

BMP10 Transgenic Mouse Heart Exon Array

Gene Symbol	RefSeq	p-value(Group)	Ratio(TG vs. NTG)
Tbx20	NM_194263	7.00E-10	2.19865
Myoc	NM_010865	7.16E-10	9.87936
Bmp10	NM_009756	1.12E-09	4.77437
Reln	NM_011261	1.45E-09	0.349945
Tiam1	NM_009384	1.74E-09	1.84608
Soat1	NM_009230	2.57E-09	2.58464
Smad6	NM_008542	3.24E-09	3.04348
Vtn	NM_011707	7.13E-09	0.21829
Egflam	NM_178748	1.58E-08	0.504658
Pcolce2	NM_029620	2.54E-08	1.61137
Thy1	NM_009382	3.01E-08	0.59449
Gfra1	NM_010279	3.28E-08	0.411243
Cd207	NM_144943	3.57E-08	6.2893
Fbln5	NM_011812	5.25E-08	1.83793
Igfbp3	NM_008343	6.33E-08	2.86632
Aqp1	NM_007472	7.65E-08	0.295609
Gria4	NM_019691	8.85E-08	2.24855
Angpt17	NM_001039554	9.11E-08	3.3136
Pdgfra	NM_011058	9.46E-08	1.3937
Foxp2	NM_053242	1.00E-07	1.51901
Gpc6	NM_001079844	1.07E-07	1.64493
Asah3l	NM_139306	1.14E-07	2.06721
Cmah	NM_001111110	1.22E-07	0.440216
Eya4	NM_010167	1.47E-07	2.40167
Grhl1	NM_145890	1.58E-07	3.08037
Vsig4	NM_177789	1.88E-07	9.53025
Itgal	NM_008400	1.96E-07	2.2897
Rasa4	NM_133914	2.06E-07	0.615245
Pdlim2	NM_145978	2.09E-07	1.33415
Hmcn2	BC034076	2.94E-07	0.370142
Cfi	NM_007686	3.02E-07	2.12252
Sulf2	NM_028072	3.32E-07	1.34042
Gabra3	NM_008067	3.54E-07	2.70941
Fgfr2	NM_010207	3.63E-07	2.32834
Slco2a1	NM_033314	3.64E-07	2.40725
Mgl2	NM_145137	3.81E-07	0.174718
Sorbs3	NM_011366	4.29E-07	1.70267
Mgl1	NM_010796	5.01E-07	0.31866
Ltc4s	NM_008521	5.49E-07	0.583303
Cd74	NM_001042605	5.54E-07	0.657403
Mctp1	NM_030174	5.69E-07	3.55776
Sfrp2	NM_009144	5.74E-07	3.2455
Tg	NM_009375	5.86E-07	0.728794
Pde8b	NM_172263	5.87E-07	0.414054

Ecm1	NM_007899	6.42E-07	1.95877
Timp4	NM_080639	6.86E-07	0.286355
Fap	NM_007986	6.96E-07	0.387251
Prkab1	NM_031869	6.99E-07	0.733269
Grpel1	NM_024478	7.50E-07	0.798906
Atoh8	NM_153778	7.60E-07	1.9744
Ctss	NM_021281	7.67E-07	1.76904
Tmem45a	NM_019631	7.87E-07	2.13852
Smad7	NM_001042660	8.75E-07	2.47002
Csf1r	NM_001037859	8.99E-07	1.57576
Astn2	NM_207109	9.18E-07	1.75435
Fbln1	NM_010180	9.81E-07	1.47449
Slco2b1	NM_175316	1.06E-06	0.583964
Arrb1	NM_177231	1.13E-06	1.3826
Scara3	NM_172604	1.21E-06	1.50471
Necab1	NM_178617	1.33E-06	0.413973
Slc16a2	NM_009197	1.46E-06	1.87776
Gli1	NM_010296	1.50E-06	1.5696
Rtp3	ENSMUST0000084922	1.52E-06	0.735211
Shmt1	NM_009171	1.53E-06	0.616465
Peg3	NM_008817	1.61E-06	1.88714
Timm44	NM_011592	1.69E-06	0.802402
Cmpk2	NM_020557	1.74E-06	0.642522
Chrn1	NM_009601	1.75E-06	0.592183
Mrpl2	NM_025302	1.78E-06	0.795512
Tmod4	NM_016712	1.85E-06	0.428164
Megf10	NM_001001979	1.85E-06	1.59575
Lhfp	NM_175386	1.86E-06	1.48528
Polq	NM_029977	1.86E-06	0.603965
Unc5b	NM_029770	1.91E-06	2.18266
Angpt1	NM_009640	1.96E-06	0.356606
Pdlim3	NM_016798	2.03E-06	1.93039
Nrxn1	NM_020252	2.12E-06	2.61603
Zcchc5	NM_199468	2.29E-06	2.65201
Oas2	NM_145227	2.30E-06	0.675954
Slc24a5	NM_175034	2.33E-06	0.522592
Rasgrp2	NM_011242	2.34E-06	0.697388
Slc16a12	NM_172838	2.38E-06	0.490536
Kank3	NM_030697	2.48E-06	0.753548
Gfra3	NM_010280	2.51E-06	0.746333
D10Ert641e	BC025117	2.57E-06	0.727947
Plekhh2	NM_177606	2.60E-06	1.49247
Podxl	NM_013723	2.71E-06	0.768196
Vim	NM_011701	2.84E-06	1.27332
Sgk1	NM_011361	2.87E-06	1.71181
Pole2	NM_011133	2.88E-06	1.37295
Ccdc80	NM_026439	2.90E-06	1.54521

