

Human gene symbol	Human locuslink	Human refseq	Number of dre	Mouse gene symbol	Mouse locu
AGT	183	NM_000029	1	Agt	11606
ALDOA	226	NM_000034	1	Aldo1	11674
GLI3	2737	NM_000168	1	Gli3	14634
IPF1	3651	NM_000209	1	Ipf1	18609
KCNQ1	3784	NM_000218	1	Kcnq1	16535
PCBD	5092	NM_000281	1	Pcbd	13180
PDHA1	5160	NM_000284	1	Pdha1	18597
PEX7	5191	NM_000288	1	Pex7	18634
SCA7	6314	NM_000333	1	Sca7	246103
SCN4A	6329	NM_000334	1	Scn4a	110880
SPTB	6710	NM_000347	1	Spnb1	20741
HSD17B1	3292	NM_000413	1	Hsd17b1	15485
OXCT	5019	NM_000436	1	Oxct	67041
PON1	5444	NM_000446	1	Pon1	18979
TWIST1	7291	NM_000474	1	Twist1	22160
NCAM1	4684	NM_000615	1	Ncam1	17967
IFNAR1	3454	NM_000629	1	Ifnar1	15975
ALDH3A1	218	NM_000691	1	Aldh3a1	11670
CHRNA3	1136	NM_000743	1	Chrna3	110834
CSF2	1437	NM_000758	1	Csf2	12981
GABRA2	2555	NM_000807	1	Gabra2	14395
GRIN2C	2905	NM_000835	1	Grin2c	14813
GUK1	2987	NM_000858	1	Guk1	14923
IL2RB	3560	NM_000878	1	Il2rb	16185
ITGB7	3695	NM_000889	1	Itgb7	16421
PPIC	5480	NM_000943	1	Ppic	19038
RPL22	6146	NM_000983	1	Rpl22	19934
RPS3	6188	NM_001005	1	Rps3	27050
SLC2A4	6517	NM_001042	1	Slc2a4	20528
TACR1	6869	NM_001058	1	Tacr1	21336
ABP1	26	NM_001091	1	Abp1	76507
	10227	NM_001120	1	Tetran-pending	68294
AEBP1	165	NM_001129	1	Aebp1	11568
ANXA11	311	NM_001157	1	Anxa11	11744
BTF3	689	NM_001207	1		218490
CALU	813	NM_001219	1	Calu	12321
CCNH	902	NM_001239	1	Ccnh	66671
CHC1	1104	NM_001269	1	Chc1	100088
CIRBP	1153	NM_001280	1	Cirbp	12696
DNASE1L2	1775	NM_001374	1	Dnase1l2	66705
DRG2	1819	NM_001388	1	Drg2	13495
FBL	2091	NM_001436	1	Fbl	14113
FABP5	2171	NM_001444	1	Fabp5	16592
GPC4	2239	NM_001448	1	Gpc4	14735
G6PT1	2542	NM_001467	1	G6pt1	14385
ACADSB	36	NM_001609	1	Acadsb	66885
ADPRT	142	NM_001618	1	Adprt1	11545
APOF	319	NM_001638	1	Apof	103161
ATP2A2	488	NM_001681	1	Atp2a2	11938
POLR3D	661	NM_001722	1	Polr3d	67065
BPGM	669	NM_001724	1	Bpgm	12183

CD34	947 NM_001773	1 Cd34	12490
CDC42	998 NM_001791	1 Cdc42	12540
CDH4	1002 NM_001794	1 Cdh4	12561
CLCN3	1182 NM_001829	1 Clcn3	12725
COL6A2	1292 NM_001849	1 Col6a2	12834
CRYM	1428 NM_001888	1 Crym	12971
CYC1	1537 NM_001916	1 Cyc1	66445
EEF1D	1936 NM_001960	1 Eef1d	66656
EIF4E	1977 NM_001968	1 Eif4e	13684
EPS15	2060 NM_001981	1 Eps15	13858
FAU	2197 NM_001997	1 Fau	14109
GATA4	2626 NM_002052	1 Gata4	14463
GOLGA4	2803 NM_002078	1 Golga4	54214
HSPD1	3329 NM_002156	1 Hspd1	15510
IL9R	3581 NM_002186	1 Il9r	16199
JUN	3725 NM_002228	1 Jun	16476
KCNA6	3742 NM_002235	1 Kcna6	16494
LBR	3930 NM_002296	1 Lbr	98386
LTK	4058 NM_002344	1 Ltk	17005
M6PR	4074 NM_002355	1 M6pr	17113
MAD2L1	4085 NM_002358	1 Mad2l1	56150
MDK	4192 NM_002391	1 Mdk	17242
MST1R	4486 NM_002447	1 Mst1r	19882
NDUFA2	4695 NM_002488	1 Ndufa2	17991
PCDH8	5100 NM_002590	1 Pcdh8	18530
PCNA	5111 NM_002592	1 Pcna	18538
PCTK2	5128 NM_002595	1 Pctk2	237459
POLG	5428 NM_002693	1 Polg	18975
PPY	5539 NM_002722	1 Ppy	19064
PRKACA	5566 NM_002730	1 Prkaca	18747
PTPN4	5775 NM_002830	1 Ptpn4	19258
PCYT2	5833 NM_002861	1 1110033E03Rik	68671
RAD51L3	5892 NM_002878	1 Rad51l3	19364
RFX1	5989 NM_002918	1 Rfx1	19724
RPA3	6119 NM_002947	1 Rpa3	68240
RXRA	6256 NM_002957	1 Rxra	20181
MAPK12	6300 NM_002969	1 Mapk12	29857
SATB1	6304 NM_002971	1 Satb1	20230
CCL11	6356 NM_002986	1 Ccl11	20292
MAP2K4	6416 NM_003010	1 Map2k4	26398
SH3GL2	6456 NM_003026	1 Sh3gl2	20404
SH3GL3	6457 NM_003027	1 Sh3gl3	20408
SHC1	6464 NM_003029	1 Shc1	20416
SLC16A1	6566 NM_003051	1 Slc16a1	20501
SNCB	6620 NM_003085	1 Sncb	104069
SNRPA1	6627 NM_003090	1 Snrpa1	68981
SPAG4	6676 NM_003116	1 1700041K21Rik	245865
TFAM	7019 NM_003201	1 Tfam	21780
TFAP4	7023 NM_003223	1 Tfap4	83383
TFR2	7036 NM_003227	1 Trfr2	50765
TGFA	7039 NM_003236	1 Tgfa	21802
THOP1	7064 NM_003249	1 Thop1	50492

