689385952	3.835375093
<i>Vim</i>	2.41E-06	1.380904275	11.62352905	10.24262477
<i>Vipr2</i>	0.008561456	-1.06878183	2.661632607	3.730414438
<i>Vmn1r199</i>	0.032335558	1.049537286	3.80346595	2.753928665
<i>Vmn1r212</i>	0.001063151	-1.076675874	3.88770582	4.964381694
<i>Vmn1r66</i>	0.006741164	-2.041232304	1.905070916	3.94630322
<i>Vmn2r120</i>	0.007328496	1.47233256	4.600960303	3.128627743
<i>Vps39</i>	0.003677528	-1.401769196	4.388211208	5.789980403
<i>Vsir</i>	0.000249067	1.303678103	7.377420183	6.07374208
<i>Vtcn1</i>	2.16E-07	3.513040679	7.653350071	4.140309392
<i>Was</i>	0.001538698	1.605516009	4.383835499	2.77831949
<i>Wbscr27</i>	1.54E-05	-1.783072495	5.634441646	7.417514141
<i>Wbscr27</i>	0.000204239	-1.509510846	5.923151852	7.432662698
<i>Wbscr27</i>	3.40E-05	-1.34527232	6.045486911	7.390759231
<i>Wbscr27</i>	0.000411566	-1.436686516	5.704998339	7.141684855
<i>Wbscr27</i>	7.75E-05	-1.706493288	5.850870697	7.557363985

<i>Wbscr27</i>	0.000583788	-1.520348625	5.675154138	7.195502763
<i>Wbscr27</i>	0.000192496	-1.672006744	5.698071857	7.3700786
<i>Wbscr27</i>	3.03E-05	-1.521029108	5.859331287	7.380360396
<i>Wbscr27</i>	6.07E-05	-1.448676555	5.874557973	7.323234528
<i>Wbscr27</i>	2.74E-05	-1.503995548	5.82894146	7.332937007
<i>Wbscr27</i>	0.000164134	-1.238878777	6.095282341	7.334161117
<i>Wbscr27</i>	0.000346776	-1.688420893	5.706611043	7.395031935
<i>Wbscr27</i>	0.000480168	-1.464927217	5.808561689	7.273488906
<i>Wbscr27</i>	5.93E-05	-1.590148644	5.795557349	7.385705993
<i>Wdfy4</i>	9.03E-05	1.326720696	5.583057057	4.256336361
<i>Wdfy4</i>	0.000167164	1.629232184	5.569537956	3.940305772
<i>Wdfy4</i>	0.000317825	1.464313552	5.759161714	4.294848162
<i>Wdfy4</i>	0.000147552	1.57648143	5.526257589	3.949776159
<i>Wdfy4</i>	0.000168231	1.42865455	5.558022497	4.129367947
<i>Wdfy4</i>	6.02E-05	1.579735774	5.797128481	4.217392707
<i>Wdr27</i>	6.59E-05	1.061360421	7.189889252	6.128528831
<i>Wdr86</i>	0.001002733	-1.409431134	2.434631242	3.844062376
<i>Wdr86</i>	0.007185917	-1.618441998	2.355538727	3.973980725
<i>Wdr92</i>	0.00140299	2.18703258	14.50416706	12.31713448
<i>Wfdc17</i>	0.000111769	1.1085393	8.828375529	7.719836229
<i>Wfdc3</i>	0.021684647	1.667488572	3.798777701	2.131289129
<i>Wfdc3</i>	9.86E-05	2.155477126	3.962865067	1.807387941
<i>Wfdc3</i>	0.000318016	2.471791571	4.284918987	1.813127416
<i>Wfdc3</i>	9.15E-05	2.737519723	4.0714208	1.333901076
<i>Wnt4</i>	0.000341485	1.98563454	4.456020394	2.470385854
<i>Wrb</i>	3.66E-05	-1.062739275	5.3994322	6.462171476
<i>Xaf1</i>	6.70E-05	1.178664523	6.968799174	5.790134651
<i>Xaf1</i>	0.000102201	1.334172661	7.161866705	5.827694044
<i>Xaf1</i>	7.96E-06	1.11520075	6.875437295	5.760236545
<i>Xaf1</i>	3.67E-05	1.186497793	7.00855678	5.822058988
<i>Xdh</i>	0.000334677	1.321207136	8.947180944	7.625973808
<i>Xkr9</i>	0.00025724	-2.015126944	1.546406118	3.561533062
<i>Ybx2</i>	2.84E-05	-3.346016712	3.03815808	6.384174792
<i>Ybx2</i>	7.84E-07	-3.043205145	3.268120257	6.311325403
<i>Ybx2</i>	0.000160909	-3.08153584	3.203954343	6.285490184
<i>Ybx2</i>	0.000123055	-2.969556502	3.475142559	6.444699061
<i>Ybx2</i>	0.000114861	-3.303478265	3.094670021	6.398148286
<i>Zbp1</i>	6.79E-06	1.479349279	6.941852747	5.462503468
<i>Zbtb46</i>	0.000520371	1.412751718	5.832094436	4.419342718
<i>Zc3h12d</i>	0.009052054	1.469791772	3.85246174	2.382669968
<i>Zc3h12d</i>	0.013088563	1.559911859	4.033890749	2.47397889
<i>Zc3h12d</i>	0.000288049	1.38438927	4.515352543	3.130963273
<i>Zc3h6</i>	6.45E-05	-1.040445724	5.823764073	6.864209797
<i>Zcchc18</i>	0.011187593	1.286866606	3.561709193	2.274842588
<i>Zfand4</i>	0.000151314	1.370269222	7.930162153	6.559892932
<i>Zfhx2</i>	4.23E-07	1.022683445	10.13613234	9.113448899

Zfhx2	6.69E-06	1.038390851	10.09047292	9.052082067
Zfp119b	0.000794238	-1.651218451	2.386148746	4.037367197
Zfp2	0.000982268	1.404962491	5.254766526	3.849804035
Zfp2	0.012513862	1.21009554	4.794495667	3.584400128
Zfp286	0.014253952	-1.323458282	1.938960174	3.262418455
Zfp292	0.000441461	-1.218310279	4.078109235	5.296419514
Zfp316	5.17E-05	-1.460513419	3.649815413	5.110328832
Zfp316	0.000217272	-1.266807217	3.828290856	5.095098073
Zfp346	9.29E-05	-1.090663818	4.095591483	5.1862553
Zfp40	0.017826544	-1.004937848	4.671110427	5.676048275
Zfp473	0.016778618	1.071069605	3.490807906	2.419738301
Zfp473	0.010604445	1.121148843	4.073110754	2.951961911
Zfp474	0.00237683	1.115245026	3.959052421	2.843807395
Zfp532	0.000503302	1.136184514	6.481036203	5.344851689
Zfp532	0.001867733	1.04352765	6.352131466	5.308603816
Zfp532	0.000586613	1.056385395	6.48840809	5.432022695
Zfp532	0.000169584	1.187748922	6.383544438	5.195795516
Zfp532	0.000398341	1.081862265	6.41381533	5.331953065
Zfp532	0.001436637	1.089901591	6.498269125	5.408367535
Zfp532	0.002177944	1.032690519	6.292023391	5.259332872
Zfp532	0.001472725	1.054546938	6.365570977	5.311024039
Zfp532	1.88E-05	1.155028667	7.855249283	6.700220616
Zfp532	2.21E-05	1.09308315	7.83624708	6.743163929
Zfp532	0.000284526	1.134305299	6.528845542	5.394540244
Zfp532	0.000680601	1.044683318	6.515319908	5.47063659
Zfp57	0.000228246	1.065731495	5.334564363	4.268832868
Zfp618	0.030653571	-1.179152433	3.450852747	4.630005181
Zfp618	0.000590361	-1.035653122	3.297374921	4.333028042
Zfp811	0.010599945	1.67527154	3.469280809	1.794009269
Zfp819	0.001107773	1.674310648	4.513694431	2.839383783
Zfp831	0.000785904	-1.162587821	5.44164639	6.604234211
Zfp90	1.38E-06	1.372987159	8.534981342	7.161994184
Zfp93	8.72E-06	-1.110095007	4.029281177	5.139376184
Zfp93	3.23E-05	-1.427388965	3.764859502	5.192248468
Zfp941	1.17E-06	-1.507434584	2.075695226	3.583129811
Zfp945	0.01550379	-1.503742503	1.986616574	3.490359077
Zfp950	0.01570975	1.124770267	3.666285361	2.541515094
Zgrf1	4.35E-05	1.23940178	5.675948811	4.436547031
Zgrf1	0.000511006	1.080750024	5.637636008	4.556885984
Zgrf1	0.012317657	1.13293135	4.832209336	3.699277986
Zgrf1	0.002741799	1.163870025	4.972269906	3.808399881
Zgrf1	5.95E-05	1.447031344	4.854157133	3.407125789
Zgrf1	2.51E-05	1.273292476	5.700693924	4.427401448
Zmynd15	0.000179842	1.402658217	5.155624996	3.752966778
Zmynd15	0.000694847	1.333202157	5.189674684	3.856472527
Zmynd15	0.003287247	1.002735508	4.98374204	3.981006532

<i>Zmynd15</i>	0.00079031	1.316848643	5.273267593	3.956418951
<i>Zmynd15</i>	3.70E-05	1.602205188	5.172227169	3.570021981
<i>Zmynd15</i>	0.000139613	1.169040008	6.289916529	5.120876522
<i>Zscan5b</i>	0.011427448	2.238065182	4.601033413	2.362968231
<i>Zscan5b</i>	0.000569548	1.9075127	4.670816772	2.763304072

lncRNA, long non-coding RNA; FC, fold change; P vs. C, chronic non-bacteria prostatitis vs. control

Supplementary Table S6. Differentially expressed long non-coding RNAs (lncRNAs) between prostate tissues derived from chronic non-bacteria prostatitis and negative controls.