Scara5	NM_028903	2.97E-06	0.493358
Ret	NM_001080780	3.04E-06	0.504718
Adcyap1r1	NM_007407	3.15E-06	0.684799
Myrip	NM_144557	3.22E-06	1.54039
Vipr2	NM_009511	3.24E-06	0.592988
C1qtnf9	NM_183175	3.35E-06	0.385391
Gnb3	NM_013530	3.41E-06	0.569434
Bmper	NM_028472	3.60E-06	0.650828
Sh3rf2	NM_172966	3.62E-06	0.455055
Otoa	NM_139310	3.62E-06	1.61188
D630003M21Rik	BC137959	3.62E-06	0.663884
Car4	NM_007607	3.90E-06	0.434262
Rasgef1b	NM_145839	3.95E-06	2.14768
Trf	NM_133977	4.01E-06	1.44049
Slc9a7	NM_177353	4.08E-06	1.61185
Smad9	NM_019483	4.20E-06	2.79687
Csf2rb	NM_007780	4.28E-06	1.47835
Eng	NM_007932	4.50E-06	1.39023
Igfbp4	NM_010517	4.68E-06	1.45264
Dkk3	NM_015814	4.77E-06	1.75968
Ldhd	NM_027570	4.92E-06	0.684054
Tec	NM_001113460	4.95E-06	1.42322
Wdr41	NM_172590	4.97E-06	0.846748
Ephb1	NM_173447	4.98E-06	0.442777
Hey1	NM_010423	5.04E-06	1.61668
Tmem215	ENSMUST00000049655	5.08E-06	1.59029
Rbms3	NM_178660	5.14E-06	1.52717
Tmem141	NM_001109993	5.38E-06	0.663316
Gpr39	BC085285	5.61E-06	2.2322
Acvr1	NM_001110204	5.62E-06	1.34034
Ptpn13	NM_011204	5.69E-06	1.46419
Sirpa	NM_007547	6.14E-06	1.32692
Grhl3	NM_001013756	6.15E-06	1.52677
Vwf	NM_011708	6.22E-06	1.63973
Cdkn1c	NM_009876	6.25E-06	0.64465
Retnla	NM_020509	6.30E-06	0.180073
Cachd1	NM_198037	6.37E-06	1.31456
Trhde	NM_146241	6.78E-06	0.435383
L1cam	NM_008478	7.05E-06	0.708419
Lect1	NM_010701	7.08E-06	2.17339
Gng8	NM_010320	7.08E-06	2.57778
Cisd1	NM_134007	7.13E-06	0.804443
Adra1a	NM_013461	7.30E-06	0.367949
Bicc1	NM_031397	7.52E-06	1.42044
Il13ra1	NM_133990	7.61E-06	1.39565
Eif2b4	NM_001127356	7.66E-06	0.778846
Wnt2	NM_023653	7.74E-06	1.55701

Aass	NM_013930	7.83E-06	1.72503
Dpysl2	NM_009955	7.97E-06	1.18096
Tmem164	NM_177592	8.00E-06	1.3598
Unc5c	NM_009472	8.14E-06	1.76452
Adam23	NM_011780	8.19E-06	2.0818
Pccb	NM_025835	8.32E-06	0.844786
Usp52	NM_133992	8.50E-06	1.14068
Trpc3	NM_019510	8.54E-06	0.569954
Nln	NM_029447	8.73E-06	0.82913
Setd8	NM_030241	8.73E-06	0.792268
Als2cr13	NM_001037725	8.87E-06	1.36248
Nrg1	NM_178591	8.97E-06	0.530139
Gnao1	NM_010308	9.25E-06	1.64681
Wwc2	NM_133791	9.27E-06	1.21226
Sulf1	NM_172294	9.40E-06	1.59063
Dsc2	NM_013505	9.51E-06	0.746777
Ncam1	NM_001113204	9.56E-06	1.59002
Bckdha	NM_007533	1.02E-05	0.695832
Slc7a8	NM_016972	1.04E-05	1.7067
Ap1b1	NM_007454	1.05E-05	0.846563
Mrpl28	NM_024227	1.05E-05	0.69632
Pdk3	NM_145630	1.07E-05	1.39208
Coq9	NM_026452	1.07E-05	0.760269
Pde1a	NM_016744	1.09E-05	1.4442
Tcf21	NM_011545	1.09E-05	2.51448
Mccc2	NM_030026	1.11E-05	0.689166
Cd33	NM_001111058	1.13E-05	0.620997
Slc15a3	NM_023044	1.15E-05	1.48687
B3galt1	NM_020283	1.16E-05	1.86465
ApoE	NM_009696	1.18E-05	1.43825
Ust	NM_177387	1.19E-05	1.41254
Ccdc88c	NM_026681	1.21E-05	0.756497
Opcml	NM_177906	1.23E-05	0.51143
Fgf16	NM_030614	1.27E-05	0.405646
Nat11	BC020020	1.28E-05	0.821261
Ifi44	NM_133871	1.28E-05	0.488402
Asrgl1	NM_025610	1.28E-05	1.36625
Prdx5	NM_012021	1.32E-05	0.759227
Scn10a	NM_009134	1.33E-05	0.756288
Foxred1	NM_172291	1.35E-05	0.737077
Mrpl14	NM_026732	1.38E-05	0.659683
Pla2g2d	NM_011109	1.41E-05	0.278399
Arhgap24	NM_029270	1.42E-05	0.654265
5430416O09Rik	BC147345	1.44E-05	0.650812
Cxcl13	NM_018866	1.47E-05	5.57003
Yap1	NM_009534	1.48E-05	1.29147
Tnfrsf2	NM_009396	1.53E-05	0.645883

Col14a1	NM_181277	1.56E-05	1.8205
Comp	NM_016685	1.56E-05	2.22661
Skil	NM_011386	1.57E-05	1.74146
Reps2	NM_178256	1.61E-05	0.612389
Siglece	NM_031181	1.63E-05	1.47237
Meig1	NM_008579	1.64E-05	0.642331
Dgat2	NM_026384	1.65E-05	0.607984
Efna5	NM_207654	1.67E-05	1.43111
Hip1	NM_146001	1.68E-05	1.29747
Epb4.1l4a	NM_013512	1.71E-05	0.780595
Pxmp4	NM_021534	1.74E-05	0.69668
Lmo4	NM_010723	1.75E-05	1.3738
4732429D16Rik	NM_145437	1.76E-05	1.74531
Fpr1	NM_013521	1.77E-05	3.29085
A230051G13Rik	BC094909	1.78E-05	0.733219
Fbxw16	NM_177070	1.81E-05	0.487071
Gramd1b	NM_172768	1.89E-05	0.592964
Pacsin2	NM_011862	1.96E-05	0.757123
Vit	NM_028813	1.97E-05	1.87938
Enpp6	NM_177304	2.00E-05	1.53015
Ccl7	NM_013654	2.00E-05	0.586065
Sirt5	NM_178848	2.02E-05	0.754437
Efhd1	NM_028889	2.04E-05	0.639747
Hdc	NM_008230	2.06E-05	1.36423
Igsf1	NM_177591	2.07E-05	1.7697
Stxbp2	NM_011503	2.08E-05	1.24317
Als2cr2	NM_172656	2.10E-05	0.785184
Msr1	NM_031195	2.15E-05	3.08931
Svep1	NM_022814	2.20E-05	2.04281
Lpar3	NM_022983	2.26E-05	1.83915
Heph	NM_010417	2.27E-05	1.43902
9430028L06Rik	BC147606	2.28E-05	2.47429
Cpne5	NM_153166	2.31E-05	1.80087
Trpc6	NM_013838	2.39E-05	1.49328
Cdk8	NM_153599	2.45E-05	1.54624
Tspan13	NM_025359	2.47E-05	0.765589
Cyp1b1	NM_009994	2.52E-05	2.17053
Mtmr11	NM_181409	2.59E-05	1.29993
Dock7	NM_026082	2.63E-05	1.20401
Man2a1	NM_008549	2.63E-05	1.38757
Nnt	NR_003544	2.68E-05	0.840319
Cav2	NM_016900	2.68E-05	0.726104
Msh5	NM_013600	2.78E-05	1.41621
Rnf145	NM_028862	2.82E-05	1.24921
Sfrp1	NM_013834	2.90E-05	1.65755
Cd38	NM_007646	2.90E-05	1.40742
Psmb9	NM_013585	2.94E-05	0.756586