ICAM5	7087 NM_003259	1 Icam5	15898
TPD52L1	7164 NM_003287	1 Tpd52l1	21987
TRIP6	7205 NM_003302	1 Trip6	22051
TRPC1	7220 NM_003304	1 Trpc1	22063
TSSC3	7262 NM_003311	1 Tssc3	22113
TST	7263 NM_003312	1 Tst	22117
TTK	7272 NM_003318	1 Ttk	22137
UBE2N	7334 NM_003348	1 Ube2n	93765
UQCRC2	7385 NM_003366	1 Uqcrc2	67003
VIM	7431 NM_003380	1 Vim	22352
XPNPEP2	7512 NM_003399	1 Xpnpep2	170745
ZIC3	7547 NM_003413	1 Zic3	22773
ZNF202	7753 NM_003455	1 Zfp202	80902
ZNF205	7755 NM_003456	1 Zfp13	22654
SYN3	8224 NM_003490	1 Syn3	27204
SPOP	8405 NM_003563	1 Spop	20747
STK24	8428 NM_003576	1 Stk24	223255
CNTNAP1	8506 NM_003632	1 Cntnap1	53321
ENC1	8507 NM_003633	1 Enc1	13803
TNFSF11	8600 NM_003701	1 Tnfsf11	21943
EIF3S10	8661 NM_003750	1 Eif3	13669
B4GALT4	8702 NM_003778	1 B4galt4	56375
CRADD	8738 NM_003805	1 Cradd	12905
DPM1	8813 NM_003859	1 Dpm1	13480
SYNJ2	8871 NM_003898	1 Synj2	20975
APPBP1	8883 NM_003905	1 Appbp1	234664
CPNE3	8895 NM_003909	1 Cpne3	70568
BCL10	8915 NM_003921	1 Bcl10	12042
ATP6V0E	8992 NM_003945	1 Atp6v0e	11974
CH25H	9023 NM_003956	1 Ch25h	12642
CLCNKA	1187 NM_004070	1 Clcnk1	12733
GNG11	2791 NM_004126	1 Gng11	66066
HABP2	3026 NM_004132	1	226243
NINJ1	4814 NM_004148	1 Ninj1	18081
SLC7A4	6545 NM_004173	1 Slc7a4	224022
SLC22A8	9376 NM_004254	1 Slc22a8	19879
SURB7	9412 NM_004264	1 Surb7	108098
CRSP8	9442 NM_004269	1 1500015J03Rik	68975
BMPR1A	657 NM_004329	1 Bmpr1a	12166
CCNG2	901 NM_004354	1 Ccng2	12452
CD81	975 NM_004356	1 Cd81	12520
COL12A1	1303 NM_004370	1 Col12a1	12816
FOXD2	2306 NM_004474	1 Foxd2	17301
HOXB7	3217 NM_004502	1 Hoxb7	15415
NDUFB2	4708 NM_004546	1 Ndufb2	68198
NDUFC2	4718 NM_004549	1 1810004I06Rik	68197
OVOL1	5017 NM_004561	1 Ovol1	18426
RABGGTA	5875 NM_004581	1 Rabggta	56187
TBCA	6902 NM_004607	1 Tbca	21371
TOP3A	7156 NM_004618	1 Top3a	21975
MTA1L1	9219 NM_004739	1 Mta1l1	23942
NUMBL	9253 NM_004756	1 Numbl	18223

CNOT8	9337 NM_004779	1 Cnot8	69125
SLC9A3R2	9351 NM_004785	1 Slc9a3r2	65962
HAND1	9421 NM_004821	1 Hand1	15110
KIF23	9493 NM_004856	1 Kif23	71819
	9518 NM_004864	1 Gdf15	23886
ABCG1	9619 NM_004915	1 Abcg1	11307
AQP3	360 NM_004925	1 Aqp3	11828
CDK5	1020 NM_004935	1 Cdk5	12568
SLC29A1	2030 NM_004955	1 Slc29a1	63959
GDF10	2662 NM_004962	1 Gdf10	14560
JMJ	3720 NM_004973	1 Jmj	16468
MYBPH	4608 NM_004997	1 Mybph	53311
PDE1C	5137 NM_005020	1 Pde1c	18575
SLC4A3	6508 NM_005070	1 Slc4a3	20536
XBP1	7494 NM_005080	1 Xbp1	22433
FGF19	9965 NM_005117	1 Fgf15	14170
HIP1	3092 NM_005338	1	215114
HKR3	3104 NM_005341	1 0610011D15Rik	100090
HSPA5	3309 NM_005347	1 Hspa5	14828
JUND	3727 NM_005354	1 Jund1	16478
PCMT1	5110 NM_005389	1 Pcmt1	18537
PODXL	5420 NM_005397	1 Podxl	27205
P2RXL1	9127 NM_005446	1 P2rxl1	18440
IDH3A	3419 NM_005530	1 Idh3a	67834
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RHEB2	6009 NM_005614	1 Rheb	19744
NR2F1	7025 NM_005654	1 Nr2f1	13865
TIEG	7071 NM_005655	1 Tieg1	21847
UFD1L	7353 NM_005659	1 Ufd1l	22230
VDAC3	7419 NM_005662	1 Vdac3	22335
	7905 NM_005669	1 Dp1	13476
PQBP1	10084 NM_005710	1 Pqbp1	54633
COL4A3BP	10087 NM_005713	1 Col4a3bp	68018
	10099 NM_005724	1 Tm4sf8-pending	56434
TFSM	10102 NM_005726	1 2310050B20Rik	66399
	10106 NM_005730	1 D10Ertd73e	52468
RAD50	10111 NM_005732	1 Rad50	19360
TRIM28	10155 NM_005762	1 Trim28	21849
	10174 NM_005775	1 Sh3d4	20410
MPHOSPH6	10200 NM_005792	1 Mphosph6	68533
	10210 NM_005802	1 AW105885	106021
	10248 NM_005837	1 Rpp20-pending	74097
MADH7	4092 NM_005904	1 Madh7	17131
MFAP3	4238 NM_005927	1 2700079M14Rik	216760
MMP11	4320 NM_005940	1 Mmp11	17385
MTHFD1	4522 NM_005956	1 Mthfd1	108156
SIAT8B	8128 NM_006011	1 Siat8b	20450
CPNE6	9362 NM_006032	1 Cpne6	12891
HS3ST3B1	9953 NM_006041	1 Hs3st3b	54710
ZNFN1A1	10320 NM_006060	1 Znfn1a1	22778
TFG	10342 NM_006070	1 Tfg	21787
TOMM40	10452 NM_006114	1 Tomm40	53333