GeneSymbol	P-value (P_vs_C)	log2FC (P_vs_C)	Regulation (P_vs_C)	Case_mean (P_vs_C)	Control_mean (P_vs_C)
1110002O04Rik	0.00017458	-1.915493901	down	3.138809923	5.054303824
1110002O04Rik	0.00085096	-1.717223489	down	2.997298734	4.714522223
1700018L02Rik	0.000449484	-1.113831762	down	4.943467405	6.057299167
1700027J07Rik	1.75E-06	-1.114443942	down	3.884412232	4.998856175
1700028B04Rik	6.00E-05	-1.768168428	down	5.805301136	7.573469564
1700028D13Rik	0.001568241	-1.360997524	down	2.581905909	3.942903434
1700062C10Rik	1.56E-07	-1.179832725	down	8.155461291	9.335294016
1700080G11Rik	7.38E-06	1.239446737	up	6.59807504	5.358628303
1700081B01Rik	0.000968336	-2.034480368	down	2.002189385	4.036669753
1700081B01Rik	0.00299068	-2.11403025	down	1.484656577	3.598686827
1700086P04Rik	0.00098862	-1.174310337	down	2.463031222	3.637341559
1700095B10Rik	1.49E-05	1.017947579	up	9.124110539	8.10616296
1700102H20Rik	8.29E-07	-1.116888126	down	6.452048996	7.568937122
1700112N08Rik	0.000216954	1.353471931	up	6.582554639	5.229082708
2010203P06Rik	0.003948462	1.843015165	up	3.944706781	2.101691617
2010204K13Rik	0.00143618	-1.370852158	down	3.143855644	4.514707801
2210414B05Rik	0.000914491	-1.333079357	down	3.068210557	4.401289914
2310043O21Rik	3.36E-05	1.037804576	up	7.748027282	6.710222707
2610027F03Rik	0.001165634	-2.016924619	down	1.53876833	3.555692949
2810039B14Rik	0.006103015	-1.7245577	down	3.336956502	5.061514202
2900079G21Rik	1.94E-05	-1.218267526	down	4.508249839	5.726517365
4732471J01Rik	2.58E-05	-1.097645012	down	5.344468535	6.442113547
4833427F10Rik	0.00034822	-1.231361982	down	5.583052374	6.814414356
4833427F10Rik	9.54E-06	-1.188307226	down	5.675265713	6.863572939
4833427F10Rik	8.69E-05	-1.042109215	down	5.862115896	6.904225111
4930402F11Rik	1.75E-05	1.464755833	up	8.540064214	7.075308381
4930405L22Rik	1.27E-05	-1.032062706	down	4.30912058	5.341183285
4930406D18Rik	0.021680458	-1.435064223	down	1.945066374	3.380130596
4930417H01Rik	0.000185723	1.301569874	up	4.872507551	3.570937676
4930417H01Rik	0.001803694	1.231798792	up	3.984535006	2.752736214
4930428E07Rik	0.000400691	-1.681019595	down	2.593788971	4.274808565
4930432J09Rik	2.05E-06	1.420658798	up	8.266568309	6.845909511
4930434B07Rik	0.000250123	-1.248171943	down	3.157348163	4.405520106
4930438E09Rik	0.000946204	-1.597487843	down	3.557051719	5.154539562
4930448K20Rik	0.000838482	-1.069015379	down	4.345683703	5.414699082
4930449C09Rik	0.010467067	-1.165536898	down	3.455446465	4.620983364
4930465K10Rik	0.000274146	-1.609590064	down	2.354247521	3.963837584
4930483K19Rik	0.000269757	-1.433882804	down	4.457692827	5.891575631
4930487D11Rik	0.000741713	-1.427441159	down	4.192472403	5.619913562
4930512J16Rik	1.36E-05	1.16296432	up	8.946816005	7.783851685
4930533B01Rik	0.001807776	-1.138134189	down	5.050335541	6.18846973
4930546K05Rik	0.000745666	-1.396292313	down	3.53159708	4.927889393
4930562F17Rik	0.000776233	-1.348283247	down	3.917538549	5.265821795
4930570E03Rik	0.014430563	-1.170226067	down	4.067788468	5.238014535
4930572G02Rik	0.036089789	-1.435847083	down	3.225445854	4.661292937
4933400A11Rik	0.000128406	-1.638624314	down	2.503711219	4.142335533
4933431J24Rik	0.020591803	-1.132123466	down	2.633412015	3.765535481
4933436H12Rik	0.002344931	1.156775599	up	5.283120248	4.126344648
5730420D15Rik	0.000462861	-1.205114611	down	3.973842547	5.178957158
5730420D15Rik	0.003952813	-1.357569943	down	4.067255747	5.42482569
6530402F18Rik	6.39E-05	1.028156138	up	5.703803311	4.675647173
8430419K02Rik	0.001272276	-1.021667055	down	4.067449333	5.089116388
8430430B14Rik	0.001445454	-1.303932445	down	3.210739812	4.514672257
9530027J09Rik	2.76E-05	1.286301679	up	5.823285058	4.53698338
A230077H06Rik	1.50E-06	-1.305256632	down	4.670100976	5.975357608

A230107N01Rik	0.02191052	1.03347471	up	5.185714836	4.152240126
A330040F15Rik	0.009963622	-1.376263308	down	3.180038224	4.556301532
A330041J22Rik	0.000833232	-1.590063972	down	4.340920456	5.930984428
A530001N23Rik	6.67E-05	-1.284489294	down	4.773725082	6.058214376
A630034I12Rik	0.00380807	1.171417208	up	5.549844271	4.378427063
A630034I12Rik	0.002530591	1.227979075	up	5.449176043	4.221196969
A630034I12Rik	0.00648185	1.057515453	up	5.594698475	4.537183022
A630034I12Rik	0.011529018	1.051099896	up	5.318993365	4.267893469
A730020M07Rik	0.00737483	-1.001229638	down	2.837222595	3.838452233
A930001C03Rik	0.000219364	1.712852831	up	4.059525199	2.346672369
A930038B10Rik	0.001094839	-1.058260088	down	3.333900582	4.39216067
AA387883	0.019814167	-1.136374771	down	2.441289866	3.577664637
AI662270	0.001299527	1.297877325	up	5.75431148	4.456434155
AI662270	5.44E-06	1.608979318	up	5.981336699	4.372357381
AI662270	7.09E-06	1.380622517	up	5.80987219	4.429249673
AI662270	4.74E-07	1.585786881	up	5.678385754	4.092598873
AV064505	1.07E-05	1.335500855	up	9.384823615	8.049322759
AW112010	8.81E-06	2.133265463	up	6.389986806	4.256721343
AW822252	0.000130877	-1.101485598	down	7.802586506	8.904072104
Aim	0.001300699	-1.207760588	down	2.620191019	3.827951607
Aim	0.032827596	-1.539940388	down	2.206932717	3.746873106
B230307C23Rik	3.08E-05	-1.192070101	down	6.824488587	8.016558689
BC018473	0.000265175	1.68551675	up	6.37090761	4.68539086
BC051226	0.000932433	-1.08034876	down	6.952317646	8.032666406
BC051226	0.000390252	-1.093095423	down	6.818587397	7.91168282
BC051226	0.000363048	-1.054911856	down	6.974827584	8.02973944
C230014O12Rik	0.014062697	-1.1198502	down	2.363649204	3.483499404
C330004P14Rik	4.67E-05	-1.807555191	down	1.79967382	3.607229011
Dleu2	0.001008049	1.480102626	up	10.68257685	9.202474226
E130018O15Rik	8.93E-05	-1.603116767	down	1.796995618	3.400112385
E130201H02Rik	0.002341915	-1.185545812	down	1.995182964	3.180728776
E230029C05Rik	0.012118392	1.839826204	up	3.942831147	2.103004943
E230029C05Rik	0.003182243	2.117543668	up	4.229875811	2.112332143
E330011O21Rik	0.000221755	-1.489663035	down	4.360477778	5.850140814
F630028O10Rik	1.05E-05	1.359177835	up	6.202334999	4.843157164
F630040K05Rik	0.004659813	-2.032469799	down	1.796561874	3.829031672
Fmpd1os	1.26E-05	-1.150875752	down	5.145929841	6.296805593
Gm10258	0.025303712	1.045024932	up	4.497311658	3.452286726
Gm10510	0.047676593	-1.050680638	down	3.391560069	4.442240707
Gm10536	0.00034319	-1.866983479	down	2.530209837	4.397193316
Gm1070	0.006393076	1.311172245	up	10.23230144	8.921129194
Gm11210	0.000326615	-1.527714785	down	3.127051047	4.654765831
Gm11337	5.24E-07	-1.081793061	down	6.527668391	7.609461452
Gm11419	0.009084883	-1.022680941	down	3.61612057	4.638801511
Gm11426	1.60E-06	-1.452517368	down	5.019684519	6.472201887
Gm11844	0.010145423	1.018960692	up	7.412237238	6.393276546
Gm11978	2.89E-06	-3.283631564	down	6.106064346	9.38969591
Gm11999	1.97E-07	-2.924210707	down	2.388166835	5.312377542
Gm12031	0.03331369	1.252597992	up	3.175329341	1.922731349
Gm12188	0.001317521	1.09109919	up	11.83384813	10.74274895
Gm12248	0.035762349	-1.529568958	down	2.481985821	4.011554779
Gm12315	0.000126435	-1.21621259	down	4.904960128	6.121172718
Gm12315	0.000226773	-1.045834266	down	4.927438001	5.973272267
Gm12354	0.005417048	-1.00170344	down	4.839153484	5.840856924
Gm12405	0.005268138	-1.509136813	down	2.009094733	3.518231547
Gm12602	0.009885294	1.580838831	up	3.627085047	2.046246216
Gm12602	0.002717992	1.907147283	up	3.531454407	1.624307124
Gm12693	0.007692989	-1.22463851	down	1.875028084	3.099666594