Hint2	NM_026871	2.96E-05	0.719182
Cabc1	NM_023341	2.96E-05	0.760349
Scd4	NM_183216	2.99E-05	0.365292
Arhgap6	NM_009707	3.01E-05	1.4889
Psme1	NM_011189	3.02E-05	0.730093
Has3	NM_008217	3.04E-05	0.51402
Nostrin	NM_181547	3.04E-05	1.56228
Sertad4	NM_198247	3.07E-05	1.52642
Obfc2a	NM_028696	3.07E-05	0.673934
Duoxa1	NM_145395	3.10E-05	0.536285
Chi3l1	NM_007695	3.13E-05	2.02459
Bmp5	NM_007555	3.14E-05	0.599613
Slc24a4	NM_172152	3.19E-05	1.59331
1500032D16Rik	NM_030087	3.27E-05	0.788714
Gsto1	NM_010362	3.27E-05	0.681621
Igtp	NM_018738	3.28E-05	0.60473
6530404N21Rik	DQ788834	3.29E-05	0.829818
Ict1	NM_026729	3.38E-05	0.802013
Itga4	NM_010576	3.42E-05	1.38816
Stat2	NM_019963	3.43E-05	0.798654
Dtd1	NM_025314	3.46E-05	0.886605
Bgn	NM_007542	3.46E-05	1.45043
Postn	NM_015784	3.46E-05	2.62774
Smarca1	NM_053123	3.47E-05	1.54443
Sox4	NM_009238	3.47E-05	0.744459
3321401G04Rik	NM_029930	3.48E-05	1.22902
Immp2l	NM_053122	3.51E-05	0.798431
Pde9a	NM_008804	3.58E-05	0.871433
Iqgap1	NM_016721	3.70E-05	1.18362
Ndufa9	NM_025358	3.72E-05	0.825819
Prelp	NM_054077	3.76E-05	1.2024
Actn1	NM_134156	3.78E-05	1.43389
Tnfrsf21	NM_178589	3.80E-05	0.726315
Gpd1l	NM_175380	3.86E-05	0.700119
Slc41a2	NM_177388	3.86E-05	1.82395
Timp3	NM_011595	3.89E-05	1.23055
Timm10	NM_013899	3.93E-05	0.580915
Ntf3	NM_008742	4.00E-05	0.716578
Dnajc11	NM_172704	4.02E-05	0.824529
Antxr1	NM_054041	4.03E-05	1.27685
Rgs6	NM_015812	4.05E-05	1.54362
Dcn	NM_007833	4.06E-05	1.18946
Ckm	NM_007710	4.06E-05	0.830575
Gpt	NM_182805	4.09E-05	0.659453
Ston1	NM_029858	4.12E-05	1.38931
Kcna2	NM_008417	4.14E-05	0.831432
Fdx1	NM_007996	4.23E-05	0.723206

Slitrk4	NM_178740	4.30E-05	3.27189
Ptpru	NM_001083119	4.37E-05	1.29979
Prkd1	NM_008858	4.49E-05	0.816966
Cyfp2	NM_133769	4.52E-05	0.56718
F2r	NM_010169	4.54E-05	1.3542
Apol10b	NM_177820	4.56E-05	0.300125
Kank1	NM_181404	4.60E-05	1.18962
S100a6	NM_011313	4.65E-05	0.820816
Cops6	NM_012002	4.66E-05	0.88485
Sdhd	NM_025848	4.83E-05	0.833696
BB146404	NM_178908	4.83E-05	2.29515
Slc3a2	NM_008577	4.85E-05	1.29308
1110028A07Rik	NM_026808	4.95E-05	0.657781
Rorc	NM_011281	5.02E-05	0.696545
Slc6a6	NM_009320	5.06E-05	1.50053
Cacna1g	NM_009783	5.23E-05	2.14308
Hap1	NM_010404	5.27E-05	0.881083
Wdr23	NM_133734	5.31E-05	0.820576
Id4	NM_031166	5.32E-05	1.39674
Tmem2	NM_031997	5.38E-05	1.33402
Timm50	NM_025616	5.47E-05	0.806082
9130404D14Rik	BC027843	5.48E-05	1.37276
1110032E23Rik	NM_133187	5.48E-05	1.43137
2310076L09Rik	NM_001077348	5.60E-05	0.647843
lvd	NM_019826	5.60E-05	0.698511
Mthfd1	NM_138745	5.61E-05	0.836852
Als2cl	NM_146228	5.63E-05	0.786401
Mrpl34	NM_053162	5.66E-05	0.754156
Kcnk2	NM_010607	5.75E-05	0.517597
Trpm3	NM_001035240	5.84E-05	1.43748
Olfml3	NM_133859	5.93E-05	2.05907
Gria3	NM_016886	6.05E-05	1.61975
Srgap3	NM_080448	6.12E-05	1.49136
1700040L02Rik	BC087900	6.15E-05	0.596576
Ahsg	NM_013465	6.34E-05	1.79526
Lphn1	NM_181039	6.41E-05	1.28403
Dtx3l	NM_001013371	6.42E-05	0.802182
6330403K07Rik	NM_134022	6.53E-05	1.4869
Agpat9	NM_172715	6.56E-05	0.725566
Tmem143	NM_144801	6.57E-05	0.658554
Pank4	NM_172990	6.69E-05	0.818523
Optn	NM_181848	6.88E-05	0.727591
Rab34	NM_033475	6.90E-05	1.12813
Gprc5b	NM_022420	7.02E-05	1.3881
Npal3	NM_028995	7.03E-05	0.7868
Pltp	NM_011125	7.25E-05	0.658034
Cd209a	NM_133238	7.27E-05	0.746365