MS4A3	932 NM_006138	1 Ms4a3	170813
NCK1	4690 NM_006153	1 Nck1	17973
NEDD8	4738 NM_006156	1 Nedd8	18002
NFE2L2	4780 NM_006164	1 Nfe2l2	18024
NTN2L	4917 NM_006181	1 Ntn3	18209
TLN1	7094 NM_006289	1 Tln	21894
XRCC1	7515 NM_006297	1 Xrcc1	22594
NPEPPS	9520 NM_006310	1 Psa	19155
FBLN5	10516 NM_006329	1 Fbln5	23876
CAP2	10486 NM_006366	1 Cap2	67252
APPBP2	10513 NM_006380	1 1300003O07Rik	66884
	10533 NM_006395	1 Apg7l	74244
	10635 NM_006479	1 Rad51ap1	19362
SLC2A1	6513 NM_006516	1 Slc2a1	20525
	10926 NM_006716	1 Ask-pending	27214
BTG2	7832 NM_006763	1 Btg2	12227
EHD1	10938 NM_006795	1 Ehd1	13660
STARD3	10948 NM_006804	1 Stard3	59045
EBNA1BP2	10969 NM_006824	1 Ebna1bp2	69072
SC5DL	6309 NM_006918	1 Sc5d	235293
SIAT4B	6483 NM_006927	1 Siat5	20444
SOX5	6660 NM_006940	1 Sox5	20678
CLDN10	9071 NM_006984	1 Cldn10	58187
TACC2	10579 NM_006997	1 Tacc2	57752
ADAMTS5	11096 NM_007038	1 Adamts5	23794
TFEB	7942 NM_007162	1 Tcfef	21425
POMT1	10585 NM_007171	1 Pomt1	99011
INSL6	11172 NM_007179	1 Insl6	27356
BRD3	8019 NM_007371	1 Brd3	67382
SIX6	4990 NM_007374	1 Six6	20476
GRHPR	9380 NM_012203	1 Grhpr	76238
LTB4DH	22949 NM_012212	1 Ltb4dh	67103
NT5C2	22978 NM_012229	1 Nt5c2	76952
SLC35A3	23443 NM_012243	1 Slc35a3	229782
	22929 NM_012247	1 1110046B24Rik	109079
DNAJB5	25822 NM_012266	1 Dnajb5	56323
AP2A2	161 NM_012305	1 Ap2a2	11772
LSM4	25804 NM_012321	1 Lsm4	50783
OSTF1	26578 NM_012383	1 Sh3d3	20409
PFDN2	5202 NM_012394	1 Pfdn2	18637
PITPNB	23760 NM_012399	1 Pitpnb	56305
STAT5B	6777 NM_012448	1 Stat5b	20851
TLL2	7093 NM_012465	1 Tll2	24087
TRPC5	7224 NM_012471	1 Trpc5	22067
SLC21A11	28232 NM_013272	1 Slc21a11	108116
RACGAP1	29127 NM_013277	1 Racgap1	26934
	29911 NM_013312	1 Hook2-pending	170833
	29933 NM_013345	1 G2a-pending	56696
USP25	29761 NM_013396	1 Usp25	30940
AK2	204 NM_013411	1 Ak2	11637
NCF4	4689 NM_013416	1 Ncf4	17972
	28972 NM_014041	1 1810004F21Rik	69019

