

Supplementary Data

Gene Expression Biomarkers in the Brain of a Mouse Model for Alzheimer's Disease: Mining of Microarray Data by Logic Classification and Feature Selection

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Supplementary Table 1
(Continued)

Ndufa12	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12	A_52_P724940	0.549	ref(NM_025551)ens[ENSMUST00000020209]gb[AK032774]gb[AK153240
Cnm3	cyclin M3	A_52_P74524	0.869	ens[ENSMUST00000073697]gb[AK036227]ken[AT300865]nap[NAP124831-1
Gm5978	predicted gene 5978	A_52_P74653	0.510	ref(NM_001039551)ref(NM_0531180)ens[ENSMUST00000015001]ens[ENSMUST000000097776
		A_52_P76196	0.521	ref(XM_992301)ref(XM_523508)ens[ENSMUST000000071458]nap[NAP000014-005
		A_52_P76629	0.667	gb[AK148746]ken[7120442010]nap[NAP053276-1]tc[TC14670231
1600014C10Rik	RIKEN cDNA 1600014C10 gene	A_52_P77093	0.690	ref(NM_028166)ref(NM_001085385)gb[AK146474]gb[AK032342
1110032A03Rik	RIKEN cDNA 1110032A03 gene	A_52_P78730	0.505	ref(NM_023483)ens[ENSMUST00000042468]ens[ENSMUST00000042578]gb[CT010205
Scaf1	SR-related CTD-associated factor 1	A_52_P79038	0.586	ref(NM_001008422)ens[ENSMUST00000085383]ens[ENSMUST000000117282]gb[BC054818
Magt1	magnesium transporter 1	A_52_P79385	0.599	ref(NM_025952)ens[ENSMUST000000113566]gb[AK018623]gb[BC003881
Nckap1	NCK-associated protein 1	A_52_P7948	0.534	ref(NM_016965)ens[ENSMUST000000111760]ens[ENSMUST00000028386]ens[ENSMUST000000111759
Pier1	period homolog 1 (Drosophila)	A_52_P79889	0.564	ref(NM_011065)ref(NM_001159367)ens[ENSMUST000000021271]ens[ENSMUST000000102605
2810001G20Rik	RIKEN cDNA 2810001G20 gene	A_52_P81630	0.577	ref(XM_001474349)ref(XM_001476904)gb[AK012631]gb[AK007027
		A_52_P836152	0.506	gb[AK026959]ken[830002705]nap[NAP072649-1]tc[TC1406264
Gadd45gip1	growth arrest and DNA-damage-inducible, gamma interacting protein 1	A_52_P85020	0.637	ref(NM_183358)gb[AK028227]ken[2810420203]tc[TC1576749
Dock5	dedicator of cytokinesis 5	A_52_P86983	0.583	ref(NM_177780)ens[ENSMUST0000000239135]gb[AK045555]gb[AK004325
EG665756	predicted gene, EG665756	A_52_P908952	0.523	ref(XM_979235)ref(XM_979447)ref(XM_865564)ref(XM_977914
		A_52_P91054	0.559	nap[NAP068771-1
		A_52_P917365	0.638	gb[AV141866
Sdo4	syndecan 4	A_52_P932813	0.721	gb[AK140658]ken[8930073003]ken[89300195G21]tc[TC1713239
St8sia3	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 3	A_52_P93467	0.648	ref(NM_011521)ens[ENSMUST00000017153]gb[AK164952]gb[BC005679
Mmp16	matrix metalloproteinase 16	A_52_P940524	0.567	ref(NM_009182)ens[ENSMUST000000074935]gb[BC075645]tc[TC1633508
Ang4	angiogenin, ribonuclease A family, member 4	A_52_P975	0.514	ref(NM_019724)ens[ENSMUST000000029881]ens[ENSMUST000000108257]ens[ENSMUST000000108256
		A_52_P98778	0.700	ref(NM_177544)ens[ENSMUST000000073860]gb[BC132444]gb[BC132448

Supplementary Table 1
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Pif2	platelet-activating factor acetylhydrolase 2	A_01_P345989	0.562	refNM_133889 ensEMUST0000039233 gsk ensEMUST0000105899 ensEMUST0000010670
Ipo4	importin 4	A_01_P347623	0.513	refNM_1024267 ensEMUST0000004713 gsk AF_123388 gsk AK007139
C130081A10Rk	RKEN cDNA C130081A10 gene	A_01_P349022	0.832	gk AK018356 refNM_130081A10 nap NAP01264_001 TC1610977
Zfp365	zinc finger protein 365	A_01_P352216	0.568	refNM_178679 ensEMUST0000004656 ensEMUST00000048213 gsk AK033892
Sfp1	secreted frizzled-related protein 1	A_01_P352296	0.673	refNM_013834 ensEMUST00000039523 gsk U88566 gsk AK081055
5730416020Rk	RKEN cDNA 5730416020 gene	A_01_P354611	0.592	refNM_0014748484 refNM_001475149 gsk AK017588 gsk 5730416020
Nsun3	NOL1/NOP2/Sun domain family member 3	A_01_P355040	0.579	ens ENS UST0000003089 gsk AK032127 gsk AK169841 gsk AW495952
Jack3	Janus kinase 3	A_01_P355360	0.505	refNM_010899 refNM_010354 ensEMUST0000003426 ensEMUST000000051995
N3c1	nuclear receptor subfamily 3, group C, member 1	A_01_P355593	0.614	refNM_008173 ensEMUST00000025300 ensEMUST0000011567 ensEMUST00000115569
Zfp688	zinc finger protein 688	A_01_P355621	0.566	refNM_006999 ensEMUST0000001532 ensEMUST0000001532 gsk AK170857
Dctn6	dyxin 6	A_01_P356291	0.602	refNM_011722 ensEMUST0000011523 gsk AK01379 gsk AF100796
Tmf1	TATA element modulatory factor 1	A_01_P357195	0.642	refNM_001811 11 ensEMUST0000005664 ensEMUST0000005665 gsk BC159031
5430437P03Rk	RKEN cDNA 5430437P03 gene	A_01_P359559	0.564	refNM_026636 ensEMUST0000000247 gsk AK074022 gsk AK147803
Tnf4a	thioredoxin-like 4A	A_01_P360636	0.847	refNM_178604 refNM_00138608 refNM_001042408 ensEMUST00000025463
Ank45	1-acetylglucose-3-phosphate O-acetyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon)	A_01_P361286	1.000	refNM_026762 gsk AK082137 gsk AK036706 gsk NC0312401
		A_01_P361328	0.619	gk AK054833 gsk BC037517 iken 1600017J22 nap NAP090609-1
Lgi2	leucine-rich repeat LGI family, member 2	A_01_P361830	0.542	refNM_144645 gsk AY813861 gsk BC148507 gsk AK038519
Ap5e	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, epsilon subunit	A_01_P362054	0.612	refNM_025963 ensEMUST00000001638 gsk AK078099 gsk AK007752
Protsa	protease, serine 22	A_01_P362581	0.572	refNM_133731 ensEMUST00000016456 gsk AK036566 gsk AK001778
ih5	inter-alpha (globulin) inhibitor H5	A_01_P364020	0.731	refNM_172471 ensEMUST0000002698 gsk AK134779 gsk AK140758
Gd2	guanosine diphosphate (GDP) dissociation inhibitor 2	A_01_P366980	0.664	refNM_008112 ensEMUST00000059515 ensEMUST00000110714 gsk BC3614
G3p1	Ras-GTPase-activating protein SH3-domain binding protein 1	A_01_P367343	0.558	refNM_013716 gsk AB001927 gsk AK0336972 nap NAP098269-001
Fam126b	family with sequence similarity 126, member 2	A_01_P367416	0.503	refNM_172513 ensEMUST00000097724 gsk ensEMUST00000038373 gsk AK052638
Grai1	guanine nucleotide binding protein (G protein), alpha inhibiting 1	A_01_P367834	0.573	refNM_010305 ensEMUST00000014684 gsk U38501 gsk BC032965
Ub101	ubiquitin domain containing 1	A_01_P369371	0.512	refNM_145500 ensEMUST00000026170 gsk AK078479 gsk BC016129
Zmyrd17	zinc finger, MYND domain containing 17	A_01_P369426	0.580	refNM_029104 ensEMUST00000022353 gsk AK014794 gsk BC119773
Pf19p9	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional peptidase 2)	A_01_P369803	0.523	refNM_010595 ensEMUST00000076923 gsk CTC10227 gsk Z2447
Pf19p9	putative RNA-transforming gene 9	A_01_P371190	0.802	refNM_013791 refNM_00110545 ensEMUST00000121538 ensEMUST00000002967
Auh	AU RNA-binding protein/enoyl-coenzyme A hydratase	A_01_P372473	0.519	refNM_016709 ensEMUST0000001523 gsk AK003219 gsk AF113268
Zfp433	RKEN cDNA 1700123A16 gene	A_01_P372895	0.676	refNM_884400 refNM_824400 gsk AK007242 gsk BC064812
Dock1	dedicator of cytokinesis 1	A_01_P373163	0.525	refNM_001033420 ensEMUST0000008448 gsk AK078899 gsk BC059898
Cank2b	casein kinase 2, beta polypeptide	A_01_P373379	0.510	refNM_009978 ensEMUST00000025248 gsk AK146186 gsk AK010730
Gatp1	glutathione S-transferase, pi 1	A_01_P374457	0.593	refNM_013541 refNM_181796 refNM_001476952 refNM_00147855
Tb2m	transcription factor B2, mitochondrial	A_01_P374499	0.515	refNM_008249 ensEMUST00000007769 gsk AF14555 gsk AK166177
Ndu6b	NADH dehydrogenase (ubiquinone) Fe-S protein 6	A_01_P375034	0.524	refNM_010889 refNM_004718 refNM_889816 ensEMUST00000022097
Hmnpk	helicase, nuclear ribonucleoprotein A	A_01_P375034	0.527	refNM_025779 refNM_00147479 refNM_001476952 refNM_00147855
Aht1	AHT1, acid trehalase-like 1 (yeast)	A_01_P376789	0.519	refNM_145378 ensEMUST00000079403 gsk AK171864 gsk AK058600
Tank	TRAF family member-associated NF-kappa B activator	A_01_P377547	0.548	refNM_0011429 refNM_001164071 refNM_001164072 ensEMUST00

Supplementary Table 1
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Vps36	vacuolar protein sorting 36 (yeast)	A_52_P41885	0.621	napNAP101328-1
Kncr1	potassium voltage gated channel, Shaw-related subfamily, member 1	A_52_P42147	0.745	gbjAK156241 gbjAK13045 ken2810408E 15 ken F830013P21
Mrp2	mitogen-activated protein kinase kinase 2	A_52_P42200	0.019	refNM_008421 gbjAK08281 gbjAK1474 gbjAK147682
Lmp4	leucine rich repeat transmembrane neuronal 4	A_52_P42495	0.525	refNM_011549 gbjAK03378 gbjAK02371 gbjAK17196 gbjAK020108P5
		A_52_P42496	0.730	gbjAK0324 gbjAK03272 6 ken gbjAK03258 gbjAK03269 gbjAK11636-1
		A_52_P42465	0.573	gbjAK03697 gbjAK03698 gbjAK03699
LOC547150	cadherin 11 pseudogene	A_52_P42634	0.641	refR_0037 gbjAK03687 gbjAK03688 gbjAK1322 gbjAK1343638
	zinc finger cys2/cys4 linked	A_52_P42697	0.528	gbjAK14386 refNM_011788 gbjAK05815 gbjAK08810 2 ken gbjAK05810 13 27
Sct15a2	solute carrier family 15 (H ⁺ /peptide transporter), member 2	A_52_P42705	1.000	gbjAK18393 gbjAK08319 gbjAK08318 3 gbjAK08316 3 gbjAK08316
Ldr	low density lipoprotein receptor	A_52_P42704	0.576	refNM_010700 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK160008
Ltr	transin	A_52_P42846	0.574	refNM_011650 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK160008
Nac1	neuronic arabinoside associated 1, BEN and BTB (POD) domain containing	A_52_P43027	0.084	refNM_02578 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK05810
Dcn11	DNAI, defective in cullin neddylation 1, domain containing 1 (S. cerevisiae)	A_52_P43004	0.697	refNM_033623 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK05810
Sct31a2	solute carrier family 31 (zinc transporter), member 12	A_52_P43263	0.600	refNM_010123 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK05810
		A_52_P43450	0.797	napNAP109751-1 1 napNAP109771-4 0 1 napNAP109771-4 0 1 napNAP109771-4 0 1
Acn1	apoptotic chromatin condensation inducer 1	A_52_P43449	0.648	refNM_023190 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK05810
Aaa2	N-acetylglucosamine amidohydrolase 2	A_52_P43663	0.574	refNM_018630 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK05810
Pbc32	F-box protein	A_52_P43734	0.574	refNM_017517 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK05810
Scd1	SCC cytochrome oxidase deficient homolog 1 (yeast)	A_52_P43848	0.603	refNM_010420 gbjAK13900 gbjAK13900 gbjAK13900 gbjAK13900 gbjAK13900
		A_52_P43901	0.619	refNM_010963 1 gbjAK13900 1 gbjAK13900 1 gbjAK13900 1 gbjAK13900
Dyd2	DPY30 domain containing 2	A_52_P44028	0.574	emslENSMUST000002223 1 gbjAK01863 gbjAK01863 gbjAK01863 gbjAK01863 gbjAK01863
		A_52_P44029	0.512	emslENSMUST000000774 1 gbjAK01409 gbjAK01409 gbjAK01409 gbjAK01409 gbjAK01409
		A_52_P44030	0.512	emslENSMUST000000668 gbjAK033245 gbjAK011885 gbjAK050961
Cwc15	CWC15 homolog (S. cerevisiae)	A_52_P44307	0.515	refNM_023153 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK05810
Bcl1	brromodomain containing 1	A_52_P44508	0.539	refNM_01033274 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK05810
Etrk1	ethanolamine kinase 1	A_52_P44601	0.671	refNM_029250 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK05810
Mars	methionine-tRNA synthetase	A_52_P44760	0.680	refNM_010139 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK05810
Tbc1c23	TBC1 domain family, member 23	A_52_P44820	0.694	refNM_025544 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK05810
		A_52_P45040	0.570	refNM_012137 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK05810
Xpr1	xenotropic and polytropic retrovirus receptor 1	A_52_P45174	0.602	refNM_012137 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK05810
Tkt2	taused-like kinase 2 (Arabidopsis)	A_52_P45384	0.582	gbjAK021089 gbjAK021089 gbjAK021089 gbjAK021089 gbjAK021089
Lp6	low density lipoprotein receptor-related protein 6	A_52_P45609	0.524	refNM_028027 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK05810
Ptdn1	prelamin 1	A_52_P45840	0.576	gbjAK019912 gbjAK1510 gbjAK019912 gbjAK019912 gbjAK019912
5330A26916Rik	antisense intron 5b defective to homolog (C. elegans)	A_52_P45870	0.610	refNM_177833 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK05810
Ubf5	ubiquitin-like 5	A_52_P45741	0.509	refNM_025416 gbjAK154036 gbjAK00854 gbjAK007728
Trif	transcriptional regulating factor 1	A_52_P45787	0.511	refNM_172629 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK05810
Lrr1	leucine-rich repeat domain 1	A_52_P45916	0.589	refNM_014607 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK05810
Hspat21	heat shock protein 12A	A_52_P46022	0.684	refNM_017599 gbjAK05810 gbjAK05811 3 gbjAK05810 gbjAK05810 gbjAK05810
Crem				

Supplementary Table 1
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Wb2	WD repeat and SOCS box-containing 2	A_52_P68372	0.554	refNM_021539[ens]ENSMUST00000021309[ens]ENSMUST00000111959[gb]AK157999
Atg4c	autophagy-related 4 (yeast)	A_52_P683728	0.840	refNM_176229[ens]NM_001145867[ref]NM_001471854[ens]ENSMUST00000030278
4930539J05Rik	RIKEN cDNA 4930539J05 gene	A_52_P684820	0.852	gb AK053308[gb]AK050124[gb]AK052426[ref]NM_00118K14
Chd9	chromodomain helicase DNA binding protein 9	A_52_P70035	0.718	gb AK020244[gb]AA874362[ref]NM_00302050212[ref]NM_00178161
Pdis6	protein disulfide isomerase associated 6	A_52_P70810	0.551	refNM_027959[ens]ENSMUST00000052368[gb]AK168111[gb]AK168138
Slc25a26	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 26	A_52_P71544	0.741	refNM_026255[gb]BC048899[gb]BC019170[ref]NM_123724-1
Slc25a17	solute carrier family 25 (mitochondrial carrier, peroxisomal membrane protein), member 17	A_52_P72654	0.560	refNM_011399[ens]ENSMUST00000023040[gb]AK02388[gb]AK003872
Gm88	predicted gene 88	A_52_P734742	0.558	refNM_00111142[ref]NM_001478757[ens]ENSMUST00000095262[gb]AK134769
Ef1	eukaryotic translation initiation factor 1	A_52_P74044	0.549	refNM_011508[ref]NM_001100618[ref]NM_387154[gb]NM_917451
Rps21	ribosomal protein S21	A_52_P740582	0.556	refNM_025587[ens]ENSMUST00000059080[gb]BC023795[gb]AK010610
Fam117b	family with sequence similarity 117, member 8	A_52_P742248	0.533	refNM_001037725[ens]ENSMUST00000030540[gb]AK154812[gb]AK078064
		A_52_P74524	0.799	ens ENSMUST00000070897[gb]AK038227[ref]NM_0130088E03[ref]NAP124631-1
		A_52_P74715	0.557	refNM_0282-001
Lym2	LYR motif containing 2	A_52_P75146	0.569	refNM_175364[ens]ENSMUST000000062802[gb]BC028533[gb]AK044791
Rcc2	regulator of chromosome condensation 2	A_52_P755474	0.724	ens ENSMUST00000110766[gb]AK045015[ref]NM_130019G13[ref]NAP1863006-1
Gm5978	predicted gene 5978	A_52_P76034	0.548	refNM_173847[ens]ENSMUST00000033889[gb]AK07046[gb]BC023085
		A_52_P76196	0.607	refNM_902301[ref]NM_923508[ens]ENSMUST00000071458[ref]NAP14005
		A_52_P76286	0.545	gb AK035834[ref]NM_003009A21
		A_52_P76629	0.640	gb AK146746[ref]NM_123442G10[ref]NAP053276-1[ref]NM_1670231
H3f3a	H3 histone, family 3A	A_52_P76734	0.522	refNM_008210[ref]NM_001081019[ref]NM_907873[ref]NM_001474670
1600014C10Rik	RIKEN cDNA 1600014C10 gene	A_52_P77093	0.625	refNM_028160[ref]NM_001085385[gb]AK146474[gb]AK032342
		A_52_P771106	0.545	gb AK023393[ref]NM_032003C21
Acs4	acyl-CoA synthetase long-chain family member 4	A_52_P78203	0.513	refNM_027625[ref]NM_019477[ref]NM_001033600[ens]ENSMUST00000033634
1110032A03Rik	RIKEN cDNA 1110032A03 gene	A_52_P78730	0.545	refNM_023483[ens]ENSMUST00000042468[ens]ENSMUST00000042576[gb]CT010205
Nckap1	NCK-associated protein 1	A_52_P786280	0.521	TC1624657
Dpm2	dolichol-phosphate (beta-D) mannosyltransferase 2	A_52_P7946	0.676	refNM_016965[ens]ENSMUST00000111760[ens]ENSMUST0000002836[ens]ENSMUST00000111759
2810001G20Rik	RIKEN cDNA 2810001G20 gene	A_52_P80444	0.507	refNM_010073[ens]ENSMUST00000028151[gb]AK02468[gb]AK004241
		A_52_P81630	0.538	refNM_001474349[ref]NM_001478904[gb]AK012631[gb]AK007927
		A_52_P819366	0.718	gb AK041684[gb]AK153115[ref]NM_003002159[ref]NM_173007E20
Lypla1	lysophospholipase 1	A_52_P8227	0.509	refNM_008866[ens]ENSMUST00000027036[gb]AK146874[gb]AK002674
B3gal1	UDP-Gal:beta-GlcNAc beta 1,3-galactosyltransferase, polypeptide 1	A_52_P826021	0.546	refNM_020283[ens]ENSMUST00000112346[gb]AK018190[gb]AK139979
Xpa	xeroderma pigmentosum, complementation group A	A_52_P83233	0.572	refNM_011728[ens]ENSMUST00000107768[ens]ENSMUST0000006232[ens]ENSMUST00000030013
Dip2a	DIP2 disc-interacting protein 2 homolog A (Drosophila)	A_52_P8386	0.569	refNM_001081419[ref]NM_001472706[ens]ENSMUST00000036033[ens]ENSMUST00000105471
Taf7	TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor	A_52_P83869	0.564	refNM_175770[ens]ENSMUST00000068272[gb]AK02980[gb]BC029873
Gad45gp1	growth arrest and DNA-damage-inducible, gamma interacting protein 1	A_52_P84366	0.510	gb AK041831[ref]NM_0030040N16[ref]NAP081684-1[ref]NM_1659714
Wip2	WAS/WASL interacting protein family, member 2	A_52_P85020	0.762	refNM_183356[gb]AK028227[ref]NM_001242503[ref]NM_1516749
Snx6	sorting nexin 6	A_52_P851971	0.624	refNM_197940[gb]AK087041[gb]BC532123[ref]NM_030022G12
Mpi45	mitochondrial ribosomal protein L45	A_52_P85875	0.521	refNM_026988[ref]NM_001479028[ens]ENSMUST00000005078[gb]AK011640
		A_52_P85963	0.590	refNM_025927[ref]NM_00000019026[gb]AK011605[gb]AK004222
Drc2	disrupted in renal carcinoma 2 (human)	A_52_P860067	0.541	gb AK078072[ref]NM_0030436C20[ref]NAP089176-1[ref]NM_1602408
Krr1	KRR1, small subunit (SSU) processome component, homolog (yeast)	A_52_P860515	0.620	gb AK140295[gb]BX29627[ref]NM_02330387D07
		A_52_P86917	0.544	refNM_178610[gb]AK078627[ref]NM_17330409K10[ref]NAP001784-001
		A_52_P87598	0.599	gb AK047419[ref]NM_0030059J06[ref]NAP083996-1[ref]NM_1590414
Stx8	syntaxin 8	A_52_P876257	0.628	refNM_0088603[ref]NM_0030010D18[ref]NAP124973-1
		A_52_P883920	0.886	gb AK043458[ref]NM_003007D08[ref]NAP082551-1[ref]NM_1616648
Seng7	SUMO1/sentrin specific peptidase 7	A_52_P88722	0.512	refNM_025443[gb]NM_001002871[ens]ENSMUST0000006832[ens]ENSMUST00000089360
Vps37a	vacuolar protein sorting 37A (yeast)	A_52_P88808	0.530	refNM_033560[ref]NM_001473199[ens]ENSMUST00000098817[gb]AK016385
Dusp18	dual specificity phosphatase 18	A_52_P89004	0.501	refNM_173745[ens]ENSMUST00000055931[gb]AK030077[gb]AK052827
Cfr2	cerebellar degeneration-related protein 2-like	A_52_P891775	0.519	refNM_00108029[ens]ENSMUST00000053286[gb]AK051090[ref]NM_030068L24
Pdx2	peroxiredoxin 2	A_52_P893440	0.530	refNM_011563[ens]ENSMUST0000002525[ens]ENSMUST00000119734[ens]ENSMUST00000109733
Lem3d	LEM domain containing 3	A_52_P89756	0.550	refNM_001081193[ref]NM_001472487[ens]ENSMUST00000053671[ens]ENSMUST00000105260
		A_52_P91054	0.599	refNAP085771-1
A830091E24	hypothetical A830091E24	A_52_P916402	0.603	gb AK044111[ref]NM_0030091E24[ref]NM_1591040
6330509M05Rik	RIKEN cDNA 6330509M05 gene	A_52_P923110	0.533	gb AK031957[ref]NM_003009M05
		A_52_P923420	0.612	gb AK046981[ref]NM_00300096917
Khdcs	kelch domain containing 5	A_52_P93066	0.552	refNM_001018123[ref]NM_001473199[ens]ENSMUST00000036033[gb]AK129339[gb]BC011328
		A_52_P932813	0.557	gb AK140658[ref]NM_003007J003[ref]NM_0030019G21[ref]NM_1713239
		A_52_P932984	0.507	gb AK0394648
		A_52_P941407	0.505	refNM_028969[ens]ENSMUST00000020490[gb]AK037620[gb]BC019115
5430440L12Rik	RIKEN cDNA 5430440L12 gene	A_52_P94161	0.515	gb AK017471[ref]NM_0030440L12[ref]NM_0014809
Scoc	short coiled-coil protein	A_52_P96587	0.587	refNM_019708[ref]NM_001039137[ref]NM_001473935[ens]ENSMUST00000081506
Pfp	phosphoglycolate phosphatase	A_52_P96772	0.535	gb AK072010[gb]AK217452[gb]AK01357[ref]NM_000022204
Depot5	DEP domain containing 5	A_52_P97858	0.660	refNM_001025426[ref]NM_001170567[gb]AK0359001[ref]NM_001423083P18
		A_52_P987449	0.558	

Supplementary Table 2

Gene lists used for the tissue specific functional analysis (shown in Table 5) at 6 and 15 months. These lists were obtained by the following steps: 1) we computed the standard correlation of gene normalized expression values, in the Log2 scale, with each gene in the set $\{\text{core}\}_{6-15m}$ (see Fig. 1), across the samples corresponding to each tissue and age, and selected genes with a correlation >0.80 in absolute value; 2) we compiled the lists of differentially expressed genes, for each tissue and age, by the SAM algorithm, with a q -value threshold of 0.05; 3) we eventually selected for functional analysis the intersection, for each tissue and age, of the sets obtained in steps (1) and (2)