Gm12830	6.61E-06	-1.100678949	down	3.837652048	4.938330997
Gm13269	0.001096022	-1.334494281	down	3.950932129	5.28542641
Gm13790	0.000198117	-1.187955289	down	6.051443771	7.23939906
Gm13816	0.000103251	-1.065416195	down	4.623648933	5.689065128
Gm14051	8.66E-05	-1.710154251	down	4.01533571	5.725489961
Gm14199	0.001143705	-1.015497915	down	3.165844964	4.181342879
Gm14244	0.01821161	-1.408436176	down	2.183977797	3.592413973
Gm14342	5.41E-05	-1.461689032	down	3.40448304	4.866172072
Gm14707	0.000310446	-1.355839234	down	3.150222337	4.506061571
Gm15320	0.003425928	1.311769988	up	6.5157867	5.204016713
Gm15320	0.007875104	1.107615025	up	6.388569328	5.280954303
Gm15320	0.005866265	1.116642663	up	6.37563952	5.258996856
Gm15389	0.000343825	-1.161463421	down	3.222677152	4.384140573
Gm15471	0.002679061	-1.018804828	down	3.019086122	4.03789095
Gm15523	0.004433317	1.068846075	up	4.74894444	3.680098364
Gm15523	0.007142247	1.076331102	up	4.606281619	3.529950518
Gm15523	6.93E-05	1.57684183	up	4.929039579	3.352197749
Gm15569	0.000160693	-1.046501691	down	3.609348042	4.655849733
Gm15645	0.000104819	-1.654978788	down	2.968967665	4.623946453
Gm15669	0.013585665	1.052785776	up	4.847059716	3.79427394
Gm15802	0.028479774	-1.029843851	down	3.496125691	4.525969542
Gm16835	0.000224316	1.098609382	up	4.742650428	3.644041046
Gm16984	1.32E-05	-1.317203629	down	4.853425604	6.170629233
Gm17116	2.95E-05	-1.206045385	down	6.77199214	7.978037525
Gm17399	0.029754034	-1.460294993	down	2.088993191	3.549288184
Gm17619	3.69E-05	-1.121054458	down	5.382468172	6.50352263
Gm17746	2.80E-06	-1.450171475	down	2.12919101	3.579362486
Gm17830	0.00170106	-1.705307501	down	1.554915764	3.260223265
Gm19705	0.000304903	-2.362414659	down	3.73138023	6.09379489
Gm19705	0.003728727	-1.958501341	down	4.00636335	5.964864691
Gm19708	0.000388034	-1.225860501	down	4.489116563	5.714977064
Gm19784	0.000535203	-2.502925718	down	1.427997009	3.930922727
Gm20149	0.000815416	-1.903401382	down	2.755814894	4.659216277
Gm20356	4.21E-05	-1.083082904	down	4.950211496	6.0332944
Gm20627	0.000845697	1.211192502	up	5.339139952	4.12794745
Gm20740	6.12E-05	-1.883879297	down	2.718578524	4.602457821
Gm20756	0.032754737	-1.185300163	down	2.346811641	3.532111804
Gm2560	0.000430121	-1.172980568	down	4.490021466	5.663002033
Gm26555	0.038922922	-1.195422641	down	3.477006963	4.672429604
Gm26555	0.015287164	-1.018171026	down	3.384936229	4.403107256
Gm26555	0.002631849	-1.092454528	down	3.18038014	4.272834668
Gm26559	0.02221183	-1.025089298	down	4.24838395	5.273473248
Gm26564	3.41E-05	-1.431671552	down	8.243561586	9.675233138
Gm26618	0.031102235	1.236224525	up	4.148162182	2.911937658
Gm26748	0.000138744	-1.337012346	down	2.203750133	3.540762479
Gm26800	5.10E-06	-3.216251371	down	1.629128587	4.845379958
Gm26911	0.013614714	-1.251566823	down	2.886028762	4.137595584
Gm28167	0.038018921	-1.406186098	down	2.700545347	4.106731445
Gm2824	1.49E-05	-1.30867966	down	3.95029332	5.25897298
Gm2848	1.39E-05	-1.001385337	down	7.156118187	8.157503525
Gm28782	0.000316915	-1.843538305	down	3.973669935	5.817208241
Gm28888	0.003361958	-1.970228474	down	2.042484979	4.012713453
Gm28888	0.033165306	-1.382088676	down	1.986250695	3.368339371
Gm28979	0.001876386	-1.030339047	down	4.513790507	5.544129555
Gm29230	0.000241247	-1.184112899	down	8.381123737	9.565236636
Gm29514	3.04E-06	-1.2190536	down	9.462377835	10.68143144
Gm29514	1.06E-06	-1.228360172	down	9.431692255	10.66005243
Gm29681	5.74E-05	-1.493495233	down	4.0769486	5.570443833

Gm29684	1.29E-05	-1.957427402	down	3.89581033	5.853237732
Gm29711	0.004699458	1.33501878	up	4.336373276	3.001354496
Gm29711	0.000867011	1.420746701	up	3.702897347	2.282150647
Gm29870	0.00261854	-1.729573227	down	2.817569153	4.54714238
Gm29886	2.37E-05	1.102958134	up	9.738883928	8.635925794
Gm29886	0.000253075	1.396604607	up	9.215274629	7.818670021
Gm29897	0.020359755	-1.052049834	down	2.667729747	3.719779582
Gm29901	0.016914864	1.165294937	up	3.81601622	2.650721283
Gm30055	0.030088457	1.021354706	up	4.525377008	3.504022302
Gm30063	0.001599654	1.344069906	up	4.108880209	2.764810303
Gm30063	0.001679487	1.154557042	up	3.977040535	2.822483493
Gm30063	0.011542525	1.135602911	up	4.289001759	3.153398848
Gm30064	0.020306863	-1.473723955	down	2.590156306	4.063880261
Gm30075	0.003034505	-1.147241954	down	2.39932217	3.546564124
Gm30076	2.17E-05	-1.052064571	down	5.095733802	6.147798373
Gm30091	1.75E-05	-1.403007031	down	6.027734074	7.430741104
Gm30113	3.82E-05	-1.077758032	down	8.595064287	9.672822319
Gm30145	0.000348889	-1.89509723	down	1.619213579	3.514310809
Gm30173	0.001508362	1.018788843	up	4.446900324	3.428111481
Gm30173	0.012914742	1.021931478	up	4.424277118	3.40234564
Gm30213	0.004264577	-1.140068575	down	4.084779704	5.22484828
Gm30213	0.003154867	-1.216008655	down	4.103732664	5.319741319
Gm30235	0.027229389	-1.050592015	down	3.60237627	4.652968285
Gm30256	0.027199047	-1.474287956	down	2.020930818	3.495218773
Gm30256	0.002881099	-1.101763116	down	2.822157954	3.92392107
Gm30263	6.74E-07	-1.169157397	down	4.585458481	5.754615878
Gm30301	1.03E-05	-1.055670651	down	4.487892025	5.543562676
Gm30303	2.30E-07	-1.585955223	down	3.867635108	5.453590331
Gm30321	0.047034181	-1.304403886	down	2.736151601	4.040555487
Gm30339	0.001574869	1.019748953	up	3.512769527	2.493020574
Gm30362	0.002763127	-1.005547834	down	5.337455046	6.343002881
Gm30388	0.000196133	1.391367619	up	7.61668805	6.225320431
Gm30388	6.90E-05	1.398611021	up	7.508367826	6.109756805
Gm30402	0.000527438	-1.918938857	down	2.439790755	4.358729612
Gm30402	0.002192829	-2.247207955	down	2.065366049	4.312574004
Gm30427	0.00181906	1.40510608	up	3.798904381	2.393798301
Gm30439	6.21E-05	-1.431764496	down	4.460131011	5.891895506
Gm30444	0.005169344	-1.025176367	down	2.727284776	3.752461143
Gm30446	0.015411512	1.020190341	up	5.694216646	4.674026305
Gm30446	0.013493506	1.037338025	up	9.643014463	8.605676438
Gm30446	0.000488508	1.168016998	up	9.57365657	8.405639572
Gm30459	0.000631529	-1.344145637	down	5.618418678	6.962564315
Gm30470	0.028787903	1.225634456	up	5.647862905	4.42222845
Gm30528	0.00743445	1.833043754	up	10.21602951	8.38298576
Gm30528	4.56E-06	1.445045598	up	11.29271296	9.847667358
Gm30532	0.010597347	1.424129271	up	3.609315253	2.185185982
Gm30577	0.000128934	1.483408869	up	5.712217114	4.228808245
Gm30585	0.005797113	-1.031355849	down	3.402073142	4.433428991
Gm30604	0.002531705	1.000078309	up	6.869718487	5.869640178
Gm30608	0.000569112	-1.056807367	down	5.33969096	6.396498326
Gm30609	4.88E-06	-1.158674167	down	3.635395441	4.794069607
Gm30654	0.046921178	-1.195594974	down	2.428511596	3.62410657
Gm30754	0.003497117	-1.543941939	down	1.728940461	3.2728824
Gm30769	1.90E-06	-1.411044846	down	3.964739155	5.375784001
Gm30784	0.000622331	-1.09953071	down	4.380270781	5.479801491
Gm30788	1.25E-06	-1.021520914	down	5.391778288	6.413299202
Gm30821	0.038567064	-1.132200907	down	2.586742782	3.718943689
Gm30842	3.19E-05	-1.004247586	down	4.462394383	5.466641969