MRPL42	28977 NM_014050	1 2900055D03Rik	67270
	28984 NM_014059	1 1190002H23Rik	66214
PPP1R8	5511 NM_014110	1 6330548N22Rik	100336
FXYD5	53827 NM_014164	1 Fxyd5	18301
	29087 NM_014174	1 D730042P09Rik	77862
	29100 NM_014187	1 1700006C06Rik	66320
TMEM4	10330 NM_014255	1 Tmem4	56530
	23474 NM_014297	1 0610025L15Rik	66071
ORC6L	23594 NM_014321	1 Orc6l	56452
SULT4A1	25830 NM_014351	1 Sult4a1	29859
CYFIP2	26999 NM_014376	1 Cyfip2	76884
ACAD8	27034 NM_014384	1 Acad8	66948
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GHITM	27069 NM_014394	1 Ghitm	66092
	30827 NM_014593	1 Cgbp-pending	74322
	9644 NM_014631	1 Fish	14218
ULK2	9706 NM_014683	1 Ulk2	29869
	9748 NM_014720	1 Stk2	20874
RNF144	9781 NM_014746	1 Rnf144	108089
PTDSS1	9791 NM_014754	1 Ptdss1	19210
TOMM70A	9868 NM_014820	1 D16lum22e	28185
	9896 NM_014845	1 A530089I17Rik	103199
SRGAP2	9901 NM_014850	1 Srgap2	117601
	23081 NM_015061	1 Gasc1-pending	76804
	23090 NM_015069	1 Ebfaz	94187
CIC	23152 NM_015125	1 Cic	71722
	23301 NM_015252	1	216565
	23376 NM_015323	1 1810074P20Rik	67490
PANX1	24145 NM_015368	1 Panx1	55991
NPDC1	56654 NM_015392	1 Npdc1	18146
	25934 NM_015469	1 2700063N13Rik	66536
	25937 NM_015472	1 2310058J06Rik	97064
SIN3A	25942 NM_015477	1 Sin3a	20466
	26012 NM_015537	1 Nelf	56876
	26122 NM_015630	1 D2Ertd694e	227867
	26151 NM_015654	1 1110028N05Rik	66176
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	27352 NM_015705	1 1810012I01Rik	105835
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	51605 NM_015939	1 CGI-09-pending	66926
	51001 NM_015942	1 2410017I18Rik	66410
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	51108 NM_016025	1 0610012D09Rik	59052
	50999 NM_016040	1 3110020O18Rik	73130
	51647 NM_016062	1 1110019N10Rik	68523
	51029 NM_016076	1 5830417C01Rik	78825
	51128 NM_016103	1 2310075M17Rik	66397
	51390 NM_016108	1 1500031O19Rik	66253
COQ7	10229 NM_016138	1 Coq7	12850
	51409 NM_016173	1 2310008M14Rik	69536

TRPC4	7223 NM_016179	1 Trpc4	22066
TMEFF2	23671 NM_016192	1 Tmeff2	56363
	51161 NM_016210	1 6430571L13Rik	235599
POLK	51426 NM_016218	1 Polk	27015
AK3L1	50808 NM_016282	1 Ak3l	56248
	51185 NM_016302	1 AF229032	58799
RHCG	51458 NM_016321	1 Rhcg	56315
RAB14	51552 NM_016322	1 Rab14	68365
IPO11	51194 NM_016338	1 2510001A17Rik	76582
	51747 NM_016424	1 Luc7a-pending	67684
	51225 NM_016428	1 2210414K06Rik	66610
	51244 NM_016474	1 C130022K22Rik	232236
GOLPH2	51280 NM_016548	1 Golph2	105348
GMPR2	51292 NM_016576	1 5730544D12Rik	105446
MRPL35	51318 NM_016622	1 Mrpl35	66223
C21orf6	10069 NM_016940	1 ORF5	53858
LDHC	3948 NM_017448	1 Ldh3	16833
	54749 NM_017549	1 Epdm2-pending	105298
	54802 NM_017646	1 lpt-pending	66966
	54808 NM_017653	1 4933427L07Rik	69190
	54810 NM_017655	1 Semcap2-pending	54120
TRPM7	54822 NM_017672	1 Trpm7	58800
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	54908 NM_017785	1 2600001J17Rik	70385
	54922 NM_017805	1 2610025P08Rik	69903
	54923 NM_017806	1 2810038K19Rik	72699
C21orf55	54943 NM_017833	1 ORF28	246738
	54962 NM_017858	1 1110005A05Rik	66131
	54970 NM_017868	1 E330017O07Rik	235330
	54981 NM_017881	1	225994
	55039 NM_017956	1 4632406N01Rik	68260
ESRRBL1	55081 NM_018010	1 Esrrbl1	73916
WBSCR20A	55695 NM_018044	1 9830109N13Rik	100609
	55122 NM_018064	1	67185
PIWIL2	55124 NM_018068	1 Piwil2	57746
	55702 NM_018074	1 2900016D05Rik	72886
	55131 NM_018077	1 2810480G15Rik	68272
	55709 NM_018095	1 2510026C23Rik	67136
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	55175 NM_018143	1	217194
	55191 NM_018161	1 Nadsyn1-pending	78914
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	55735 NM_018198	1 E030019A03Rik	230935
	55739 NM_018210	1 2810407E01Rik	69225
	55222 NM_018239	1	216011
C6orf67	55754 NM_018247	1 2010200I23Rik	69981
	55256 NM_018269	1 AL024210	104923
C11orf23	55291 NM_018312	1 D19Ertd703e	52036
C20orf29	55317 NM_018347	1 2310035K24Rik	69596
	54664 NM_018374	1 2310036D22Rik	71900
CENTA2	55803 NM_018404	1	216991
C14orf11	55837 NM_018453	1 1810011O16Rik	66266