BF 6m		
Symbol	Agilent probe	Accessions
Lnx1	A_51_P100063	ref NM_010727 ref NM_001159577 ref NM_001159579 ref NM_001159580
Gtf2h4	A_51_P104747	ref NM_010364 ens ENSMUST00000001565 gb AK144680 gb AK146112
Ppp1r11	A_51_P105320	ref NM_029632 ens ENSMUST000000040402 gb AK005379 gb AK077455
Nomo1	A_51_P105520	ref NM_153057 ens ENSMUST000000033121 gb AK082495 gb AK142338
Camk1	A_51_P106259	ref NM_133926 ens ENSMUST000000032409 gb AK089742 gb AK170188
Camk1	A_51_P106263	ref NM_133926 ens ENSMUST000000032409 gb AK208371 gb AK089742
Tnrc4	A_51_P106591	ref NM_172434 ens ENSMUST000000029784 gb AK044506 gb BC031740
4930555G01Rik	A_51_P107039	ref NM_175393 ref XM_001475922 ref XM_001477839 ref XM_891048
Rpl23	A_51_P108190	ref NM_022891 gb AF287271 gb AK012694 gb AK150671
C3	A_51_P110301	ref NM_009778 ens ENSMUST000000024988 gb K02782 gb BC043338
Rnd1	A_51_P111164	ref NM_172612 ens ENSMUST000000034511 gb AK161870 gb AK043639
Nudt19	A_51_P111952	ref NM_033080 ens ENSMUST000000040962 gb X04097 gb K03414
St6galnac2	A_51_P112627	ref NM_009180 ens ENSMUST000000079545 gb X93999 gb AK004613
Prpf19	A_51_P113784	ref NM_134129 ens ENSMUST000000025642 gb AB222602 gb AK214592
Gpr85	A_51_P113806	ref NM_145066 ens ENSMUST000000060442 ens ENSMUST00000115491 ens ENSMUST00000115492
Ccl17	A_51_P114462	ref NM_011332 ens ENSMUST000000034232 gb AJ242587 gb AF125570
1110005A03Rik	A_51_P114591	ref NM_028865 ens ENSMUST000000021171 ens ENSMUST00000106370 gb AK160133
Sh3bp5l	A_51_P115988	ref NM_024480 ref NM_001161338 ens ENSMUST00000116376 ens ENSMUST000000073128
A330021E22Rik	A_51_P116601	ref NM_172447 gb BC062906 gb BC050971 gb AK076835
Cbx3	A_51_P117162	ref NM_007624 ref XM_912423 ref XM_356668 ref XM_906460
Naa30	A_51_P119031	ref NM_001081430 ens ENSMUST000000037362 gb AK044235 gb AK017805
Sqstm1	A_51_P119077	ref NM_011018 ens ENSMUST00000102774 ens ENSMUST00000015981 gb U40930
Pa2g4	A_51_P119923	ref NM_011119 ens ENSMUST000000026425 gb BC037623 gb BC003777
Dnahc6	A_51_P121134	ref NM_001164669 ens ENSMUST00000114040 ens ENSMUST000000064948 gb AK220414
Zeb2	A_51_P121206	ref NM_015753 ens ENSMUST000000076836 ens ENSMUST000000028229 ens ENSMUST000000068415
Ascc2	A_51_P121228	ref NM_029291 ens ENSMUST000000070257 ens ENSMUST00000109930 gb AK005869
Pex5l	A_51_P121266	ref NM_021483 ref NM_001163516 ref NM_001163517 ens ENSMUST00000108221
Pop4	A_51_P125117	ref NM_025390 ens ENSMUST000000032585 gb AK003908 gb AK150459
Hars	A_51_P125368	ref NM_008214 ens ENSMUST00000001416 gb U39473 gb AK088824
Ppp2cb	A_51_P125535	ref NM_017374 ens ENSMUST000000009774 gb Z67746 gb BC049594
A_51_P125965	A_51_P125965	gb AK008770 riken Z21002ZJ03 tc NP356512
Fgf12	A_51_P126337	ref NM_183064 ref NM_010199 ens ENSMUST00000100024 gb AK034335
Wnt4	A_51_P130475	ref NM_009523 ens ENSMUST000000045747 gb BC103560 gb BC103562
Klf20a	A_51_P133138	gb Y09632 tc TC1781904
Coch	A_51_P135517	ref NM_007728 ens ENSMUST000000085412 gb AK156430 gb AF006741
Cep97	A_51_P138952	ref NM_028815 ens ENSMUST00000117468 ens ENSMUST00000118500 ens ENSMUST000000023270
5330437I02Rik	A_51_P139538	ref NM_177028 ens ENSMUST000000056782 ens ENSMUST000000078293 ens ENSMUST00000115097
Snx24	A_51_P140460	ref NM_029394 gb AK218929 gb BC051168 gb AK017610
Dpp10	A_51_P141580	ref NM_199021 ens ENSMUST000000035420 ens ENSMUST00000112606 ens ENSMUST00000112603
Fancm	A_51_P142346	ref NM_178912 ens ENSMUST000000058889 gb BC150785 gb AK050832
Myh8	A_51_P143296	ref NM_177369 ens ENSMUST000000019625 gb M12289 gb BC150737
Efn5a	A_51_P144319	ref NM_207654 ref NM_010109 ens ENSMUST000000076840 ens ENSMUST000000078839
Tuba3a	A_51_P145402	ref NM_009446 ref NM_009449 ens ENSMUST000000088246 ens ENSMUST000000087445
Rnf14	A_51_P145533	ref NM_020012 ref NM_001164621 ref NM_001164622 ens ENSMUST000000072376
Cdkn1b	A_51_P146126	ref NM_009875 ens ENSMUST000000003115 gb AK169586 gb AK154276
Nsdhl	A_51_P146701	gb AK156993 gb BC025545 riken F830111P16 nap NAP110657-1
Cpne9	A_51_P147766	ref NM_170673 ens ENSMUST000000041203 gb BC115728 gb AK044080
Rnf11	A_51_P148494	ref NM_029788 ens ENSMUST000000020827 gb AK153293 gb AK002624
Mxd4	A_51_P148865	ref NM_010753 ens ENSMUST000000042701 ens ENSMUST00000119171 gb U32395
Usp24	A_51_P152578	ref NM_183225 ref XM_001473472 gb BC029165 gb XM_001481281
Zfp672	A_51_P155174	ref NM_028331 ens ENSMUST000000064786 gb AK019676 gb AK008471
Matr3	A_51_P156348	ref NM_010771 ens ENSMUST000000041514 gb AK164188 gb CT010322
Wapal	A_51_P160625	ref NM_001004436 ens ENSMUST000000090027 ens ENSMUST000000048263 gb AK041191
Ifit2	A_51_P161021	ref NM_008332 ens ENSMUST00000102826 gb AK038027 gb U43085
Bcr	A_51_P162437	ref NM_001081412 ens ENSMUST000000041070 gb AK129482 gb BC048842
Bdh1	A_51_P163106	ref NM_175177 ref NM_001122683 ens ENSMUST00000115227 ens ENSMUST000000089759
Rin2	A_51_P163188	ref NM_028724 ref XM_001473877 ens ENSMUST000000094480 ens ENSMUST000000071473
Tmem191c	A_51_P165082	ref NM_177473 ens ENSMUST00000118972 ens ENSMUST000000069420 ens ENSMUST00000120070
Mrp133	A_51_P165330	ref NM_025796 ens ENSMUST000000031024 gb AB049651 gb AK002421
Tlcl5	A_51_P166325	ref NM_001080949 ref XM_001003884 ref XM_982491 ens ENSMUST00000006451
Mov10	A_51_P169495	ref NM_008619 ref NM_001163440 ref NM_001163441 ens ENSMUST00000106774
Dcaf4	A_51_P170641	ref NM_030246 ref NM_001165256 ens ENSMUST000000021645 gb AK215592
Map3k6	A_51_P170807	gb AB021861 nap NAP121553-001
Pdrg1	A_51_P173961	ref NM_178939 ens ENSMUST000000028972 gb AK145939 gb AK003410
Zdhhc14	A_51_P174081	ref NM_146073 ens ENSMUST000000089185 gb AK046719 gb AF542387
Rnf41	A_51_P174864	ref NM_001164237 ens ENSMUST000000096386 gb AF305730 gb AK031657
Igddc3	A_51_P179921	ref NM_008988 ens ENSMUST000000034961 gb AK051027 gb AK011484
Pot1a	A_51_P181152	ref NM_133931 ens ENSMUST00000115330 ens ENSMUST000000031687 gb BC016121
Bcal2	A_51_P181448	ref NM_009737 ens ENSMUST000000033098 ens ENSMUST00000120296 ens ENSMUST00000117366
Hbegf	A_51_P181565	ref NM_010415 ens ENSMUST000000025363 gb AK145548 gb S79455
Prrx2	A_51_P183746	gb BC137872 gb BC137874 gb X52875 nap NAP023032-001
Cntfr	A_51_P184184	ref NM_016673 ref NM_001136056 ens ENSMUST00000102961 ens ENSMUST00000102962

Supplementary Table 2
(Continued)

Ube2o	A_51_P184573	ref NM_173755 ens ENSMUST00000082152 gb U20780 gb BC059193
Sh3bgrl	A_51_P186741	ref NM_019989 ens ENSMUST00000033598 gb AK206027 gb AK210815
Gm2881	A_51_P186798	ref XM_001475285 gb AK076764 riken 4930439M07 nap NAP119166-1
Kcnma1	A_51_P187352	ref NM_010610 ens ENSMUST00000100831 ens ENSMUST00000065788 ens ENSMUST00000074983
Dscam	A_51_P189943	ref NM_031174 ens ENSMUST00000056102 gb AF315558 gb AK141963
Rem2	A_51_P191909	ref NM_080726 ens ENSMUST00000022783 gb BC018219 gb AK090165
Aurkaip1	A_51_P192550	ref NM_025338 ens ENSMUST00000105591 ens ENSMUST00000105592 ens ENSMUST00000084097
Glyctk	A_51_P194004	ref NM_174846 ref NM_001039586 ens ENSMUST00000036382 ens ENSMUST00000112543
Pam	A_51_P194070	ref NM_013626 ens ENSMUST00000097625 ens ENSMUST00000058762 gb AK051649
Ttr	A_51_P194149	ref NM_013697 gb D89076 gb AK014454 gb AK080757
Zfp330	A_51_P195625	ref NM_145600 ens ENSMUST00000034147 gb AK050534 gb AK037748
Notch4	A_51_P195875	ref NM_010929 ens ENSMUST00000015612 gb U43691 gb AK145153
Ssh1	A_51_P197745	gb AK173144 gb AK089308 gb AK170212 gb AK171210
	A_51_P199435	nap NAP103569-1 nap NAP026022-1
1600014C10Rik	A_51_P199552	ref NM_028166 ref NM_001085385 gb BC019834 gb BC010476
Fto	A_51_P199899	ref NM_011936 ens ENSMUST00000069718 gb AK088881 gb AJ237917
Slc4a8	A_51_P199974	ref NM_021530 ens ENSMUST00000023776 gb AF224508 gb AK039404
Mpst	A_51_P200529	ref NM_138670 ref NM_001162492 ref NM_001162493 ens ENSMUST00000100475
March8	A_51_P200586	ref NM_027920 ens ENSMUST00000101031 ens ENSMUST00000101032 ens ENSMUST00000079012
Stat3	A_51_P201480	ref NM_213659 ref NM_213660 ref NM_011486 ens ENSMUST00000092671
Gabrg2	A_51_P202084	ref NM_008073 ens ENSMUST00000070735 ens ENSMUST00000070725 ens ENSMUST00000109292
Thg1l	A_51_P204646	ref NM_001080969 gb AK010876 gb BC115560 gb BC115561
Gm14288	A_51_P206849	ref NM_001033123 ref XM_001004283 ref XM_001480623 ref XM_001004267
	A_51_P206856	ens ENSMUST00000122231 gb AK083205 riken C630028B01 tc TC1579815
Zfp781	A_51_P207454	ref NM_199062 ref XM_001475544 ref XM_984750 ref XM_985679
Fmod	A_51_P207622	ref NM_021355 ens ENSMUST00000048183 gb AK053317 gb AK080601
Decr1	A_51_P208555	ref NM_026172 gb AK146003 gb AK004725 gb BC046972
Atcay	A_51_P209697	ref NM_178662 ens ENSMUST00000047408 gb AK038483 gb AK086723
	A_51_P210310	ens ENSMUST00000103291 gb X00438 gb DQ126341 gb EF154514
Glrx	A_51_P210395	ref NM_053108 ens ENSMUST00000022082 gb AK013722 gb AK153086
B3galnt6	A_51_P211334	ref NM_080445 ens ENSMUST00000052185 gb AY050569 gb AK090344
Gltpd1	A_51_P211488	ref NM_024472 ens ENSMUST00000105586 ens ENSMUST00000030950 gb AK089229
Rin1	A_51_P211765	ref NM_145495 ens ENSMUST00000025818 gb BC011277 nap NAP012432-001
2610019F03Rik	A_51_P214470	ref NM_173744 ens ENSMUST00000062613 gb AK0077810 gb AK166875
Rab18	A_51_P215496	ref NM_181070 ens ENSMUST00000097680 gb L04966 gb AK146177
Plac9	A_51_P215627	ref NM_207229 ref XM_001472394 ref XM_001472576 ens ENSMUST00000052286
A130022J15Rik	A_51_P216702	ref NM_175313 ens ENSMUST00000054344 gb BC048939 gb AK037507
Gng10	A_51_P217047	ref NM_025277 ens ENSMUST00000041160 gb AK014158 gb AK003187
Tbcl1d13	A_51_P218165	ref NM_146252 gb BC025586 nap NAP011289-001
Pfn1	A_51_P220993	ref NM_011072 ens ENSMUST00000018437 gb AK028117 gb AK150780
Cd47	A_51_P221014	ref NM_010581 ens ENSMUST00000084838 ens ENSMUST00000114496 gb AB012693
Al314180	A_51_P221886	ref NM_172381 ens ENSMUST00000102889 ens ENSMUST00000098054 ens ENSMUST00000107560
Atic	A_51_P222436	ref NM_026195 ref XM_001476884 ens ENSMUST00000027384 gb AK010611
D14Ert449e	A_51_P222453	ref NM_025311 ref XM_001472492 ref XM_001472657 ref XM_001472510
Cacng2	A_51_P226645	gb AK047238 gb AK164203 gb BC055759 riken C630048K04
Adams2	A_51_P227222	ref NM_175643 ens ENSMUST00000040523 gb AK040370 gb BC046456
Nxph1	A_51_P229344	gb AK047847 gb AK163438 gb BC068137 gb BC079608
Nrxn1	A_51_P229547	ref NM_020252 ref NM_177284 ens ENSMUST00000072671 ens ENSMUST00000054059
Etak1	A_51_P229599	ref NM_029250 ens ENSMUST00000032413 gb AK044502 gb AK033268
Rprd1b	A_51_P229633	ref NM_027434 gb DQ372939 gb BC028819 gb AK152125
Dnajb14	A_51_P233267	ref NM_001033155 ens ENSMUST00000090178 gb AK017735 gb AK139489
6330406115Rik	A_51_P233304	ref NM_027519 ens ENSMUST00000121876 ens ENSMUST00000093110 gb AB055406
Nod1	A_51_P234113	ref NM_172729 ens ENSMUST00000060655 gb AK137585 gb AK089662
Sdcbp2	A_51_P234253	ref NM_145535 ens ENSMUST00000028950 gb AK160483 gb AK144452
Kbtbd5	A_51_P235139	ref NM_028202 ens ENSMUST00000098272 gb AK009491 gb AK078669
Slc6a7	A_51_P237924	ref NM_201353 ens ENSMUST00000025520 gb AK141581 gb BC050103
Bcl2l12	A_51_P239286	ref NM_029410 ens ENSMUST00000003290 gb AK017362 gb BC039807
	A_51_P241101	gb X61497 nap NAP109743-1 tc TC1582712
Dusp16	A_51_P242634	gb AF345951 gb AF345952 gb AF345953 gb AF345954
Plp2	A_51_P243532	ref NM_019755 ens ENSMUST00000033486 gb AB031292 gb BC119088
2610507B11Rik	A_51_P244543	ref NM_001002004 ens ENSMUST00000010421 gb X81632 gb BC040464
6430527G18Rik	A_51_P244577	ref NM_145836 ref XM_001473734 gb AK032622 gb AK082791
Rpgrip1	A_51_P244973	ref NM_023879 ref NM_001168515 ens ENSMUST00000111603 ens ENSMUST00000111600
Pbx2	A_51_P246471	ref NM_017463 ens ENSMUST00000038149 gb BC010287 gb BC062147
Cse1l	A_51_P248705	ref NM_023565 ens ENSMUST00000002790 gb AK138940 gb BC145393
Ccdc80	A_51_P248786	ref NM_026439 ens ENSMUST00000099498 ens ENSMUST00000061050 gb AB075019
Hsd17b7	A_51_P250934	ref NM_010476 gb Y15733 gb AK028380 gb AK050211
Nme1	A_51_P253904	ref NM_008704 ref XM_001476919 gb U85511 gb AK136353
Hdc	A_51_P254656	ref NM_008230 ens ENSMUST00000028838 gb AF109137 gb AK133455
Cdk11b	A_51_P255336	ref NM_007661 ens ENSMUST00000067081 ens ENSMUST00000105599 ens ENSMUST00000105600
Zfp768	A_51_P256224	ref NM_146202 ens ENSMUST00000060783 gb AK155155 gb AK080841
D5Ert4579e	A_51_P257314	ref NM_001081232 ens ENSMUST00000031091 ens ENSMUST00000087545 gb AK122224
	A_51_P257640	nap NAP057035-1
Per3	A_51_P258493	ref NM_011067 ens ENSMUST00000103204 gb BC145178 gb BC141032
Nup35	A_51_P259230	ref NM_027091 ref XM_001479515 gb AK009187 gb AK136109
Lpl	A_51_P259296	ref NM_008509 ens ENSMUST00000015712 gb BC091764 gb AK151925

Supplementary Table 2
(Continued)

Gcdh	A_51_P260098	gb U18992
4933407C03Rik	A_51_P260695	ref NM_001163262 ref NM_028941 ens ENSMUST00000095172 ens ENSMUST00000039866
Itpril1	A_51_P263407	ref NM_001163527 ref NM_001163528 ens ENSMUST00000099409 gb AK028913
Col11a2	A_51_P264666	ref NM_009926 ens ENSMUST00000076926 ens ENSMUST00000114258 ens ENSMUST00000114257
Whrn	A_51_P264685	gb AK039124 riken A230098N07 nap NAP025425-001 tc TC1635500
Ggt7	A_51_P265312	ref NM_144786 ens ENSMUST00000029131 gb AK203830 gb AK032051
Ly6a	A_51_P265495	ref NM_010738 ens ENSMUST00000023248 gb J03636 gb X04653
Thbs3	A_51_P267053	ref NM_013691 ens ENSMUST00000119084 ens ENSMUST00000029682 gb L04302
2010012O05Rik	A_51_P267508	ref NM_025563 ens ENSMUST00000074912 gb AK008215 gb BC027506
Icam2	A_51_P267754	ref NM_010494 ens ENSMUST00000106810 ens ENSMUST0000001055 ens ENSMUST00000106813
Bnip3l	A_51_P269456	ref NM_009761 ref XM_001472142 ref XM_001480439 ens ENSMUST00000022634
Hmgb1	A_51_P269554	ref NM_010439 ens ENSMUST00000085546 gb Z11997 gb AK084841
Ndufa10	A_51_P272123	ref NM_024197 ens ENSMUST00000027478 gb AK217787 gb AK005339
Cadps	A_51_P273626	ref NM_012061 ref NM_001042617 ens ENSMUST00000112658 ens ENSMUST00000112657
Ppargc1a	A_51_P279038	ref NM_008904 ref NR_027710 ens ENSMUST00000031059 gb AF049330
Plcg2	A_51_P279163	ref NM_172285 ens ENSMUST00000081232 gb BC019654 gb BC049273
Cav2	A_51_P279552	ref NM_016900 ens ENSMUST0000000058 gb AF141322 gb AK151397
Rel1	A_51_P279712	ref NM_145923 ens ENSMUST00000087327 gb AK133845 gb BC023848
Ehfa2	A_51_P282518	ref NM_030110 ens ENSMUST00000068999 gb AK019353 gb BC145173
Gm14410	A_51_P283292	ref NM_001113806 ref XM_902322 ref XM_001472314 ref XM_001472066
9530077C05Rik	A_51_P284442	ref NM_026739 ens ENSMUST00000058868 gb AK003384 gb BC054761
Frzb	A_51_P286748	ref NM_011356 ens ENSMUST00000028389 gb AK019093 gb U68058
1110004F10Rik	A_51_P287030	ref NM_019772 ens ENSMUST00000106608 ens ENSMUST00000032899 ens ENSMUST00000106607
Serpinh1	A_51_P287069	ref NM_009825 ref NM_001110433 ref NM_001110444 ens ENSMUST000000094154
Dis3l	A_51_P289506	ens ENSMUST00000068367 gb AK151780 gb AK032451 gb AK150851
	A_51_P290352	ens ENSMUST00000099179 gb AK140033 gb AK137346 riken B230105D18
Pafah1b1	A_51_P291388	gb U95116 nap NAP109456-1
2310033P09Rik	A_51_P291819	ref NM_024210 ens ENSMUST00000020719 gb AK009601 gb BC002181
Tmco6	A_51_P292368	ref NM_028036 ens ENSMUST0000007046 gb AK010487 gb BC005637
Syt1	A_51_P298873	ref NM_009306 gb D37792 gb AK164153 gb BC042519
Sxbp1	A_51_P300717	ref NM_009295 ref NM_001113569 ens ENSMUST00000077458 ens ENSMUST00000050000
Tubd1	A_51_P302056	ref NM_019756 ens ENSMUST00000108030 ens ENSMUST00000069503 ens ENSMUST00000020821
Ltb	A_51_P302358	ref NM_008518 ens ENSMUST00000025262 gb BC114919 gb U16985
	A_51_P304449	gb AK031960 riken 6330512I01
D1Pas1	A_51_P304876	ref NM_033077 ens ENSMUST000000045108 gb J04847 gb BC139286
3100002H09Rik	A_51_P306215	gb AK013916 riken 3100002H09 nap NAP010280-001 tc TC1593230
Gtf3a	A_51_P307644	ref NM_025652 ens ENSMUST00000016647 gb AK008247 gb AK012797
Ugt1a6b	A_51_P308362	ref NM_201410 ref NM_145079 ref NM_201642 ref NM_201641
Sae1	A_51_P308447	gb AK087556 riken E130319M10
Adams15	A_51_P311038	ref NM_001024139 ens ENSMUST00000065112 gb BC094677 gb BC043308
Ctdp1	A_51_P313467	ref NM_026295 ens ENSMUST00000036229 ens ENSMUST00000114707 gb AK156617
Lmna	A_51_P313561	ref NM_019390 ref NM_001111102 ens ENSMUST00000036252 ens ENSMUST00000120377
	A_51_P314788	gb AK033949 riken 9330126K07 tc TC1612960
Nfs1	A_51_P315646	ref NM_010911 ens ENSMUST00000029147 gb AJ222660 gb BC010586
	A_51_P322531	gb AK078234 riken 6430530F17 tc TC1626829
Pop1	A_51_P322910	gb AK016547 riken 4932434G09
Sdc4	A_51_P323248	ref NM_011521 gb AK149784 gb AK145805 gb D89571
Fam71e1	A_51_P323531	ref NM_028169 ens ENSMUST00000107927 gb AK006229 gb BC100470
March6	A_51_P324072	ref NM_172606 ens ENSMUST00000090227 ens ENSMUST00000043840 gb AK089827
Gm14288	A_51_P324768	ref NM_001033123 ref XM_001480623 ref XM_001004283 ref XM_001004267
Aph1b	A_51_P325124	ref NM_177583 gb AK049828 gb AK162585 riken C630002F03
Cd47	A_51_P325561	gb AK164165 gb AK021021 riken B430305P08 riken C630029O17
Nol4	A_51_P332228	ref NM_199024 ref NM_001161483 ens ENSMUST00000081423 ens ENSMUST00000069215
Gnb1	A_51_P335081	ref NM_008142 ref NM_001160016 ref NM_001160017 ens ENSMUST00000030940
Agpat6	A_51_P335710	ref NM_018743 ens ENSMUST00000033949 gb AK185893 gb AK216213
Aebp1	A_51_P336770	ref NM_009636 ens ENSMUST00000020766 ens ENSMUST00000102923 ens ENSMUST00000109829
Rps19	A_51_P337290	ref NM_023133 ref XM_913504 ref XM_893968 ens ENSMUST00000108429
Cd320	A_51_P337510	ref NM_019421 ens ENSMUST00000002379 ens ENSMUST00000087559 gb AK021187
P2ry12	A_51_P338878	ref NM_027571 ens ENSMUST00000050360 gb BC027381 gb BC025428
Cdkn1c	A_51_P339540	ref NM_009876 ref NM_001161624 ens ENSMUST00000037287 gb U20553
Pgam1	A_51_P342669	ref NM_023418 ens ENSMUST00000011896 gb AK177942 gb AK206956
Ppp1cb	A_51_P342716	ref NM_172707 ens ENSMUST00000015100 gb AK166168 gb AK166416
B3galt1	A_51_P342916	ref NM_020283 ens ENSMUST00000042456 ens ENSMUST00000112346 gb BC132246
Plk1	A_51_P344566	ref NM_011121 ens ENSMUST00000033154 gb AK134045 gb L19558
Psap1	A_51_P345073	ref NM_175249 ens ENSMUST00000052224 gb AK028455 gb AK009408
Onecut2	A_51_P345274	ref NM_194268 ens ENSMUST00000056719 ens ENSMUST00000115145 gb BC103668
Odf4	A_51_P351062	ref NM_145746 ens ENSMUST00000038932 gb AB074438 gb BC060992
Zfp365	A_51_P352216	ref NM_178679 ens ENSMUST00000006465 ens ENSMUST00000048213 gb AK033892
Immp2l	A_51_P360262	ref NM_053122 gb AK161351 gb AF359564 gb BC100557
Agpat5	A_51_P361286	ref NM_026792 gb AK082137 gb AK036706 riken C230012M10
Itih5	A_51_P364250	ref NM_172471 ens ENSMUST00000026886 gb AK134707 gb AK140756
Slnf5	A_51_P364694	ref NM_183201 gb AK138790 gb AK080076 riken A430071M17
Ankrd43	A_51_P365859	ref NM_183173 ens ENSMUST00000104955 gb BC117863 gb BC117862
Trdm1	A_51_P365952	ref NM_010067 ens ENSMUST00000028055 gb BC087892 gb AF012129
Gdi2	A_51_P366890	ref NM_008112 ens ENSMUST00000059515 ens ENSMUST00000110714 gb L36314
Prc1	A_51_P366931	gb AK088576 gb AF408435 gb BC005475 riken E430020K16

Supplementary Table 2
(Continued)