Nos2	NM_010927	7.36E-05	0.629756
4930578C19Rik	BC118515	7.40E-05	0.706508
Entpd2	NM_009849	7.44E-05	0.710596
C1qtnf1	NM_019959	7.48E-05	1.38782
Whsc1l1	NM_001081269	7.52E-05	1.15188
Emr1	NM_010130	7.54E-05	1.52852
Enc1	NM_007930	7.65E-05	1.61831
Ccl11	NM_011330	7.79E-05	0.45131
Dse	NM_172508	7.90E-05	1.48487
Htr2b	NM_008311	7.92E-05	0.57649
Cdgap	NM_020260	7.99E-05	1.22372
Ptgs1	NM_008969	8.07E-05	1.41244
Mid1	NM_183151	8.10E-05	1.18463
Stard13	NM_146258	8.14E-05	0.800139
Prps2	NM_026662	8.35E-05	0.601949
Ccbp2	NM_021609	8.38E-05	1.83028
Dock9	NM_001081039	8.40E-05	0.802659
Mme	NM_008604	8.41E-05	0.545932
Vcan	NM_001081249	8.44E-05	1.5709
Adi1	NM_134052	8.58E-05	0.75976
Golim4	NM_175193	8.74E-05	1.42956
Igf1r	NM_010513	8.89E-05	1.26825
Emb	NM_010330	8.92E-05	2.40693
9030617O03Rik	BC021385	8.92E-05	0.585412
Fkbp4	NM_010219	9.06E-05	0.697202
Tm6sf1	NM_145375	9.19E-05	1.34486
Hrasls	NM_013751	9.30E-05	0.662503
Spnb2	NM_009260	9.31E-05	1.17025
Uchl1	NM_011670	9.36E-05	1.63114
Crispld1	NM_031402	9.39E-05	1.90137
Fah	NM_010176	9.50E-05	0.482825
St3gal4	NM_009178	9.55E-05	1.27603
Trim7	NM_053166	9.66E-05	0.540592
Clec4d	NM_010819	9.68E-05	2.16634
Hspb6	NM_001012401	9.69E-05	0.765633
Wt1	NM_144783	9.70E-05	1.5755
Pgm2	NM_028132	9.79E-05	0.792427
Cecr5	NM_144815	9.92E-05	0.829293
Rsad2	NM_021384	0.000100295	0.55227
Gna14	NM_008137	0.000101046	0.688201
P2ry14	NM_133200	0.000101138	0.41171
Rnf122	NM_175136	0.000101977	0.788906
Rwdd4a	NM_203507	0.000102819	0.751007
P2ry1	NM_008772	0.000102902	0.609186
Dapk2	NM_010019	0.000104378	1.66371
Inpp4a	NM_030266	0.000104924	0.876452
Tox3	NM_172913	0.000105133	1.43474

Aldh4a1	NM_175438	0.000105296	0.773106
Mrc1	NM_008625	0.000105915	0.712494
Popdc2	NM_001081984	0.00010648	0.871096
Kmo	NM_133809	0.000107273	0.741052
H2-Ab1	NM_207105	0.000107512	0.751967
Dhodh	NM_020046	0.000107958	0.828005
Atad3a	NM_179203	0.000108114	0.817316
Ndufb3	NM_025597	0.000108162	0.809835
Igfbp7	NM_008048	0.000109151	1.57353
Golga4	NM_018748	0.000110402	1.66189
Acads	NM_007383	0.000110647	0.712794
Hsd17b10	NM_016763	0.000111475	0.751406
Cacna1s	NM_001081023	0.000111493	0.687408
Wasf3	NM_145155	0.00011188	1.30674
Man1a2	NM_010763	0.000112326	1.14179
Itgb1bp2	NM_013712	0.000112374	0.752346
Bsg	NM_009768	0.000113004	0.821365
Al118078	BC068128	0.000113452	0.743434
Sacs	NM_172809	0.000113733	0.775894
10-Sep	NM_001009818	0.000115683	1.36176
Peci	NM_011868	0.000115703	0.691544
Prkca	NM_011101	0.000115923	1.22174
Uqcrfs1	NM_025710	0.000116071	0.788462
Pank1	NM_001114339	0.000116844	0.818803
Atp6v0a2	NM_011596	0.00011692	0.865734
Stk32b	NM_022416	0.000117544	1.95884
Spag7	NM_172561	0.000118276	0.821696
Clec3b	NM_011606	0.000118645	0.465997
Lamb3	NM_008484	0.000118869	0.804195
Cnga2	NM_007724	0.000119028	1.37427
Kirrel	NM_130867	0.000119196	1.26428
Car13	NM_024495	0.000121319	1.56013
Cd83	NM_009856	0.000121703	0.542447
A330021E22Rik	BC062906	0.000124469	1.65671
Dctd	NM_178788	0.000124514	0.65652
4933425L03Rik	BC057020	0.000125516	0.870344
D10Jhu81e	NM_138601	0.000125624	0.708538
Adsl	NM_009634	0.000125952	0.857505
Hes6	NM_019479	0.000126994	0.782373
Abhd1	NR_003522	0.000127987	0.599906
Glr5	NM_028419	0.000128507	0.802695
Fgl2	NM_008013	0.000128602	1.85263
Sfn3	NM_011409	0.000128619	0.590574
N28178	BC057092	0.000129704	0.683549
Clec14a	NM_025809	0.000129876	1.57268
Gsta4	NM_010357	0.000130214	0.682805
Cyc1	NM_025567	0.000130459	0.865793

Camk2a	NM_177407	0.00013075	0.862214
Acadvl	NM_017366	0.000132263	0.779165
Prkcq	NM_008859	0.000132461	0.609567
Slc25a16	NM_175194	0.000132722	0.848164
Ccdc69	NM_177471	0.000135543	0.77377
Cdh23	NM_023370	0.000137469	0.645802
Btg2	NM_007570	0.000137572	1.91204
Lpcat2	NM_173014	0.000138975	1.52668
Mmachc	NM_025962	0.000139328	0.780902
Edc3	NM_153799	0.00014007	1.14614
Rgnef	NM_012026	0.000141825	1.32166
Sod3	NM_011435	0.000141976	1.52274
BC017612	NM_133214	0.000142112	0.565424
D16H22S680E	BC005445	0.000142911	0.716693
Ctsf	NM_019861	0.000143951	0.831365
Bcat1	NM_007532	0.000145184	1.67814
St3gal1	NM_009177	0.000145823	1.23226
Mbc2	NM_011843	0.000147836	1.19006
Epb4.1l2	NM_013511	0.000148595	1.14083
Khdrbs3	NM_010158	0.000149397	0.863168
Folr2	NM_008035	0.000149698	0.557306
Mtap7d3	NM_177293	0.000149881	1.38256
Lepr	NM_146146	0.000150579	2.3732
2600010E01Rik	NM_001110849	0.000150641	1.43078
Ccbl1	NM_172404	0.000151225	0.782907
Arhgap30	NM_001005508	0.000152626	1.17027
Mrpl3	NM_053159	0.000152744	0.803515
Lrp1	NM_008512	0.000152892	1.63817
Ipo9	NM_153774	0.000153063	1.15393
Ap1m1	NM_007456	0.000153077	0.879107
Lass6	NM_172856	0.000153543	1.54081
Slc35f1	NM_178675	0.000153666	0.788125
Tmem25	NM_027865	0.000154623	0.729308
Ctdspl	NM_133710	0.00015724	1.35015
Scin	NM_009132	0.000157584	1.5204
Supt6h	NM_009297	0.000157621	1.12778
Axin2	NM_015732	0.000159865	1.39425
Stat3	NM_213659	0.000160048	1.1256
Flad1	NM_177041	0.000162251	0.801127
Ntn1	NM_008744	0.00016508	1.18676
Sele	NM_011345	0.000165093	1.86798
Gtf2h5	NM_181392	0.000165529	0.867458
Map3k4	NM_011948	0.000165578	0.860373
Ndufa6	NM_025987	0.000165654	0.739231
Slain2	NM_153567	0.000166122	1.16952
Ipo13	NM_146152	0.000166164	0.732969
4930562D19Rik	NM_177616	0.000166672	1.12653