	55840 NM_018456	1 AW048865	106389
	55374 NM_018502	1 2410015B03Rik	71983
	55379 NM_018509	1 AA959742	98238
C5orf3	10827 NM_018691	1 9030624B09Rik	67726
NXT2	55916 NM_018698	1 6330587F24Rik	237082
	55523 NM_018702	1 Adar3-pending	94191
WDR9	54014 NM_018963	1 Wdr9	93871
SNTG1	54212 NM_018967	1 Sntg1	71096
FBXW5	54461 NM_018998	1 Fbxw5	30839
	54502 NM_019027	1 BC013481	245945
	54520 NM_019044	1 4633402D15Rik	70829
	56257 NM_019606	1	231803
HTR7	3363 NM_019860	1 Htr7	15566
SARA1	56681 NM_020150	1 Sara	20224
MCCC1	56922 NM_020166	1 Mccc1	72039
DUSP22	56940 NM_020185	1 Dusp22	105352
	56949 NM_020196	1 0610041O14Rik	67439
	56954 NM_020202	1 D16Ertd502e	52633
CCNL1	57018 NM_020307	1 Ccnl	56706
AVEN	57099 NM_020371	1 1700056A21Rik	74268
C20orf3	57136 NM_020531	1 2310001A20Rik	71881
WDFY1	57590 NM_020830	1 Wdfy1	69368
	57592 NM_020832	1 4931408L03Rik	78266
CPNE5	57699 NM_020939	1 Cpne5	240058
KRTHA4	3885 NM_021013	1 Krt1-4	16672
DMTF1	9988 NM_021145	1 Dmtf1	23857
SF4	57794 NM_021164	1 Sf4	70616
PROK2	60675 NM_021935	1 Prok2	50501
	63906 NM_022078	1 D930035B09Rik	242691
C20orf67	63935 NM_022104	1 F730014I05Rik	228866
C11orf24	53838 NM_022338	1 1810055G02Rik	72056
	64376 NM_022466	1 2610034F18Rik	67143
ZDHHC6	64429 NM_022494	1 Zdhhc6	66980
	64778 NM_022763	1 1600019O04Rik	72007
	64789 NM_022774	1 3110037I16Rik	73172
	64800 NM_022785	1 4931407K02Rik	77627
	64866 NM_022842	1 E030027H19Rik	109332
CAPN10	11132 NM_023083	1 Capn10	23830
C14orf137	78990 NM_023112	1 4930586I02Rik	68149
	65990 NM_023933	1 BC008155	214917
MRP63	78988 NM_024026	1 Mrp63	67840
	79007 NM_024043	1 2810427I04Rik	72185
	79009 NM_024045	1 Ddx50	94213
	79073 NM_024092	1 1110006I15Rik	68539
	79585 NM_024535	1 0610011B16Rik	78885
	79603 NM_024552	1 2900019C14Rik	67260
CHD1L	9557 NM_024568	1 Chd1l	68058
	79657 NM_024604	1 2310042P20Rik	71919
	79705 NM_024652	1 AW319595	233328
	79752 NM_024699	1 2310008M20Rik	66361
GEMIN7	79760 NM_024707	1 Gemin7	69731
	79791 NM_024735	1 2310046N15Rik	76454

	79798 NM_024742	1 BC032200	233912
	79811 NM_024755	1 5730555F13Rik	66660
	79816 NM_024760	1 Tle6	114606
	79869 NM_024811	1 5730453I16Rik	269061
	79886 NM_024828	1 5830433M19Rik	67770
	79888 NM_024830	1 BC005662	210992
	79932 NM_024874	1 AU040320	100317
	79977 NM_024915	1 Grhl2-pending	252973
RNF34	80196 NM_025126	1 Rnf34	80751
	80255 NM_025181	1 1300003P13Rik	74150
NDEL1	81565 NM_030808	1 Ndel1	83431
TRIM8	81603 NM_030912	1 Trim8	93679
	81671 NM_030938	1 4930579A11Rik	75909
	81855 NM_030971	1 Sfxn3	94280
CABP1	9478 NM_031205	1 Cabp1	29867
TCF7L1	83439 NM_031283	1 Tcf3	21415
GNGT2	2793 NM_031498	1 Gngt2	14710
SEMA6B	10501 NM_032108	1 Sema6b	20359
	84060 NM_032120	1 C030048B08Rik	269623
	84063 NM_032123	1 C330019F22Rik	243911
ZIC4	84107 NM_032153	1 Zic4	22774
	85301 NM_032161	1 5730512J02Rik	66652
PPP1R1B	84152 NM_032192	1 Ppp1r1b	19049
	84221 NM_032261	1 1700027D21Rik	76573
	84240 NM_032280	1 1810019C21Rik	69085
	84251 NM_032291	1 3110007P09Rik	73094
	84303 NM_032343	1 0710001P09Rik	66098
	84324 NM_032364	1 5730551F12Rik	74330
C20orf154	84515 NM_032485	1 5730432L01Rik	66634
	84516 NM_032486	1 Dctn5	59288
	84620 NM_032528	1 ST6GallI-pending	240119
C22orf23	84645 NM_032561	1 1700088E04Rik	27660
DGAT2	84649 NM_032564	1 Dgat2	67800
	51550 NM_032630	1 2810452K22Rik	67236
BSCL2	26580 NM_032667	1 Gng3lg	14705
	84817 NM_032731	1 D11Ertd672e	52700
	84858 NM_032772	1 B830002A16Rik	218820
	84872 NM_032786	1 AI790326	103284
	84934 NM_032848	1 1110008J03Rik	100764
ZFYVE19	84936 NM_032850	1 1500041L05Rik	72008
	85027 NM_032947	1 AI195350	106878
WBSCR14	51085 NM_032953	1 Wbscr14	58805
GTF2I	2969 NM_033000	1 Gtf2i	14886
AXUD1	64651 NM_033027	1 Axud1	215418
LMLN	89782 NM_033029	1 5330415H22Rik	239833
CECR5	27440 NM_033070	1	214932
NKD2	85409 NM_033120	1 Nkd2	72293
WNT3A	89780 NM_033131	1 Wnt3a	22416
HYAL2	8692 NM_033158	1 Hyal2	15587
C20orf114	92747 NM_033197	1	228801
TMEM10	93377 NM_033207	1 Tmem10	226115
PURB	5814 NM_033224	1 Purb	19291