Gm30954	0.000595184	1.159543107	up	6.753151903	5.593608795
Gm31064	0.000594841	-1.016706296	down	5.691014766	6.707721062
Gm31089	0.001570867	1.241364847	up	5.549044787	4.30767994
Gm31089	0.001076659	1.083154721	up	5.729660585	4.646505863
Gm31129	0.002789995	1.060486255	up	8.104264486	7.043778231
Gm31145	8.76E-05	-1.294484928	down	4.330821849	5.625306777
Gm31145	3.57E-06	-1.376045332	down	4.299774903	5.675820235
Gm31145	0.001789102	-1.245767473	down	4.447951484	5.693718957
Gm31145	1.47E-05	-1.338420637	down	4.417983882	5.756404519
Gm31145	0.000488302	-1.384673482	down	4.270422968	5.65509645
Gm31145	0.004863269	-1.466216446	down	4.212583732	5.678800178
Gm31145	0.000263021	-1.360919698	down	4.323218969	5.684138667
Gm31146	0.002297774	-1.338784966	down	2.494749542	3.833534508
Gm31146	0.001221116	-1.704580572	down	1.847884166	3.552464738
Gm31159	0.000211117	1.353556989	up	7.179656421	5.826099432
Gm31159	0.005184031	2.067460424	up	6.353284226	4.285823802
Gm31161	0.001643252	-1.008031924	down	6.232339611	7.240371535
Gm31204	0.040028815	-1.187880673	down	2.571075459	3.758956132
Gm31204	0.020859733	-1.52224399	down	2.322728799	3.844972789
Gm31234	0.007496503	-1.438080596	down	2.575313198	4.013393795
Gm31261	0.001519741	-1.196847913	down	3.611430217	4.80827813
Gm31268	0.000416462	-1.29668938	down	3.141944479	4.438633859
Gm31268	0.002456507	-1.299691783	down	3.160677726	4.460369509
Gm31278	0.002728478	-1.279979061	down	3.760563286	5.040542347
Gm31370	0.004566815	-1.099365949	down	2.363046567	3.462412516
Gm31490	0.003171519	-1.20586832	down	2.80521554	4.01108386
Gm31504	0.003611147	-1.172239098	down	2.629522098	3.801761196
Gm31518	0.00333794	-1.622901747	down	2.00484557	3.627747316
Gm31518	6.31E-07	-2.90179653	down	1.051186963	3.952983494
Gm31518	5.36E-06	-2.690460319	down	1.114957832	3.805418151
Gm31518	1.58E-05	-3.033532652	down	1.183391073	4.216923725
Gm31522	0.00094373	1.148937061	up	6.501233385	5.352296324
Gm31522	0.000549961	1.043587364	up	6.305851449	5.262264085
Gm31522	0.001966976	1.010313067	up	6.350680319	5.340367251
Gm31550	1.20E-05	1.027340312	up	11.74478454	10.71744423
Gm31552	0.007043767	-1.145228649	down	4.011228556	5.156457204
Gm31637	5.78E-05	-1.628603592	down	4.434662744	6.063266336
Gm31652	0.034925219	1.267279355	up	4.882092813	3.614813458
Gm31724	0.000316059	-1.083786318	down	3.758179265	4.841965583
Gm31847	0.000355077	1.497725545	up	3.279482551	1.781757007
Gm31901	0.000402292	-1.159517823	down	5.329793668	6.48931149
Gm31901	0.000846888	-1.108725216	down	5.287829689	6.396554904
Gm31901	2.83E-05	-1.160749036	down	5.255165378	6.415914414
Gm31986	0.022185271	-1.637091772	down	2.210148436	3.847240208
Gm31992	0.010770597	-1.173275054	down	3.936737964	5.110013018
Gm32003	0.00161602	-1.079756643	down	4.141536821	5.221293465
Gm32055	0.003717967	-1.213609269	down	2.391161625	3.604770894
Gm32209	0.001520269	-1.155936458	down	3.430700961	4.586637419
Gm32209	0.000939532	-1.313178721	down	3.43411506	4.747293782
Gm32213	0.000119479	-1.116709246	down	5.366399049	6.483108295
Gm32219	0.001574785	1.347705602	up	4.611101739	3.263396137
Gm32219	0.00087053	1.355528695	up	4.462180777	3.106652083
Gm32243	0.000116455	1.020859537	up	7.531279409	6.510419872
Gm32245	0.003951979	-1.340290937	down	2.581057323	3.92134826
Gm32245	0.044075496	-1.305311279	down	2.504722939	3.810034217
Gm32283	0.00112446	-1.347971491	down	6.056013626	7.403985117
Gm32293	0.000135385	-1.551200431	down	4.191394489	5.742594921
Gm32293	0.000924419	-1.3493224	down	4.351796793	5.701119193

Gm32352	0.001213227	-1.370765696	down	2.465036252	3.835801948
Gm32377	0.000132341	-1.23262161	down	4.67684164	5.909463249
Gm32429	6.65E-06	1.28257623	up	7.957245732	6.674669502
Gm32432	0.002994941	-1.518350758	down	3.804996169	5.323346928
Gm32461	0.034846379	1.378661148	up	3.304558844	1.925897696
Gm32502	4.35E-06	-1.109980671	down	4.271126221	5.381106891
Gm32547	0.00272405	-1.140364488	down	3.391953228	4.532317716
Gm32576	0.004395695	-1.766290049	down	1.97125295	3.737542999
Gm32650	0.017159848	-1.104485154	down	3.504908853	4.609394006
Gm32651	1.90E-05	-1.105371979	down	5.403908113	6.509280092
Gm32684	0.006951476	-1.655726022	down	1.96762633	3.623352352
Gm32695	0.000759163	-1.451983056	down	4.019435064	5.47141812
Gm32707	0.000144928	-1.044070386	down	5.101413186	6.145483572
Gm32749	0.003679734	-1.071646731	down	3.319420161	4.391066892
Gm32762	2.52E-06	-1.518902302	down	8.084462407	9.603364709
Gm32772	0.006641283	-1.070527333	down	4.474799134	5.545326467
Gm32776	0.006862933	-1.150230436	down	2.159259122	3.309489558
Gm32793	0.022193974	-1.593680242	down	1.702201038	3.29588128
Gm32798	2.93E-05	-1.466849082	down	2.437641828	3.90449091
Gm32840	4.34E-06	1.625969978	up	8.901792686	7.275822708
Gm32846	0.000230448	-1.268310116	down	2.879936493	4.14824661
Gm32931	0.000470807	1.355420248	up	5.108580309	3.753160062
Gm32931	6.35E-05	2.045429332	up	5.244284426	3.198855093
Gm32931	0.001030088	1.085056303	up	5.229244596	4.144188293
Gm32957	0.002790714	-1.267104478	down	2.429400628	3.696505106
Gm32969	0.003581186	1.390575384	up	5.172337873	3.781762489
Gm32998	0.002548336	-1.16259298	down	4.501997925	5.664590906
Gm33023	0.021028834	1.78499151	up	3.501115411	1.716123901
Gm33027	0.000117547	-1.257397833	down	3.995544261	5.252942094
Gm33027	0.000152629	-1.404525353	down	3.868994381	5.273519734
Gm33027	4.41E-05	-1.200200934	down	4.177187686	5.37738862
Gm33106	0.012130127	-1.672241835	down	1.976957392	3.649199227
Gm33109	3.56E-06	-1.519382626	down	6.578911231	8.098293857
Gm33125	0.024856362	-1.121669034	down	4.397050512	5.518719547
Gm33180	2.56E-05	-1.217258056	down	11.16476085	12.38201891
Gm33204	0.030634711	-1.038899988	down	3.104538453	4.143438441
Gm33239	0.023401204	-1.814739335	down	2.435717663	4.250456998
Gm33318	0.001779933	-1.293310265	down	3.652343352	4.945653617
Gm33318	0.002621215	-1.124086606	down	3.580315507	4.704402113
Gm33333	0.026971196	-1.055368043	down	3.10722117	4.162589213
Gm33336	6.91E-06	1.604771217	up	9.309433815	7.704662598
Gm33368	0.000278393	-1.182134863	down	4.489048755	5.671183618
Gm33389	0.011980259	-1.052246319	down	2.962368306	4.014614625
Gm33389	0.002132546	-1.826988353	down	2.222576435	4.049564788
Gm33413	3.67E-06	-1.321312446	down	5.500355456	6.821667901
Gm33430	0.000418583	-1.339713251	down	4.39474449	5.734457741
Gm33430	0.00077565	-1.282363644	down	4.540174296	5.82253794
Gm33450	0.036769355	-1.09420304	down	3.139702978	4.233906018
Gm33470	0.001490986	-2.078073983	down	2.15349277	4.231566753
Gm33470	0.001401831	-1.772184006	down	2.427318164	4.199502169
Gm33508	1.64E-05	-2.263278574	down	4.329473787	6.592752361
Gm33508	2.04E-05	-2.391133694	down	4.418749222	6.809882916
Gm33524	0.039462924	1.208000456	up	5.773835987	4.56583553
Gm33524	0.000405396	1.30251754	up	6.362915344	5.060397805
Gm33551	0.004716344	-1.012838955	down	2.699750147	3.712589102
Gm33583	0.004772021	-1.008436074	down	4.136928318	5.145364392
Gm33594	0.000213052	-1.725067111	down	1.909771784	3.634838895
Gm33724	4.50E-06	1.363667299	up	10.74218658	9.378519282