Gnai1	A_51_P367834	ref NM_010305 ens ENSMUST00000074694 gb U38501 gb BC032995
Zmynd17	A_51_P369426	ref NM_029104 ens ENSMUST00000022353 gb AK014794 gb BC119773
Pttg1	A_51_P371190	ref NM_013917 ref NM_001131054 ens ENSMUST00000121638 ens ENSMUST00000020687
Zfp433	A_51_P372895	ref XM_984400 ref XM_924400 gb AK007242 gb BC064812
Kras	A_51_P377237	ref NM_021284 ens ENSMUST00000111710 ens ENSMUST00000111709 ens ENSMUST00000032399
Rnasel	A_51_P377760	ref NM_011882 ens ENSMUST00000086209 gb BC003873 gb AK053125
Guca2a	A_51_P378210	ref NM_008190 ens ENSMUST00000024015 gb AK075814 gb M95175
1200009O22Rik	A_51_P378870	gb AK051421 riken D130047M14 nap NAP095994-001
3110047P20Rik	A_51_P379552	ref NM_177006 ens ENSMUST00000053436 gb AK014189 gb AB093290
Arf5	A_51_P381801	ref NM_007480 ens ENSMUST00000020717 gb AY974568 gb BC132452
Procr	A_51_P382152	ref NM_011171 ens ENSMUST00000029140 gb AK167302 gb X63748
Pde9a	A_51_P383194	ref NM_008804 ref NM_001163748 ens ENSMUST00000047168 gb BC061163
Art3	A_51_P383524	ref NM_181728 ens ENSMUST00000058129 ens ENSMUST00000113087 ens ENSMUST00000113083
Fancg	A_51_P383800	ref NM_053081 ref NM_001163233 gb BC050890 gb AF406952
Sgk2	A_51_P384230	ref NM_013731 ens ENSMUST00000117123 ens ENSMUST00000018012 ens ENSMUST00000109433
Pak1	A_51_P385054	ref NM_011035 ens ENSMUST00000033040 gb BC145698 gb AF082077
Ddx1	A_51_P387220	ref NM_134040 ens ENSMUST00000071103 gb AK028341 gb AK166146
9630010G10Rik	A_51_P390755	gb AK035845 riken 9630010G10
Ang	A_51_P391159	ref NM_007447 ref NM_001161731 ens ENSMUST00000069011 gb AK159966
Gdi1	A_51_P391276	ref NM_010273 ens ENSMUST00000015435 gb AF251042 gb U07950
D8Ertd738e	A_51_P391668	ref NM_001007571 ref XM_001471475 ens ENSMUST00000019506 gb AK167785
Cklf	A_51_P394715	ref NM_029295 ens ENSMUST00000034342 ens ENSMUST00000109453 gb AF401531
Timm8b	A_51_P397426	gb AF196314 nap NAP094674-001 tc TC1575446
Crhr2	A_51_P399653	ref NM_009953 ens ENSMUST00000114374 ens ENSMUST0000003568 ens ENSMUST00000095897
Tmem33	A_51_P400527	ref NM_028975 ref NM_030108 ens ENSMUST00000119971 ens ENSMUST00000120237
Hdgfrp2	A_51_P400773	ref NM_008233 ens ENSMUST00000002911 gb AK144669 gb AK143616
Sspn	A_51_P401659	ref NM_010656 ens ENSMUST00000111701 ens ENSMUST00000111702 ens ENSMUST00000032383
Hist1h2aa	A_51_P405773	ref NM_175658 ens ENSMUST00000072391 gb BC107355 gb BC107354
Tmem48	A_51_P407606	ref NM_028355 ens ENSMUST00000030357 gb AK144734 gb BC021337
Slc6a20a	A_51_P412024	ens ENSMUST00000040960 gb AK043297 gb AK160468 gb AJ428067
Atrx	A_51_P413366	ref NM_009530 ens ENSMUST00000113574 ens ENSMUST00000033580 ens ENSMUST00000113573
Toerg1	A_51_P414481	ref NM_001039474 ens ENSMUST00000025375 ens ENSMUST00000115545 gb AB023485
Irgm2	A_51_P416295	ref NM_019440 ens ENSMUST00000094169 ens ENSMUST00000058704 ens ENSMUST00000108836
Zfp236	A_51_P417321	ref NM_177832 ens ENSMUST00000097504 gb AK156842 gb AK041130
Gadd45gip1	A_51_P419086	ref NM_183358 gb AK003314 gb AK009723 gb AK028227
Nhedc2	A_51_P421538	ref NM_178877 ens ENSMUST00000051849 gb AK029417 gb BC090977
Zmat4	A_51_P422685	ref NM_177086 ens ENSMUST00000042352 gb AK134793 gb AK036254
Flot1	A_51_P423091	ref NM_008027 ens ENSMUST00000001569 gb AY167925 gb U90435
Thsd1	A_51_P427516	ref NM_019576 gb AB039946 gb AK014758 gb AK052555
G6pc3	A_51_P430555	ref NM_175935 ens ENSMUST00000078975 ens ENSMUST00000070334 gb AY186239
H2-T22	A_51_P432538	ref NM_010397 ref NM_010395 ref NM_010399 ref XM_001471650
Cox7a2l	A_51_P434803	ref NM_009187 ref NM_001159529 ref XM_894265 ref XM_001004846
Epor	A_51_P435339	ref NM_010149 ens ENSMUST00000006397 gb AK010968 gb AK139031
Zfp871	A_51_P436447	ref NM_172458 ens ENSMUST00000057501 gb AK029041 gb BC043671
Rpa3	A_51_P438057	ref NM_026632 ref XM_885368 ref XM_912995 ens ENSMUST00000012627
Eif4g3	A_51_P438363	ref NM_172703 ref XM_001477622 ens ENSMUST00000105832 ens ENSMUST00000084215
Pycard	A_51_P438821	ref NM_023258 ens ENSMUST00000033056 gb AK007742 gb AF310104
Padi1	A_51_P439403	ref NM_011059 ens ENSMUST00000026378 gb AB013848 gb AK037182
Rif1	A_51_P439711	ref NM_175238 ens ENSMUST00000112692 ens ENSMUST00000112693 ens ENSMUST00000069794
Sh3pxd2a	A_51_P440923	ref NM_008018 ref NM_001164717 gb AK009333 gb AI614438
Eif3c	A_51_P443322	ref NM_146200 ref XM_001478697 ens ENSMUST00000081514 ens ENSMUST00000032992
Hnrnpa3	A_51_P443482	ref NM_146130 ref NM_198090 ref NM_053263 ref XM_895041
Depdc6	A_51_P445841	ref NM_145470 ens ENSMUST00000096433 ens ENSMUST00000023056 gb AK219129
Sbno1	A_51_P446036	ref NM_001081203 ens ENSMUST00000065263 ens ENSMUST00000100711 gb AK165852
Cldnd1	A_51_P446477	ref NM_171826 ens ENSMUST00000023426 gb AK216958 gb AK152121
Coq2	A_51_P447752	ref NM_027978 ref XM_891654 ens ENSMUST00000031262 gb AK213346
Cnbp	A_51_P448203	ref NM_013493 ref NM_001109745 ref NM_001109746 ens ENSMUST00000032138
Masp2	A_51_P448464	ref NM_010767 ens ENSMUST00000103219 gb AJ250369 gb Y19160
Masp2	A_51_P448466	ref NM_010767 ens ENSMUST00000105701 ens ENSMUST00000103219 gb AJ250369
1110036O03Rik	A_51_P450952	ens ENSMUST00000066489 ens ENSMUST00000107402 gb AK029271 riken 4832408F05
1110036O03Rik	A_51_P450955	ref NM_176830 ens ENSMUST00000066489 ens ENSMUST00000107402 gb BC031856
Bhlhe41	A_51_P451176	ref NM_024469 ens ENSMUST00000032386 gb AB044090 nap NAP023909-001
Cyp4f14	A_51_P452768	ref NM_022434 ens ENSMUST00000054174 gb AK005007 gb BC094016
Manba	A_51_P454103	ref NM_027288 ens ENSMUST00000029814 gb AF306557 gb AK166340
Ring1	A_51_P455266	ref NM_009066 ens ENSMUST00000025183 gb Y12881 gb AK155509
Ndufa12	A_51_P458538	ref NM_025551 ens ENSMUST00000020209 gb AK032774 gb AK153240
Ndufa12	A_51_P458540	ref NM_025551 ens ENSMUST00000020209 gb AK032774 gb AK153240
Dstn	A_51_P459350	ref NM_019771 ens ENSMUST00000103172 gb BC131926 gb AB025406
Ccdc123	A_51_P460958	ref NM_028120 ens ENSMUST00000079414 gb AK029107 gb AK012067
Hcfc2	A_51_P462286	gb AK018461 riken 8430436H03
Ly86	A_51_P465350	ref NM_010745 ens ENSMUST00000021860 gb AB007599 gb BC096414
Hdh3	A_51_P465582	ref NM_024257 ens ENSMUST00000037820 gb BC003491 gb AK013245
A530054K11Rik	A_51_P468609	ref NM_183146 ref NM_001001187 ens ENSMUST00000012314 gb AK032995
Eif2s2	A_51_P470724	ref NM_026030 gb BC003848 nap NAP092920-001 tc TC1573963
2610024G14Rik	A_51_P472488	ref NM_019836 ens ENSMUST00000047860 ens ENSMUST00000065065 gb AK017793
Sepw1	A_51_P474078	ref NM_009156 gb AF015284 nap NAP008251-001

Supplementary Table 2
(Continued)

Socs3	A_51_P474459	reflNM_007707 ens ENSMUST00000054002 gb AK172399 gb AK139241
Utp11l	A_51_P474468	reflNM_026031 ens ENSMUST00000030738 gb AK145266 gb AK007361
Lyp1a1	A_51_P475741	reflNM_008866 ens ENSMUST00000027036 gb CT010201 gb U89352
	A_51_P478172	ens ENSMUST00000103299 gb U07661 gb M15459 gb AK138971
Nosip	A_51_P479177	reflNM_025533 reflNM_001163684 ens ENSMUST00000003513 ens ENSMUST00000107830
Eltd1	A_51_P480328	reflNM_133222 ens ENSMUST00000046977 gb AF385682 riken 1110033N21
Rad18	A_51_P480855	reflNM_021385 ens ENSMUST00000068487 ens ENSMUST00000113184 ens ENSMUST00000077088
Tpd52l1	A_51_P482503	reflNM_009413 ens ENSMUST00000000305 gb AF004428 gb AK215058
Ppm1g	A_51_P484832	reflNM_008014 ens ENSMUST000000031032 gb AK187638 gb BC009004
Efcab7	A_51_P485275	reflNM_145549 ens ENSMUST00000097959 gb AK220422 gb AK142188
Irf3	A_51_P485499	reflNM_016849 ens ENSMUST00000107835 ens ENSMUST00000003284 ens ENSMUST00000107834
Cdh6	A_51_P485688	reflNM_007666 ens ENSMUST000000036439 gb D82029 gb BC107008
Susd3	A_51_P489887	reflNM_025491 ens ENSMUST00000058196 ens ENSMUST00000021816 gb AK003860
Gas2l1	A_51_P490997	gb M89786
Ly6g6e	A_51_P491635	reflNM_027366 ens ENSMUST00000013910 gb AK009303 riken 2310011102
Gpr123	A_51_P493213	reflNM_177469 gb BC056493 gb AB096262 gb AK034188
Kazald1	A_51_P493522	reflNM_178929 ens ENSMUST00000026234 ens ENSMUST00000111948 gb AK030678
Ftl2	A_51_P493543	gb S89400 gb J04716 nap NAP057351-1 tc NP381186
Cbx1	A_51_P495012	reflNM_007622 ens ENSMUST00000079702 ens ENSMUST000000093943 gb X56690
Tcp11l2	A_51_P497317	reflNM_146008 ens ENSMUST00000020223 gb AK146035 gb AK08802
Cnpy3	A_51_P498403	reflNM_028065 ens ENSMUST00000059844 gb AF361644 gb AK082749
Cacna2d1	A_51_P498720	reflNM_009784 reflNM_001110843 reflNM_001110844 reflNM_001110845
Ppap2b	A_51_P503433	reflNM_080555 ens ENSMUST00000064139 gb AK011276 gb BC005558
Zfp414	A_51_P503542	reflNM_026712 ens ENSMUST00000073570 gb AK002706 gb AK169869
Elavl4	A_51_P503722	reflNM_001038698 reflNM_010488 reflNM_001163399 reflNM_001163397
Elavl4	A_51_P503729	reflNM_001038698 reflNM_001163397 reflNM_001163399 reflNM_010488
Lair1	A_51_P503797	reflNM_178611 reflNM_001113474 ens ENSMUST000000086401 ens ENSMUST00000108600
Lhfp	A_51_P505868	reflNM_175386 ens ENSMUST00000059562 gb AK034532 gb AK171791
	A_51_P505974	gb AK038328 riken A130096B12 tc TC1623427
Mrpl55	A_51_P506250	reflNM_026035 ens ENSMUST00000108784 ens ENSMUST00000116374 ens ENSMUST00000108787
Kcnc2	A_51_P507333	reflNM_001025581 ens ENSMUST00000092175 gb AK042937 gb AW047325
Hmgcr	A_51_P507410	reflNM_008255 ens ENSMUST00000022176 gb M62766 gb AK079302
	A_51_P507533	ens ENSMUST00000110899 ens ENSMUST00000027947 gb AK077039 riken 4932427P06
Camk2d	A_51_P510817	reflNM_001025439 reflNM_023813 reflNM_001025438 ens ENSMUST000000066452
	A_51_P510914	ens ENSMUST00000109055 ens ENSMUST00000109011 gb AK013921 gb U62393
	A_51_P510916	ens ENSMUST00000109011 ens ENSMUST00000108980 ens ENSMUST00000119149 ens ENSMUST00000120959
Itf57	A_51_P511480	reflNM_028680 ens ENSMUST00000046777 gb AF274590 gb AK014731
Mtag2	A_51_P511608	reflNR_027802 ens ENSMUST00000058665 gb AK042966 gb U88401
Alad	A_51_P512072	reflNM_008525 ens ENSMUST00000107444 ens ENSMUST00000030090 gb AK168132
Dera	A_51_P512820	reflNM_172733 ens ENSMUST00000087675 gb BC016218 gb AK083298
Rac1	A_51_P513254	reflNM_009007 gb AK193118 gb AK076023 gb AK081613
2210012G02Rik	A_51_P513586	reflNM_025617 ens ENSMUST00000057043 gb AK011991 gb AK008715
Prdm16	A_51_P514139	reflNM_027504 ens ENSMUST00000105638 ens ENSMUST00000030902 ens ENSMUST00000105637
Slc2a5	A_51_P514405	reflNM_019741 ens ENSMUST00000030826 gb BC023500 gb AF161071
Dpm3	A_51_P518558	reflNM_026767 ens ENSMUST000000107462 ens ENSMUST000000040824 gb AK003223
Ntm	A_52_P102207	gb AK018085 gb BY718203 gb CD363788 riken 6230410L23
	A_52_P102846	gb U07661 gb U07660 gb AK083362 gb AK087950
	A_52_P1035662	gb AK032159 riken 6430404D24
Slc25a4	A_52_P105040	reflNM_007450 ens ENSMUST00000034049 gb AK189661 gb AK177376
Gm13253	A_52_P106399	reflXM_973351 reflXM_984660 reflXM_001472566 reflXM_001477346
Nudt6	A_52_P1067757	gb AK031663 riken 6030474N20 nap NAP124421-1
BC030336	A_52_P108089	reflNM_001164580 ens ENSMUST00000060175 gb BC030336 gb AK052350
	A_52_P1117630	gb AK169873 riken F630002D19
	A_52_P1133481	gb BF149456 tc TC1779913
Kif1c	A_52_P113465	reflNM_153103 ens ENSMUST00000072187 ens ENSMUST00000102554 gb AK173007
Rbl2	A_52_P117325	reflNM_011250 ens ENSMUST00000034091 gb AK160027 gb Z68184
Elavl1	A_52_P118640	reflNM_010485 ens ENSMUST00000098950 ens ENSMUST00000116496 gb AK034536
Ate1	A_52_P119290	reflNM_001029895 gb DQ093639 gb AF079096 nap NAP032010-1
Inpp1	A_52_P119510	reflNM_008384 ens ENSMUST00000027271 gb AK078382 gb U27295
Tcf25	A_52_P123485	reflNM_025804 reflNM_001037877 ens ENSMUST00000108840 gb AK050274
Rnf41	A_52_P123738	reflNM_001164237 ens ENSMUST00000096386 gb AK031657 gb AF305730
1810012P15Rik	A_52_P134146	reflNM_001076681 ens ENSMUST00000100748 gb AK007467 gb AK009070
Prkaa2	A_52_P137378	reflNM_178143 ens ENSMUST00000030243 gb AK044030 gb AK020297
	A_52_P137442	reflXM_001477177 gb BC080297 gb AK047289 gb AK036941
Gm10653	A_52_P138036	reflNR_003965 reflXM_001477193 reflXM_620258 reflXM_916251
Hnmpf	A_52_P141161	reflNM_133834 reflNM_001166430 reflNM_001166431 reflNM_001166427
Zyg11b	A_52_P14526	reflNM_001033634 gb AK034007 riken 9330140A08 nap NAP011487-001
Zbtb80s	A_52_P147576	reflNM_025970 reflXM_001001111 reflXM_904981 ens ENSMUST00000048467
Al428936	A_52_P147803	reflNM_153577 ens ENSMUST00000054594 gb AK002612 gb BC023803
	A_52_P14938	gb BB000796 nap NAP056235-1 tc TC1707722
Mapkapk2	A_52_P15008	reflNM_008551 ens ENSMUST00000016672 gb AK171912 gb BC024559
H2-Q8	A_52_P152133	reflNM_023124 reflXM_001471706 gb AK013097 riken 2810417A05
Cacna2d1	A_52_P160543	reflNM_009784 reflNM_001110843 reflNM_001110844 reflNM_001110845
Klc1	A_52_P161361	reflNM_008450 reflNM_001081959 reflNM_001025360 reflXM_001479011
5430405H02Rik	A_52_P16346	gb AK012005 riken 2610307N17 nap NAP092133-1 tc TC1600253
Sv2a	A_52_P165406	reflNM_022030 ens ENSMUST00000035371 gb AK080502 gb AK028318

Supplementary Table 2
(Continued)

Srr	A_52_P16571	ref NM_013761 ref NM_001163311 ens ENSMUST00000108447 ens ENSMUST00000121738
Tmem8	A_52_P167382	ref NM_021793 ens ENSMUST00000025010 gb AK079893 gb AB045293
Mfsd4	A_52_P168524	ref NM_172510 ens ENSMUST00000112370 gb BC058790 gb FN434126
Dnmt3a	A_52_P169048	ref NM_007872 ens ENSMUST00000020991 ens ENSMUST00000085826 gb AK013096
D930017J03Rik	A_52_P16973	gb AK081934 riken C130088B05
	A_52_P17306	nap NAP028543-1
Wscd2	A_52_P173442	ref NM_177292 ens ENSMUST00000094452 gb AK030181 gb BC096526
	A_52_P173453	ens ENSMUST00000112728 gb CA574606 gb CD352833 nap NAP106696-1
	A_52_P17446	nap NAP037448-1 tc TC1662444
Epb4.1	A_52_P174525	ref NM_183428 ref NM_001128606 ref NM_001128607 ens ENSMUST00000097859
Zmym5	A_52_P179211	gb BC058644 tc TC1588427
	A_52_P180972	nap NAP029125-1 nap NAP062325-1
Mrps2	A_52_P181128	gb BC033460 gb AK172120 riken F830038M03 nap NAP041749-1
Dpp10	A_52_P181408	ref NM_199021 ens ENSMUST00000035420 ens ENSMUST00000112606 ens ENSMUST00000112603
Camk2a	A_52_P189707	ref NM_177407 ref NM_009792 ens ENSMUST00000102888 ens ENSMUST00000115295
Ubxn2b	A_52_P19006	gb AK018273 riken 6430407D20 tc TC1591079
Fam92a	A_52_P190807	gb AK032690 riken 6530443I23 nap NAP075171-1 tc TC1603919
Ccdc88a	A_52_P191364	ref NM_176841 ens ENSMUST00000040182 ens ENSMUST00000072471 ens ENSMUST00000101427
Dctn4	A_52_P193104	gb AK162552 gb AK003238 gb AK089264 riken 1110001K06
Arap3	A_52_P195018	ref NM_139206 ens ENSMUST00000042944 gb AK220486 gb BC026945
4930555G01Rik	A_52_P195235	ref NM_175393 ref XM_001475922 ref XM_001477839 ref XM_891048
Sh3gl2	A_52_P196161	ref NM_019535 ens ENSMUST00000030212 gb AK044370 gb U58886
Rasgrp3	A_52_P198435	ref NM_207246 ref NM_001166493 ens ENSMUST00000095204 gb AK173041
Clvs1	A_52_P199147	gb AK083985 gb AK047462 riken D130072G21 riken B930067F16
Sv2a	A_52_P202142	ref NM_022030 ens ENSMUST00000035371 gb AK080502 gb AK144166
St3gal3	A_52_P203741	ref NM_009176 ref NM_001161774 ens ENSMUST00000097912 ens ENSMUST00000106410
Cd320	A_52_P204744	ref NM_019421 ens ENSMUST00000002379 ens ENSMUST00000087559 gb AK021187
Gnb1	A_52_P205991	ref NM_008142 ref NM_001160016 ref NM_001160017 ens ENSMUST00000030940
Pop4	A_52_P206492	ref NM_025390 ens ENSMUST00000032585 gb AK003908 gb AK150459
Tomm7	A_52_P206547	ref NM_025394 ens ENSMUST00000030851 gb AK008581 gb AK003864
A030001D20Rik	A_52_P209578	gb AK003910 gb AK037147 riken 1110025D03 riken A030001D20
2410066E13Rik	A_52_P211197	ref NM_026629 gb AK043452 riken A730096J24 nap NAP006130-001
Hook1	A_52_P212597	gb AK051789 gb BC034647 gb BC030877 gb AK136470
Setd5	A_52_P21615	ref NM_028385 ens ENSMUST00000113157 ens ENSMUST00000042889 ens ENSMUST00000113155
Aph1a	A_52_P217195	ref NM_146104 ref NM_146134 ref XM_001473374 ref XM_001480172
Clec5a	A_52_P218058	ref NM_001038604 ref NM_021364 ens ENSMUST00000031975 ens ENSMUST00000101491
	A_52_P218883	nap NAP101638-1
Gpr34	A_52_P220275	ref NM_011823 ens ENSMUST00000041708 ens ENSMUST00000096492 gb DQ103765
Map3k6	A_52_P222775	ref NM_016693 ens ENSMUST00000030677 gb BC125577 gb BC120565
Podhb12	A_52_P224485	ref NM_053137 ens ENSMUST00000055495 gb AY013773 gb BC127609
Cwf19l1	A_52_P228107	ref NM_001081077 ens ENSMUST00000026218 gb BC037640 gb AK012163
	A_52_P229167	nap NAP026466-1 nap NAP061204-1
Limch1	A_52_P229278	ref NM_001001980 ens ENSMUST00000119854 ens ENSMUST00000118242 ens ENSMUST00000117601
Galnt4	A_52_P229316	ref NM_015737 nap NAP033850-1
Ly6c1	A_52_P230938	ref NM_010741 ref NM_001099217 ref XM_001475001 ens ENSMUST00000065408
Nanos1	A_52_P231232	ref NM_178421 ens ENSMUST00000088237 gb AK042989 gb BC056473
Slc8a1	A_52_P231461	ref NM_011406 ref NM_001112798 ens ENSMUST00000086538 gb AK039503
	A_52_P232346	nap NAP103909-1 tc TC1708996
Cbln2	A_52_P233703	ref NM_172633 ens ENSMUST00000122464 ens ENSMUST00000068423 ens ENSMUST00000122079
Kcnk12	A_52_P238184	ref NM_199251 ens ENSMUST00000055221 gb BC138133 gb BC138134
Usp46	A_52_P241819	ref NM_177561 ens ENSMUST00000068058 gb AK029604 gb BC030888
Fuz	A_52_P24206	gb BC045601 gb AK011195 riken 2600013E07 nap NAP014553-001
Abhd2	A_52_P24280	ref NM_018811 ens ENSMUST00000037315 gb AF201730 gb AK016296
Nufip2	A_52_P243054	ref NM_001024205 ens ENSMUST00000036677 ens ENSMUST00000100802 gb BC141543
	A_52_P247388	gb AK049441 riken C430011O11
Hook3	A_52_P247513	ref NM_207659 ens ENSMUST00000037182 gb AK054263 gb AK145149
Tcp11l2	A_52_P25193	ref NM_146008 ens ENSMUST00000020223 gb AK146035 gb AK088802
Uevld	A_52_P253120	ref NM_001040695 ens ENSMUST00000094398 gb AK080186 gb AK155685
Stk19	A_52_P254607	ref NM_019442 ens ENSMUST00000077477 gb AK146739 gb AK168865
Grm8	A_52_P25774	ref NM_008174 ens ENSMUST00000090512 ens ENSMUST00000115323 ens ENSMUST00000115324
9830001H06Rik	A_52_P257919	ref NM_001164663 ens ENSMUST00000069098 gb AK031493 gb AK147227
Cacna1c	A_52_P25903	ref NM_001159533 ref NM_001159534 ref NM_001159535 ref NM_009781
Mia3	A_52_P259658	ref NM_177389 ens ENSMUST00000069922 gb AK044749 riken A930039G15
Ryr3	A_52_P261858	ref NM_177652 ens ENSMUST00000091818 ens ENSMUST00000080673 ens ENSMUST00000099579
Atcay	A_52_P262201	ref NM_178662 ens ENSMUST00000047408 gb AK038990 gb BC048903
Rnase4	A_52_P262511	ref NM_021472 ref NM_201239 ens ENSMUST00000022428 gb BC005569
	A_52_P262676	ens ENSMUST00000108967 ens ENSMUST00000108969 ens ENSMUST00000108970 nap NAP061407-1
Gabra3	A_52_P264550	ref NM_008067 ens ENSMUST00000055966 ens ENSMUST00000114554 gb AK039144
Fyco1	A_52_P265666	gb AK013060 riken 2810409M01 nap NAP016963-001 tc TC1585441
Nus1	A_52_P266909	ref NM_030250 gb AK160870 gb BF123006 riken 3632443D19
Rmrp	A_52_P2670	ref NR_001460 gb DM176433
Amtd	A_52_P267651	ref NM_007489 ens ENSMUST00000084703 ens ENSMUST00000047321 ens ENSMUST00000106637
Basp1	A_52_P26794	ref NM_027395 ref XM_001474796 ens ENSMUST00000058845 gb BC134388
Eif2c4	A_52_P27117	ref NM_153177 gb AK017827 riken 5730550L01 nap NAP094735-001
	A_52_P272534	nap NAP029999-1 nap NAP000369-004 nap NAP092230-001
Rbm39	A_52_P275324	gb AK050568 riken C820020J16 nap NAP103928-1 tc TC1631661