CDC14B	8555 NM_033331	1 A530086E13Rik	218294
TNFRSF13C	115650 NM_052945	1 Tnfrsf13c	72049
KLHDC3	116138 NM_057161	1 Klhdc3	71765
C21orf70	85395 NM_058190	1 1810008A18Rik	108707
VIAAT	140679 NM_080552	1 Viaat	22348
	113235 NM_080669	1 D11Ertd18e	52466
PTPRU	10076 NM_133177	1 Ptpri	19273
	115752 NM_133375	1 AV340375	213550
	135228 NM_133493	1 9930012E15Rik	235505
CYGB	114757 NM_134268	1 Cygb	114886
GPSN2	9524 NM_138501	1 Gpsn2	106529
	92715 NM_138778	1 2810443J12Rik	67228
MAPK14	1432 NM_139012	1 Mapk14	26416
DPP9	91039 NM_139159	1 6430584G11Rik	224897
	221955 NM_139179	1 E330036I19Rik	231871
SYNPR	132204 NM_144642	1 Synpr	72003
CRYGN	155051 NM_144727	1 Crygn	214301
APOA1BP	128240 NM_144772	1 Apoa1bp	246703
	201254 NM_144998	1 Stra13	20892
	203102 NM_145004	1 Adam35-pending	353188
	165679 NM_145035	1 1110032A04Rik	66183
VTI1A	143187 NM_145206	1 Vti1a	53611
TRIM11	81559 NM_145214	1 Trim11	94091
	127255 NM_145258	1 4933403H06Rik	74435
	159090 NM_145284	1 4632404H22Rik	78755
ISL2	64843 NM_145805	1 Isl2	104360
ZNF38	7589 NM_145914	1 Zipro1	22697
	91012 NM_147190	1 2310081H14Rik	71949
	92421 NM_152284	1 2310010I16Rik	66371
	155368 NM_152559	1 Wbscr27-pending	79565
	163859 NM_152608	1	208768
	166929 NM_152621	1 4933405A16Rik	74442
ITM1	3703 NM_152713	1 Itm1	16430
MRPS18AL1	221421 NM_152732	1 1700027N10Rik	75564
	222166 NM_152793	1 2410066E13Rik	68235
	115426 NM_152896	1 Nirf-pending	109113
	256302 NM_152914	1 Gtlf3b	24083
ABHD2	11057 NM_152924	1 Abhd2	54608
MCOLN2	255231 NM_153259	1 Mcoln2	68279
	90459 NM_153332	1 3110010F15Rik	67276
GPR26	2849 NM_153442	1 Gpr26	233919
EVC	2121 NM_153717	1 Evc	59056
TRIM35	23087 NM_171982	1 0710005M05Rik	66854
CAMKK1	84254 NM_172206	1 Camkk1	55984
SCUBE1	80274 NM_173050	1 Scube1	64706
	285971 NM_173680	1	243372
BBS7	55212 NM_176824	1 8430406N16Rik	71492
FGFR3	2261 NM_000142	1 Fgfr3	14184
KRT17	3872 NM_000422	1 Krt1-17	16667
PMS1	5378 NM_000534	1	227099
ALDH1B1	219 NM_000692	1 Aldh1b1	72535
BLVRB	645 NM_000713	1 Blvrbr	233016

GRIN2A	2903 NM_000833	1 Grin2a	14811
PDE1B	5153 NM_000924	1 Pde1b	18574
DSCAM	1826 NM_001389	1 Dscam	13508
BRF1	2972 NM_001519	1 Brf1	72308
ATF4	468 NM_001675	1 Atf4	11911
CD63	967 NM_001780	1 Cd63	12512
ISL1	3670 NM_002202	1 Isl1	16392
ITIH1	3697 NM_002215	1 Itih1	16424
MC1R	4157 NM_002386	1 Mc1r	17199
NPM1	4869 NM_002520	1 Npm1	18148
NPTX1	4884 NM_002522	1 Nptx1	18164
PFKL	5211 NM_002626	1 Pflkl	18641
PFKP	5214 NM_002627	1 Pfkp	56421
PRKCI	5584 NM_002740	1 Prkcl	18759
PYGB	5834 NM_002862	1 Pygb	110078
RFC4	5984 NM_002916	1 AU040575	106344
SDHD	6392 NM_003002	1 3110001M13Rik	66925
SSR1	6745 NM_003144	1 Ssr1	107513
SYT5	6861 NM_003180	1 Syt5	53420
TGFB2	7042 NM_003238	1 Tgfb2	21808
UGDH	7358 NM_003359	1 Ugdh	22235
WNT9A	7483 NM_003395	1 Wnt9a	216795
YY1	7528 NM_003403	1 Yy1	22632
CDC45L	8318 NM_003504	1 Cdc45l	12544
EIF3S2	8668 NM_003757	1 Eif3s2	54709
DLK1	8788 NM_003836	1 Dlk1	13386
CREG	8804 NM_003851	1 Creg	23850
FUBP1	8880 NM_003902	1 D3Ertd330e	51886
RPS6KA4	8986 NM_003942	1 Rps6ka4	56613
STOM	2040 NM_004099	1 Epb7.2	13830
	9088 NM_004203	1 Pkmyt1-pending	268930
DAP	1611 NM_004394	1	223453
FGF5	2250 NM_004464	1 Fgf5	14176
TCF15	6939 NM_004609	1 Tcf15	21407
RASAL1	8437 NM_004658	1 Rasal1	19415
ATP6V0D1	9114 NM_004691	1 Atp6v0d1	11972
TXNL	9352 NM_004786	1 Txnl	53382
STX8	9482 NM_004853	1 Stx8	55943
BCL3	602 NM_005178	1 Bcl3	12051
EMS1	2017 NM_005231	1 Ctnn	13043
EWSR1	2130 NM_005243	1 Ewsh	14030
GDF8	2660 NM_005259	1 Gdf8	17700
FRAT1	10023 NM_005479	1 Frat1	14296
INPP5D	3635 NM_005541	1 Inpp5d	16331
DLL1	28514 NM_005618	1 Dll1	13388
PDCD7	10081 NM_005707	1 Pcd7	50996
	10146 NM_005754	1 G3bp-pending	27041
PRDX2	7001 NM_005809	1 Prdx2	21672
	10289 NM_005875	1 Gc20-pending	68969
MAN1A1	4121 NM_005907	1 Man1a	17155
MEF2D	4209 NM_005920	1 Mef2d	17261
MTHFR	4524 NM_005957	1 Mthfr	17769