Hfe2	NM_027126	0.000167316	0.722945
Guk1	NM_008193	0.000169215	0.81567
A2m	NM_175628	0.000170263	1.88955
Mtch2	NM_019758	0.000172502	0.865863
D330045A20Rik	BC113128	0.000172932	1.42421
Ankrd37	NM_001039562	0.000174655	1.68968
Psd4	NM_177611	0.000176018	1.35405
Rspo2	NM_172815	0.000176267	1.63833
Limch1	NM_001001980	0.000177216	0.760965
Qdpr	NM_024236	0.000177416	0.779562
Ephx2	NM_007940	0.000178159	0.674073
Tmtc1	NM_198967	0.000180205	1.21392
Mrpl46	NM_023331	0.000181096	0.771247
Gabre	ENSMUST00000114557	0.000182147	1.47635
Ugdh	NM_009466	0.000182714	1.2532
Myo1b	NM_010863	0.000184017	0.760198
Slc25a15	NM_181325	0.000185503	0.822283
1110012N22Rik	BC091000	0.000186884	0.710481
Lrrc17	NM_028977	0.000187064	1.52818
1700020C11Rik	NM_026443	0.000187958	0.74981
Hspa12a	NM_175199	0.000189857	0.846871
BC062109	BC055321	0.000190329	0.597762
Kcnn3	NM_080466	0.000191417	0.520395
Idh2	NM_173011	0.000192358	0.740384
Tmtc2	NM_177368	0.0001935	1.72663
Hcn2	NM_008226	0.00019362	0.647997
Aebp1	NM_009636	0.000194937	1.76562
Cox6b1	NM_025628	0.000195495	0.803211
Fgf2	NM_008006	0.000195768	1.5022
Echdc3	NM_024208	0.00019582	0.715336
Ndufaf2	NM_001127346	0.00019605	0.778294
Bnc2	NM_172870	0.000196479	0.549001
Extl3	NM_018788	0.000197151	1.24545
Nrp2	NM_001077403	0.000198108	0.735776
Sox9	NM_011448	0.000199829	1.52137
Wwp2	NM_025830	0.000201135	1.21065
Angpt2	NM_007426	0.000202634	1.33075
Btnl9	NM_172793	0.000204557	1.25768
Fzd8	NM_008058	0.000204877	0.761832
Sdc3	NM_011520	0.000210615	1.167
Adam23	NM_011780	0.000211563	1.95459
Hpgd	NM_008278	0.000213213	1.84039
Tgfbr1	NM_009370	0.000213978	1.36925
Lipt1	NM_001037918	0.000215124	0.751774
Sigirr	NM_023059	0.000215409	0.773498
D8Ert82e	NM_172911	0.000216788	0.726773
Mrpl55	NM_026035	0.00021707	0.800628

Tbx18	NM_023814	0.000217251	1.33262
Creb1	NM_133828	0.000217697	1.35642
Cd53	NM_007651	0.000219153	1.2985
Wisp2	NM_016873	0.00021943	1.70012
Ndufc2	NM_024220	0.000219754	0.73456
Id2	NM_010496	0.000221926	2.26283
Ambra1	NM_172669	0.000222613	1.12543
Schip1	NM_001113421	0.000222878	0.830706
Pdrg1	NM_178939	0.00022348	0.830329
Hibadh	NM_145567	0.000223768	0.797201
Frzb	NM_011356	0.00022415	1.85631
Pknox2	NM_148950	0.000224322	1.34416
Mitf	NM_001113198	0.000225315	0.712211
Wdfy3	NM_172882	0.000225884	1.22567
Cox4i1	NM_009941	0.000226437	0.841451
Stk40	NM_028800	0.000227147	0.74
Slc1a5	NM_009201	0.000227442	1.49348
Fn1	NM_010233	0.000229866	1.80703
Caprin1	NM_016739	0.000232643	0.904405
Fbp2	NM_007994	0.000232864	0.579758
Polg	NM_017462	0.000233741	0.909486
Cbx5	NM_001110216	0.000233777	1.1672
Grn	NM_008175	0.000234016	1.24683
Mcpt2	NM_008571	0.000236215	1.65309
Pfkm	NM_021514	0.000237715	0.89145
Aldh111	NM_027406	0.000237885	0.712423
Oplah	NM_153122	0.00023927	0.765226
Rfxap	NM_133231	0.000241025	0.866597
Il1r1	NM_008362	0.000242056	1.25108
Tmem98	NM_029537	0.000244924	1.22037
Susd2	NM_027890	0.000245167	1.58962
Elovl1	NM_019422	0.000245718	1.23335
Glt8d2	NM_029102	0.000246239	1.29241
Cxcl16	NM_023158	0.000246629	1.35031
Mxra8	NM_024263	0.000247063	1.30399
Olfml2b	NM_177068	0.000248343	1.7808
Dusp18	NM_173745	0.000249672	0.609176
Sema4a	NM_013658	0.000250023	0.716395
9530058B02Rik	BC024332	0.000250026	0.761172
Hrasls3	NM_139269	0.000251133	0.664561
Sema3c	NM_013657	0.000251776	0.583072
Slamf9	NM_029612	0.000255411	0.750475
Fbxo16	NM_015795	0.000256307	0.75495
Mrpl9	NM_030116	0.000256468	0.850913
Ttc7	NM_028639	0.000257252	0.710776
Notch3	NM_008716	0.000257534	1.33646
Psm6	NM_008946	0.000257873	0.815265

Mapk10	NM_009158	0.000258196	0.788234
Pnck	NM_012040	0.000259936	0.696751
Xpnpep2	NM_133213	0.000260599	0.617852
Aqp7	NM_007473	0.000263077	0.56702
Fcna	NM_007995	0.000263149	0.66971
Stom	NM_013515	0.000264238	0.723427
Chst10	NM_145142	0.00026531	1.18443
Sh3rf1	NM_021506	0.000268443	1.10572
6430550H21Rik	BC062956	0.000268732	1.35291
Ttc15	NM_178811	0.00026933	0.870238
Decr1	NM_026172	0.000270357	0.757839
Ssfa2	NM_080558	0.000270692	1.16715
Olfm2	NM_173777	0.000271251	1.66537
Acadm	NM_007382	0.000271774	0.811077
Mrps17	NM_025450	0.000272336	0.804619
Afg3l1	NM_054070	0.000272809	0.895298
Nts	NM_024435	0.000272865	2.4427
Alad	NM_008525	0.000275595	0.791242
Lama2	NM_008481	0.00027655	1.17725
Epyc	NM_007884	0.000278566	2.44486
Ace2	NM_027286	0.000284831	0.527782
Myh10	NM_175260	0.000285105	1.39903
0610012G03Rik	BC021536	0.000285512	0.802391
Itgav	NM_008402	0.000285666	1.21276
6720469N11Rik	BC062651	0.000286552	1.43023
Esrrb	NM_011934	0.000287946	0.60507
Zbtb8b	NM_153541	0.000288415	1.47805
Myo10	NM_019472	0.000288964	0.71679
Aldh1a3	NM_053080	0.000292192	1.64151
Acad11	NM_175324	0.000292375	0.654943
Endod1	NM_028013	0.000292521	1.17608
Maged2	ENSMUST00000112700	0.000292828	1.28852
Dgkd	BC048957	0.000294964	0.844947
Cdc2l6	NM_198164	0.000295464	1.38424
Dbt	NM_010022	0.00029708	0.687743
Ndufs6	NM_010888	0.000297189	0.747445
Gatm	NM_025961	0.000299083	1.58647
Tcp11l2	NM_146008	0.000299567	0.787878
Acaa2	NM_177470	0.000299573	0.750778
Siglech	NM_178706	0.000299761	0.661441
Thbs3	NM_013691	0.000300866	1.26642
S1pr3	NM_010101	0.00030091	0.635361
Nckap1l	NM_153505	0.000301127	1.34936
Gcgr	NM_008101	0.000302882	1.56854
Map3k12	NM_009582	0.000303161	1.20068
Slc16a3	NM_001038653	0.000304554	1.8525
Slc44a5	NM_001081263	0.000305572	0.828647