Gm33733	4.32E-05	-2.269112424	down	1.69435506	3.963467485
Gm33733	0.001349665	-2.225330739	down	1.728607748	3.953938488
Gm33733	5.55E-05	-2.765240267	down	1.241273163	4.00651343
Gm33733	0.000707335	-2.493195227	down	1.43904775	3.932242977
Gm33733	0.000121296	-2.028336459	down	1.633107734	3.661444193
Gm33733	0.002808623	-2.070277014	down	1.512869592	3.583146606
Gm33733	8.57E-05	-2.63442837	down	1.373421231	4.007849601
Gm33733	0.003511588	-1.731563122	down	2.167226793	3.898789915
Gm33733	0.000159614	-2.29487541	down	1.756880713	4.051756122
Gm33747	4.30E-05	1.029004056	up	6.028996986	4.999992929
Gm33784	5.39E-05	2.485255245	up	13.61872044	11.13346519
Gm33787	0.020678006	1.08299641	up	4.758191309	3.675194899
Gm33893	0.009403492	-1.163780821	down	2.001133556	3.164914378
Gm33895	0.010972165	-1.394949388	down	2.148218816	3.543168205
Gm33895	0.037348399	1.030008902	up	5.171646321	4.141637419
Gm33944	0.001693555	-1.30901266	down	2.500762832	3.809775492
Gm34048	0.000193929	-1.245753725	down	4.491254841	5.737008567
Gm34059	0.000770679	-2.242897031	down	1.903833283	4.146730314
Gm34059	0.011435258	-1.811520379	down	2.324837747	4.136358126
Gm34069	0.025267279	-1.247212355	down	2.248705975	3.49591833
Gm34084	0.001554674	1.116598847	up	3.712436708	2.595837861
Gm34084	0.028525179	1.216730607	up	3.3091379	2.092407293
Gm34128	0.006107033	-1.479585208	down	1.927531007	3.407116215
Gm34196	0.003198964	-1.336992573	down	4.450405044	5.787397617
Gm34218	0.005174909	-1.115653535	down	2.511144814	3.626798349
Gm34276	0.044684027	1.148924083	up	4.523175047	3.374250965
Gm34289	0.000566598	-1.069247901	down	3.390921443	4.460169344
Gm34350	0.001299613	-1.518097774	down	2.988508172	4.506605946
Gm34413	0.000346718	-1.1362638	down	5.720769394	6.857033195
Gm34455	3.45E-05	1.56260576	up	7.81208098	6.24947522
Gm34459	0.001297725	-1.201507052	down	4.544787522	5.746294575
Gm34583	0.044097565	-1.286620101	down	2.74089558	4.027515682
Gm34589	0.010223899	-1.216513497	down	2.760243121	3.976756618
Gm34607	0.031631891	-1.727629801	down	2.045727899	3.7733577
Gm34619	0.015200694	-1.087015893	down	5.12185259	6.208868483
Gm34627	0.000918364	-1.30080736	down	3.654360863	4.955168222
Gm34632	0.04964786	-1.06152052	down	2.99300119	4.05452171
Gm34632	0.003428362	-1.102664864	down	2.728113888	3.830778752
Gm34641	0.005764198	-1.218305047	down	2.943846548	4.162151595
Gm34645	0.004254435	-1.247330621	down	4.051809771	5.299140392
Gm34676	5.43E-06	1.420410014	up	10.54558283	9.125172817
Gm34759	0.004160744	2.236692199	up	4.031188767	1.794496568
Gm34801	0.029533686	1.680208978	up	3.279480713	1.599271735
Gm34828	7.44E-06	-1.400702842	down	1.998471614	3.399174456
Gm34829	0.017563309	-1.660339636	down	2.361573158	4.021912794
Gm34844	0.001265923	-1.141238571	down	3.326440008	4.46767858
Gm34905	2.75E-05	-1.654955831	down	6.550831707	8.205787538
Gm35017	0.000411447	-1.144412153	down	3.633327524	4.777739677
Gm35058	0.00024617	-1.192849356	down	7.062378391	8.255227747
Gm35098	0.039656986	-1.010267107	down	2.664168824	3.674435931
Gm35161	0.000733457	-1.027360306	down	4.115311352	5.142671658
Gm35172	0.00348713	-1.695449572	down	4.255762542	5.951212115
Gm35172	0.004577986	-1.895687679	down	4.182005477	6.077693156
Gm35172	0.000334662	-1.892394158	down	4.288148504	6.180542662
Gm35172	0.000997799	-2.029750677	down	4.125975279	6.155725956
Gm35187	3.34E-05	1.055088385	up	8.105797972	7.050709588
Gm35197	4.69E-06	-1.740963998	down	4.644043532	6.385007529
Gm35216	0.001896902	-1.006158737	down	3.978807535	4.984966272

Gm35217	3.65E-05	-1.179649884	down	4.063048	5.242697884
Gm35280	0.000280394	-1.494804891	down	2.730997983	4.225802874
Gm35299	0.001407889	-1.104614315	down	5.346959021	6.451573337
Gm35305	0.003266483	-1.261788972	down	5.927618938	7.18940791
Gm35369	1.84E-05	1.030180187	up	10.47584776	9.445667569
Gm35392	0.000250479	-1.191115768	down	3.987986247	5.179102015
Gm35425	0.007896334	1.103816053	up	3.693786081	2.589970028
Gm35425	0.009311195	1.232410211	up	3.38828076	2.155870549
Gm35468	0.000218075	-1.04126138	down	4.919601048	5.960862428
Gm35507	0.016901523	-1.236686025	down	2.257956415	3.49464244
Gm35524	0.0072428	-1.068247307	down	4.198105405	5.266352712
Gm35524	0.000354425	-1.312777876	down	3.999110659	5.311888536
Gm35551	0.011374774	1.301810858	up	4.330675988	3.02886513
Gm35596	6.07E-05	2.368726462	up	8.879031917	6.510305454
Gm35596	0.000749824	1.267114384	up	7.197810935	5.930696551
Gm35596	1.91E-05	2.836484906	up	8.900152001	6.063667094
Gm35596	0.000281988	2.498559006	up	9.044875012	6.546316006
Gm35600	0.009234155	-1.498580013	down	1.638914544	3.137494557
Gm35607	0.000463395	-1.149621336	down	4.597865764	5.747487099
Gm35607	0.002991622	-1.001411235	down	4.842365959	5.843777194
Gm35621	5.31E-06	1.473829927	up	10.9197357	9.445905768
Gm35718	2.80E-05	-1.493983116	down	6.251438651	7.745421767
Gm35723	2.36E-05	-1.247673803	down	9.353830377	10.60150418
Gm35723	0.000170116	-1.331074007	down	9.083554619	10.41462863
Gm35851	0.039376947	-1.234222789	down	2.678414429	3.912637217
Gm35865	0.011260063	-1.013331581	down	2.726595155	3.739926735
Gm35908	1.27E-05	-1.301711931	down	5.623287983	6.924999914
Gm35933	8.92E-06	-1.589815289	down	4.886447227	6.476262516
Gm35933	0.00134421	-1.63580726	down	3.506495879	5.142303139
Gm35957	8.76E-05	-2.159810748	down	2.455114297	4.614925045
Gm3596	1.72E-05	1.164288606	up	8.743951319	7.579662714
Gm36012	0.000200044	1.280585037	up	9.710131255	8.429546218
Gm36048	0.004158974	1.800197808	up	3.68615797	1.885960162
Gm36062	0.002650364	-1.092840025	down	2.484074327	3.576914351
Gm36062	0.000926733	-1.809075334	down	2.002184694	3.811260028
Gm36069	0.00055644	-1.396244191	down	2.118443972	3.514688163
Gm36090	0.026275206	1.205753541	up	3.958597337	2.752843796
Gm36118	0.001404083	-1.267407049	down	4.259880718	5.527287767
Gm36129	0.011269603	-2.004069617	down	2.662686168	4.666755785
Gm36129	0.004956369	-1.255109242	down	2.864651351	4.119760593
Gm36129	0.000116055	-1.429973102	down	3.061760771	4.491733873
Gm36129	0.0002052	-1.080092275	down	3.34396672	4.424058996
Gm36129	0.0076249	-1.515123033	down	2.798383234	4.313506267
Gm36144	0.001123277	-1.598202283	down	3.108275408	4.706477691
Gm36148	0.006787697	1.372333068	up	3.63991556	2.267582492
Gm36190	0.002589899	-2.449182925	down	2.271009964	4.72019289
Gm36193	0.0032643	-1.59576194	down	2.487679703	4.083441643
Gm36213	6.63E-06	-1.850093901	down	1.751552259	3.60164616
Gm36244	0.024260942	1.270025115	up	7.672687251	6.402662136
Gm36244	0.021730243	1.326331601	up	7.777328997	6.450997396
Gm36246	0.015864484	1.239570228	up	4.575966069	3.336395841
Gm36254	5.51E-05	-1.042186928	down	6.320604805	7.362791733
Gm36284	2.17E-05	1.043084517	up	5.519553049	4.476468532
Gm36304	0.001312044	-2.449774357	down	1.744648124	4.194422481
Gm36309	0.000548443	-1.061594631	down	3.253891973	4.315486604
Gm36356	0.005370238	-1.551884945	down	2.038052655	3.589937599
Gm36357	0.00075188	-1.562628435	down	4.202041834	5.764670269
Gm36358	0.004374983	-2.295837897	down	2.624171507	4.920009404