PCTK1	5127 NM_006201	1 Pctk1	18555
	10550 NM_006407	1 Arl6ip5	65106
MCAM	4162 NM_006500	1 Mcam	84004
TUBGCP2	10844 NM_006659	1 Tubgcp2	74237
HOXA2	3199 NM_006735	1 Hoxa2	15399
MALT1	10892 NM_006785	1 D430033E09Rik	240354
PSMF1	9491 NM_006814	1 Psmf1	228769
SMT3H1	6612 NM_006936	1 Smt3h1	20610
LECT1	11061 NM_007015	1 Lect1	16840
EVER1	11322 NM_007267	1 D11Ertd204e	217353
FBXL4	26235 NM_012160	1 A1836810	269514
PTRF	284119 NM_012232	1 Ptrf	19285
TIMM8B	26521 NM_012459	1 Timm8b	30057
USP21	27005 NM_012475	1 Usp21	30941
YWHAG	7532 NM_012479	1 Ywhag	22628
TIMM22	29928 NM_013337	1 Timm22	56322
	29880 NM_013338	1 Alg5-pending	66248
	28992 NM_014067	1 D930010J01Rik	107227
PGA5	5222 NM_014224	1 Pepf-pending	58803
RAGE	5891 NM_014226	1 Rage	26448
HABP4	22927 NM_014282	1 Habp4	56541
	27089 NM_014402	1 Qpc-pending	22272
ERO1L	30001 NM_014584	1 Ero1l	50527
	9760 NM_014729	1 Tox	252838
	9774 NM_014739	1 2700025J07Rik	72567
	23155 NM_015127	1 Mcll-pending	229725
PTDSR	23210 NM_015167	1 Ptdsr	107817
GADD45B	4616 NM_015675	1 Gadd45b	17873
HEBP1	50865 NM_015987	1 Hebp1	15199
REV1L	51455 NM_016316	1 Rev1l	56210
	51240 NM_016467	1 C730042F17Rik	227102
	51286 NM_016564	1 Bm88-pending	57754
	53358 NM_016848	1 Shc3	20418
	55596 NM_017612	1 5730565F05Rik	70650
LRP1B	53353 NM_018557	1 Lrp1b	94217
	55454 NM_018590	1 Galnact2-pending	78752
	56063 NM_019118	1 2510006D16Rik	76799
CHST7	56548 NM_019886	1 Chst7	60322
C13orf1	57213 NM_020456	1 6330409N04Rik	66674
NR2F2	7026 NM_021005	1 Nr2f2	11819
MPST	4357 NM_021126	1 Mpst	246221
	60370 NM_021732	1 2310008N12Rik	69534
	60481 NM_021814	1 Helo1-pending	68801
DMRT1	1761 NM_021951	1 Dmrt1	50796
ZNF148	7707 NM_021964	1 Zfp148	22661
GALNT11	63917 NM_022087	1 E430002F06Rik	231050
	65220 NM_023018	1 BC004012	192185
MRPL34	64981 NM_023937	1 Mrpl34	94065
HOXB4	3214 NM_024015	1 Hoxb4	15412
	79018 NM_024052	1 4933439F18Rik	66771
	79170 NM_024320	1 BC022765	217138
	79668 NM_024615	1 D13Ertd275e	52552

	79759 NM_024706	1 E130018B19Rik	244219
CLMN	79789 NM_024734	1 Clmn	94040
	79903 NM_024845	1 1200013P24Rik	74763
	80235 NM_025163	1 F630022B06Rik	239827
	81606 NM_030915	1 Lbh-pending	77889
	83874 NM_031937	1 A1447804	103724
	84193 NM_032233	1 D12Ertd771e	52690
PTPN5	84867 NM_032781	1 Ptpn5	19259
CASP2	835 NM_032982	1 Casp2	12366
PPP1R14A	94274 NM_033256	1 Ppp1r14a	68458
STK22C	81629 NM_052841	1 Stk22d	117545
TSGA2	89765 NM_080860	1 Tsga2	22092
PLCD3	113026 NM_133373	1 2610205J15Rik	72469
ARHV	171177 NM_133639	1 Arhv	228543
	113444 NM_138428	1 BC003266	80284
	90332 NM_138568	1 4933417E01Rik	74463
	146845 NM_145054	1 1700019F09Rik	71860
SPESP1	246777 NM_145658	1 4921508E09Rik	66712
ATPAF2	91647 NM_145691	1 Atpaf2	246782
	124222 NM_152341	1 1500004C10Rik	76498
	152273 NM_152536	1 C330025N11Rik	232237
	166614 NM_152619	1 6330415M09Rik	70762
	222223 NM_152748	1 9330182L06Rik	231014
EED	8726 NM_152991	1 Eed	13626
	254427 NM_153256	1 5430407P10Rik	227545
	162515 NM_153357	1	216867
	124872 NM_153446	1 Galgt2	14422
	283820 NM_173614	1 Pm5-pending	211548
ALDH9A1	223 NM_000696	1 Aldh9a1	56752
POLR2B	5431 NM_000938	1	231329
IGFBP7	3490 NM_001553	1 Igfbp7	29817
NFX1	4799 NM_002504	1 Nfx1	74164
PTPRZ1	5803 NM_002851	1 Ptprz1	19283
RASGRF1	5923 NM_002891	1 Rasgrf1	19417
SLC22A4	6583 NM_003059	1 Slc22a4	30805
SPINT1	6692 NM_003710	1 Spint1	20732
ADAM23	8745 NM_003812	1 Adam23	23792
CITED1	4435 NM_004143	1 Cited1	12705
ELAVL2	1993 NM_004432	1 Elavl2	15569
FOXG1B	2290 NM_005249	1 Foxg1	15228
MADH3	4088 NM_005902	1 Madh3	17127
TBCD	6904 NM_005993	1 Tbcd	108903
CAPZA2	830 NM_006136	1 Capza2	12343
	9908 NM_012297	1 G3bp2-pending	23881
MMD	23531 NM_012329	1 Mmd	67468
	29902 NM_013300	1 1500011H22Rik	68948
KCNK2	3776 NM_014217	1 Kcnk2	16526
HERPUD1	9709 NM_014685	1 Herpud1	64209
	26010 NM_015535	1 2810022L02Rik	67198
WDR21	26094 NM_015604	1 1110018E21Rik	73828
	51639 NM_016047	1 0610009D07Rik	66055
	51184 NM_016301	1 A930018B01Rik	68080