Supplementary Table 2
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Daglb	A_52_P277394	gb AK081509 riken C130025A20 nap NAP121638-001 tc TC1623592
Pabpc4	A_52_P278085	ref NM_148917 ref NM_130881 ens ENSMUST00000081204 ens ENSMUST00000080178
	A_52_P278837	nap NAP070880-1 nap NAP059563-1
Glg1	A_52_P279759	gb AK050772 riken D030018I01
	A_52_P280821	nap NAP123201-1
Kdm4a	A_52_P281209	ref NM_001161823 ens ENSMUST00000106406 ens ENSMUST00000106403 ens ENSMUST00000097911
Igfbp5	A_52_P281702	ref NM_010518 ens ENSMUST00000027377 gb AK011683 gb BC003951
H2afj	A_52_P286488	ref NM_177688 gb AK053755 gb AW490391 riken E130307C13
Hpca	A_52_P287246	ref NM_010471 ref NM_001130419 ens ENSMUST00000030572 ens ENSMUST00000116444
Gm10237	A_52_P288669	ref XM_001478090 ref XM_001479761 ref XM_001473866 ref XM_001480142
Hnrpd1	A_52_P292693	ref NM_016690 ens ENSMUST00000086900 ens ENSMUST00000031271 gb AK011581
Cacnb2	A_52_P295676	gb AK143332 gb AK046048 riken B230337K17 riken E330008B16
Lnx1	A_52_P297062	ref NM_010727 ref NM_001159577 ref NM_001159579 ref NM_001159580
Bicd2	A_52_P297398	ref NM_001039179 ref NM_029791 ref NM_001039180 ens ENSMUST00000048544
Nudt4	A_52_P305246	ref NM_027722 ref XM_001480147 ens ENSMUST00000020217 gb AK048062
Slc35a5	A_52_P307749	ref NM_028756 ens ENSMUST00000023344 gb AK033921 gb BF462529
Mef2a	A_52_P311841	ref NM_001033713 ens ENSMUST00000076325 ens ENSMUST00000072460 ens ENSMUST00000032776
Nxph1	A_52_P312204	ref NM_008751 ens ENSMUST00000060369 gb AK083014 gb BC145953
	A_52_P315030	nap NAP030387-1
Bet1	A_52_P316644	ref NM_009748 ens ENSMUST00000049166 gb AK078796 gb BC005572
1110038B12Rik	A_52_P31814	ref NR_027943 ref NR_015536 gb AK002372 gb AK004150
Stmn1	A_52_P319161	ref NM_019641 ref NR_029430 ref XM_001474074 ref XM_001477421
Fus	A_52_P320032	ref NM_139149 ens ENSMUST00000106251 ens ENSMUST00000077609 gb AK146198
Tcp1112	A_52_P323331	ref NM_146008 ens ENSMUST00000020223 gb AK146035 gb AK088802
	A_52_P323975	ens ENSMUST00000095222 gb AK084031 riken D130077P12 nap NAP085719-1
Hcfc2	A_52_P32683	gb AK040565 riken A430106M23 nap NAP002335-001 tc TC1597970
Ndfip1	A_52_P327095	ref NM_022996 ref XM_001475723 ens ENSMUST00000025293 gb BC026372
Ryr3	A_52_P328350	ref NM_177652 ens ENSMUST00000091818 ens ENSMUST00000080673 ens ENSMUST00000099579
Wdfy1	A_52_P328825	ref NM_001111279 ens ENSMUST00000097685 ens ENSMUST00000113512 ens ENSMUST00000113513
Gm8225	A_52_P330997	ref XM_985281 ref XM_994358 ref XM_001472285 ref XM_001474850
	A_52_P33147	ens ENSMUST00000111749 ens ENSMUST00000111748 gb AK086149 gb AK042703
Mark3	A_52_P331644	ref NM_022801 ens ENSMUST00000075281 gb AK002654 gb BC026445
Gabra2	A_52_P336171	gb AK079593 gb AK036049 gb BB339336 riken A330042O22
	A_52_P336513	nap NAP068580-1 nap NAP029859-1
Pclo	A_52_P336904	ref NM_011995 ens ENSMUST00000116626 gb AB083477 gb Y19185
	A_52_P337910	ens ENSMUST00000084404 ens ENSMUST00000107066 ens ENSMUST00000107067 ens ENSMUST00000107068
Obfc1	A_52_P340692	ref NM_175360 ens ENSMUST00000049369 ens ENSMUST00000086929 gb AK146929
2410001C21Rik	A_52_P346062	ref NM_025542 ens ENSMUST00000029005 gb AK219307 gb AK009901
Gm14288	A_52_P347803	ref NM_001033123 ens ENSMUST00000109051 ens ENSMUST00000109020 ens ENSMUST00000108926
Gria4	A_52_P349182	ref NM_019691 ref NM_001113181 ref NM_001113180 ref XM_001471700
Eno1	A_52_P349939	ref NM_023119 ref NM_001025388 ref XM_001479056 ref XM_001477270
Gm9558	A_52_P351686	gb AK006604 riken 1700034M11 nap NAP023303-001 tc TC1639864
Btg2	A_52_P35217	ref NM_007570 ens ENSMUST00000020692 gb AK169436 gb AK088976
Clec4a2	A_52_P353698	ref NM_011999 ref NM_001170333 ref NM_001170332 ref NM_027218
Ppp4r2	A_52_P358388	ref NM_182939 ens ENSMUST00000063854 gb BC056340 gb BC038014
Mtap1b	A_52_P360330	ref NM_008634 gb AK141735 gb AK051573 gb BC045135
Psm2	A_52_P363920	ref NM_134101 ref NR_027485 ens ENSMUST00000007212 gb AK169867
Gabra3	A_52_P364645	ref NM_008067 ens ENSMUST00000055966 ens ENSMUST00000114554 gb M86568
Zbtb22	A_52_P365005	ref NM_020625 ens ENSMUST00000053429 gb AK202169 gb AK157161
	A_52_P367384	nap NAP029336-1 nap NAP113028-1
Prkar2a	A_52_P367583	ref NM_008924 ens ENSMUST00000035220 gb AK011390 gb AK075741
Arid5b	A_52_P367621	ref NM_023598 ref XM_001473421 ens ENSMUST00000020106 gb AK017396
Mri1	A_52_P367791	ref NM_026423 ens ENSMUST00000005122 gb AK007709 gb AK164894
	A_52_P368262	ens ENSMUST00000106282 gb AK049064 riken C230096E12
Fam65b	A_52_P370534	ref NM_029679 ens ENSMUST00000110384 riken ENSMUST00000058009 ens ENSMUST00000110383
	A_52_P370731	gb AK039242 riken A330005F24 nap NAP018416-001
	A_52_P374134	nap NAP030936-1
Kdm5a	A_52_P374669	ref NM_145997 ens ENSMUST00000100996 ens ENSMUST00000005108 gb AK134200
Hspa13	A_52_P376804	ref NM_030201 ref NR_027492 ens ENSMUST00000114244 ens ENSMUST00000046283
Ap1s3	A_52_P377576	ens ENSMUST00000067229 gb BC054111 gb BE371703 tc TC1582600
Pcdha9	A_52_P378167	ref NM_138661 ref XM_908918 ens ENSMUST00000115659 gb AB008183
Rgs2	A_52_P378968	ref NM_009061 gb AK031603 gb AK029310 riken 6030458L23
Srbd1	A_52_P380460	ref NM_030133 ref XM_001479682 ref XM_001480810 ens ENSMUST00000043323
Tia1	A_52_P381009	gb AK009502 gb AK009914 riken 2310026D05 riken 2310050N03
	A_52_P381784	ens ENSMUST00000114399 gb AK081480 gb AK031931 riken C130020C13
Nat5	A_52_P38317	gb AK046153 riken B230345H17 tc TC1767749 tc TC1629707
Rai14	A_52_P385229	ref NM_030690 ref NM_001166408 ens ENSMUST00000090339 gb AK141233
Gm2974	A_52_P386075	ens ENSMUST00000096159 ens ENSMUST00000090647 gb AK084071 gb AK080783
Lyrn7	A_52_P387189	gb AK079070 gb BB077939 riken 9330147L21 nap NAP117265-1
Sox2ot	A_52_P389324	ref NR_015580 gb AK045614 gb AK031826 gb BC057611
	A_52_P390134	ens ENSMUST00000108945 ens ENSMUST00000108944 ens ENSMUST00000109070 ens ENSMUST00000109068
Kbtbd11	A_52_P394448	ref NM_029116 ref XM_001474596 ref XM_001474229 ens ENSMUST00000058886
Pcdh15	A_52_P395088	ref NM_001142746 ref NM_001142760 ens ENSMUST00000105430 gb AK034124
Aars	A_52_P395397	ref NM_146217 ens ENSMUST00000034441 gb AK196199 gb AK214611
Ddx3x	A_52_P395575	ref NM_010028 ens ENSMUST0000000804 gb L25126 gb AK163250
2700094K13Rik	A_52_P396774	ref NM_001037279 ref NM_001033166 ens ENSMUST00000117299 ens ENSMUST00000102646

Supplementary Table 2
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Anxa7	A_52_P397385	gb AK032013 riken 6330545A10 nap NAP003676-002 tc TC1585634
Golga7	A_52_P398018	gb AK089856 gb BC064083 riken F830033L24 nap NAP072825-1
Slc35f4	A_52_P400103	ref NM_029238 ens ENSMUST00000022400 ens ENSMUST00000074368 gb AK046093
Txn14a	A_52_P407145	ref NM_025299 gb AK004039 gb AK148287 gb AK166497
Wdfy3	A_52_P409778	ref NM_172882 ens ENSMUST00000053177 ens ENSMUST00000043529 gb AY336569
Arl1	A_52_P413289	ref NM_025859 ens ENSMUST00000095348 gb AK209287 gb AK210540
Vps36	A_52_P421417	gb AK156241 gb AK013045 riken 2810408E15 riken F830013F21
Hectd1	A_52_P421728	ref NM_144788 ens ENSMUST00000042052 gb AK179337 gb AK218032
Lrrtm4	A_52_P424206	gb AK032470 gb BC037216 riken 6430558H08 nap NAP116396-1
Jmy	A_52_P42459	ref NM_021310 ens ENSMUST00000065537 gb BC020052 gb AK141957
	A_52_P424655	gb AK039674 riken A330083P18
Slc15a2	A_52_P426605	gb AK018393 gb BC051199 gb BC018335 riken 8430408C16
Ccdc72	A_52_P431199	ref NM_183250 ref XM_921720 ref XM_902784 gb AK169860
	A_52_P433450	nap NAP097631-001 nap NAP097743-001 nap NAP111698-1 nap NAP111801-1
Sbno1	A_52_P435995	ref NM_001081203 ens ENSMUST00000065263 ens ENSMUST00000100711 gb AB188811
Psph	A_52_P436094	ref NM_133900 ens ENSMUST00000031399 ens ENSMUST00000120496 ens ENSMUST00000118268
	A_52_P439001	nap NAP105953-1 tc TC1648248
	A_52_P440729	ens ENSMUST00000066889 gb AK035245 gb AK011885 gb AK050961
Magi1	A_52_P44205	ref NM_001029850 ref NM_001083321 ref NM_001083320 ref NM_010367
Brd1	A_52_P445608	ref NM_001033274 ref XM_001476501 ref XM_001476519 ens ENSMUST00000023022
	A_52_P445799	ens ENSMUST00000112633 ens ENSMUST00000112632 ens ENSMUST00000067101 gb BC068167
	A_52_P446011	ref NM_029250 ens ENSMUST00000032413 gb AK044502 gb AK049827
Etnk1	A_52_P449768	ref NM_025939 ens ENSMUST00000117536 ens ENSMUST00000031160 ens ENSMUST00000056317
Paics	A_52_P451041	ref NM_133795 ens ENSMUST00000048578 ens ENSMUST00000109278 gb AK019021
Ttc1	A_52_P456410	gb AK019912 gb AK151508 riken I830031B22 riken 5330426P16
5330426P16Rik	A_52_P456410	ref NM_177583 ens ENSMUST00000034934 gb AK028521 gb AK154847
Aph1b	A_52_P456750	ref NM_009879 ens ENSMUST00000031426 gb AF354757 gb Y10495
Ifit81	A_52_P459276	gb AK047681 riken C030010G13
Pcdh9	A_52_P461777	ref NM_177193 ref NM_001161536 ref NM_001161537 ref NM_001161535
Islr1	A_52_P461922	ref NM_010132 ens ENSMUST00000062216 nap NAP049597-1 tc TC1648090
Emx2	A_52_P462837	ref NM_001163098 ens ENSMUST00000064257 gb AK132147 riken 3221403E08
Tchh	A_52_P468068	ref NM_011414 ens ENSMUST00000109367 gb AK010170 gb BC028509
Slpi	A_52_P472324	nap NAP012030-001 tc TC1765066
	A_52_P473172	ref NM_177678 ens ENSMUST00000114205 ens ENSMUST00000114204 ens ENSMUST00000114210
Abliim2	A_52_P475423	ref NM_152229 ens ENSMUST00000019938 ens ENSMUST00000105498 gb AK132201
Nr2e1	A_52_P47566	ref NM_019770 ref XM_001478013 ens ENSMUST00000076160 ens ENSMUST00000060226
Tmed2	A_52_P475825	ref NM_173413 ens ENSMUST00000041139 gb BC157974 gb AK031251
Rab8b	A_52_P477286	gb AF143181 gb AF143182 gb AF143183 gb AF143184
Fcgr1	A_52_P47846	ref NM_001033460 ens ENSMUST00000101448 gb AK140154 riken B230316E01
Gm1060	A_52_P481279	ref NM_009010 ens ENSMUST00000003911 ens ENSMUST00000109761 gb BC003846
Rad23a	A_52_P48206	gb AK076230 gb AK170599 gb CB588885 riken 4222403J09
Tra2a	A_52_P482063	ref NM_026259 ref NM_001164237 ens ENSMUST00000096386 gb AK020527
Rnf41	A_52_P48398	nap NAP062972-1 nap NAP027428-1
	A_52_P489385	ref NM_172861 ens ENSMUST00000091259 gb BC061928 gb AK173217
Slc7a14	A_52_P493030	ref NM_010716 ens ENSMUST00000021039 ens ENSMUST00000092849 gb AK188257
Lig3	A_52_P4937	ref NM_177561 ens ENSMUST00000068058 gb BC039916 gb BC030888
Usp46	A_52_P494126	ref NM_011875 ens ENSMUST00000026560 gb AK206994 gb AF107838
Psmd13	A_52_P50512	ref NM_023879 ref NM_001168515 ens ENSMUST00000111603 ens ENSMUST00000111600
Rpgrip1	A_52_P507488	ref XM_145024 ref XM_917764 ref XM_916654 ref XM_001480887
Gm4968	A_52_P508103	gb AK046232 riken B230358H22 nap NAP083261-1 tc TC1623493
	A_52_P510310	ref NM_028756 ens ENSMUST00000023344 gb AK085567 gb AK030566
Slc35a5	A_52_P51198	ref NM_009829 gb BC049086 gb AK147345 gb BB680674
Ccnd2	A_52_P514391	gb AK045877 gb AK021084 gb BY728167 riken B230316H04
Atp6v0a1	A_52_P515336	ens ENSMUST00000108425 gb AK052795 gb BB506376 riken D730007L14
	A_52_P515840	nap NAP045027-1
	A_52_P516481	ens ENSMUST00000108923 ens ENSMUST00000108975 ens ENSMUST00000109011 ens ENSMUST00000109036
	A_52_P520429	nap NAP027343-1 nap NAP097908-001
	A_52_P521607	ref NM_001003815 ref NM_013510 ref NM_001006664 ens ENSMUST00000103137
Epb4.111	A_52_P524426	gb AK129379
Sdk2	A_52_P527977	ref NM_178365 ens ENSMUST00000114873 ens ENSMUST00000097360 ens ENSMUST00000114872
Paccsin1	A_52_P531693	nap NAP030571-1
	A_52_P533731	ref NM_025471 ens ENSMUST00000108133 ens ENSMUST00000108131 ens ENSMUST00000108132
1810030N24Rik	A_52_P534833	ref NM_001038999 ref NM_009727 ens ENSMUST00000037380 ens ENSMUST00000113656
Atp8a1	A_52_P534844	ref NM_145600 ens ENSMUST00000086864 ens ENSMUST00000034147 gb AK086617
Zfp330	A_52_P537466	nap NAP018080-001
	A_52_P540302	ref NM_172600 ens ENSMUST00000111735 ens ENSMUST00000037990 gb BC046454
6720456H20Rik	A_52_P54325	ref NM_001025581 ens ENSMUST0000002175 gb AK042937 gb AW047325
Kcnc2	A_52_P545132	ref NM_001162970 ens ENSMUST00000040805 ens ENSMUST00000121391 gb AK145690
Aim11	A_52_P559066	ref NM_134054 ens ENSMUST00000056228 gb AK018380 gb AK003754
1110002B05Rik	A_52_P561936	gb AK034417 gb FJ744746 gb FJ860514 gb FJ860513
9330188P03Rik	A_52_P562040	ref NM_019748 ens ENSMUST00000108501 ens ENSMUST00000094815 gb AK154139
Sae1	A_52_P5652	nap NAP071006-1 nap NAP060807-1
	A_52_P568520	ref NM_144549 gb AK162878 gb AK028626 riken A230076P20
Tri1	A_52_P573552	ref XM_001003884 ref XM_982491 nap NAP097103-001
Gm9387	A_52_P575668	gb BC006681 nap NAP023914-001 tc TC1781311 tc TC1648693
Polb	A_52_P577910	ref NM_009917 ens ENSMUST00000114422 gb AK170303 gb D83648
Ccr5	A_52_P578732	

Supplementary Table 2
(Continued)

Fam55c	A_52_P579411	ref NM_001134494 ens ENSMUST00000099705 gb BC150961 gb BC150969
Rapgef6	A_52_P580284	gb AK040089 riken A430057M20 tc TC1606910
Pop1	A_52_P584078	ref NM_152894 ref NM_026340 ens ENSMUST00000052290 ens ENSMUST00000079028
Neu1	A_52_P58524	ref NM_010893 ens ENSMUST0000007253 gb BC004666 gb AK145680
2210015D19Rik	A_52_P588917	gb BC052911 gb BC094935 nap NAP037945-1 tc TC1599819
Gm6436	A_52_P589148	ref XM_001001941 ref XM_887972 ref XM_904186 nap NAP096448-001
Nr2c1	A_52_P589550	ref NM_011629 ens ENSMUST00000099343 ens ENSMUST00000092213 ens ENSMUST00000105290
Vars2	A_52_P590235	ref NM_175137 gb BC057036 gb AK173288 gb AK159301
	A_52_P594107	nap NAP024224-001
Ppargc1a	A_52_P5945	ref NM_008904 ref NR_027710 gb AK032149 gb AK043827
Mrlp47	A_52_P595537	gb BC029173 tc TC1638364
Hnmpc	A_52_P596080	ref NM_016884 ref NM_001170981 ref NM_001170983 ref NM_001170984
	A_52_P596357	gb AK054546 riken E330039N10 tc TC1613381
Bola2	A_52_P59817	ref NM_175103 ens ENSMUST00000052145 ens ENSMUST00000106369 gb AK002662
	A_52_P598197	nap NAP123415-1
1190007I07Rik	A_52_P598634	ref NM_001135567 ref NM_001135568 ref NM_001135569 ens ENSMUST00000079648
Src	A_52_P600547	ref NM_009271 ref NM_001025395 ens ENSMUST00000109533 ens ENSMUST00000092576
Atp6v0c	A_52_P601240	ref NM_009729 ref XM_001473491 ref XM_001477116 ens ENSMUST00000098862
Aig1	A_52_P603668	ref NM_025446 ens ENSMUST00000105534 ens ENSMUST00000019942 gb AK005332
Car9	A_52_P610923	ref NM_139305 ens ENSMUST00000030183 ens ENSMUST00000107917 gb AK166403
Slc47a1	A_52_P611787	ref NM_026183 ens ENSMUST00000093028 ens ENSMUST00000010267 gb AK009038
	A_52_P618417	nap NAP037326-1
Gramd3	A_52_P619738	ref NM_026240 ens ENSMUST00000070166 gb AK004147 gb BB073624
	A_52_P622197	nap NAP029477-1 nap NAP058810-1
Ggt7	A_52_P628580	ref NM_144786 ens ENSMUST00000029131 gb AK032051 gb AK131175
Hisppd2a	A_52_P629821	ref NM_178795 ens ENSMUST00000110625 ens ENSMUST00000110626 ens ENSMUST00000110624
Zfp811	A_52_P632601	ref NM_183177 ens ENSMUST00000080905 gb BC052046 nap NAP060328-1
Podhac2	A_52_P632669	ref NM_001003672 ref NM_138661 ref NM_007766 ref NM_001003671
Kdm4a	A_52_P633988	ref NM_172382 ens ENSMUST00000050288 gb AK054095 gb BC028866
Osr1	A_52_P63728	ref NM_011859 ens ENSMUST00000057021 gb AF117814 gb BC023922
Kcnk3	A_52_P639402	ref NM_010608 ens ENSMUST00000066295 gb AK084790 gb AK032542
Stam	A_52_P640204	ref NM_011484 ens ENSMUST00000028050 ens ENSMUST00000102960 ens ENSMUST00000114738
Camta1	A_52_P642005	ref NM_001081557 ref NM_001166021 ens ENSMUST00000105668 ens ENSMUST00000105670
Aph1c	A_52_P643172	ref NM_026674 gb BC050923 gb BC063254
Strap	A_52_P650379	ref NM_011499 ens ENSMUST00000064910 gb AK147179 gb AK154158
Hist1h2ai	A_52_P651235	ref NM_178182 ref NM_175659 ref NM_178184 ref NM_178185
Taf4a	A_52_P653543	ref NM_001081092 ref XM_001477097 ens ENSMUST00000041618 gb BC026493
Rpl21	A_52_P653937	ref NM_019647 gb AK018480 riken 8430440E03 nap NAP093633-001
3110062M04Rik	A_52_P654565	ref NM_199145 ref NM_001135611 ens ENSMUST00000115006 ens ENSMUST00000115007
	A_52_P654604	ens ENSMUST00000099668 gb AK003195 gb AK136657 gb BC038682
Fut9	A_52_P655068	ref NM_010243 ens ENSMUST00000084770 gb AK047668 riken C030006L16
Ets2	A_52_P658122	ref NM_011809 ens ENSMUST00000023612 gb AK198126 gb AK038348
1200014J11Rik	A_52_P660064	ref NM_025818 ens ENSMUST00000021135 gb AK017496 gb AK032983
Napb	A_52_P660861	ref NM_019632 ens ENSMUST00000115997 gb AK083184 gb BC038362
Snhg3	A_52_P661071	ref NR_003270 gb AJ006837 gb AK076188 gb BC100513
Myo5b	A_52_P66130	ref NM_201600 ens ENSMUST00000074157 ens ENSMUST00000091844 ens ENSMUST00000114883
Psmf1	A_52_P66313	ref NM_212446 ens ENSMUST00000109869 ens ENSMUST00000042452 ens ENSMUST00000070977
P4ha2	A_52_P663413	ref NM_011031 ref NM_001136076 ens ENSMUST00000019050 ens ENSMUST00000093107
Abhd2	A_52_P664506	ref NM_018811 ens ENSMUST00000037315 gb AK153642 gb AK139526
Ifit57	A_52_P665520	ref NM_028680 ens ENSMUST00000046777 gb AK014731 gb AF274590
Cyhr1	A_52_P668393	gb AK028994 riken 4732479H09 nap NAP098427-001 tc TC1601014
Hps5	A_52_P669145	ref NM_001005247 ref NM_001005248 ref NM_001167864 ens ENSMUST00000107653
Cdc37i1	A_52_P676406	ref NM_025950 ens ENSMUST00000050148 gb AK018787 gb AK016651
Rps21	A_52_P678800	gb AK010610 riken 2410030A14 nap NAP019256-001 tc TC1596444
Atg4c	A_52_P683728	ref NM_175029 ref NM_001145967 ref XM_001471854 ens ENSMUST00000030279
4930539J05Rik	A_52_P684920	gb AK053308 gb AK050124 gb AK052426 riken C730018K14
Lmo7	A_52_P68755	ref NM_201529 gb AK129231 gb BC082553 nap NAP111631-1
Chd9	A_52_P70035	gb AK020244 gb AA874392 riken 9030205D12 nap NAP075816-1
Rps21	A_52_P740562	ref NM_025587 ens ENSMUST00000059080 gb BC023795 gb AK010610
	A_52_P755474	ens ENSMUST00000110766 gb AK045015 riken B130019G13 nap NAP083006-1
	A_52_P756465	gb BC036642 gb BU962495 tc TC1649155
Aftph	A_52_P75659	ref NM_181411 ens ENSMUST00000035350 ens ENSMUST00000094376 gb AK042681
Gm5978	A_52_P76196	ref XM_902301 ref XM_923508 ens ENSMUST00000071458 nap NAP000014-005
	A_52_P76629	gb AK148746 riken 7120442D10 nap NAP053276-1 tc TC1670231
1110032A03Rik	A_52_P78730	ref NM_023483 ens ENSMUST00000042468 ens ENSMUST00000042576 gb CT010205
	A_52_P796069	tc TC1681867
Thrap3	A_52_P79763	ref NM_146153 ens ENSMUST00000106142 ens ENSMUST00000080919 gb BC012655
2810001G20Rik	A_52_P81630	ref XM_001474349 ref XM_001476904 gb AK012631 gb AK007927
Gadd45gip1	A_52_P85020	ref NM_183358 gb AK028227 riken 2810429D03 tc TC1576749
Mrlp45	A_52_P85983	ref NM_025927 ens ENSMUST00000019026 gb AK011605 gb AK004222
	A_52_P875598	gb AK047419 riken B930059J09 nap NAP083699-1 tc TC1590414
Stx8	A_52_P876257	gb AK086903 riken E030010D18 nap NAP124973-1
	A_52_P883920	gb AK043458 riken A730097D08 nap NAP082551-1 tc TC1616648
Vps37a	A_52_P88808	ref NM_033560 ref XM_001473199 ens ENSMUST00000098817 gb AK016385
Rp2h	A_52_P8953	ref NM_133669 ens ENSMUST00000067979 ens ENSMUST00000115391 ens ENSMUST00000115392
	A_52_P923420	gb AK046981 riken B930009B17

Supplementary Table 2
(Continued)

	A_52_P931940	gb AK086440 riken D930028P13 nap NAP087392-1 tc TC1613907
	A_52_P932813	gb AK140658 riken B930073D03 riken D930019G21 tc TC1713239
Syt1	A_52_P94201	ref NM_009306 ens ENSMUST00000064054 ens ENSMUST00000105276 gb AK013798
Aph1a	A_52_P9716	ref NM_146104 ref NM_146134 ref XM_001473374 ref XM_001480172
D430019H16Rik	A_52_P97699	gb BC058677 gb AK081558 gb BC059046 gb BC078436
Depdc5	A_52_P979858	ref NM_001025426 ref NM_001170567 gb AK039001 riken A230083P18
	A_52_P981587	gb C80049 tc TC1673862 tc TC1710338
Hira	A_52_P98232	ref NM_010435 ens ENSMUST00000004222 gb BC156807 gb AK134646
	A_52_P987461	ens ENSMUST00000071067 gb AK049185 riken C330011M18 nap NAP076992-1