Gm36365	0.023984076	-1.336541758	down	2.231983178	3.568524936
Gm36406	0.019056416	-1.354938334	down	2.202849276	3.557787609
Gm36406	0.004609954	-1.063471313	down	2.807920036	3.871391349
Gm36406	0.026884601	-1.183103537	down	2.48361326	3.666716797
Gm36419	0.022203349	-1.76957589	down	2.139057224	3.908633114
Gm36464	0.001253112	-1.307162287	down	3.055083162	4.362245449
Gm36464	4.87E-06	-1.614350097	down	2.711355667	4.325705764
Gm36579	0.000142028	-1.340479093	down	3.697521743	5.038000836
Gm36579	0.000667012	-1.048741458	down	4.160421292	5.20916275
Gm36579	0.004894435	-1.350855929	down	3.716509516	5.067365445
Gm36584	4.21E-05	-1.337089763	down	5.726432133	7.063521896
Gm36648	0.02093943	-1.614303832	down	3.64554278	5.259846612
Gm36675	0.000770239	-2.284482656	down	1.672626485	3.957109141
Gm36676	2.45E-06	1.375826586	up	10.15665482	8.780828233
Gm36676	0.0005207	1.121814518	up	9.9130112	8.791196682
Gm36737	1.98E-06	-1.450699743	down	4.474762228	5.925461971
Gm36737	0.000149867	-1.47600133	down	4.603450826	6.079452155
Gm36801	1.77E-06	-2.17159103	down	1.641623174	3.813214204
Gm36894	0.000729312	-1.920104856	down	2.984604709	4.904709565
Gm36894	0.000128641	-1.494073173	down	3.604356304	5.098429477
Gm3764	9.85E-07	-1.235600615	down	4.291462043	5.527062658
Gm3764	0.000843573	-1.035246188	down	4.581106221	5.61635241
Gm3764	7.10E-05	-1.062241261	down	4.505666902	5.567908163
Gm3764	0.000424952	-1.167089797	down	4.274321441	5.441411238
Gm3764	0.000385527	-1.115192583	down	4.383943201	5.499135784
Gm3764	0.007194755	-1.129501278	down	4.201909789	5.331411067
Gm3764	0.000839881	-1.15635088	down	4.209426045	5.365776925
Gm38427	2.07E-06	-1.160996604	down	3.596583213	4.757579817
Gm38506	0.011582772	1.456505483	up	7.276090149	5.819584666
Gm38542	0.001465416	-2.176666535	down	1.589403005	3.76606954
Gm38542	0.008529535	-1.531706423	down	2.026717625	3.558424048
Gm38565	0.024743856	1.134372386	up	4.335761315	3.201388928
Gm38582	3.74E-05	-1.457998157	down	8.224668888	9.682667046
Gm38598	3.05E-06	1.120066318	up	8.726189262	7.606122944
Gm38598	1.21E-05	1.071210213	up	8.628533538	7.557323326
Gm38612	0.032886646	-1.524148204	down	2.537306119	4.061454323
Gm38657	0.000160193	-1.138028048	down	4.044899808	5.182927856
Gm38759	0.000793486	-1.288097394	down	4.450635102	5.738732496
Gm38828	0.001517897	-1.292419564	down	2.978160986	4.270580549
Gm38828	0.03567171	-1.252900823	down	3.232652091	4.485552914
Gm38862	0.000111465	-1.764999888	down	1.739945012	3.5049449
Gm38864	4.56E-06	-1.051727167	down	8.13595217	9.187679337
Gm38866	0.039772267	-1.332940082	down	2.911894858	4.244834939
Gm38934	8.67E-05	-1.203973035	down	3.966105063	5.170078098
Gm38966	0.047356799	1.490643663	up	5.53725414	4.046610477
Gm38973	0.00160477	1.380785831	up	3.367633918	1.986848087
Gm39015	2.16E-05	-1.881175785	down	4.737591953	6.618767738
Gm39058	5.52E-05	-1.193670404	down	6.640274945	7.83394535
Gm39070	1.16E-05	-1.512012756	down	5.414948992	6.926961748
Gm39206	5.86E-05	-1.376946777	down	2.287907281	3.664854058
Gm39213	0.000203453	-1.427634076	down	6.444202099	7.871836175
Gm39213	7.89E-05	-1.368295201	down	6.512481216	7.880776417
Gm39221	1.91E-06	-1.055920576	down	3.61855639	4.674476966
Gm39234	4.55E-06	-1.748160866	down	7.060023941	8.808184808
Gm39234	1.17E-05	-1.720601122	down	7.221415376	8.942016498
Gm39269	0.008699797	-1.08264092	down	3.906473824	4.989114744
Gm39283	0.011822752	1.523639132	up	3.365626785	1.841987653
Gm39343	0.00271923	-1.855185158	down	3.514048115	5.369233273

Gm39380	3.82E-06	-1.501889732	down	4.916416279	6.418306011
Gm39383	1.62E-05	-1.225429159	down	4.707003618	5.932432777
Gm39494	0.000482784	-1.050397062	down	4.785599174	5.835996236
Gm39531	7.15E-07	-1.273550702	down	7.068515776	8.342066478
Gm39556	0.000373329	-1.023412071	down	5.171786362	6.195198433
Gm39586	0.003951029	-1.19579307	down	3.606136561	4.801929631
Gm39586	0.000172428	-1.083713843	down	3.682108402	4.765822245
Gm39628	0.011835437	-1.176925765	down	3.095862491	4.272788256
Gm39655	0.000559111	-1.498119781	down	2.762315242	4.260435023
Gm39681	0.000306546	1.175940951	up	8.083213394	6.907272443
Gm39760	1.59E-05	-1.317145474	down	5.541893815	6.859039288
Gm39792	0.026725933	-1.003883999	down	2.202633921	3.206517919
Gm39798	0.002031226	1.002992559	up	5.516885011	4.513892453
Gm39894	0.012561096	-1.076230391	down	3.369810291	4.446040682
Gm39900	0.012421909	-1.040706554	down	3.465753627	4.506460181
Gm39919	0.003493476	-1.100278174	down	3.540595219	4.640873393
Gm39923	0.019160203	-1.753100128	down	1.790226709	3.543326837
Gm39938	0.011518215	1.419262064	up	4.377932099	2.958670035
Gm40057	0.004141286	-1.835756834	down	2.133625273	3.969382107
Gm40078	0.004772365	-1.428306123	down	2.367163503	3.795469626
Gm40080	0.006089107	-1.153946707	down	4.067165592	5.221112299
Gm40080	0.000643552	-1.147917565	down	3.858921228	5.006838793
Gm40191	8.29E-06	1.91464533	up	7.983477736	6.068832406
Gm40210	4.94E-07	1.080131731	up	8.200027156	7.119895425
Gm40222	0.001483046	-1.193925105	down	7.725460997	8.919386102
Gm40312	3.80E-06	-1.792574234	down	1.812847348	3.605421582
Gm40331	0.002206392	-1.364183321	down	3.717348502	5.081531823
Gm40362	0.023918583	1.674152471	up	4.24071339	2.566560919
Gm40381	1.63E-05	-1.395174595	down	8.014774312	9.409948907
Gm40440	3.86E-07	-1.035450489	down	4.071539833	5.106990322
Gm40478	0.001329431	-1.203810783	down	2.706678268	3.910489051
Gm40508	0.000581543	-1.737375551	down	1.734649672	3.472025223
Gm40527	0.000101104	1.372462782	up	6.362710775	4.990247994
Gm40548	0.048205217	-1.241589003	down	2.652688164	3.894277167
Gm40576	0.002399933	-1.354252757	down	2.953461056	4.307713813
Gm40576	0.00487946	-1.129448098	down	3.673421388	4.802869486
Gm40576	0.032715093	-1.103685942	down	3.448836018	4.552521959
Gm40591	0.000256679	1.01978951	up	6.180167806	5.160378296
Gm40591	0.026518748	1.015835726	up	6.36415076	5.348315034
Gm40612	0.000210177	-1.115950041	down	5.388358459	6.504308499
Gm40642	0.000984043	-1.404500632	down	2.511138285	3.915638918
Gm40656	2.98E-05	-1.372576593	down	5.962093964	7.334670557
Gm40749	2.13E-05	-1.518794342	down	6.532664797	8.051459138
Gm40760	0.00059201	1.333768901	up	5.39527919	4.06151029
Gm40764	0.029950304	-1.094639805	down	2.840855057	3.935494862
Gm40783	4.68E-05	1.875055568	up	7.544396391	5.669340823
Gm40841	0.000472298	-1.607405505	down	2.80696142	4.414366925
Gm40918	0.007142041	-1.021527486	down	3.580944902	4.602472388
Gm40964	3.72E-05	-1.513424563	down	7.403694483	8.917119046
Gm40964	1.83E-05	-1.456618882	down	7.450460938	8.90707982
Gm40981	0.027663572	-1.737222929	down	2.2925394	4.029762329
Gm40996	1.78E-05	1.108309175	up	8.799845297	7.691536122
Gm41003	0.005159872	-2.206412982	down	1.840169179	4.046582161
Gm41012	0.032277406	1.079571578	up	3.127416613	2.047845035
Gm41018	0.012939682	1.113067678	up	6.660977644	5.547909966
Gm41018	0.000166693	1.200054865	up	6.673785424	5.473730558
Gm41033	0.000387626	1.178415444	up	7.196491043	6.018075599
Gm41033	0.001298403	1.181932343	up	7.599023024	6.417090681