KLF3	51274 NM_016531	1 Klf3	16599
	54815 NM_017660	1 BC031407	234366
FBXO6	26270 NM_018438	1 Fbxo6b	50762
MRPS21	54460 NM_018997	1 Mrps21	66292
C11orf14	56675 NM_020645	1 A330103B05Rik	78593
	79831 NM_024773	1 3110005O21Rik	77035
	89978 NM_080650	1 5730421E18Rik	66632
	115817 NM_138452	1 D14Ertd484e	52585
	124359 NM_152342	1 4930453I21Rik	75796
	144577 NM_152440	1	270802
	286183 NM_173688	1 E130310K16Rik	269513
C14orf21	161424 NM_174913	1 2610027L16Rik	67842
CSNK1A1	1452 NM_001892	1 Csnk1a1	93687
VLDLR	7436 NM_003383	1 Vldlr	22359
ANP32A	8125 NM_006305	1 Anp32a	11737
ATP12A	479 NM_001676	1 Atp12a	192113
SNX9	51429 NM_016224	1 Snx9	66616
MRPL14	64928 NM_032111	1 1110006I11Rik	68463
PDE8B	8622 NM_003719	1 B230331L10Rik	218461
AGXT	189 NM_000030	2 Agxt	11611
ARG1	383 NM_000045	2 Arg1	11846
LIPC	3990 NM_000236	2 Lipc	15450
PROC	5624 NM_000312	2 Proc	19123
QDPR	5860 NM_000320	2 Qdpr	110391
NR0B1	190 NM_000475	2 Nr0b1	11614
CACNA2D1	781 NM_000722	2 Cacna2d1	12293
CHRNA4	1137 NM_000744	2 Chrna4	11438
CYP26A1	1592 NM_000783	2 Cyp26a1	13082
RPS10	6204 NM_001014	2 2210402A09Rik	67097
C1QBP	708 NM_001212	2 C1qbp	12261
CDS1	1040 NM_001263	2 Cds1	74596
CHGA	1113 NM_001275	2 Chga	12652
EIF4G2	1982 NM_001418	2 Eif4g2	13690
G22P1	2547 NM_001469	2 G22p1	14375
HRMT1L1	3275 NM_001535	2 Hrmt1l1	15468
IFRD1	3475 NM_001550	2 Ifrd1	15982
APOC1	341 NM_001645	2 Apoc1	11812
CD47	961 NM_001777	2 Cd47	16423
CTPS	1503 NM_001905	2 Ctps	51797
CYB5	1528 NM_001914	2 Cyb5	109672
EDN2	1907 NM_001956	2 Edn2	13615
EPB49	2039 NM_001978	2 Epb4.9	13829
F3	2152 NM_001993	2 F3	14066
FOXO1A	2308 NM_002015	2 Foxo1	56458
IRF1	3659 NM_002198	2 Irf1	16362
LY6H	4062 NM_002347	2 Ly6h	23934
MMP15	4324 NM_002428	2 Mmp15	17388
NPAS2	4862 NM_002518	2 Npas2	18143
NTRK3	4916 NM_002530	2 Ntrk3	18213
NTSR1	4923 NM_002531	2 Ntsr	18216
PRPS2	5634 NM_002765	2 Prps2	110639
SLC4A2	6522 NM_003040	2 Slc4a2	20535

SQLE	6713 NM_003129	2 Sqle	20775
TCEB3	6924 NM_003198	2 Tceb3	27224
NFE2L1	4779 NM_003204	2 Nfe2l1	18023
TNNC1	7134 NM_003280	2 Tncc	21924
USP1	7398 NM_003368	2 Usp1	230484
VDAC1	7416 NM_003374	2 Vdac1	22333
WNT5A	7474 NM_003392	2 Wnt5a	22418
STAM	8027 NM_003473	2 Stam	20844
ADAM12	8038 NM_003474	2 Adam12	11489
MADD	8567 NM_003682	2 Madd	228355
DNCL1	8655 NM_003746	2 Dncl1	56455
MBTPS1	8720 NM_003791	2 Mbtps1	56453
SNX4	8723 NM_003794	2 Snx4	69150
AMPD2	271 NM_004037	2 Ampd2	109674
CRYBB3	1417 NM_004076	2 Crybb3	12962
HNRPU	3192 NM_004501	2 Hnrpu	51810
NDUFA3	4696 NM_004542	2 Ndufa3	66091
SMS	6611 NM_004595	2 Sms	20603
SNRPA	6626 NM_004596	2 Snrpa	53607
USP9X	8239 NM_004652	2 Usp9x	22284
LRAT	9227 NM_004744	2 Lrat	79235
BRE	9577 NM_004899	2 Bre	107976
GOLGA5	9950 NM_005113	2 Golga5	27277
THOC1	9984 NM_005131	2 Thoc1	225160
FGR	2268 NM_005248	2 Fgr	14191
GFER	2671 NM_005262	2 Gfer	11692
NKTR	4820 NM_005385	2 Nktr	18087
KIFC3	3801 NM_005550	2 Kifc3	16582
AKAP8	10270 NM_005858	2 Akap8	56399
MCM7	4176 NM_005916	2 Mcmd7	17220
MTF1	4520 NM_005955	2 Mtf1	17764
NOC4	10328 NM_006067	2 Noc4	18117
VAV3	10451 NM_006113	2 Vav3	57257
TYRO3	7301 NM_006293	2 Tyro3	22174
STK25	10494 NM_006374	2 Stk25	59041
DPYSL4	10570 NM_006426	2 Dpysl4	26757
	10630 NM_006474	2 Gp38	14726
TXNL2	10539 NM_006541	2 Txnl2	30926
SDCCAG3	10807 NM_006643	2 C330016H24Rik	68112
NUDT3	11165 NM_006703	2 Nudt3	56409
ADK	132 NM_006721	2 Adk	11534
SURF6	6838 NM_006753	2 Surf6	20935
	7805 NM_006762	2 Laptm5	16792
C12orf8	10961 NM_006817	2 Erp29	67397
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