Sod2	NM_013671	0.000305661	0.824236
Smpd2	NM_009213	0.000306311	0.70991
Gjc1	NM_008122	0.000307998	1.24059
Osmr	NM_011019	0.000308531	1.32657
Bckdhb	NM_199195	0.000309759	0.676299
Emr4	NM_139138	0.000310118	1.44584
Adamts5	NM_011782	0.000310891	0.680985
Pcp4	NM_008791	0.000313941	0.70888
Galnt3	NM_015736	0.000315387	1.32728
Nkd1	NM_027280	0.000316201	1.44136
A930038C07Rik	BC047154	0.000316794	0.657365
Pxmp2	NM_008993	0.000317217	0.560281
Hk2	NM_013820	0.00031779	0.819478
Baz1b	NM_011714	0.000319437	1.10069
Pilra	NM_153510	0.000320091	2.24299
Icam1	NM_010493	0.000322533	1.21256
Ckmt2	NM_198415	0.000322991	0.810775
Slc25a34	NM_001013780	0.000323245	0.675045
Tll2	NM_011904	0.000324167	0.671692
Tmem100	NM_026433	0.000333517	0.785376
Mmp3	NM_010809	0.000334006	1.84379
Chd3	NM_146019	0.000334241	1.16895
Ltbp4	NM_175641	0.000338975	1.38695
Nit2	NM_023175	0.000340163	0.81247
Il6st	NM_010560	0.000341825	1.14557
Coro2b	NM_175484	0.000343797	0.868366
Elmo3	NM_172760	0.000346405	1.23339
6330416G13Rik	BC023748	0.000347725	0.783485
Satb1	NM_009122	0.000348962	1.14991
Mtap7	NM_008635	0.000350474	0.867552
Qsox2	NM_153559	0.000351531	0.751552
Sema6a	NM_018744	0.000352532	0.717778
Ndufa5	NM_026614	0.000356775	0.766471
Pnkd	NM_001039509	0.000358377	0.759422
Tbrg4	NM_134011	0.000359864	0.85967
Pet112l	NM_144896	0.000362094	0.799225
Mrpl50	NM_178603	0.000363226	0.825817
Atad2	NM_027435	0.000368607	1.40109
Pigy	NM_025574	0.0003692	0.847516
Stap2	NM_145934	0.000370064	0.776148
Luzp2	NM_178705	0.000372227	0.797511
1500005A01Rik	AB054001	0.000375129	0.721457
Chad	NM_007689	0.000375549	1.99285
Ech1	NM_016772	0.000376778	0.741401
B230317C12Rik	NM_019833	0.000378509	0.737583
Dffa	NM_001025296	0.000380335	0.81151
Rlbp11l	NM_028940	0.000382111	0.664005

Cygb	NM_030206	0.000382755	1.23266
Oxct1	NM_024188	0.00038279	0.860486
Ccr1	NM_009912	0.000387488	0.477001
Higd1b	NM_080846	0.00038772	0.778831
Sephs2	NM_009266	0.000388082	0.836618
Mrpl47	NM_029017	0.00038835	0.769244
Aldh1a2	NM_009022	0.000388675	2.17706
Slk	NM_009289	0.000391959	1.30298
Ptpns	NM_011218	0.000391961	1.1076
H2-Eb1	NM_010382	0.000395115	0.738218
Id3	NM_008321	0.000396397	1.81507
Slc37a2	NM_020258	0.000397406	1.29723
Atp5g3	NM_175015	0.000398886	0.833511
Mrps7	NM_025305	0.000399781	0.835271
Sh3d19	NM_001082414	0.000403346	1.19867
Mertk	NM_008587	0.000405616	1.22753
Atp7a	NM_001109757	0.000406573	1.29048
Kctd8	NM_175519	0.000411035	1.41155
P4ha3	NM_177161	0.000414886	1.35313
4632415K11Rik	BC030874	0.000415135	0.727228
Prkra	NM_011871	0.00041566	0.844494
Acss1	NM_080575	0.000417897	0.743328
BC029169	BC029169	0.000420667	1.16434
9630033F20Rik	BC147705	0.000421381	0.826121
Csnk1d	NM_027874	0.000422709	1.16608
Rps6ka1	NM_009097	0.000425539	1.18841
Sox17	NM_011441	0.000426262	1.4991
Dpep2	NM_176913	0.000426822	1.44694
Akap1	NM_009648	0.000429532	0.851642
Spryd4	NM_025716	0.000430704	0.795662
Acy1	NM_025371	0.000431851	0.810905
2410137M14Rik	BC147446	0.000435723	0.46986
2310039E09Rik	NM_026509	0.000436978	0.790507
Poldip2	NM_026389	0.000439713	0.830339
Ppfia2	NM_177373	0.000439715	1.39158
Sh3tc2	NM_172628	0.000441036	0.851215
Lrrtm3	NM_178678	0.000442894	1.3824
Prmt7	NM_145404	0.000443781	0.841689
Atp5o	NM_138597	0.000445783	0.690287
Pthr1	NM_011199	0.000448475	1.37345
Robo1	NM_019413	0.000448631	1.38079
Ubl5	NM_025401	0.00044879	0.802081
Muc4	NM_080457	0.000449589	0.834029
Cdh8	NM_007667	0.000452886	1.16916
Alox5	NM_009662	0.000455053	0.74173
Mgat4a	NM_173870	0.00046051	1.24285
Lcp1	NM_008879	0.000461818	1.45528