Gm41033	5.63E-05	1.205805363	up	7.1284078	5.922602438
Gm41046	0.040408698	-1.560777518	down	2.261746237	3.822523754
Gm41112	0.020985259	-1.422693337	down	2.43448384	3.857177177
Gm41131	5.26E-05	-1.11675209	down	4.124591726	5.241343816
Gm41177	0.008047872	-1.534561875	down	2.758070246	4.292632121
Gm41177	0.001194347	-1.303916315	down	3.180310039	4.484226354
Gm41177	0.025914631	-1.578870651	down	2.667460331	4.246330982
Gm41177	0.003507078	-1.035151406	down	3.46459096	4.499742366
Gm41177	0.000325928	-1.603955615	down	2.970159221	4.574114836
Gm41182	0.000248047	2.123237776	up	3.261954002	1.138716226
Gm41198	0.00073142	-1.302495195	down	3.715202768	5.017697963
Gm41217	0.000864561	-1.03814624	down	3.588629742	4.626775983
Gm41230	0.006980266	-1.898977051	down	2.322190141	4.221167193
Gm41289	0.000476468	-2.002856433	down	3.491692645	5.494549078
Gm41292	8.78E-06	1.128537542	up	5.903763833	4.775226292
Gm41302	0.000310261	-1.503090478	down	1.987830033	3.490920512
Gm41304	0.001914836	-1.640068044	down	2.463320394	4.103388438
Gm41304	0.005600664	-1.216655635	down	2.725771627	3.942427263
Gm41317	5.16E-05	-1.659724906	down	3.473430127	5.133155034
Gm41348	0.000234386	1.142278895	up	5.339181658	4.196902764
Gm41393	2.58E-05	-1.362997542	down	6.496624585	7.859622127
Gm41394	1.24E-05	1.53221535	up	7.097794227	5.565578876
Gm41428	0.003806321	-2.243402748	down	1.748679599	3.992082347
Gm41455	0.000941287	-2.56446065	down	3.567030364	6.131491014
Gm41455	2.74E-07	-1.715244576	down	4.135793756	5.851038333
Gm41459	0.002157688	-1.888765846	down	2.226199275	4.11496512
Gm41459	0.000453017	-1.931713029	down	2.060870639	3.992583668
Gm41485	0.042548419	-1.444807301	down	2.775387956	4.220195257
Gm41489	0.00704659	-1.270716182	down	2.831986307	4.102702489
Gm41541	0.019302389	-1.263398841	down	1.859575694	3.122974535
Gm41559	0.000979566	-1.229745347	down	6.4189792	7.648724547
Gm41631	0.001995585	-1.10666155	down	3.007215883	4.113877433
Gm41662	0.04668752	-1.203364513	down	2.586909673	3.790274185
Gm41663	0.032334669	1.397662331	up	3.876669899	2.479007569
Gm41696	0.01275627	-1.679374149	down	2.257217215	3.936591364
Gm41728	0.000677108	-1.125006767	down	5.503852434	6.628859201
Gm41731	1.18E-06	-2.078333965	down	5.197242902	7.275576866
Gm41742	0.000408908	-1.198818862	down	4.15221999	5.351038852
Gm41797	0.000895976	-1.514282117	down	2.383713081	3.897995197
Gm42004	7.76E-06	-1.893165632	down	5.182391798	7.07555743
Gm42032	0.001514408	-2.056947321	down	2.042078696	4.099026017
Gm42048	0.011708456	1.151450467	up	7.5635319	6.412081433
Gm42063	0.022472758	-1.019016556	down	2.433694142	3.452710698
Gm4208	0.000362398	1.067176374	up	7.629192494	6.56201612
Gm4208	0.000632163	1.105727612	up	7.871004945	6.765277333
Gm42080	0.043912642	-1.139485545	down	3.554569562	4.694055107
Gm42131	0.000767089	-1.006196341	down	4.261114484	5.267310825
Gm42142	0.001357324	1.222273569	up	4.26102793	3.038754361
Gm42142	0.001858612	1.125898501	up	4.277755105	3.151856604
Gm42150	2.28E-06	-1.469296614	down	3.819880129	5.289176742
Gm42197	0.034914953	-1.607092172	down	2.565891982	4.172984154
Gm42210	0.000106836	-1.617206247	down	4.194224926	5.811431173
Gm42217	0.002334099	1.568693518	up	7.12213012	5.553436602
Gm42217	4.14E-05	1.699143863	up	7.319553317	5.620409454
Gm42217	0.006914582	1.356187953	up	6.992222813	5.63603486
Gm42219	1.77E-05	-1.708255304	down	4.632406982	6.340662286
Gm42235	0.003704504	-2.120240426	down	2.347340416	4.467580842
Gm42272	0.000129268	-1.423249457	down	4.341732837	5.764982294

Gm42273	0.008641978	-1.037265556	down	3.196539596	4.233805152
Gm42279	0.01595514	-1.042671758	down	4.443381531	5.48605329
Gm42279	0.016400633	-1.209072688	down	4.200225775	5.409298463
Gm42282	0.000589952	-1.052855514	down	5.382758108	6.435613621
Gm42352	0.040234827	-1.18622467	down	2.431547217	3.617771888
Gm42395	0.003527775	-1.698670608	down	2.33128338	4.029953988
Gm454	1.36E-05	-2.544572088	down	4.805093633	7.349665721
Gm4541	0.000120626	-1.530487621	down	8.084970337	9.615457958
Gm4544	1.08E-05	-1.170246503	down	5.566327891	6.736574394
Gm4544	2.57E-05	-1.108203549	down	5.704606397	6.812809946
Gm4544	1.70E-05	-1.141727986	down	5.665333916	6.807061902
Gm4606	4.20E-05	2.089862631	up	8.513176316	6.423313685
Gm4681	0.000736483	-1.60426825	down	2.963082968	4.567351218
Gm4759	0.000669726	1.169718283	up	4.022614285	2.852896002
Gm5069	0.017219858	-1.137935359	down	3.529184668	4.667120027
Gm5150	8.42E-05	1.885899057	up	4.508398497	2.622499439
Gm5590	8.96E-06	-1.110946306	down	4.497779853	5.608726159
Gm5590	0.000263976	-1.227311446	down	4.451567302	5.678878747
Gm5907	2.40E-05	-1.119086733	down	3.769270884	4.888357617
Gm5922	0.00095861	-1.355269307	down	2.850862006	4.206131313
Gm6288	0.018066602	-1.475662456	down	2.257024754	3.732687211
Gm6568	3.33E-05	-1.239864294	down	6.454817625	7.69468192
Gm6579	2.97E-05	-1.300479281	down	5.221199454	6.521678736
Gm6602	2.24E-05	-1.179372996	down	6.698312278	7.877685273
Gm6642	0.000275348	-2.333940868	down	1.477862195	3.811803063
Gm7072	2.07E-07	-1.466361454	down	7.703722224	9.170083678
Gm7562	0.009298849	-1.868775685	down	1.274106736	3.142882421
Gm8995	9.22E-06	1.007170509	up	6.140557177	5.133386668
Gm9079	0.002190617	-1.292055827	down	3.753453017	5.045508844
Gm9618	0.001086262	-1.03548152	down	5.088433277	6.123914797
Gm9618	0.013334222	-1.262390093	down	4.871410495	6.133800587
Gm9920	0.010179255	-1.920208251	down	1.742185033	3.662393285
Gm9939	1.21E-06	-1.047607541	down	5.954523712	7.002131253
H2-K2	0.017679574	1.03251376	up	3.915266365	2.882752605
H2-K2	0.009401679	1.367795897	up	3.798669031	2.430873134
H2-K2	0.00180187	1.367742885	up	3.815001875	2.44725899
H2-Q5	2.45E-06	1.698543613	up	6.29330654	4.594762927
H2-Q5	1.93E-06	1.71454248	up	6.439188401	4.724645921
Kcnmb4os1	0.004433184	1.0076661	up	3.786390848	2.778724748
LOC102631676	0.010742296	1.643230132	up	4.102249643	2.459019511
LOC102631977	0.007172436	-1.176572649	down	3.501016332	4.677588981
LOC102631977	0.033410115	-1.183742453	down	3.4538322	4.637574654
LOC102632156	0.000182145	-1.312362484	down	2.451935773	3.764298258
LOC102632493	0.000138349	-1.364844538	down	2.082461866	3.447306405
LOC102633322	9.63E-06	1.135247146	up	7.066039541	5.930792396
LOC102634873	0.007328958	-1.089761071	down	3.358108802	4.447869873
LOC102634900	5.79E-08	-1.561341358	down	2.043668931	3.605010288
LOC102635521	0.00526517	-1.206694436	down	4.07457616	5.281270596
LOC102635638	0.038023251	1.72984865	up	6.198512931	4.468664282
LOC102636988	0.00508123	-2.013455612	down	1.298401786	3.311857398
LOC102636988	7.54E-05	-1.582188704	down	3.096806763	4.678995468
LOC102637021	7.94E-06	-1.413881589	down	5.577329883	6.991211472
LOC102637336	0.002119128	-1.04979101	down	2.461324452	3.511115462
LOC102637336	0.018012445	-1.05825384	down	2.334905592	3.393159432
LOC102637491	0.000136229	-1.272616481	down	2.322577391	3.595193873
LOC102637577	0.000141344	-1.01508282	down	6.209679361	7.224762181
LOC102637577	1.65E-05	-1.035674854	down	6.28102694	7.316701794
LOC102637577	7.74E-07	-1.063791799	down	6.289938018	7.353729817