Supplementary Table 2
(Continued)

CTX 6m		
Symbol	Agilent probe	Accessions
2610002J23Rik	A_51_P100099	gb AK011292 riken 2610002J23 nap NAP018236-001 tc TC1611660
Cntn1	A_51_P101763	ref NM_007727 ref NM_001159647 ref NM_001159648 ens ENSMUST00000000109
Hapln1	A_51_P101787	ref NM_013500 ens ENSMUST00000022108 gb AF139572 gb AF098460
Mdp1	A_51_P102652	ref NM_023397 ref NR_028316 ens ENSMUST00000002400 gb AF230273
Cacna1s	A_51_P103541	ref NM_001081023 ref NM_014193 ens ENSMUST000000112068 ens ENSMUST00000112064
Trim8	A_51_P103650	ref NM_053100 ens ENSMUST00000026008 gb AK052763 gb BC060094
Sft2d2	A_51_P103780	ref NM_145512 ens ENSMUST00000043338 gb AK036578 gb AK156973
Lypd6b	A_51_P105068	ref NM_027990 ens ENSMUST00000028103 gb AK009282 riken 2310010M24
Nomo1	A_51_P105520	ref NM_153057 ens ENSMUST00000033121 gb AK082495 gb AK142338
Spep	A_51_P106488	ref NM_001085371 ens ENSMUST000000113587 ens ENSMUST00000113590 gb AK164360
Cetn4	A_51_P108990	ref NM_145825 ens ENSMUST00000102955 ens ENSMUST00000071400 ens ENSMUST00000075537
C3	A_51_P110301	ref NM_009778 ens ENSMUST00000024988 gb K02782 gb BC043338
Lgmn	A_51_P110576	ref NM_011175 ens ENSMUST00000021607 ens ENSMUST00000110020 gb AF044266
Stdky	A_51_P111595	ref NM_172516 ens ENSMUST00000045110 gb AK172954 gb AK050542
Nudt19	A_51_P111952	ref NM_033080 ens ENSMUST00000040962 gb X04097 gb K03414
lgtl	A_51_P112355	ref NM_018738 ens ENSMUST00000035266 gb AK152337 gb AK151779
St6galnac2	A_51_P112627	ref NM_009180 ens ENSMUST00000079545 gb X93999 gb AK004613
Slc7a8	A_51_P112734	ref NM_016972 ens ENSMUST00000022787 gb AK136752 gb Y19022
Ap1s2	A_51_P113144	gb AK167690 gb AK045558 gb AK005223 riken I530028J21
Ccl17	A_51_P114462	ref NM_011332 ens ENSMUST00000034232 gb AJ24587 gb AF125570
Fbxo2	A_51_P114472	ref NM_176848 ens ENSMUST00000047951 gb AK140175 gb BC027053
1110005A03Rik	A_51_P114591	ref NM_028865 ens ENSMUST00000021171 ens ENSMUST00000106370 gb AK160133
Nckap1	A_51_P114606	ref NM_016965 gb X61453 gb BC127067 gb BC148377
A330021E22Rik	A_51_P116601	ref NM_172447 gb BC062908 gb BC050971 gb AK076835
1810032O08Rik	A_51_P117666	ref NR_027821 ref NR_027819 ref NR_027820 ens ENSMUST00000021167
Elmod1	A_51_P118061	ref NM_177769 ens ENSMUST00000048409 gb BC144961 gb BC144963
Naa30	A_51_P119031	ref NM_001081430 ens ENSMUST00000037362 gb AK044235 gb AK017805
Nckap1l	A_51_P119429	ref NM_153505 ens ENSMUST00000047405 gb AK037534 gb AK083390
Trip6	A_51_P121058	ref NM_011639 ens ENSMUST00000024119 gb BC138685 gb BC138686
Dnahc6	A_51_P121134	ref NM_001164669 ens ENSMUST000000114040 ens ENSMUST000000064948 gb AK220414
Zeb2	A_51_P121206	ref NM_015753 ens ENSMUST00000076836 ens ENSMUST00000028229 ens ENSMUST000000068415
Fam53c	A_51_P121432	ref NM_175104 ens ENSMUST00000097622 ens ENSMUST00000091951 ens ENSMUST000000049281
Golt1a	A_51_P121527	ref NM_026680 ens ENSMUST00000007433 ens ENSMUST00000094557 gb AK002581
Pop4	A_51_P125117	ref NM_025390 ens ENSMUST00000032585 gb AK003908 gb AK150459
Hars	A_51_P125368	ref NM_008214 ens ENSMUST00000001416 gb U39473 gb AK088824
Zfp503	A_51_P126626	ref NM_145459 ens ENSMUST00000043409 gb AK046771 gb AK032903
Tcn2	A_51_P128491	ref NM_015749 ref NM_001130458 ref NM_001130459 ens ENSMUST00000109989
B2m	A_51_P129012	ref NM_009735 ens ENSMUST00000102476 gb X01838 gb AK028378
Ccl21a	A_51_P129480	ref NM_011124 ref NM_011335 ref NM_023052 ref XM_001478610
Hspa12b	A_51_P130332	ref NM_028306 ens ENSMUST00000099349 gb BC011103 nap NAP101684-1
Enkur	A_51_P131164	ref NM_027728 ens ENSMUST00000027992 gb BC099519 gb AY454124
Bai3	A_51_P133761	ref NM_175642 ens ENSMUST00000041838 gb AK081421 gb BC079670
Dusp12	A_51_P134776	ref NM_023173 ens ENSMUST00000027970 ens ENSMUST00000046476 gb AF268196
Mppd2	A_51_P135416	ref NM_001143683 ref NM_029837 ens ENSMUST00000111065 ens ENSMUST00000111063
	A_51_P136848	gb AK050977 riken D030049E01 nap NAP085174-1 tc TC1620845
Acat3	A_51_P139745	ref NM_153151 ref NM_009338 ens ENSMUST00000043923 ens ENSMUST000000007005
Ube3c	A_51_P141836	ref NM_133907 ens ENSMUST00000049453 gb AK122187 gb AK046056
Ubr2	A_51_P144575	ref NM_146078 ens ENSMUST00000113335 ens ENSMUST00000113337 ens ENSMUST00000075833
Rnf14	A_51_P145533	ref NM_020012 ref NM_001164621 ref NM_001164622 ens ENSMUST00000072376
Cdkn1b	A_51_P146126	ref NM_009875 ens ENSMUST00000003115 gb AK169586 gb AK154276
Arl6	A_51_P146576	ref NM_019665 ens ENSMUST00000118438 ens ENSMUST00000023405 ens ENSMUST00000099646
Nsdhl	A_51_P146701	gb AK156993 gb BC025545 riken F8301111P16 nap NAP110657-1
Rhobtb1	A_51_P146802	ref NM_001081347 ens ENSMUST000000020101 ens ENSMUST00000067908 gb BC099973
Usp47	A_51_P151086	ref NM_133758 ens ENSMUST00000084708 ens ENSMUST00000106653 gb AK030963
Hspa12a	A_51_P153557	ref NM_175199 ens ENSMUST00000066285 gb AB093239 gb AK141925
Zfp672	A_51_P155174	ref NR_028331 ens ENSMUST00000064786 gb AK019676 gb AK008471
B4galt1	A_51_P155257	ref NM_022305 ens ENSMUST00000030121 gb J03880 gb AK213053
Fcgrt	A_51_P161890	ref NM_010189 ens ENSMUST00000003512 gb L17022 gb AK152879
Tmem150a	A_51_P164939	ref NM_144916 ens ENSMUST00000069695 gb BC014685 gb BC028825
Tmem120b	A_51_P164987	ref NM_001039723 ens ENSMUST00000067505 ens ENSMUST00000111619 gb AK132283
Tmem191c	A_51_P165082	ref NM_177473 ens ENSMUST00000118972 ens ENSMUST00000069420 ens ENSMUST00000120070
Mrp133	A_51_P165330	ref NM_025796 ens ENSMUST00000031024 gb AB049651 gb AK002421
Nxn	A_51_P165870	ref NM_008750 ref XM_001476728 ens ENSMUST00000021204 gb AK216398
Ttc5	A_51_P166325	ref NM_001080949 ref XM_001003884 ref XM_982491 ens ENSMUST000000006451
Rpp14	A_51_P167273	gb AK016631 riken 4933403E10 nap NAP006887-001
Gis2	A_51_P169087	ref NM_001033264 ens ENSMUST00000044776 gb AK165896 gb AK039618
Gon4l	A_51_P170346	ref NM_027389 ref NR_028359 ref XM_001478845 ens ENSMUST00000107498
S100a1	A_51_P172475	ref NM_011309 ens ENSMUST00000060738 ens ENSMUST00000107340 gb AF087687
Ube2i	A_51_P177897	ref NM_011665 ref XM_620954 ens ENSMUST00000049911 gb AK004248
Bcat2	A_51_P181448	ref NM_009737 ens ENSMUST00000033098 ens ENSMUST00000120296 ens ENSMUST00000117366
Mgat1	A_51_P182592	ref NM_010794 ref NM_001110148 ref NM_001110150 ref NM_001110149
Grin1a	A_51_P183853	ref NM_178602 ref NM_001164793 ens ENSMUST00000034720 gb AK166738

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Podhb7	A_51_P184223	ref NM_053132 ens ENSMUST00000053037 gb AK043979 gb AK046463
Odz2	A_51_P184853	ref NM_011856 ens ENSMUST00000102801 gb AK122455 gb AF195419
Ifitm7	A_51_P184928	ref NM_028968 ens ENSMUST00000090305 ens ENSMUST00000117803 gb BC115786
Eps8	A_51_P188114	ref NM_007945 ens ENSMUST00000111878 ens ENSMUST00000100841 ens ENSMUST00000058210
	A_51_P191463	ens ENSMUST00000077662 gb BC144938 gb AY302212 gb AY302213
Aurkaip1	A_51_P192550	ref NM_025338 ens ENSMUST00000105591 ens ENSMUST00000105592 ens ENSMUST00000084097
1110059G10Rik	A_51_P194476	ref NM_025419 ens ENSMUST00000035154 ens ENSMUST00000093767 ens ENSMUST00000118422
	A_51_P195393	ens ENSMUST00000080379 ens ENSMUST00000116234 gb AK018138 gb AK088330
Zfp330	A_51_P195625	ref NM_145600 ens ENSMUST00000034147 gb AK050534 gb AK037748
Ly6c2	A_51_P197528	ref NM_001099217 ref XM_001475001 gb D86232 gb M18466
Hspa4	A_51_P200477	ref NM_008300 gb AK148883 gb AK134082 gb AK220167
Zbtb12	A_51_P200610	ref NM_198886 ens ENSMUST00000052778 gb BC062159 gb BC020447
Stat3	A_51_P201480	ref NM_213659 ref NM_213660 ref NM_011486 ens ENSMUST00000092671
Foxh1	A_51_P203138	ref NM_007989 ens ENSMUST00000037824 gb AF069303 gb AF079514
Gbp2	A_51_P203955	ref NM_010260 ens ENSMUST00000029937 gb AF109168 gb AF077007
Thg1l	A_51_P204646	ref NM_001080969 gb AK010876 gb BC115560 gb BC115561
A630089N07Rik	A_51_P205812	gb BC027541 tc TC1677172
Gm14288	A_51_P206849	ref NM_001033123 ref XM_001004283 ref XM_001480623 ref XM_001004267
	A_51_P206856	ens ENSMUST00000122231 gb AK083205 riken C630028B01 tc TC1579815
Zfp781	A_51_P207454	ref NM_199062 ref XM_001475544 ref XM_984750 ref XM_985679
Metrn	A_51_P208769	ref NM_133719 ens ENSMUST00000002344 gb BC132177 gb DQ133462
Ubl3	A_51_P209163	gb AF044222
Tctex1d2	A_51_P209334	ref NM_025329 ens ENSMUST00000014220 ens ENSMUST00000080316 gb AK007178
	A_51_P210310	ens ENSMUST00000103291 gb X00438 gb DQ126341 gb EF154514
Gltpd1	A_51_P211488	ref NM_024472 ens ENSMUST00000105586 ens ENSMUST00000030950 gb AK089229
Pxn	A_51_P214859	ref NM_133915 ref NM_011223 ens ENSMUST00000067268 ens ENSMUST00000112060
Plac9	A_51_P215627	ref NM_207229 ref XM_001472394 ref XM_001472576 ens ENSMUST00000052286
Tac1	A_51_P216456	ref NM_009311 ens ENSMUST00000090679 ens ENSMUST00000115546 gb M68908
A130022J15Rik	A_51_P216702	ref NM_175313 ens ENSMUST00000054344 gb BC048939 gb AK037507
Lgi4	A_51_P217386	ref NM_144556 ens ENSMUST00000039775 ens ENSMUST00000088438 gb AK033967
Rpl22l1	A_51_P218814	ref NM_026517 ref NR_004442 ref XM_001474692 ens ENSMUST00000043867
D14Ert449e	A_51_P222453	ref NM_025311 ref XM_001472492 ref XM_001472657 ref XM_001472510
Tspo	A_51_P222657	ref NM_009775 ens ENSMUST00000047419 gb L17306 gb AK151569
Pltp	A_51_P222655	ref NM_011125 ens ENSMUST00000059954 ens ENSMUST00000109317 ens ENSMUST00000109316
2310030G06Rik	A_51_P227165	ref NM_025865 ens ENSMUST00000034564 gb AK009541 gb BC027409
Vamp8	A_51_P227826	ref NM_016794 ens ENSMUST00000059983 gb AF053724 gb AF045661
Kcnc4	A_51_P228706	ref NM_145922 ens ENSMUST00000090617 gb AK158073 gb BC024837
Nxph1	A_51_P229344	gb AK047847 gb AK163438 gb BC068137 gb BC079608
Nrxn1	A_51_P229547	ref NM_020252 ref NM_177284 ens ENSMUST00000072671 ens ENSMUST00000054059
Etnk1	A_51_P229599	ref NM_029250 ens ENSMUST00000032413 gb AK044502 gb AK033268
Rprd1b	A_51_P229633	ref NM_027434 gb DQ372939 gb BC028819 gb AK152125
Fpgt	A_51_P229886	ref NM_029330 ens ENSMUST00000066568 gb AK045369 gb AJ276067
Bcan	A_51_P230175	ref NM_007529 ens ENSMUST00000090971 ens ENSMUST00000107573 gb AK144405
Cdv3	A_51_P232800	gb AK010956 riken 2510010F10 nap NAP120520-1
Adamts5	A_51_P233534	ref NM_011782 ref XM_001480027 ens ENSMUST000000023611 gb AF140673
Nod1	A_51_P234113	ref NM_172729 ens ENSMUST00000060655 gb AK137585 gb AK089662
Trpc7	A_51_P234373	ref NM_012035 ens ENSMUST00000109871 ens ENSMUST00000022023 gb AK135153
Rpl13a	A_51_P235311	ref NM_009438 ref XM_914190 ens ENSMUST00000102669 gb CT010169
Alox5ap	A_51_P235687	ref NM_009663 ens ENSMUST00000071130 gb BC026209 gb AK004002
Plcb3	A_51_P236042	ref NM_008874 ens ENSMUST00000025912 gb AK220180 gb AK146793
Spock3	A_51_P237153	ref NM_023689 ens ENSMUST00000117377 ens ENSMUST00000110270 ens ENSMUST00000118003
	A_51_P237746	gb AK004226 riken 1110051A18 nap NAP021060-001 tc TC1596987
Slc6a7	A_51_P237924	ref NM_201353 ens ENSMUST00000025520 gb AK141581 gb BC050103
Etnk2	A_51_P238183	ref NM_175443 ens ENSMUST00000094555 gb AK077179 gb AK087818
Cd93	A_51_P238722	ref NM_010740 ens ENSMUST00000099269 gb AK150385 gb AF081789
Nudc	A_51_P238933	gb AK146323 gb BC011253 gb X81443 riken I730052K04
Tm4sf1	A_51_P240614	ref NM_008536 ens ENSMUST00000029376 gb AK134603 gb AK164718
Tmem173	A_51_P240801	ref NM_028261 ens ENSMUST00000115728 ens ENSMUST00000025207 gb BC046640
Lhfp13	A_51_P241210	ref NM_001081231 ref NM_029990 gb AK076730 gb AK033906
Naaa	A_51_P242201	ref NM_025972 ref NM_001163687 ens ENSMUST00000113102 gb AK017141
Dusp16	A_51_P242634	gb AF345951 gb AF345952 gb AF345953 gb AF345954
Lbxcor1	A_51_P242643	ref NM_172446 ref NM_001163755 ref NM_001163757 ref NM_001163758
Adcy6	A_51_P243134	ref NM_007405 ens ENSMUST00000096224 gb M93422 gb AK147516
Nbl1	A_51_P244492	ref NM_008675 ens ENSMUST00000042844 gb AK146535 gb AK158008
Rpgrip1	A_51_P244973	ref NM_023879 ref NM_001168515 ens ENSMUST00000111603 ens ENSMUST00000111600
Dolpp1	A_51_P246690	ref NM_020329 ens ENSMUST00000028209 ens ENSMUST00000113612 gb AK010797
Mctp1	A_51_P247070	ref NM_030174 ens ENSMUST00000109583 ens ENSMUST00000022086 ens ENSMUST00000046098
Alox5	A_51_P247249	ref NM_009662 ens ENSMUST00000026795 gb AK137481 gb AK170016
Heat7a	A_51_P249385	ref NM_175457 gb AK090131 gb AK170702 gb AK052153
Tceal1	A_51_P249930	ref NM_146236 ens ENSMUST00000055104 gb BC011290 gb BC083157
Slc12a4	A_51_P251256	ref NM_009195 ens ENSMUST00000034370 ens ENSMUST00000116429 gb AF121118
Emr1	A_51_P251768	ref NM_010130 ens ENSMUST00000086763 ens ENSMUST00000035851 ens ENSMUST00000081124
Mfge8	A_51_P255682	ref NM_008594 ref NM_001045489 ens ENSMUST00000032825 ens ENSMUST000000107409
Tiam2	A_51_P256066	ref NM_011878 ref NM_001122998 ens ENSMUST00000072156 gb AK158489
Anxa4	A_51_P256342	ref NM_013471 ens ENSMUST00000001187 ens ENSMUST00000113675 gb U95371
Anxa4	A_51_P256344	ref NM_013471 ens ENSMUST00000001187 ens ENSMUST00000113675 gb U95371

Supplementary Table 2
(Continued)

Pus7	A_51_P256439	ref NM_178403 ens ENSMUST00000072492 ens ENSMUST00000119946 gb AK142271
Lmbr1	A_51_P256653	ref NM_020295 ens ENSMUST00000055195 gb BC016110 gb AK030631
Per3	A_51_P258493	ref NM_011067 ens ENSMUST00000103204 gb BC145178 gb BC141032
Kihl1	A_51_P259118	ref NM_053105 ens ENSMUST00000022666 gb AK220397 gb AK031932
Sic39a6	A_51_P259214	ref NM_139143 ens ENSMUST00000070726 gb AK028976 gb BC054780
Cntnap2	A_51_P260850	ref NM_025771 ref NM_001004357 ens ENSMUST00000060839 ens ENSMUST00000114641
Fam38a	A_51_P261600	ref NM_001037298 ens ENSMUST00000064316 ens ENSMUST00000059683 ens ENSMUST00000067252
Sic1c1	A_51_P261713	ref NM_021471 ens ENSMUST00000032362 ens ENSMUST00000111837 gb AK161010
Itpr1	A_51_P263407	ref NM_001163527 ref NM_001163528 ens ENSMUST00000099409 gb AK028913
Whrn	A_51_P264685	gb AK039124 riken A230098N07 nap NAP025425-001 tc TC1635500
Aasdhppt	A_51_P265093	ref NM_026276 gb AK144671 gb AK031766 gb AK081818
Ly6a	A_51_P265495	ref NM_010738 ens ENSMUST00000023248 gb J03636 gb X04653
Chsy3	A_51_P265778	ref NM_001081328 gb BC151164 gb BC151165 gb BC157985
Sic15a2	A_51_P267278	ref NM_021301 ens ENSMUST00000023616 gb AF111811 gb AK128939
2010012O05Rik	A_51_P267508	ref NM_025563 ens ENSMUST00000074912 gb AK008215 gb BC027506
Icam2	A_51_P267754	ref NM_010494 ens ENSMUST00000106810 ens ENSMUST0000001055 ens ENSMUST00000106813
Map4k4	A_51_P268053	ref NM_008696 ens ENSMUST00000088000 ens ENSMUST00000027244 gb U88984
Sic7a10	A_51_P268193	ref NM_017394 ens ENSMUST0000001854 gb AK005282 gb AB026688
Rnf128	A_51_P268331	ref NM_023270 ens ENSMUST00000033815 ens ENSMUST00000113029 ens ENSMUST00000113027
Myom3	A_51_P268983	ref NM_001085509 ens ENSMUST00000074336 ens ENSMUST00000105854 gb AK033394
Hccs	A_51_P269524	ref NM_008222 ens ENSMUST00000033717 ens ENSMUST00000112115 gb AK143150
Gfpt1	A_51_P270635	ref NM_013528 ens ENSMUST00000113658 gb AK013141 gb DV070843
Fam59a	A_51_P271439	ref NM_001033445 ens ENSMUST00000049260 gb BC049983 gb AK220564
Dok1	A_51_P275976	ref NM_010070 ens ENSMUST00000089651 gb U78818 gb AK169871
Gpr3711	A_51_P276142	ref NM_134438 ens ENSMUST00000027682 gb AK158275 gb AB016602
Cav2	A_51_P279552	ref NM_016900 ens ENSMUST0000000058 gb AF141322 gb AK151397
Sdf2l1	A_51_P280446	ref NM_022324 ens ENSMUST00000023453 gb AB043006 gb BC023290
Cplx2	A_51_P281525	ref NM_009946 ens ENSMUST00000026985 gb D38613 gb BE991593
Gad1	A_51_P282538	ref NM_008077 ens ENSMUST00000094934 gb AK160868 gb AK136801
Gm14410	A_51_P283292	ref NM_001113806 ref XM_902322 ref XM_001472314 ref XM_001472066
Fxyd1	A_51_P287001	ref NM_019503 ref NM_052992 ref NM_052991 ref NM_194321
Serpinh1	A_51_P287069	ref NM_009825 ref NM_001111043 ref NM_001111044 ens ENSMUST00000094154
	A_51_P289423	nap NAP057047-1
Thbd	A_51_P291417	ref NM_009378 ens ENSMUST00000099270 gb AK082885 gb AK044928
Stx5a	A_51_P294550	ref NM_019829 ref NM_001167799 ens ENSMUST00000010254 ens ENSMUST00000073430
Gcap14	A_51_P295175	ref NM_027045 ens ENSMUST00000111893 ens ENSMUST00000090024 gb AK013689
Prpc	A_51_P297011	ref NM_028243 ens ENSMUST00000076052 gb AK051677 gb AK083719
Lonp1	A_51_P298097	ref NM_028782 ens ENSMUST00000047226 ens ENSMUST00000097301 gb AY190302
Lix1	A_51_P298266	ref NM_025681 ens ENSMUST00000115576 ens ENSMUST00000097389 gb AK017685
Wdr90	A_51_P299216	ref NM_001163766 ens ENSMUST00000079461 gb BC043315 gb AK014328
Spef1	A_51_P299632	ref NM_027641 ens ENSMUST00000028801 ens ENSMUST00000110218 gb AK047675
Unc93b1	A_51_P301975	gb U89424
Cfl2	A_51_P302149	ref NM_007688 gb AK004659 gb AK162912 gb BC007138
Ltb	A_51_P302358	ref NM_008518 ens ENSMUST00000025262 gb BC114919 gb U16985
Rtp4	A_51_P304170	ref NM_023386 ens ENSMUST00000038423 gb AK007477 gb AJ251364
LOC100046168	A_51_P304879	ref XM_001475723 ens ENSMUST00000025293 gb BC020359 gb AF220209
Rerg	A_51_P305508	ref NM_181988 ref NM_001164212 ref NM_001164214 ens ENSMUST00000117919
	A_51_P308111	gb AK136371 riken B430408E23 tc TC1659511
1500010C09Rik	A_51_P309208	gb AK005186 riken 1500010C09 nap NAP090319-1 tc NP749289
Rasgef1a	A_51_P310066	ref NM_027526 ens ENSMUST00000032230 gb AK158756 gb BC145232
Fam65a	A_51_P310447	ref NM_001081241 ens ENSMUST00000109346 ens ENSMUST00000043531 gb BC079880
Ypel5	A_51_P311694	ref NM_027166 ens ENSMUST00000045174 gb AK046281 gb AK154461
Tlod1	A_51_P312275	ref NM_026708 ens ENSMUST00000092880 ens ENSMUST00000098545 gb AK002265
Arhgef5	A_51_P313157	ref NM_133674 ens ENSMUST00000031750 gb AK220242 gb BC025127
2700089E24Rik	A_51_P313337	ref NM_001163445 ens ENSMUST00000100864 gb AK077261 riken 5031431L04
Syne1	A_51_P314186	ref NM_001079686 ref NM_022027 ens ENSMUST00000056571 ens ENSMUST00000095899
	A_51_P322574	ens ENSMUST00000097692 gb AK161240 gb AK020943 gb BY742368
Cpsf4	A_51_P322574	ref NM_178576 ens ENSMUST00000110643 ens ENSMUST00000070487 ens ENSMUST00000110644
Fgfr3	A_51_P322906	ref NM_008010 ref NM_001163215 ref NM_001163217 ref NM_001163216
Pop1	A_51_P322910	gb AK016547 riken 4932434G09
Sdc4	A_51_P323248	ref NM_0111521 gb AK149784 gb AK145805 gb D89571
Fam71e1	A_51_P323531	ref NM_028169 ens ENSMUST00000107927 gb AK006229 gb BC100470
Gm14288	A_51_P324768	ref NM_001033123 ref XM_001480623 ref XM_001004283 ref XM_001004267
Evpl	A_51_P324838	ref NM_025276 ens ENSMUST00000037007 gb AK007353 gb BC025156
Aph1b	A_51_P325124	ref NM_177583 gb AK049828 gb AK162585 riken C630002F03
Cd47	A_51_P325651	gb AK164165 gb AK021021 riken B430305P08 riken C630029O17
Pdia4	A_51_P328300	ref NM_009787 ens ENSMUST00000077290 gb BC141078 gb Y00884
Bsg	A_51_P329441	ref NM_009768 ref NM_001077184 ens ENSMUST00000067036 ens ENSMUST00000105381
Nol4	A_51_P332228	ref NM_199024 ref NM_001161483 ens ENSMUST00000081423 ens ENSMUST00000069215
Sh3y1	A_51_P340226	ref NM_013709 ens ENSMUST00000020997 ens ENSMUST00000110881 ens ENSMUST00000110880
Mmp2	A_51_P341736	ref NM_008610 ens ENSMUST00000034187 gb AK163248 gb AK205047
B3gal1	A_51_P342916	ref NM_020283 ens ENSMUST00000042456 ens ENSMUST00000112346 gb BC132246
Plk1	A_51_P344566	ref NM_011121 ens ENSMUST00000033154 gb AK134045 gb L19558
Psmb8	A_51_P345367	ref NM_010724 ens ENSMUST00000025196 gb U22031 gb U22032
Pafah2	A_51_P345896	ref NM_133880 ens ENSMUST00000039233 ens ENSMUST00000105869 ens ENSMUST00000105870
Ptp4a2	A_51_P346516	ref NM_008974 ref NM_001164745 ens ENSMUST00000030578 gb AF035644