Mib1	NM_144860	0.00046363	1.20624
Paqr4	NM_023824	0.000465622	0.758855
Syt5	NM_016908	0.000468767	1.54637
Stx3	NM_152220	0.000470423	1.23743
Mrps25	NM_025578	0.000472879	0.796652
Cd274	NM_021893	0.000473743	0.47897
4930455C21Rik	BC002243	0.000473998	0.853046
Elovl7	NM_029001	0.000474957	0.542735
Nlgn2	NM_198862	0.000475922	1.2309
Selenbp2	NM_019414	0.000477947	0.723458
Mapk14	NM_011951	0.000478245	0.806728
4930519N13Rik	NM_207204	0.000480871	1.32714
Zfp251	NM_001007568	0.000483802	0.862586
Ak3	NM_021299	0.000489124	0.787279
Trim54	NM_021447	0.000489807	0.738124
Eno2	NM_013509	0.000494122	1.52487
Aldob	NM_144903	0.000494578	0.438115
Rxrg	NM_009107	0.000495014	0.684227
Chchd10	NM_175329	0.00049649	0.775254
Pdhb	NM_024221	0.000499878	0.767505
AI593442	NM_178906	0.000499958	0.449196
Mrpl24	NM_026591	0.000500522	0.903762
Rhd	NM_011270	0.000500729	0.728584
Efcab5	NM_176965	0.00050298	0.789247
Kif21a	NM_001109040	0.000505402	0.839917
Slc25a20	NM_020520	0.000506638	0.697551
Nav2	NM_175272	0.000507245	0.728473
Polrmt	NM_172551	0.000507887	0.828066
Rps6kl1	NM_146244	0.000512505	0.716762
Rcor1	NM_198023	0.000513217	1.10367
Pygb	NM_153781	0.0005175	1.11944
Arhgap18	NM_176837	0.000519187	0.761436
Pik3ap1	NM_031376	0.000520776	1.25782
Naip3	ENSMUST00000103563	0.000525756	0.730579
Irf5	NM_012057	0.000527896	1.16034
Slc15a2	NM_021301	0.000528978	0.533862
Dync1h1	NM_030238	0.000529295	1.25315
Slc25a13	NM_015829	0.000529313	0.712487
Aifm2	NM_001039194	0.000530233	0.837971
Sh2d3c	NM_013781	0.000530622	0.80142
Smc1b	NM_080470	0.000531232	1.10624
Faim2	NM_028224	0.000534858	1.378
Zmiz1	NM_183208	0.000535407	1.21805
Smarcd3	NM_025891	0.000536002	1.25946
Rgs17	NM_019958	0.000537603	1.67942
Mrpl11	NM_025553	0.000539255	0.802371
Acad9	NM_172678	0.000539513	0.890054

Mpst	NM_138670	0.000540007	0.808391
Armcx2	NM_026139	0.000540077	1.22876
Mrpl37	NM_025500	0.00054022	0.822003
Dlg2	NM_011807	0.000540264	1.27088
Dync2h1	NM_029851	0.000540443	0.544687
Ptn	NM_008973	0.000540748	2.64507
Aof1	NM_172262	0.000540815	0.803651
Cbfb	NM_022309	0.000542999	1.12555
Cd209d	NM_130904	0.000544635	0.592655
Pcyt2	NM_024229	0.000545403	0.78572
Itih2	NM_010582	0.000548995	2.08582
Tuft1	NM_011656	0.000549697	0.579646
Stau1	NM_001109906	0.00055854	1.07625
Gstz1	NM_010363	0.000559494	0.7715
Cep192	BC064462	0.000562994	1.2547
Lgmn	NM_011175	0.000563029	1.2141
Lrp6	NM_008514	0.00056356	1.16525
1110007M04Rik	BC028764	0.000563804	0.757986
St6gal1	NM_145933	0.000565445	0.782299
Pmpca	NM_173180	0.000566724	0.878571
Mast2	NM_001042743	0.000567359	0.914713
Pcnx	NM_018814	0.000567398	1.15122
Trip10	NM_134125	0.0005682	0.887914
Al836003	BC090621	0.00056984	1.43964
Cd72	NM_001110320	0.000570408	1.38957
Zfp30	NM_013705	0.00057068	0.695997
Slc16a6	NM_001029842	0.000570793	0.691996
BC024814	BC024814	0.000571813	0.756552
Foxc1	NM_008592	0.000572512	1.21186
Gmpr	NM_025508	0.000575891	0.806581
Cyp1a1	NM_009992	0.000577989	1.70504
1810009O10Rik	BC027022	0.000578532	0.786694
Meox2	NM_008584	0.000579407	0.726789
BC021891	NM_145608	0.000582577	0.830741
Rhot2	NM_145999	0.000583696	0.829676
Loxl3	NM_013586	0.000584411	1.53758
Kctd9	NM_001111028	0.000584809	0.766908
Itih5	NM_172471	0.000587659	1.3545
Itgam	NM_001082960	0.00059224	1.33862
Sntb2	NM_009229	0.000593042	1.20367
Repin1	NM_001079901	0.000593867	0.847549
Gsn	NM_146120	0.000594913	1.16035
Supv3l1	NM_181423	0.000600955	0.795261
Smap2	NM_133716	0.000607155	0.82405
Cx3cr1	BC012653	0.00061778	1.72267
Cnn2	NM_007725	0.000618386	0.760541
Stc1	NM_009285	0.000619031	1.95083

Hecw2	NM_001001883	0.000622277	1.3429
Dnm3	NM_001038619	0.000623049	0.797503
Klhl31	NM_172925	0.000625153	0.819618
Galnt1	NM_001081421	0.000625419	0.717808
Fcgr4	NM_144559	0.000626677	1.64752
Tmem176b	NM_023056	0.000627536	1.32529
Pptc7	NM_177242	0.000629917	0.805304
Adar	NM_001038587	0.000632359	0.861217
Slc43a3	NM_021398	0.000636463	1.33278
Cpz	NM_153107	0.000637131	1.44384
Bri3bp	NM_029752	0.000638147	0.784906
Pi15	NM_053191	0.000641851	2.04589
Acp2	NM_007387	0.000641894	1.15119
Selenbp1	NM_009150	0.000643447	0.618201
Klhdc8b	NM_030075	0.00065118	1.22267
1110018M03Rik	BC027250	0.000653801	0.552816
Eef1e1	NM_025380	0.00065489	0.820098
Plxdc1	NM_028199	0.000658672	0.806375
Usp47	NM_133758	0.000659361	1.26389
X99384	NM_013753	0.000664685	0.794862
2310014G06Rik	NM_001082975	0.000665101	0.79207
Hisppd2a	NM_178795	0.000666045	0.724783
Nola2	NM_026631	0.000666133	0.849462
Epb4.1l1	NM_013510	0.000666832	1.14293
Galnt12	NM_030166	0.000667748	1.55916
BC106179	BC106179	0.000668602	0.765829
Prep	NM_011156	0.000671853	0.79663
Alkbh7	NM_025538	0.000672107	0.767992
Olf1197	NM_001005225	0.000674087	2.04652
Smc1a	NM_019710	0.000676321	1.20242
Mdh2	NM_008617	0.0006778	0.890591
Il16	NM_010551	0.000679422	0.763166
AU040320	NM_133886	0.000680129	0.859698
Abcb10	NM_019552	0.000681976	0.785138
4930452B06Rik	BC064468	0.000686159	0.655489
Ccdc68	NM_201362	0.000693339	1.92509
2310002L09Rik	BC115483	0.000695341	0.741738
Adk	NM_134079	0.000696026	0.741396
Mpi	NM_025837	0.000696707	0.745284
Zfp385b	NM_178723	0.000697671	1.2444
Mfsd4	NM_172510	0.000697786	0.596101
Arrb2	NM_145429	0.00070028	1.22865
Eepd1	NM_026189	0.000703146	0.615485
Phlda1	NM_009344	0.000708727	0.589666
Ccl8	NM_021443	0.000709652	0.539296
Gdf10	NM_145741	0.000712322	1.48434
Ostm1	NM_172416	0.00071488	0.782526