LOC102637646	0.000949042	-1.087430626	down	5.615928717	6.703359343
LOC102638195	1.45E-05	-1.413862321	down	5.348022392	6.761884713
LOC102638195	3.75E-05	-1.161132754	down	5.65462962	6.815762374
LOC102638785	2.13E-05	-2.467345681	down	7.215682624	9.683028305
LOC102639143	0.003088173	1.797160342	up	3.858433647	2.061273306
LOC102640771	0.00968319	1.150591838	up	4.159319641	3.008727803
LOC102640771	0.004731883	1.187638279	up	4.337466914	3.149828635
LOC102641016	0.000647851	1.186574189	up	6.737289612	5.550715423
LOC102642034	0.018666725	-1.123919526	down	2.426801292	3.550720818
LOC105242408	0.000127487	1.256427747	up	6.292429715	5.036001968
LOC105242408	0.000126937	1.350081893	up	6.071146502	4.721064609
LOC105242408	2.60E-05	1.228257385	up	6.239346037	5.011088652
LOC105242408	4.40E-05	1.213038199	up	6.450341949	5.237303751
LOC105242408	0.000280799	1.139062094	up	6.261052419	5.121990325
LOC105242581	0.000385174	1.014878306	up	5.867705788	4.852827482
LOC105242826	0.000140939	-1.121439607	down	3.835389405	4.956829012
LOC105242826	0.01914051	-1.823699718	down	3.069784186	4.893483904
LOC105243551	0.010557076	-1.21132998	down	3.263188702	4.474518682
LOC105244193	0.003918474	-1.283215472	down	2.650998899	3.934214371
LOC105244416	0.001727226	-1.036237388	down	4.155333541	5.191570929
LOC105244416	0.003679631	-1.032406604	down	4.503090967	5.535497571
LOC105245651	0.008835409	1.069979977	up	4.344508171	3.274528194
LOC105245696	2.96E-05	-1.144338335	down	3.229931666	4.374270001
LOC105245696	0.000290967	-1.251042391	down	2.990309858	4.241352249
LOC105246531	0.007351509	-1.245255452	down	3.023991365	4.269246816
LOC108167359	0.000443752	-1.910657983	down	3.156644509	5.067302492
LOC108167367	9.49E-05	-1.04759733	down	5.152519281	6.200116611
LOC108167405	0.002689953	-1.47494246	down	2.666993399	4.141935859
LOC108167427	0.009187284	-1.100518671	down	2.246857803	3.347376474
LOC108167454	0.023643895	1.471934048	up	3.663372428	2.19143838
LOC108167492	9.32E-07	-1.478473097	down	4.109512627	5.587985724
LOC108167554	8.08E-06	-3.046586831	down	3.993318871	7.039905701
LOC108167559	0.000240784	-1.037742111	down	4.867500222	5.905242333
LOC108167629	0.000214608	-1.641929571	down	3.483777886	5.125707458
LOC108167658	0.001554519	-1.003884813	down	3.643193605	4.647078418
LOC108167660	4.32E-05	1.171996041	up	10.73872187	9.566725828
LOC108167667	0.045601482	-1.632836477	down	1.542089036	3.174925513
LOC108167675	0.000390185	-1.547648884	down	2.209451456	3.757100339
LOC108167718	0.000170976	-1.214244557	down	6.128937844	7.343182401
LOC108167732	0.025380986	1.80967965	up	3.970490281	2.160810631
LOC108167736	0.000509742	-1.453529293	down	4.651900804	6.105430097
LOC108167866	0.000212328	-1.059977657	down	4.892588033	5.95256569
LOC108167940	0.002655525	-1.619552771	down	1.673477842	3.293030613
LOC108167969	0.005596016	1.010986971	up	4.046595732	3.035608761
LOC108167997	0.017428154	-1.383192825	down	2.134493705	3.51768653
LOC108168149	3.30E-05	1.129977554	up	8.103683157	6.973705603
LOC108168268	2.58E-05	-1.882523348	down	5.67734348	7.559866828
LOC108168303	0.000978343	-1.287999017	down	2.832537835	4.120536852
LOC108168305	7.16E-06	-1.473221119	down	5.743833342	7.21705446
LOC108168326	0.001494088	1.010784937	up	4.56566938	3.554884443
LOC108168383	0.010227275	-1.61478209	down	2.086218002	3.701000091
LOC108168752	0.000107394	1.170583056	up	4.906616522	3.736033466
LOC108168775	0.000387004	-1.003764236	down	3.8220653	4.825829535
LOC108168890	0.000145521	-1.306129997	down	6.717472702	8.023602698
LOC108168938	4.59E-05	-1.071067215	down	4.031963728	5.103030943
LOC108169140	0.000334884	-1.034356268	down	7.354970217	8.389326485
LOC108169145	0.041372333	-1.10667312	down	2.710427592	3.817100712
LOC108169158	0.00062777	1.527274145	up	7.642559283	6.115285139

<i>Lgals1-ps2</i>	0.000234237	-1.262150119	down	4.483117042	5.745267161
<i>Linc-md1</i>	0.00011257	1.389995242	up	7.921238404	6.531243162
<i>Lincrd2</i>	0.000258548	-1.022384437	down	4.269089251	5.291473687
<i>Marcks1-ps4</i>	2.29E-05	1.444270814	up	9.234495803	7.79022499
<i>Mir199b</i>	0.030232364	-1.276649746	down	2.352833982	3.629483727
<i>Mir743b</i>	0.000342592	-1.003021994	down	4.275004717	5.278026711
<i>Mirt2</i>	1.15E-05	-1.244978321	down	8.111734107	9.356712429
<i>Olf1372-ps1</i>	0.000200521	1.2705422	up	6.349742449	5.079200249
<i>Pantr1</i>	2.03E-05	1.090328999	up	9.656836908	8.56650791
<i>Platr22</i>	0.002174771	-1.040733847	down	3.459409402	4.500143249
<i>Prkag2os1</i>	0.025239263	-1.365102629	down	2.26926709	3.63436972
<i>Rab11fip4os1</i>	0.001332533	-1.458837921	down	2.498375238	3.957213159
<i>Scgb2b23-ps</i>	5.84E-06	-1.063016937	down	6.906980308	7.969997244
<i>Serpina3h</i>	3.93E-05	1.625899357	up	7.17100033	5.545100973
<i>Tbx3os1</i>	0.000310138	-1.007875746	down	5.077709092	6.085584838
<i>Tnk2os</i>	0.00977718	-1.00728408	down	2.326654091	3.333938172
<i>Tyms-ps</i>	0.001104757	-1.12314605	down	3.995730868	5.118876918

lncRNA, long non-coding RNA; FC, fold change; P vs. C, chronic non-bacteria prostatitis vs. control

Supplementary Table S7. Detailed clinical information of the enrolled CP/CPPS patients.

Parameters	Healthy control (n = 5)	CP/CPPS		P-value
		< 30 y (n = 11)	> 30 y (n = 9)	
Age	27.4 ± 0.8124	27.27 ± 0.6044	39.44 ± 1.923	< 0.0001 [#]
EPS (white cell)	/	0	0	/
NIH-CPSI	/	23.36 ± 2.13	17.89 ± 1.328	0.0538 ^{\$}
BMI	24.04 ± 0.6202	22.21 ± 1.079	23.14 ± 1.195	0.5755 [#]

CP/CPPS, chronic prostatitis/chronic pelvic pain syndrome; EPS, expressed prostatic secretion; NIH-CPSI, National Institutes of Health Chronic Prostatitis Symptom Index; BMI, Body Mass Index; n, number; [#]Ordinary one-way ANOVA analysis; ^{\$}Unpaired t-test.