Supplementary Table 2
(Continued)

Extl1	A_51_P346893	ref NM_019578 ens ENSMUST00000030643 gb BC120890 gb BC120891
Tmem141	A_51_P348183	ref NM_001040130 ref NM_001109993 ens ENSMUST00000028308 gb AK004380
C130081A10Rik	A_51_P349922	gb AK081838 riken C130081A10 nap NAP012164-001 tc TC1610977
Zfp365	A_51_P352216	ref NM_178679 ens ENSMUST00000064656 ens ENSMUST00000048213 gb AK033892
Sfrp1	A_51_P352296	ref NM_013834 ens ENSMUST00000033952 gb U88566 gb AK081052
Slc16a2	A_51_P352324	ref NM_009197 ens ENSMUST00000042664 gb AK1143100 gb AF045692
Il11ra1	A_51_P353946	ref NM_010549 ref NM_001163401 ref NM_001099348 ref NM_001100596
Il11ra1	A_51_P353947	ref NM_010549 ref NM_001163401 ref NM_001099348 ref NM_001100596
Fads1	A_51_P358112	ref NM_146094 ens ENSMUST00000010807 gb AF061504 gb AK154367
Ifit3	A_51_P359570	ref NM_010501 ens ENSMUST000000102825 gb AK151032 gb L32974
Lgals3bp	A_51_P359636	ref NM_011150 ens ENSMUST00000043722 gb AK150021 gb AK153396
Agpat5	A_51_P361286	ref NM_026792 gb AK082137 gb AK036706 riken C230012M10
Lgi2	A_51_P361830	ref NM_144945 gb AY841361 gb BC148507 gb AK038519
Chi3l1	A_51_P362066	ref NM_007695 ens ENSMUST00000082060 gb X93035 gb AK051475
Itih5	A_51_P364250	ref NM_172471 ens ENSMUST00000026886 gb AK134707 gb AK140756
Fads2	A_51_P364609	ref NM_019699 gb AF126798 gb BC057189 gb AK185613
Sh3bp2	A_51_P364632	ref NM_011893 ref NM_001145859 ref NM_001145858 ref NM_001136088
Sifn5	A_51_P372895	ref NM_183201 gb AK138790 gb AK080076 riken A430071M17
Tgfb11	A_51_P366344	ref NM_009365 ens ENSMUST00000070656 ens ENSMUST00000092080 ens ENSMUST00000033046
Zmynd17	A_51_P369426	ref NM_029104 ens ENSMUST00000022353 gb AK014794 gb BC119773
Cyp20a1	A_51_P370470	ref NM_0300113 ens ENSMUST00000060608 gb AK053388 gb BC049147
Pttg1	A_51_P371190	ref NM_013917 ref NM_0011131054 ens ENSMUST000000121638 ens ENSMUST00000020687
Wdr86	A_51_P372456	ref NM_001081441 ens ENSMUST00000068693 gb AK019251 gb AK019267
Zfp433	A_51_P372895	ref XM_984400 ref XM_924400 gb AK007242 gb BC064812
4632428N05Rik	A_51_P372992	ref NM_028732 ref NM_001159572 ens ENSMUST000000105460 ens ENSMUST00000020301
C1qtnf5	A_51_P373911	ref NM_145613 ref NM_147126 ref NM_001040632 ref NM_001040631
Fam13b	A_51_P375698	gb BC029030 gb AK160210 riken 2610024E20 nap NAP001834-002
Synpr	A_51_P376656	ref NM_028052 ref NM_001163032 ens ENSMUST000000112656 ens ENSMUST000000070323
Rbpms2	A_51_P378545	ref NM_028030 ens ENSMUST00000055844 gb AK144659 gb AK156633
1200009O22Rik	A_51_P378870	gb AK051421 riken D130047M14 nap NAP095994-001
Ndufs1	A_51_P379597	ref NM_145518 ref NM_001160038 ref NM_001160040 ref NM_001160039
Tjap1	A_51_P380514	ref NM_028751 ens ENSMUST00000012440 gb AK188458 gb AF465982
Acsf6	A_51_P380699	ref NM_001033599 ref NM_001033597 ref NM_144823 ref NM_001033598
Procr	A_51_P382152	ref NM_011171 ens ENSMUST00000029140 gb AK167302 gb X63748
Rnf103	A_51_P383320	ref NM_009543 ens ENSMUST000000114178 ens ENSMUST000000064637 gb D76445
Bmp4	A_51_P383741	ref NM_007554 ens ENSMUST000000100676 ens ENSMUST00000074077 gb AK136527
Tek4	A_51_P387868	ref NM_027951 ens ENSMUST00000025002 gb AK005842 gb AY485267
Ssh3	A_51_P387971	ref NM_198113 ens ENSMUST000000113852 ens ENSMUST00000037992 gb AB099289
Bat1a	A_51_P388099	ref NM_019693 ens ENSMUST00000093645 ens ENSMUST00000068056 gb AY255786
Ang	A_51_P391159	ref NM_007447 ref NM_001161731 ens ENSMUST000000069011 gb AK159966
D8Erttd738e	A_51_P391668	ref NM_001007571 ref XM_001471475 ens ENSMUST00000019506 gb AK167785
Car8	A_51_P392005	ref NM_007592 ref XM_001473032 ens ENSMUST000000066674 ens ENSMUST000000098290
Med25	A_51_P392861	ref NM_029365 ens ENSMUST00000003049 gb AK149867 gb AK180948
Leprot	A_51_P394690	ref NM_175036 ens ENSMUST00000030254 ens ENSMUST000000106927 gb AK009569
Gfap	A_51_P395056	gb K01347 gb M25937 tc NP059125
Spopl	A_51_P395743	ref NM_029773 ref NM_001165997 ref NM_001165998 ens ENSMUST000000028110
Gsto2	A_51_P396852	ref NM_026619 ens ENSMUST000000056159 ens ENSMUST000000120645 gb AK075753
Airf1	A_51_P400543	ref NM_019467 ens ENSMUST00000025257 gb AB013745 gb AF074959
Sspn	A_51_P401659	ref NM_010656 ens ENSMUST000000111701 ens ENSMUST000000111702 ens ENSMUST00000032383
Tmem37	A_51_P401987	ref NM_019432 ens ENSMUST000000056089 gb AK002424 gb AK086093
Ppp1r9b	A_51_P402484	ref NM_172261 ens ENSMUST00000038696 ens ENSMUST000000107748 gb AK084730
Spnb3	A_51_P403799	ref NM_021287 ens ENSMUST00000008991 gb AK172931 gb AK147671
Med20	A_51_P404067	ref NM_020048 ens ENSMUST00000024778 gb AJ245617 gb AK146345
Mic1	A_51_P405496	ref NM_133241 ens ENSMUST00000042594 ens ENSMUST000000109368 gb AK030396
Kcnd2	A_51_P406527	ref NM_019697 ens ENSMUST00000081542 gb AF107780 gb AK032268
Nuttf2	A_51_P408059	ref NM_026532 ref XM_001003873 ref XM_983341 ref XM_001473957
Icam1	A_51_P408506	ens ENSMUST000000086399 gb BC008626 gb AK151681 gb AK168275
Agap3	A_51_P410112	ref NM_139153 ref XM_001477410 ens ENSMUST000000024123 gb BC031173
Ezr	A_51_P413348	ref NM_009510 ref XM_001471637 ens ENSMUST000000085833 ens ENSMUST000000097429
Mmrn2	A_51_P414396	ref NM_153127 ens ENSMUST000000111908 gb AK134285 gb AK078470
Psm2	A_51_P415945	ref NM_008944 ens ENSMUST000000082305 gb X70303 gb AK012119
Exosc9	A_51_P416243	ref NM_019393 ref XM_983011 ens ENSMUST00000029269 gb AK076096
Irgm2	A_51_P416295	ref NM_019440 ens ENSMUST000000094169 ens ENSMUST00000058704 ens ENSMUST000000108836
Calr	A_51_P416419	ref NM_007591 ens ENSMUST00000003912 gb AK160197 gb M92988
Taf9	A_51_P417313	ref NM_001015889 ref NM_027139 ref XM_001001824 ref XM_620010
	A_51_P418488	ens ENSMUST000000117200 gb AK084163 riken D230004I22 nap NAP025771-001
Gadd45gip1	A_51_P419086	ref NM_183358 gb AK003314 gb AK009723 gb AK028227
E130112L23Rik	A_51_P419925	ref NM_001145922 ref NM_001145921 ens ENSMUST000000100639 ens ENSMUST000000089769
Clic5	A_51_P420547	ref NM_172621 ens ENSMUST00000024755 gb AK133511 gb BQ033492
Thy1	A_51_P420731	ref NM_009382 ens ENSMUST000000114840 ens ENSMUST00000034509 gb BC054436
Jph4	A_51_P425352	ref NM_177049 ens ENSMUST000000022819 gb AK034118 gb AK033956
Gpt	A_51_P426739	ref NM_182805 ens ENSMUST00000023203 gb AK008086 gb AK009457
Thsd1	A_51_P427516	ref NM_019576 gb AB039946 gb AK014758 gb AK052555
Cpt1a	A_51_P427674	ref NM_013495 gb AK133472 gb AF017175 gb AK149688
C4b	A_51_P428708	ref NM_009780 ref NM_011413 ref XM_972987 ref XM_973068
Fam129b	A_51_P429040	ref NM_146119 ens ENSMUST00000028135 ens ENSMUST000000113210 ens ENSMUST000000113209

Supplementary Table 2
(Continued)

Nrxn2	A_51_P431827	ref NM_020253 ens ENSMUST00000113461 ens ENSMUST00000077182 ens ENSMUST00000073522
Tfgr	A_51_P431919	ref NM_019678 ens ENSMUST00000065515 ens ENSMUST00000023440 gb AK158539
H2-T22	A_51_P432538	ref NM_010397 ref NM_010395 ref NM_010399 ref XM_001471650
Bcas1	A_51_P433192	ref NM_029815 ref NM_001164369 ens ENSMUST00000013667 ens ENSMUST00000109152
Hpn	A_51_P434483	ref NM_008281 ref NM_001110252 ens ENSMUST00000108102 ens ENSMUST00000039435
Cox7a2l	A_51_P434803	ref NM_009187 ref NM_001159529 ref XM_894265 ref XM_001004846
Zfp871	A_51_P436447	ref NM_172458 ens ENSMUST00000057501 gb AK029041 gb BC043671
6330577E15Rik	A_51_P437188	ref NM_026377 ref XM_001480784 ens ENSMUST000000099353 ens ENSMUST00000099354
Smarcal1	A_51_P438293	ref NM_018817 gb AK133701 gb BC038250 gb BY759648
Mtrf1	A_51_P440852	ref NM_145960 ens ENSMUST00000022600 gb BC028898 gb AK077749
Pf4	A_51_P441426	ref NM_019932 ens ENSMUST00000031320 gb AK159278 gb AK160040
Acy2	A_51_P443344	ref NM_029344 ens ENSMUST00000074613 ens ENSMUST00000109438 gb AK046238
Slu7	A_51_P443872	ref NM_148673 ref NM_198936 ens ENSMUST00000020681 gb AK029117
Shroom1	A_51_P444005	ref NM_027917 ens ENSMUST00000093114 ens ENSMUST00000109013 ens ENSMUST00000109010
1810074P20Rik	A_51_P446417	ref NM_026194 ens ENSMUST00000102994 ens ENSMUST00000038705 gb BC132195
Cldnd1	A_51_P446477	ref NM_171826 ens ENSMUST00000023426 gb AK216958 gb AK152121
Nupl2	A_51_P448447	ref NM_153092 gb AK194837 gb AK078478 gb BC033270
Anxa3	A_51_P451032	ref NM_013470 ref XM_001473636 ens ENSMUST00000031447 gb AK090055
Bhlhe41	A_51_P451176	ref NM_024469 ens ENSMUST00000032386 gb AB044090 nap NAP023909-001
Nes	A_51_P452323	ref NM_016701 ens ENSMUST00000090973 ens ENSMUST00000118743 gb AF076623
Cyp4f14	A_51_P452768	ref NM_022434 ens ENSMUST00000054174 gb AK005007 gb BC094016
Gad2	A_51_P452977	ref NM_008078 ens ENSMUST00000028123 gb D42051 gb AF326550
Lbp	A_51_P454008	ref NM_008489 ens ENSMUST00000016168 gb X99347 gb BC004795
Sic31a1	A_51_P454765	ref NM_175090 ens ENSMUST000000084526 ens ENSMUST00000122092 gb AK046835
Tmcc2	A_51_P454993	ref NM_178874 ens ENSMUST00000045473 gb AK157378 gb AK165309
Ring1	A_51_P455266	ref NM_009066 ens ENSMUST00000025183 gb Y12881 gb AK155509
Mapk12	A_51_P455416	ref NM_013871 ens ENSMUST00000088827 gb Y13439 gb AK011286
Rac3	A_51_P455946	ref NM_133223 ens ENSMUST00000018156 gb AK150203 gb AK089930
Wbscr22	A_51_P456590	ref NM_025375 ens ENSMUST00000005512 ens ENSMUST00000071677 ens ENSMUST00000111205
Rragd	A_51_P457989	ref NM_027491 ens ENSMUST00000029946 ens ENSMUST00000098190 ens ENSMUST00000084747
F11r	A_51_P458866	ref NM_172647 ens ENSMUST00000043839 gb BC021876 gb U89915
Gprasp1	A_51_P459741	ref NM_026081 ref NM_001004359 ref NM_001005385 ens ENSMUST00000070053
Ccdc123	A_51_P460958	ref NM_028120 ens ENSMUST00000079414 gb AK029107 gb AK012067
	A_51_P461201	ens ENSMUST00000106961 gb BC023187 nap NAP057799-1 tc TC1580545
Hcfc2	A_51_P462286	gb AK018461 riken 8430436H03
Hspb8	A_51_P464387	ref NM_030704 ens ENSMUST00000036991 gb AK005052 gb BC011219
Msrb2	A_51_P464911	ref NM_029619 ens ENSMUST00000023856 gb AK009912 gb BC021619
Lgals1	A_51_P465281	ref NM_008495 ens ENSMUST00000089377 gb BC002063 gb X66532
Hnmt	A_51_P465292	ref NM_080462 ens ENSMUST00000114498 ens ENSMUST00000051416 gb BC033928
Hdh3	A_51_P465582	ref NM_024257 ens ENSMUST00000037820 gb BC003491 gb AK013245
Sic1a2	A_51_P477875	ref NM_011393 ens ENSMUST00000111213 ens ENSMUST0000005220 gb BC138255
	A_51_P478172	ens ENSMUST00000103299 gb U07661 gb M15459 gb AK138971
Nosip	A_51_P479177	ref NM_025533 ref NM_001163684 ens ENSMUST00000003513 ens ENSMUST00000107830
Mars	A_51_P479902	ref NM_001003913 ens ENSMUST00000037290 gb AK186485 gb AK181163
Cas21	A_51_P480290	ref NM_027195 ens ENSMUST00000094464 ens ENSMUST00000030820 gb AK010559
Snx7	A_51_P483180	ref NM_029655 ens ENSMUST00000029639 ens ENSMUST00000098655 gb AK170966
Sema3e	A_51_P483438	ref NM_011348 ref XM_001471667 ens ENSMUST00000073957 gb AK141295
Aass	A_51_P483544	ref NM_013930 ens ENSMUST00000031707 gb AJ224761 gb AK136216
Irf3	A_51_P485499	ref NM_016849 ens ENSMUST00000107835 ens ENSMUST0000003284 ens ENSMUST00000107834
Lrrtm3	A_51_P488180	ref NM_178678 ens ENSMUST00000105439 gb AK036180 gb BC113178
Acsc2	A_51_P488399	ref NM_019811 ens ENSMUST00000103142 ens ENSMUST00000029135 ens ENSMUST00000109657
Isoc1	A_51_P488519	ref NM_025478 ens ENSMUST00000025503 gb BC016576 gb AK134794
Pnp1	A_51_P488888	ref NM_013632 ref XM_001474536 ens ENSMUST00000048615 ens ENSMUST00000076970
Wdft3	A_51_P489821	ref NM_172882 gb BC058274 gb AK012075 gb AB093277
Suv420h1	A_51_P491355	ref NM_144871 ref NM_001167885 ref NM_001167887 ref NM_001167886
Eef1d	A_51_P493079	ref NM_029663 ref NM_023240 ens ENSMUST00000109975 ens ENSMUST00000023235
Zcchc14	A_51_P496054	ref NM_080855 ens ENSMUST00000046386 gb AB030244 gb AK122315
C2	A_51_P497985	ref NM_013484 ens ENSMUST00000025230 gb AK146812 gb M57891
Dck	A_51_P500713	ref NM_007832 ens ENSMUST00000031311 gb X77731 gb AK048347
Mmp23	A_51_P502132	ref NM_011985 ens ENSMUST00000030937 gb BC107357 gb BC107358
Sic9a3r1	A_51_P502150	ref NM_012030 ens ENSMUST00000021077 gb AK168894 gb AK153558
Gm7035	A_51_P502456	ref NR_004446 gb BQ951674 nap NAP005514-002 nap NAP100128-001
Fam102b	A_51_P502724	ref NM_001163567 gb AK005412 gb BB739098 riken 1600010D10
Fam55d	A_51_P502798	ref NM_172921 ens ENSMUST00000093853 gb BC094249 gb AK048132
Ppap2b	A_51_P503433	ref NM_080555 ens ENSMUST00000064139 gb AK011276 gb BC005558
Rbm34	A_51_P504490	ref NM_172762 ens ENSMUST00000045994 gb AK016057 gb BC064035
Aldh11	A_51_P504546	ref NM_027406 ens ENSMUST00000032175 gb AK045441 gb BC025939
Pgcp	A_51_P506045	ref NM_176073 ref NM_018755 ens ENSMUST00000042167 gb AF009513
5330426P16Rik	A_51_P507234	ref NR_028300 gb AK052569 gb AK045752 gb AK137010
Sic25a18	A_51_P507664	ref NM_001081048 ens ENSMUST00000112682 ens ENSMUST0000000102 gb BC116828
A2bp1	A_51_P508864	ens ENSMUST00000109055 ens ENSMUST00000109011 gb AK013921 gb U62393
	A_51_P510914	ens ENSMUST00000109011 ens ENSMUST00000108980 ens ENSMUST00000119149 ens ENSMUST00000120959
	A_51_P510916	ref NR_027802 ens ENSMUST00000058665 gb AK042966 gb U88401
Mtag2	A_51_P511608	ref NM_008525 ens ENSMUST00000107444 ens ENSMUST00000030090 gb AK168132
Alad	A_51_P512072	ref NM_172733 ens ENSMUST00000087675 gb BC016218 gb AK083298
Dera	A_51_P512820	

Supplementary Table 2
(Continued)

Gins4	A_51_P513085	ref NM_024240 ens ENSMUST00000033950 gb AK164815 gb BC002156
Rac1	A_51_P513254	ref NM_009007 gb AK193118 gb AK076023 gb AK081613
Ensa	A_51_P513600	ref NM_001026212 ens ENSMUST00000037983 gb AK011334 gb AK149726
Prdm16	A_51_P514139	ref NM_027504 ens ENSMUST00000105638 ens ENSMUST00000030902 ens ENSMUST00000105637
Add2	A_51_P514270	gb AK147544 gb AK013768 gb CJ263489 riken 2900072M03
Slc2a5	A_51_P514405	ref NM_019741 ens ENSMUST00000030826 gb BC023500 gb AF161071
Cyld	A_51_P516097	ref NM_001128169 ref NM_001128171 ref NM_001128170 ref NM_173369
Stk11ip	A_51_P516994	ref NM_027886 ref XM_001478275 ens ENSMUST00000113553 ens ENSMUST00000027414
Adam9	A_51_P518378	ref NM_007404 ens ENSMUST00000084032 ens ENSMUST00000084035 gb AK155672
Ski	A_51_P518503	ref NM_011385 ens ENSMUST00000030917 ens ENSMUST00000105629 ens ENSMUST00000084103
Ccin	A_51_P518893	ref NM_001002787 ens ENSMUST00000095107 gb BC150949 gb BC150952
	A_51_P518959	riken 1110025P21
	A_52_P1003865	gb AK143879 gb AK047056 riken B930014112 riken F430214N12
AW112010	A_52_P1020860	ref XM_888885 ref XM_908564 ens ENSMUST00000099676 gb AK153119
	A_52_P102846	gb U07661 gb U07660 gb AK083362 gb AK087950
	A_52_P1035662	gb AK032159 riken 6430404D24
Ppfia3	A_52_P104581	ref NM_029741 ens ENSMUST00000094439 ens ENSMUST00000003961 ens ENSMUST00000107779
Fam114a2	A_52_P104700	ref NM_026342 ref NM_001168668 ref NM_001168667 ens ENSMUST00000108850
Cryab	A_52_P106482	ref NM_009964 ens ENSMUST00000093849 ens ENSMUST00000034562 gb CT010341
Psip1	A_52_P109131	gb BC052177 gb AF339083 nap NAP122859-1 tc TC1664107
Tspo	A_52_P112017	ref NM_009775 ens ENSMUST00000047419 gb L17306 gb AK151569
Dlx6os1	A_52_P112463	ref NR_015388 gb AK044034 gb AK032537 riken A830082H07
Nucks1	A_52_P1126526	ref NM_175294 ref NM_001145804 ens ENSMUST00000112381 ens ENSMUST00000062264
Myo1f	A_52_P113190	ref NM_053214 ens ENSMUST00000114400 ens ENSMUST00000087605 gb AK158333
Kif1c	A_52_P113465	ref NM_153103 ens ENSMUST00000072187 ens ENSMUST00000102554 gb AK173007
Armxc5	A_52_P114282	ref NM_001009575 ens ENSMUST00000096321 gb AK166624 gb AK133950
	A_52_P115191	nap NAP112463-1 nap NAP112469-1
Slc6a16	A_52_P1181112	ref XM_355900 ref XM_914689 tc TC1650678
C1qtnf5	A_52_P121192	ref NM_145613 ref NM_147126 ref NM_001040632 ref NM_001040631
Kcnd2	A_52_P124472	ref NM_019697 ens ENSMUST00000081542 gb AB093280 gb AK140148
Prkaa2	A_52_P137378	ref NM_178143 ens ENSMUST00000030243 gb AK044030 gb AK020297
Trpm4	A_52_P138967	ref NM_175130 ens ENSMUST00000042194 gb AB112658 gb AB112657
Zc3h6	A_52_P139819	ref NM_178404 gb AK019473 gb AK220224 gb BC043311
Gabra5	A_52_P143037	ref NM_176942 ens ENSMUST00000068456 gb AK083185 gb AK038476
Zyg11b	A_52_P14526	ref NM_001033634 gb AK034007 riken J9330140A08 nap NAP011487-001
Hmgn2	A_52_P149864	ref NM_016957 ref XM_001473104 ref XM_001477164 ref XM_001476615
H2-Q8	A_52_P152133	ref NM_023124 ref XM_001471706 gb AK013097 riken 2810417A05
1810074P20Rik	A_52_P153333	ref NM_026194 ens ENSMUST00000102994 ens ENSMUST00000038705 gb BC132195
Klhdca4	A_52_P153967	ref NM_145605 ens ENSMUST00000045884 gb AK089954 gb AK161674
Spg7	A_52_P162775	ref NM_153176 ens ENSMUST00000108868 ens ENSMUST00000108871 gb AK177602
5430405H02Rik	A_52_P16346	gb AK012005 riken 2610307N17 nap NAP092133-1 tc TC1600253
Dnm3	A_52_P164286	ref NM_001038619 ref NM_172646 ens ENSMUST00000086074 ens ENSMUST00000070330
Ppp1r2	A_52_P164615	ref NM_025800 ref NR_003650 ref NM_484582 ref XM_001474700
Tmem8	A_52_P167382	ref NM_021793 ens ENSMUST00000025010 gb AK079893 gb AB045293
Homer2	A_52_P176573	ref NM_011983 ref NM_001164087 ens ENSMUST00000026922 gb AJ012076
	A_52_P176983	ens ENSMUST00000049565 gb AK035647 gb AK079280 riken J933008O11
1200009O22Rik	A_52_P177847	ref NM_025817 gb AK039757 gb AK033401 gb AK122338
Slc1a2	A_52_P178651	ref NM_001077514 ref NM_001077515 ens ENSMUST00000080210 ens ENSMUST00000111206
Eif5a2	A_52_P181759	ref NM_177586 ens ENSMUST00000060500 gb AY205265 nap NAP033724-1
	A_52_P186373	nap NAP032447-1 tc TC1634701
Dctn4	A_52_P193104	gb AK162552 gb AK003238 gb AK089264 riken 1110001K06
Arap3	A_52_P195018	ref NM_139206 ens ENSMUST00000042944 gb AK220486 gb BC026945
4930555G01Rik	A_52_P195235	ref NM_175393 ref XM_001475922 ref XM_001477839 ref XM_891048
Nek6	A_52_P196732	ref NM_021606 ref NM_001159631 ens ENSMUST00000112895 ens ENSMUST00000054234
Col9a3	A_52_P197963	ref NM_009936 ens ENSMUST00000103059 gb BC115437 gb X91012
Erdr1	A_52_P197965	gb AJ539223 tc NP598082
E130303B06Rik	A_52_P202259	ref NM_198299 ens ENSMUST00000013299 gb AK087475 gb BC018168
Map4k2	A_52_P204689	ref NM_009006 gb BC116286 gb U050595 gb BC116287
Pop4	A_52_P206492	ref NM_025390 ens ENSMUST00000032585 gb AK003908 gb AK150459
Zfp422	A_52_P206762	ref NM_026057 ens ENSMUST00000079749 ens ENSMUST00000112880 ens ENSMUST00000057540
Tmem88	A_52_P209484	ref NM_025915 ens ENSMUST00000050140 gb AK010789 gb AK011240
A030001D20Rik	A_52_P209578	gb AK003910 gb AK037147 riken 1110025D03 riken A030001D20
Cul9	A_52_P213036	gb BC041674 nap NAP019611-001 tc TC1596517
Inpp5f	A_52_P213561	ref NM_178641 ens ENSMUST00000106219 ens ENSMUST00000043138 ens ENSMUST00000118605
	A_52_P218590	nap NAP034466-1 tc TC1647096
Tbctd2	A_52_P218765	ref NM_198664 ref XM_001474286 ref XM_001474309 ens ENSMUST00000084621
DB30030K20Rik	A_52_P218930	ref NM_177135 ref XM_001475600 ref XM_001475847 ref XM_001477400
Gpr34	A_52_P220275	ref NM_011823 ens ENSMUST00000041708 ens ENSMUST00000096492 gb DQ103765
Tgm2	A_52_P220879	ref NM_009373 ens ENSMUST00000103122 gb AK143712 gb AK169356
Repin1	A_52_P221887	ref NM_175099 ref NM_001079901 ref NM_001079902 ref NM_001079903
Map3k6	A_52_P222775	ref NM_016693 ens ENSMUST00000030677 gb BC125577 gb BC120565
	A_52_P225700	ens ENSMUST00000113326 ens ENSMUST00000113324 ens ENSMUST00000113328 gb AK033622
Rnf112	A_52_P22696	ref NM_009548 ens ENSMUST00000060255 ens ENSMUST00000054927 ens ENSMUST00000102661
Limch1	A_52_P229278	ref NM_001001980 ens ENSMUST00000119854 ens ENSMUST00000118242 ens ENSMUST00000117601
Ly6c1	A_52_P230938	ref NM_010741 ref NM_001099217 ref XM_001475001 ens ENSMUST00000065408
	A_52_P232346	nap NAP103909-1 tc TC1708996