Krt222	BC079890	0.000715059	0.673178
Gpr65	NM_008152	0.000716856	1.78421
Ndufa11	BC059729	0.000721255	0.742537
Ptplad2	NM_025760	0.000726594	0.786936
Cadm1	NM_207675	0.000728038	1.16859
Blnk	NM_008528	0.000731626	0.788601
Ano6	NM_175344	0.000732376	1.15562
4632411B12Rik	BC132293	0.000734964	1.12585
Taz	NM_181516	0.000737309	0.882696
Lrrc48	NM_029044	0.000741475	0.813944
Htra1	NM_019564	0.000741819	0.762321
Sipa1	NM_011379	0.000742474	0.833789
Tpbg	NM_011627	0.000747	1.31866
Oxad1	NM_145460	0.00074736	0.811837
Ddr1	NM_007584	0.000750136	1.41197
Slc41a1	NM_173865	0.000759761	0.717083
Parp14	NM_001039530	0.000760029	0.819408
Ptk2b	NM_172498	0.000761935	1.22688
Hsd1l	NM_175185	0.00076462	0.870265
Calhm2	ENSMUST00000035822	0.000768283	1.38724
Adarb1	NR_004429	0.000770657	1.12786
Lgals9	NM_010708	0.00077217	0.757566
Cux1	NM_009986	0.000773874	1.21705
Ceacam12	NM_026087	0.000778014	1.17143
Frem1	NM_177863	0.000781277	2.18158
2310001A20Rik	BC055706	0.000782539	0.823548
Fhod3	NM_175276	0.000787207	0.778623
Mgmt	NM_008598	0.000790694	0.721403
Ddit4l	NM_030143	0.000791744	0.646944
Pdhx	NM_175094	0.000795055	0.728845
Mrpl19	NM_026490	0.00079521	0.862631
1500015O10Rik	NM_024283	0.00079746	1.55746
Pld1	NM_008875	0.000797753	1.18966
Rtn4r	NM_022982	0.000799876	0.491975
Glrx	NM_053108	0.000800497	0.737485
Clec7a	NM_020008	0.000804769	1.43167
6430706D22Rik	BC057309	0.000807532	1.23475
4432416J03Rik	NM_030069	0.000809638	0.667333
Pvrl3	NM_021496	0.000812693	1.10509
Ptx3	NM_008987	0.000814849	1.64503
BC020535	BC020535	0.000816143	0.831476
Slc38a5	NM_172479	0.000817897	1.38565
Pex19	NM_023041	0.000818436	0.808595
Tusc2	NM_019742	0.000818445	0.853985
Fzd7	NM_008057	0.000820276	1.38106
Slc15a4	NM_133895	0.000820705	1.11376
Tppp3	NM_026481	0.000825778	0.774432

Ly86	NM_010745	0.000826509	1.50671
Tgtp	NM_011579	0.000830593	0.608611
Gyk	NM_212444	0.000831867	0.696852
Fxyd5	NM_008761	0.000832057	1.46224
Slc43a1	NM_001081349	0.000832472	0.827321
Thbs4	NM_011582	0.000836951	0.795313
Wars	NM_011710	0.000839217	0.862924
Doc2g	NM_021791	0.000849734	0.744465
Sidt1	NM_198034	0.00085058	0.746958
Pkia	NM_008862	0.000852465	0.74894
Dll1	NM_007865	0.000855772	0.710084
Rom1	NM_009073	0.000855818	0.684806
Pgf	NM_008827	0.000855933	0.65173
Meox1	NM_010791	0.000856113	1.68933
Ramp2	NM_019444	0.00085753	1.11052
Olfr1170	NM_146532	0.000859341	1.29142
Ep400	NM_029337	0.000860531	1.0934
Mfap2	NM_008546	0.000860595	1.35921
Nmnat1	NM_133435	0.000861036	0.755864
Gpr37l1	NM_134438	0.000863931	0.692762
Sult1a1	NM_133670	0.000864558	0.627313
Lysmd4	NM_175215	0.000867802	0.746023
Dgkg	NM_138650	0.000868891	1.33526
Hdac11	NM_144919	0.000873845	0.789433
Gsta3	NM_001077353	0.000874921	0.780923
Camkk2	NM_145358	0.000878051	1.28041
Ano4	NM_178773	0.000882153	0.740076
9130005N14Rik	NM_026667	0.000882963	1.21184
Tep1	NM_009351	0.000884524	1.10128
D930015E06Rik	BC062940	0.000886336	0.826074
Spats2	NM_139140	0.000886457	1.20196
Ppbp	NM_023785	0.000894501	0.583445
Palm2	NM_172868	0.000900924	1.28203
Fgfr1op	NM_201230	0.000902372	0.769077
Rgs4	NM_009062	0.000902746	0.731588
Sdhb	NM_023374	0.000905335	0.754846
Ncald	NM_134094	0.000908714	0.827758
Rai12	NM_018740	0.000909342	0.858534
Klh4	NM_172781	0.000913771	0.680214
1810014F10Rik	NM_026928	0.000916844	0.87952
Mmp23	NM_011985	0.000933541	1.37445
Dlst	NM_030225	0.000933982	0.876364
Gramd1a	NM_027898	0.000935952	0.878924
Akap12	NM_031185	0.00094044	1.29438
Them2	NM_025790	0.000945951	0.779546
Fastkd2	NM_172422	0.000946876	0.78362
BC064033	BC064033	0.000952329	1.84172

6330503K22Rik	NM_182995	0.000954487	1.2168
Klra2	NM_008462	0.000964977	1.47333
Pde10a	NM_011866	0.0009653	0.817786
Drp2	NM_010078	0.000966303	1.30062
Arntl2	NM_172309	0.000967952	1.26485
Aco1	NM_007386	0.000972193	0.900272
Echs1	NM_053119	0.000974155	0.784718
Ndufb8	NM_026061	0.000975941	0.75751
M6prbp1	NM_025836	0.000976442	0.801926
Pepd	NM_008820	0.000977761	0.870061
Gse1	NM_198671	0.000978035	1.27189
Relt	NM_177073	0.000978734	0.714786
Ston2	NM_175367	0.00098088	0.708452
Chek2	NM_016681	0.000982652	0.669124
Zdhhc14	NM_146073	0.000984293	0.81466
Acy3	NM_027857	0.000990721	0.671773