Supplementary Table 2
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Vps35	A_52_P235108	ref NM_022997 ens ENSMUST00000034131 gb AK160547 gb AK142382
Dpy19l3	A_52_P237102	ref NM_178704 gb AK085462 riken D630029P09 nap NAP020869-001
Fuz	A_52_P24206	gb BC045601 gb AK011195 riken 2600013E07 nap NAP014553-001
Spon1	A_52_P242321	ref NM_145584 gb AK084717 riken D330035F22 nap NAP122173-001
Abhd2	A_52_P24280	ref NM_018811 ens ENSMUST00000037315 gb AF201730 gb AK016296
Hsd17b12	A_52_P243599	ref NM_019657 ens ENSMUST00000028619 gb AF064635 gb AK150849
Ncoa6	A_52_P245487	ref NM_019825 ens ENSMUST00000043126 ens ENSMUST00000109670 gb AK144338
Cdc42	A_52_P249443	ref NM_009861 ens ENSMUST00000030417 ens ENSMUST00000051477 gb M79301
Tmem37	A_52_P25141	ref NM_019432 ens ENSMUST00000056089 gb AJ272046 gb AK002424
Uevld	A_52_P253120	ref NM_001040695 ens ENSMUST00000094398 gb AK080186 gb AK155685
Maz	A_52_P253843	ref NM_010772 ens ENSMUST00000032916 ens ENSMUST00000106323 gb BC004758
Gm5662	A_52_P2540	ref NM_001013824 ref NM_001122662 ref NR_003629 ref XM_994314
Cd200	A_52_P254095	ref NM_010818 ens ENSMUST00000023341 gb AK148308 gb BC0051984
Stk19	A_52_P254607	ref NM_019442 ens ENSMUST00000077477 gb AK146739 gb AK168865
	A_52_P256507	ens ENSMUST00000107980 ens ENSMUST00000107981 ens ENSMUST00000108013 nap NAP103527-1
Hist2h2ac	A_52_P257377	ens ENSMUST00000090782 nap NAP113398-1
9830001H06Rik	A_52_P257919	ref NM_001164663 ens ENSMUST00000069098 gb AK031493 gb AK147227
Pnkp	A_52_P257987	ref NM_021549 ens ENSMUST00000030444 ens ENSMUST00000085410 ens ENSMUST00000098478
Cacna1c	A_52_P25903	ref NM_001159533 ref NM_001159534 ref NM_001159535 ref NM_009781
Tbl1x	A_52_P260592	ref NM_020601 gb AK038674 gb AK219478 gb AK031937
Rnase4	A_52_P262511	ref NM_021472 ref NM_201239 ens ENSMUST00000022428 gb BC005569
Zfp593	A_52_P262914	ref NM_024215 ens ENSMUST000000116281 ens ENSMUST00000030644 gb AK005247
Zfp507	A_52_P268287	ref NM_177739 ens ENSMUST00000061586 gb AY512959 gb AK129283
Ssr1	A_52_P274028	ref NM_025965 gb AK078039 riken 6330400D04 nap NAP034355-1
Thap2	A_52_P277378	gb AK081406 riken C130014K08 nap NAP093936-001 tc TC1605447
Daglb	A_52_P277394	gb AK081509 riken C130025A20 nap NAP121638-001 tc TC1623592
Mapre3	A_52_P278448	ref NM_133350 ens ENSMUST00000031058 ens ENSMUST00000114724 gb AK210919
Glg1	A_52_P279759	gb AK050772 riken D030018I01
	A_52_P280821	nap NAP123201-1
Ubtf	A_52_P281879	ref NM_011551 ref NM_001044383 ens ENSMUST00000079589 ens ENSMUST00000006754
Gm14326	A_52_P283378	ref XM_902322 ens ENSMUST00000108940 ens ENSMUST00000108937 ens ENSMUST00000108939
Zc3h7b	A_52_P283501	ref NM_001081016 ens ENSMUST00000109554 gb AK147484 gb AK171949
H2afj	A_52_P286488	ref NM_177688 gb AK053755 gb AW490391 riken E130307C13
Tmem204	A_52_P288251	ref NM_001001183 ens ENSMUST00000024984 gb AK146008 gb BC043726
E130203B14Rik	A_52_P292213	ref NM_178791 ens ENSMUST00000100721 ens ENSMUST00000053175 gb BC107254
Rpl41	A_52_P295201	ref NM_018860 ens ENSMUST00000073238 gb U93862 gb BC145727
Taf9	A_52_P302977	ref NM_001015889 ref NM_027139 ref XM_001001824 ref XM_620010
Tecpr1	A_52_P303650	gb AK040462 riken A430099H23 nap NAP094283-001
Plxnb1	A_52_P308465	ref NM_172775 ens ENSMUST00000072093 gb BC150701 gb AB072381
Lonrf2	A_52_P311263	gb AK013739 gb BC096025 gb AK132156 gb AW049596
Gm10601	A_52_P311999	ref XM_001478493 gb BC059060 gb AK085142 gb AK051496
4930452B06Rik	A_52_P313523	ref NM_028934 ens ENSMUST00000102996 gb AK133893 gb BC064468
Tcf25	A_52_P319581	ref NM_001037878 ens ENSMUST00000057934 ens ENSMUST00000108839 gb AK150918
	A_52_P323975	ens ENSMUST00000095222 gb AK084031 riken D130077P12 nap NAP085719-1
1110020A21Rik	A_52_P32453	ref NR_027930 gb AK011222 riken 2600015P10 tc TC1666714
2700046G09Rik	A_52_P324656	ref NR_033198 ens ENSMUST00000025824 gb AK035700 gb AK012385
Palm	A_52_P325444	ref NM_023128 ref NM_001161747 ens ENSMUST00000046945 ens ENSMUST00000105379
Kcna4	A_52_P326513	ref NM_021275 ens ENSMUST00000111060 ens ENSMUST00000037012 gb BC109014
Hcfc2	A_52_P32683	gb AK040565 riken A430106M23 nap NAP002335-001 tc TC1597970
2610002J23Rik	A_52_P328116	gb AK164857 gb AK082538 riken C230060L03 riken D930027A02
Wdfy1	A_52_P328825	ref NM_001111279 ens ENSMUST00000097685 ens ENSMUST00000113512 ens ENSMUST00000113513
Lix1	A_52_P329443	ref NM_025681 ens ENSMUST00000115576 ens ENSMUST00000097389 gb BC052700
Tlod1	A_52_P331215	gb AK161721 riken 5830414K04 nap NAP033225-1 tc TC1717747
	A_52_P33147	ens ENSMUST00000111749 ens ENSMUST00000111748 gb AK086149 gb AK042703
Brd9	A_52_P331523	ref NM_001024508 ens ENSMUST00000099384 gb AK142152 gb AK154645
Eif1a	A_52_P331911	ref NM_010120 gb AK150673 gb AK150677 gb AK019451
	A_52_P336513	nap NAP068580-1 nap NAP029859-1
Matr3	A_52_P336825	ref NM_010771 ens ENSMUST00000041514 gb BC029070 gb AK135937
Isl1	A_52_P337246	ref NM_021459 ens ENSMUST00000036060 gb AK090263 riken G630030I18
Lrrc2	A_52_P33831	ref NM_027164 ens ENSMUST00000016124 gb AK165593 gb AK009798
Neur1a	A_52_P339011	ref NM_021360 ref NM_001163480 ref XM_001480772 ref XM_001480766
Kpna4	A_52_P343690	ref NM_008467 ens ENSMUST00000029353 gb AK004292 gb BC026821
Tfb1m	A_52_P345247	ref NM_146074 ens ENSMUST00000041003 gb BC032930 nap NAP121265-001
Ccdc37	A_52_P345301	ref NM_173775 ens ENSMUST00000062750 gb BC047211 gb AK048790
Atpaf1	A_52_P346438	gb AK032020 gb BE655391 riken 6330547J17 nap NAP096696-001
Glt25d1	A_52_P346581	ref NM_146211 ens ENSMUST00000047903 gb AK035788 gb AK076103
Gm14288	A_52_P347803	ref NM_001033123 ens ENSMUST00000109051 ens ENSMUST00000109020 ens ENSMUST00000108926
AU022252	A_52_P347847	gb BC035522 gb BC055790 nap NAP121419-001 tc TC1601468
Gria4	A_52_P349182	ref NM_019691 ref NM_001113181 ref NM_001113180 ref XM_001471700
Tagln2	A_52_P35240	ref NM_178598 ens ENSMUST00000112323 ens ENSMUST00000112303 gb AK019231
Clec4a2	A_52_P353698	ref NM_011999 ref NM_001170333 ref NM_001170332 ref NM_027218
	A_52_P36191	nap NAP031150-1 tc TC1707343
Rab3b	A_52_P362161	ref NM_023537 ens ENSMUST0000003502 ens ENSMUST00000106651 ens ENSMUST00000106650
Rpgr	A_52_P365294	ref NM_011285 ens ENSMUST00000115530 ens ENSMUST00000115531 ens ENSMUST00000115539
Lrrc4c	A_52_P365660	ref NM_178725 ens ENSMUST00000059049 gb AK048322 gb AK032088
Tmem100	A_52_P368306	ref NM_026433 ens ENSMUST00000092788 gb AK007878 gb AK003574

Supplementary Table 2
(Continued)

Zfp9	A_52_P372013	reflNM_011763 ens ENSMUST00000112838 gb AK029052 gb BC059273
Plaa	A_52_P373782	reflNM_172695 ens ENSMUST00000107107 gb AK085027 riken D430026H23
Kdm5a	A_52_P374669	reflNM_145997 ens ENSMUST00000100996 ens ENSMUST00000005108 gb AK134200
Ap1s3	A_52_P377576	ens ENSMUST00000067229 gb BC054111 gb BE371703 tc TC1582600
Podxl	A_52_P380263	reflNM_013723 ens ENSMUST00000026698 gb AF290209 gb BC052442
Srbd1	A_52_P380460	reflNM_030133 reflXM_001479682 reflXM_001480810 ens ENSMUST000000043323
Zfp748	A_52_P380465	reflNM_001035231 ens ENSMUST00000091522 gb AK132196 gb BC055310
LOC100046168	A_52_P380997	reflXM_001475723 ens ENSMUST00000025293 gb AK050560 gb BC020359
Tia1	A_52_P381009	gb AK009502 gb AK009914 riken 2310026D05 riken 2310050N03
Btbd17	A_52_P381553	reflNM_028055 ens ENSMUST0000000206 gb AK032100 gb AK005160
Nat5	A_52_P38317	gb AK046153 riken B230345H17 tc TC1767749 tc TC1629707
Sox2ot	A_52_P389324	reflNR_015580 gb AK045614 gb AK031826 gb BC057611
Daam2	A_52_P390241	reflNM_001008231 ens ENSMUST00000057610 ens ENSMUST00000086917 gb AK122266
Kbtbd11	A_52_P394448	reflNM_029116 reflXM_001474596 reflXM_001474229 ens ENSMUST00000058886
Pcdh15	A_52_P395088	reflNM_001142746 reflNM_001142760 ens ENSMUST00000105430 gb AK034124
Golga7	A_52_P398018	gb AK089856 gb BC064083 riken F830033L24 nap NAP072825-1
B4gal2	A_52_P399990	reflNM_017377 ens ENSMUST00000106421 ens ENSMUST00000030266 gb BC145335
Med20	A_52_P402319	reflNM_020048 ens ENSMUST00000024778 gb AK146345 gb AK003617
Hspb1	A_52_P404533	reflNM_013560 ens ENSMUST00000005077 ens ENSMUST00000111156 ens ENSMUST00000111155
Txnl4a	A_52_P407145	reflNM_025299 gb AK004039 gb AK148287 gb AK166497
H2afj	A_52_P407692	reflNM_177688 ens ENSMUST00000074556 gb BC024397 gb BC099606
Jazf1	A_52_P408411	reflNM_001168277 reflNM_173406 gb AK047180 gb BY468161
Fgf10	A_52_P42269	reflNM_008002 ens ENSMUST00000022246 gb AK141633 gb BC048229
Cox8b	A_52_P423814	reflNM_007751 ens ENSMUST00000026561 gb AK003116 gb U15541
Lrrtm4	A_52_P424206	gb AK032470 gb BC037216 riken 6430558H08 nap NAP116396-1
Slc15a2	A_52_P426605	gb AK018393 gb BC051199 gb BC018335 riken B430408C16
Nacc1	A_52_P430247	reflNM_025788 ens ENSMUST00000001975 gb AK008006 gb AK082795
Slc38a1	A_52_P430462	reflNM_134086 reflNM_001166458 reflNM_001166456 gb AK162429
Dcun1d1	A_52_P430934	reflNM_033623 reflXM_001476879 ens ENSMUST00000121632 ens ENSMUST00000099528
Slc39a12	A_52_P432963	reflNM_001012305 ens ENSMUST00000082290 ens ENSMUST00000114731 gb BC113764
Acin1	A_52_P434549	reflNM_023190 reflNM_001085473 ens ENSMUST00000111484 ens ENSMUST00000022793
Asah2	A_52_P436643	reflNM_018830 ens ENSMUST000000096119 gb AB037181 gb AK135485
A730017C20Rik	A_52_P437792	reflNM_173759 reflNM_001167925 reflNM_001167926 reflNM_001167927
Sema3e	A_52_P439407	reflNM_011348 ens ENSMUST00000073957 gb AK032603 riken 6430702L12
	A_52_P440729	ens ENSMUST00000066689 gb AK035245 gb AK011885 gb AK050961
Etnk1	A_52_P446011	reflNM_029250 ens ENSMUST00000032413 gb AK044502 gb AK049827
Mars	A_52_P44760	reflNM_001003913 ens ENSMUST00000037290 gb AK197362 gb AK204191
BC011426	A_52_P449947	reflNM_145490 ens ENSMUST00000054780 gb BC138466 gb BC138467
Fgf11	A_52_P454815	ens ENSMUST00000102585 ens ENSMUST00000108637 ens ENSMUST00000011285 gb BC066859
Aph1b	A_52_P456750	reflNM_177583 ens ENSMUST00000034934 gb AK028521 gb AK154847
Hspa12a	A_52_P460422	reflNM_175199 ens ENSMUST00000066285 gb BC030362 gb AB093239
C77370	A_52_P462472	reflNM_001077354 ens ENSMUST00000087879 ens ENSMUST00000056502 ens ENSMUST00000118314
Tmem140	A_52_P463977	reflNM_197986 ens ENSMUST00000074949 gb AK003535 gb BC023802
Wwp1	A_52_P464570	reflNM_177327 ens ENSMUST00000035982 ens ENSMUST00000108246 gb AK042432
Slc35d3	A_52_P467488	reflNM_029529 ens ENSMUST00000059805 gb AK042761 gb AK044973
Tchh	A_52_P468068	reflNM_001163098 ens ENSMUST00000064257 gb AK132147 riken 3221403E08
Gcc2	A_52_P469939	reflNM_027375 ens ENSMUST00000057659 gb AK011206 gb EF410116
Khdrbs2	A_52_P470037	ens ENSMUST00000027226 gb AK048524 gb AK078160 gb AK163517
Fcho1	A_52_P472233	reflNM_028715 reflNR_028267 ens ENSMUST00000093444 ens ENSMUST00000098632
Slpi	A_52_P472324	reflNM_011414 ens ENSMUST00000109367 gb AK010170 gb BC028509
Rab8b	A_52_P477286	reflNM_173413 ens ENSMUST000000041139 gb BC157974 gb AK031251
Mnt	A_52_P477431	reflNM_010813 ens ENSMUST00000000291 gb AK014288 gb AK147933
	A_52_P486910	nap NAP044523-1 tc TC1756779
Ap1s2	A_52_P488596	reflNM_026887 ens ENSMUST00000033734 ens ENSMUST00000069041 ens ENSMUST00000112294
Fam169a	A_52_P488623	reflNM_001100458 reflNM_001146045 ens ENSMUST00000042517 gb AK033380
Lima1	A_52_P488640	reflNM_023063 reflNM_001113545 ens ENSMUST00000073691 ens ENSMUST00000109024
Dgkb	A_52_P488828	reflNM_178681 ens ENSMUST00000072865 ens ENSMUST00000040500 gb BC070461
Sbx4a	A_52_P492901	reflNM_009294 ens ENSMUST00000033075 gb AK145909 gb AK161971
Tcea1	A_52_P493079	gb M18209 gb E01918
Atrn	A_52_P500244	reflNM_009730 ens ENSMUST00000028781 gb AK146500 riken I920015J12
Pmpca	A_52_P504302	reflNM_173180 ens ENSMUST00000076431 gb AK158990 gb AK147110
Ankib1	A_52_P504330	reflNM_001003909 ens ENSMUST00000043551 gb BC089031 gb AK010017
Rpgrip1	A_52_P507488	reflNM_023879 reflNM_001168515 ens ENSMUST00000111603 ens ENSMUST00000111600
Itf172	A_52_P509906	reflNM_026298 ens ENSMUST00000041565 gb AY339616 gb AK122461
Slc35a5	A_52_P51198	reflNM_028756 ens ENSMUST00000023344 gb AK085567 gb AK030566
	A_52_P515840	ens ENSMUST00000108425 gb AK052795 gb BB506376 riken D730007L14
Tmeff2	A_52_P517029	reflNM_019790 ens ENSMUST00000081851 gb AK029307 riken 4832418D20
Tagln	A_52_P517683	reflNM_011526 ens ENSMUST00000034590 gb L141154 gb AK002880
Ltk	A_52_P519783	reflNM_203345 reflNM_206942 reflNM_206941 reflNM_008523
	A_52_P520429	ens ENSMUST00000108923 ens ENSMUST00000108975 ens ENSMUST00000109011 ens ENSMUST00000109036
Leo1	A_52_P52128	reflNM_001039522 ens ENSMUST00000048937 gb BC082540 gb BC083358
	A_52_P521607	nap NAP027343-1 nap NAP097908-001
Tmem44	A_52_P522397	gb AK031524 riken 6030447F10 nap NAP075624-1
Zfp846	A_52_P52272	reflNM_172919 ens ENSMUST00000060063 ens ENSMUST00000115557 gb AK008693
Sema3a	A_52_P527748	reflNM_009152 reflXM_001471621 ens ENSMUST00000030714 ens ENSMUST00000115328
Atp8a1	A_52_P534844	reflNM_001038999 reflNM_009727 ens ENSMUST00000037380 ens ENSMUST00000113656

Supplementary Table 2
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Zdhhc24	A_52_P537140	gb AK047235 gb BB257901 riken B930041B10 nap NAP083606-1
6720456H20Rik	A_52_P54325	ref NM_172600 ens ENSMUST00000111735 ens ENSMUST00000037990 gb BC046454
4931406C07Rik	A_52_P544596	ref NM_133732 ens ENSMUST00000034414 gb AK016432 gb AK133192
Sfrs4	A_52_P550780	ref NM_020587 ens ENSMUST00000053819 ens ENSMUST00000030743 gb AK077648
	A_52_P555079	nap NAP111629-1 nap NAP111794-1
Arl6	A_52_P559126	ref NM_019665 ens ENSMUST00000118438 ens ENSMUST00000023405 ens ENSMUST00000099646
Ifitm2	A_52_P559618	ref NM_030694 ref XM_357752 ref XM_914983 ref XM_905410
Serhl	A_52_P560728	ref NM_023475 ens ENSMUST00000078218 gb AK003827 gb AK002313
Vwa1	A_52_P561650	ref NM_147776 ens ENSMUST00000042196 gb AK039219 gb AK077240
Taok2	A_52_P566005	ref NM_001163774 gb AK129235 gb AK004069 riken 1110033K02
Acss2	A_52_P566718	ref NM_019811 ens ENSMUST00000103142 ens ENSMUST00000029135 ens ENSMUST00000109657
Cbx6-Nptxr	A_52_P567167	ref NM_001013362 ref NM_001013360 ref NM_030689 ens ENSMUST00000023057
Foxp2	A_52_P56818	ref NM_053242 ref NM_212435 ens ENSMUST00000115477 ens ENSMUST00000031545
Nxn	A_52_P57013	ref NM_008750 ref XM_001476728 ens ENSMUST00000021204 gb AK012352
Ptms	A_52_P571290	ref NM_026988 ens ENSMUST00000032216 ens ENSMUST00000112444 gb BC052052
Myo1a	A_52_P571607	ref NM_001081219 ens ENSMUST00000079590 gb BC147605 gb BC147612
Fam169a	A_52_P57171	gb AK035190 gb AK045386 gb AK083815 gb BG093586
Agpat5	A_52_P572447	ref NM_026792 ens ENSMUST00000033847 gb AK0206671 gb AY161042
Gm9387	A_52_P575668	ref XM_001003884 ref XM_982491 nap NAP097103-001
Ccr5	A_52_P578732	ref NM_009917 ens ENSMUST00000111442 gb AK170303 gb D83648
Wastf2	A_52_P581440	ref NM_153423 gb AK085458 gb BC030464 gb AK172187
H2-gs10	A_52_P582814	ref NM_001143689 ref XM_903697 ens ENSMUST00000113874 ens ENSMUST00000081435
Kcna5	A_52_P58283	ref NM_145983 gb AF108659 gb BC021787 gb L22218
Csnk1g2	A_52_P584975	ref NM_134002 ref NM_001159591 ens ENSMUST00000079773 ens ENSMUST00000085435
Amn1	A_52_P588262	ref NM_001113424 ref XM_132975 ref XM_921354 ref XM_921360
2210015D19Rik	A_52_P588917	gb BC052911 gb BC094935 nap NAP037945-1 tc TC1599819
Gm6436	A_52_P589148	ref XM_001001941 ref XM_887972 ref XM_904186 nap NAP096448-001
Vars2	A_52_P590235	ref NM_175137 gb BC057036 gb AK173288 gb AK159301
Tfpi	A_52_P592007	ref NM_011576 ens ENSMUST00000111717 ens ENSMUST00000111712 ens ENSMUST00000111722
Ppargc1a	A_52_P5945	ref NM_008904 ref NR_027710 gb AK032149 gb AK043827
Pip4k2c	A_52_P594917	ref NM_054097 ens ENSMUST00000013970 gb AK185518 gb AK218904
Mrpl47	A_52_P595537	gb BC029173 tc TC1638364
	A_52_P596357	gb AK054546 riken E330039N10 tc TC1613381
1190007I07Rik	A_52_P598634	ref NM_001135567 ref NM_001135568 ref NM_001135569 ens ENSMUST00000079648
Zfp39	A_52_P600535	ref NM_011758 ens ENSMUST00000102703 gb AK141135 gb BC011182
Src	A_52_P600547	ref NM_009271 ref NM_001025395 ens ENSMUST00000109533 ens ENSMUST00000092576
Csf1r	A_52_P602091	ref NM_001037859 ens ENSMUST00000025523 ens ENSMUST00000115268 gb AK154128
Nkrf	A_52_P602898	ref NM_029891 ens ENSMUST00000057093 gb AK079123 gb BC095972
Rhobtb1	A_52_P614517	ref NM_001081347 ens ENSMUST00000020101 ens ENSMUST00000067908 gb AK014194
	A_52_P615658	nap NAP032196-1 tc TC1642195
Lrch2	A_52_P616659	ref NM_001081173 ens ENSMUST00000112819 ens ENSMUST00000035921 ens ENSMUST00000033647
Pdpk1	A_52_P619138	ref NM_011062 ref NM_001080773 ens ENSMUST00000115411 ens ENSMUST00000052462
Gramd3	A_52_P619738	ref NM_026240 ens ENSMUST00000070166 gb AK004147 gb BB073624
Anxa2	A_52_P62037	ref NM_007585 ens ENSMUST00000034756 gb AK146096 gb AK165888
Pdcl3	A_52_P622442	ref NM_026850 ens ENSMUST00000027247 gb AK168509 gb AK004334
Car8	A_52_P625118	ref NM_007592 ref XM_001473032 ens ENSMUST00000066674 ens ENSMUST00000098290
Gtf3c3	A_52_P632093	ref NM_001033194 ens ENSMUST00000041638 gb BC141157 gb AK165830
Zfp811	A_52_P632601	ref NM_183177 ens ENSMUST00000080905 gb BC052046 nap NAP060328-1
Nodal	A_52_P633560	ref NM_013611 ens ENSMUST00000049339 gb X70514 gb AK049290
Rras	A_52_P635182	ref NM_009101 ens ENSMUST00000044111 gb BC110562 gb BC110563
Stam	A_52_P640204	ref NM_011484 ens ENSMUST00000028050 ens ENSMUST00000102960 ens ENSMUST00000114738
Camta1	A_52_P642005	ref NM_001081557 ref NM_001166021 ens ENSMUST00000105668 ens ENSMUST00000105670
Aph1c	A_52_P643172	ref NM_026674 gb BC050923 gb BC063254
Cul9	A_52_P644210	gb AK019026 gb AK039107 gb BC026469 riken 1810035I07
Sec24a	A_52_P6451	ref NM_175255 ens ENSMUST00000109094 ens ENSMUST00000109097 gb AK090341
Gorab	A_52_P648573	ref NM_178883 ens ENSMUST00000045138 gb AK170455 gb AK043953
Gm9174	A_52_P649285	ref XM_001001520 ref XM_985582 gb AK008199 riken 2010012C09
Strap	A_52_P650379	ref NM_011499 ens ENSMUST00000064910 gb AK147179 gb AK154158
Thns1	A_52_P65268	ref NM_177588 ref NM_001001297 ens ENSMUST00000102951 ens ENSMUST00000102952
	A_52_P653054	nap NAP007796-001
Rpl21	A_52_P653937	ref NM_019647 gb AK018480 riken 8430440E03 nap NAP093633-001
BC030336	A_52_P655948	ref NM_001164580 gb AK148546 gb AK164547 gb AK162324
Snhg3	A_52_P661071	ref NR_003270 gb AJ006837 gb AK076188 gb BC100513
P4ha2	A_52_P663413	ref NM_011031 ref NM_001136076 ens ENSMUST00000019050 ens ENSMUST00000093107
Cul1	A_52_P664699	ref NM_012042 ens ENSMUST00000031697 gb AK164274 gb BC004836
Kank2	A_52_P668514	ref NM_145611 ens ENSMUST00000034717 ens ENSMUST00000086340 gb AK031324
Ebag9	A_52_P670874	ref NM_019480 ens ENSMUST00000022964 gb AY009091 gb AK004366
Araf	A_52_P673489	ref NM_001159645 ens ENSMUST00000120356 ens ENSMUST00000122312 gb AK133797
Tmem209	A_52_P673530	ref NM_178625 gb AK012607 gb AF408433 gb BC057109
	A_52_P675887	nap NAP071783-1 nap NAP057944-1 nap NAP059332-1
Tgtp	A_52_P676510	ref NM_011579 ref NM_001145164 ens ENSMUST00000068063 ens ENSMUST00000046745
Wsb2	A_52_P683572	ref NM_021539 ens ENSMUST00000031309 ens ENSMUST00000111959 gb AK157999
Atg4c	A_52_P683728	ref NM_175029 ref NM_001145967 ref XM_001471854 ens ENSMUST00000030279
4930539J05Rik	A_52_P684920	gb AK053308 gb AK050124 gb AK052426 riken C730018K14
Slc25a26	A_52_P71544	ref NM_026255 gb BC049899 gb BC019170 nap NAP123724-1
	A_52_P74524	ens ENSMUST00000070897 gb AK038227 riken A130088E03 nap NAP124631-1

Supplementary Table 2
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	A_52_P76629	gb AK148746 riken 7120442D10 nap NAP053276-1 tc TC1670231
	A_52_P77643	gb BC131795 nap NAP115012-1 nap NAP115016-1 nap NAP114993-1
Nckap1	A_52_P7948	ref NM_016965 ens ENSMUST00000111760 ens ENSMUST00000028386 ens ENSMUST00000111759
2810001G20Rik	A_52_P81630	ref XM_001474349 ref XM_001476904 gb AK012631 gb AK007927
Gadd45gip1	A_52_P85020	ref NM_183358 gb AK028227 riken 2810429D03 tc TC1576749
Kcnc1	A_52_P867058	ref NM_001112739 ens ENSMUST00000025202 gb AK079373 riken 9630047A19
Fam107a	A_52_P87900	ref NM_183187 ens ENSMUST00000036070 ens ENSMUST00000121887 gb AK083253
Slc6a7	A_52_P88007	ref NM_201353 ens ENSMUST00000025520 gb AK141581 gb BC050103
	A_52_P883920	gb AK043458 riken A730097D08 nap NAP082551-1 tc TC1616648
Bcl11b	A_52_P925277	ref NM_001079883 ref NM_021399 ens ENSMUST00000066060 ens ENSMUST00000109891
	A_52_P932813	gb AK140658 riken B930073D03 riken D930019G21 tc TC1713239
Xiap	A_52_P933175	ref NM_009688 ens ENSMUST00000115095 ens ENSMUST00000026978 ens ENSMUST00000115094
St8sia3	A_52_P940524	ref NM_009182 ens ENSMUST00000074935 gb BC075645 tc TC1633508
Pcm1	A_52_P94055	ref NM_023662 ens ENSMUST00000045218 ens ENSMUST00000045199 gb AK011147
Camk4	A_52_P94516	ref NM_009793 ens ENSMUST00000042868 gb AK043114 gb X58995
Scoc	A_52_P96587	ref NM_019708 ref NM_001039137 ref XM_001473935 ens ENSMUST000000081506
Pik3cd	A_52_P99848	ref NM_008840 ref NM_001164051 ref NM_001164049 ref NM_001164050

Supplementary Table 2
(Continued)

HP 6m		
Symbol	Agilent probe	Accessions
Pls1	A_51_P101347	ref NM_001033210 gb AK030875 gb BC026410 riken 5830436M20
Myc	A_51_P102096	ref NM_010849 ens ENSMUST00000022971 gb AK133952 gb X01023
Gnal1	A_51_P102809	ref NM_008136 ens ENSMUST00000087200 gb X65026 gb BC129969
Lypd6b	A_51_P105068	ref NM_027990 ens ENSMUST00000028103 gb AK009282 riken 2310010M24
Nomo1	A_51_P105520	ref NM_153057 ens ENSMUST00000033121 gb AK082495 gb AK142338
Rasl12	A_51_P105927	ref NM_001033158 ens ENSMUST00000085453 gb AK171623 gb AK087136
Mcf2l	A_51_P107658	ref NM_178076 ref NM_001159485 ens ENSMUST00000095456 ens ENSMUST00000033819
Cetn4	A_51_P108990	ref NM_145825 ens ENSMUST00000102955 ens ENSMUST00000071400 ens ENSMUST00000075537
C3	A_51_P110301	ref NM_009778 ens ENSMUST00000024988 gb K02782 gb BC043338
Nudt19	A_51_P111952	ref NM_033080 ens ENSMUST00000040962 gb X04097 gb K03414
Slc7a8	A_51_P112734	ref NM_016972 ens ENSMUST00000022787 gb AK136752 gb Y19022
Col17	A_51_P114462	ref NM_011332 ens ENSMUST00000034232 gb AJ242587 gb AF125570
Ctnx3	A_51_P115953	ref NM_001134697 ens ENSMUST00000091892 gb AK042789 riken A730024G14
A330021E22Rik	A_51_P116601	ref NM_172447 gb BC062906 gb BC050971 gb AK076835
2700049A03Rik	A_51_P118539	ref NM_001163378 ref NM_029818 ens ENSMUST00000045907 gb AK012399
Naa30	A_51_P119031	ref NM_001081430 ens ENSMUST00000037362 gb AK044235 gb AK017805
	A_51_P119749	ens ENSMUST00000119483 gb AK084541 gb AK004253 gb AV303766
Mkks	A_51_P121288	ref NM_021527 ref NM_001141946 ens ENSMUST00000116405 ens ENSMUST00000110089
Il33	A_51_P122321	ref NM_133775 ref NM_001164724 ens ENSMUST00000025724 ens ENSMUST00000120388
Nkd1	A_51_P124285	ref NM_027280 ref NM_001163660 ref XM_909079 ens ENSMUST00000034086
Pvrl3	A_51_P125009	ref NM_021495 ens ENSMUST00000023334 ens ENSMUST00000121245 gb AK011949
Pop4	A_51_P125117	ref NM_025390 ens ENSMUST00000032585 gb AK003908 gb AK150459
Hars	A_51_P125368	ref NM_008214 ens ENSMUST00000001416 gb U39473 gb AK088824
Zfp503	A_51_P126626	ref NM_145459 ens ENSMUST00000043409 gb AK046771 gb AK032903
Zfp84	A_51_P128775	ref NM_023750 ens ENSMUST00000032802 gb AK008890 riken 2210410P13
Rhpn2	A_51_P135012	ref NM_027897 ens ENSMUST00000085556 ens ENSMUST00000032705 gb AK004849
Csnk1d	A_51_P136277	ref NM_027874 ref NM_139059 ens ENSMUST00000070575 ens ENSMUST00000018274
Cyp4f15	A_51_P136303	ref NM_134127 ens ENSMUST00000008801 gb BC021377 gb AF233645
	A_51_P137707	gb AV065344
Secisbp2l	A_51_P139578	ref NM_177608 ens ENSMUST00000053699 gb BC013723 gb BC060171
Ubr2	A_51_P144575	ref NM_146078 ens ENSMUST00000113335 ens ENSMUST00000113337 ens ENSMUST00000075833
Rnf14	A_51_P145533	ref NM_020012 ref NM_001164621 ref NM_001164622 ens ENSMUST00000072376
Cdkn1b	A_51_P146126	ref NM_009875 ens ENSMUST00000003115 gb AK169586 gb AK154276
Slain1	A_51_P147284	ref NM_198014 ens ENSMUST00000069443 gb AK036190 gb BC079866
Mxd4	A_51_P148865	ref NM_010753 ens ENSMUST00000042701 ens ENSMUST00000119171 gb U32395
Zfp672	A_51_P155174	ref NR_028331 ens ENSMUST00000064786 gb AK019676 gb AK008471
	A_51_P159503	ens ENSMUST00000093902 gb AK077880 gb AK173199 gb BC038025
Elfn2	A_51_P162083	ref NM_183141 ens ENSMUST00000088592 gb AK031970 gb AK173294
Slco4a1	A_51_P163038	ref NM_148933 ens ENSMUST00000038259 ens ENSMUST00000038225 gb AK172688
Gm6985	A_51_P163261	ref XM_894481 ref XM_904477 nap NAP025970-1
Mrpl33	A_51_P165330	ref NM_025796 ens ENSMUST000000031024 gb AB049651 gb AK002421
Ttc5	A_51_P166325	ref NM_001080949 ref XM_001003884 ref XM_982491 ens ENSMUST00000006451
Rpp14	A_51_P167273	gb AK016631 riken 4933403E10 nap NAP006887-001
Erdr1	A_51_P167562	ref NM_133362 gb AJ007909 gb BC080795 gb BC018296
Map3k6	A_51_P170807	gb AB021861 nap NAP121553-001
Foxn3	A_51_P172344	ref NM_183186 ens ENSMUST00000085108 ens ENSMUST00000046859 gb AK046748
Pcdh21	A_51_P173114	ref NM_130878 ens ENSMUST00000022337 gb AK143151 gb AB093300
Actb	A_51_P173760	ref NM_007393 gb BC138614 gb BC138611 gb J04181
Zdhc14	A_51_P174081	ref NM_146073 ens ENSMUST00000089185 gb AK046719 gb AF542387
C2cd4c	A_51_P174264	ref NM_198614 ref NM_001168624 ens ENSMUST00000059699 gb AK029946
C430004E15Rik	A_51_P176661	ref NM_175286 ens ENSMUST00000051033 ens ENSMUST00000114336 gb AK082888
Igdcc3	A_51_P179921	ref NM_008988 ens ENSMUST00000034961 gb AK051027 gb AK011484
Eif2c2	A_51_P180001	ref NM_153178 ens ENSMUST00000044113 gb BC096465 gb AK220193
Cyp2s1	A_51_P180091	ref NM_028775 ens ENSMUST00000108395 ens ENSMUST00000043314 gb AK004699
Pot1a	A_51_P181152	ref NM_133931 ens ENSMUST00000115330 ens ENSMUST00000031687 gb BC016121
Serpinb1a	A_51_P181297	ref NM_025429 ens ENSMUST00000021833 ens ENSMUST00000076352 ens ENSMUST00000091668
Bcat2	A_51_P181448	ref NM_009737 ens ENSMUST00000033098 ens ENSMUST00000120296 ens ENSMUST00000117366
Pigp	A_51_P182144	ref NM_019543 ref NM_001159617 ref NM_001159618 ref NM_001159619
Odz2	A_51_P184853	ref NM_011856 ens ENSMUST00000102801 gb AK122455 gb AF195419
Dhx35	A_51_P185563	ref NM_145742 ens ENSMUST00000109478 ens ENSMUST00000029186 ens ENSMUST00000109476
Eps8	A_51_P188114	ref NM_007945 ens ENSMUST00000111878 ens ENSMUST00000100841 ens ENSMUST00000058210
Adora1	A_51_P188845	ref NM_001008533 ref NM_001039510 ens ENSMUST00000038191 ens ENSMUST00000086465
Tmcc3	A_51_P189272	ref NM_172051 ref NM_177026 ref NM_001168684 ens ENSMUST00000065060
	A_51_P189334	tc TC1677245
Nup62	A_51_P190277	ref NM_053074 ens ENSMUST00000057195 ens ENSMUST00000107891 gb AK149637
Cep250	A_51_P191087	ref NM_001129999 ref NM_001130000 ref NM_008383 ref NM_177217
Aurkaip1	A_51_P192550	ref NM_025338 ens ENSMUST00000105591 ens ENSMUST00000105592 ens ENSMUST00000084097
Glyctk	A_51_P194004	ref NM_174846 ref NM_001039586 ens ENSMUST00000036382 ens ENSMUST00000112543
Zic1	A_51_P194230	ref NM_009573 ens ENSMUST00000065360 gb BC063247 gb BC060247
Csf1	A_51_P195506	ref NM_007778 ref NM_001113529 ens ENSMUST00000014743 ens ENSMUST00000118593
Zfp330	A_51_P195625	ref NM_145600 ens ENSMUST00000034147 gb AK050534 gb AK037748
Ly6c2	A_51_P197528	ref NM_001099217 ref XM_001475001 gb D86232 gb J18466

Supplementary Table 2
(Continued)

1600014C10Rik	A_51_P199552	reflNM_028166 reflNM_001085385 gb BC019834 gb BC010476
	A_51_P200586	reflNM_027920 ens ENSMUST00000101031 ens ENSMUST00000101032 ens ENSMUST00000079012
Zbtb12	A_51_P200610	reflNM_198886 ens ENSMUST00000052778 gb BC062159 gb BC020447
Larp1b	A_51_P201237	reflNM_001040399 ens ENSMUST00000048490 ens ENSMUST00000099122 gb AK163348
Stat3	A_51_P201480	reflNM_213659 reflNM_213660 reflNM_011486 ens ENSMUST00000092671
Thg1l	A_51_P204646	reflNM_001080969 gb AK010876 gb BC115560 gb BC115561
Gm14288	A_51_P206849	reflNM_001033123 reflXM_001004283 reflXM_001480623 reflXM_001004267
Tctex1d2	A_51_P209334	reflNM_025329 ens ENSMUST00000014220 ens ENSMUST00000080316 gb AK007178
Gltpd1	A_51_P211488	reflNM_024472 ens ENSMUST00000105586 ens ENSMUST00000030950 gb AK089229
Haus4	A_51_P214306	reflNM_145462 ens ENSMUST00000022784 gb AK087969 gb AK079852
Plac9	A_51_P215627	reflNM_207229 reflXM_001472394 reflXM_001472576 ens ENSMUST00000052286
A130022J15Rik	A_51_P216702	reflNM_175313 ens ENSMUST00000054344 gb BC048939 gb AK037507
Tbc1d13	A_51_P218165	reflNM_146252 gb BC025586 nap NAP011289-001
Cd47	A_51_P221014	reflNM_010581 ens ENSMUST00000084838 ens ENSMUST00000114496 gb AB012693
D14Ert449e	A_51_P222453	reflNM_025311 reflXM_001472492 reflXM_001472657 reflXM_001472510
Abcg1	A_51_P222467	reflNM_009593 ens ENSMUST00000024829 gb AF323659 gb U34920
Zfp687	A_51_P222558	reflNM_030074 ens ENSMUST00000019482 ens ENSMUST00000107244 gb AK019851
Prr5l	A_51_P225793	reflNM_175181 reflNM_001083810 reflNM_001110849 ens ENSMUST00000043845
Snx33	A_51_P225948	reflNM_175483 ens ENSMUST00000050916 gb AK053761 gb AK142274
Cep135	A_51_P227929	reflNM_199032 ens ENSMUST00000049060 ens ENSMUST00000121979 gb AK137244
Plekhh3	A_51_P228792	reflNM_146030 ens ENSMUST00000043397 ens ENSMUST00000107291 gb AK154510
Rprd1b	A_51_P229633	reflNM_027434 gb DQ372939 gb BC028819 gb AK152125
Slc34a3	A_51_P230734	reflNM_080854 ens ENSMUST00000006638 gb AB054999 nap NAP014661-001
Igsf3	A_51_P231482	reflNM_207205 gb AK019524 gb AK012857 riken 4833439O17
Cdh24	A_51_P231618	gb AK006648 riken 1700040A22 nap NAP018729-001 tc TC1658453
Mmadhc	A_51_P236721	reflNM_133839 ens ENSMUST00000102769 ens ENSMUST00000028104 gb BC002253
Dusp16	A_51_P242634	gb AF345951 gb AF345952 gb AF345953 gb AF345954
Rpgrip1	A_51_P244973	reflNM_023879 reflNM_001168515 ens ENSMUST00000111603 ens ENSMUST00000111600
Ebf3	A_51_P246543	reflNM_010096 reflNM_001113415 reflNM_001113414 ens ENSMUST00000106118
Ccdc80	A_51_P248786	reflNM_026439 ens ENSMUST00000099498 ens ENSMUST00000061050 gb AB075019
1500035H01Rik	A_51_P251433	reflNM_023831 ens ENSMUST00000020999 ens ENSMUST00000118186 gb AK005360
Sh2b3	A_51_P251821	reflNM_008507 ens ENSMUST00000118580 ens ENSMUST00000040308 ens ENSMUST00000122426
Rfll	A_51_P253527	reflNM_026097 reflNM_001164569 reflNM_001164570 reflNM_001007465
Snprf	A_51_P255613	reflNM_027246 ens ENSMUST00000020203 gb BC100499 gb AK008240
D5Ert4579e	A_51_P257314	reflNM_001081232 ens ENSMUST00000031091 ens ENSMUST00000087545 gb AK122224
Laptn4b	A_51_P258113	reflNM_033521 ens ENSMUST00000022867 gb AF317418 gb AK077269
Pmp22	A_51_P258529	reflNM_008885 ens ENSMUST00000108702 ens ENSMUST00000018361 gb M32240
Aspa	A_51_P259968	reflNM_023113 ens ENSMUST0000002119 gb AF212998 gb AK008354
Aspa	A_51_P259975	reflNM_023113 ens ENSMUST00000002119 gb AF212998 gb AK002859
Arf1	A_51_P260051	reflNM_007476 reflNM_001130408 ens ENSMUST00000061242 gb D87898
Arhgef10	A_51_P265151	reflNM_172751 reflNM_001037736 ens ENSMUST00000084207 ens ENSMUST00000110800
Ly6a	A_51_P265495	reflNM_010738 ens ENSMUST00000023248 gb J03636 gb X04653
Litaf	A_51_P267239	reflNM_019980 ens ENSMUST00000023143 gb AK159533 gb AK150476
2010012O05Rik	A_51_P267508	reflNM_025563 ens ENSMUST00000074912 gb AK008215 gb BC027506
Zfp14	A_51_P269634	reflNM_011748 reflNM_178733 ens ENSMUST00000077787 gb AK028663
Cirbp	A_51_P272106	reflNM_007705 ens ENSMUST00000105365 gb AK014655 gb AK132584
Gbe1	A_51_P273684	reflNM_028803 ens ENSMUST00000023393 gb AK050365 gb AK009815
Mansc1	A_51_P274124	reflNM_026345 ens ENSMUST00000047443 gb AK002644 gb AK033526
Slc12a2	A_51_P275527	reflNM_009194 reflXM_001477704 ens ENSMUST00000115366 gb U13174
Ramp2	A_51_P277536	reflNM_019444 ens ENSMUST00000001271 ens ENSMUST00000107282 ens ENSMUST00000122006
Vps36	A_51_P278018	reflNM_027338 ens ENSMUST00000033866 gb AK150754 gb AK151035
Rel1	A_51_P279712	reflNM_145923 ens ENSMUST00000087327 gb AK133845 gb BC023848
Slc4a7	A_51_P279997	reflNM_001033270 ens ENSMUST00000057015 ens ENSMUST00000090583 gb AK049322
Pigz	A_51_P285669	reflNM_172822 ens ENSMUST00000052174 gb AK089183 gb AK087516
Zfp275	A_51_P286792	reflNM_031494 reflNM_001160229 ens ENSMUST00000033731 ens ENSMUST00000114499
Plekhh1	A_51_P287617	reflNM_181073 ens ENSMUST00000039928 ens ENSMUST00000021546 gb AK122464
Tmtc2	A_51_P288916	reflNM_177368 ens ENSMUST00000061506 gb AK018506 gb BC092226
2310033P09Rik	A_51_P291819	reflNM_024210 ens ENSMUST00000020719 gb AK009601 gb BC002181
Ras10a	A_51_P302942	reflNM_145216 ens ENSMUST00000037218 gb BC107200 gb BC107201
Whrn	A_51_P303620	reflNM_001008791 reflNM_001008792 reflNM_028640 reflNM_001008793
St3gal2	A_51_P305537	reflNM_009179 ens ENSMUST00000117534 ens ENSMUST00000034197 gb AK029246
Snai2	A_51_P305547	reflNM_011415 ens ENSMUST00000023356 gb U79550 gb BC062164
	A_51_P308111	gb AK136371 riken 8430408E23 tc TC1659511
Rasgef1a	A_51_P310066	reflNM_027526 ens ENSMUST00000032230 gb AK158756 gb BC145232
Rgma	A_51_P311476	reflNM_177740 ens ENSMUST00000119206 gb AK082560 gb AJ557513
Ap2a2	A_51_P312474	reflNM_007459 ens ENSMUST0000003038 gb AF006990 gb X14972
Depdc5	A_51_P313035	reflNM_001025426 reflNM_001170567 ens ENSMUST00000120902 ens ENSMUST00000119705
Tnfrsf6	A_51_P315785	reflNM_009398 reflNM_001473344 gb U83903 gb BC021155
Sdc4	A_51_P323248	reflNM_011521 gb AK149784 gb AK145805 gb D89571
Fam71e1	A_51_P323531	reflNM_028169 ens ENSMUST00000107927 gb AK006229 gb BC100470
Gm14288	A_51_P324768	reflNM_001033123 reflXM_001480623 reflXM_001004283 reflXM_001004267
Evpl	A_51_P324838	reflNM_025276 ens ENSMUST00000037007 gb AK007353 gb BC025156
Igsf3	A_51_P327632	reflNM_207205 ens ENSMUST00000043983 gb AK045721 gb AK129151
Spop	A_51_P330717	reflNM_025287 ens ENSMUST00000107722 ens ENSMUST00000107724 gb AK028201
Gnb1	A_51_P335081	reflNM_008142 reflNM_001160016 reflNM_001160017 ens ENSMUST00000030940
Rnf43	A_51_P337101	reflNM_172448 ens ENSMUST00000092800 ens ENSMUST00000040089 ens ENSMUST00000121782

Supplementary Table 2
(Continued)

Gas7	A_51_P342446	ref NM_008088 ref NM_001109657 ens ENSMUST00000108682 ens ENSMUST00000041611
Ehmt2	A_51_P343016	ref NM_145830 ref NM_147151 ens ENSMUST00000114028 ens ENSMUST00000013931
Zbtb5	A_51_P345396	ref NM_173399 ref NM_001163284 ref NM_001163283 ens ENSMUST00000055028
1700112E06Rik	A_51_P346874	ref NM_028275 gb AK007175 gb AK153491 riken 1700112E06
Mboat1	A_51_P349495	ref NM_153546 ens ENSMUST00000047311 gb AK033388 gb AK146984
C130081A10Rik	A_51_P349922	gb AK081838 riken C130081A10 nap NAP012164-001 tc TC1610977
Slc6a9	A_51_P351872	ref NM_008135 ens ENSMUST00000063857 ens ENSMUST00000030269 ens ENSMUST00000102685
Zfp365	A_51_P352216	ref NM_178679 ens ENSMUST00000064656 ens ENSMUST00000048213 gb AK033892
Fat4	A_51_P353056	ref NM_183221 ens ENSMUST00000061260 gb DQ286572 gb AK031348
Tmf1	A_51_P357195	ref NM_001081111 ens ENSMUST00000095664 ens ENSMUST00000095665 gb BC150931
Hras1	A_51_P357664	ref NM_008284 ref NM_001130444 ref NM_001130443 ens ENSMUST00000097957
Txn14a	A_51_P360836	ref NM_178604 ref NM_001038608 ref NM_001042408 ens ENSMUST00000025463
Agpat5	A_51_P361286	ref NM_026792 gb AK082137 gb AK036706 riken C230012M10
Trf	A_51_P362638	ref NM_133977 ens ENSMUST00000035158 ens ENSMUST00000112645 gb M23016
Itih5	A_51_P364250	ref NM_172471 ens ENSMUST00000026886 gb AK134707 gb AK140756
Hs3st1	A_51_P365152	ref NM_010474 ens ENSMUST00000053116 ens ENSMUST00000117944 gb AK132292
Ankrd43	A_51_P365859	ref NM_183173 ens ENSMUST00000104955 gb BC117863 gb BC117862
Apod	A_51_P366811	ref NM_007470 ens ENSMUST00000115230 ens ENSMUST00000023207 gb BC145907
Pttg1	A_51_P371190	ref NM_013917 ref NM_001131054 ens ENSMUST00000121638 ens ENSMUST00000020687
Dock1	A_51_P373163	ref NM_001033420 ens ENSMUST00000084488 gb AK078899 gb BC058998
Arhgef3	A_51_P380337	ref NM_027871 ens ENSMUST00000049206 ens ENSMUST00000067296 gb BC007153
Odz3	A_51_P383369	ref NM_011857 ref NM_001145937 ens ENSMUST00000110349 ens ENSMUST000000110348
Septin4	A_51_P383991	ref NM_011129 ens ENSMUST00000018544 ens ENSMUST00000084575 ens ENSMUST00000093959
Rad21	A_51_P384091	ref NM_009009 ens ENSMUST00000022927 gb AK168896 gb AK168718
Bat1a	A_51_P388099	ref NM_019693 ens ENSMUST00000093645 ens ENSMUST00000068056 gb AY255786
Agxt2l1	A_51_P391616	ref NM_027907 ref NM_001163587 ens ENSMUST00000072271 gb BC043680
5730469M10Rik	A_51_P394354	ref NM_027464 ens ENSMUST00000118466 ens ENSMUST00000022317 gb AK017688
Tspan2	A_51_P394394	ref NM_027533 ens ENSMUST00000029451 gb AK076302 gb AK049888
Syn2	A_51_P396325	ref NM_013681 gb AF096867 gb AK029181 riken 4831410C22
Cobll1	A_51_P397394	ref NM_177025 ref NM_027225 ens ENSMUST00000112429 ens ENSMUST00000068356
Zfp446	A_51_P398647	ref NM_175558 ref NM_001168562 ref NM_001168561 ens ENSMUST00000045810
Sspn	A_51_P401659	ref NM_010656 ens ENSMUST00000111701 ens ENSMUST00000111702 ens ENSMUST00000032383
1810059H22Rik	A_51_P403578	gb AK007907 riken 1810059H22 nap NAP090833-1 tc TC1635170
Ndrp1	A_51_P405606	ref NM_008681 ens ENSMUST00000005256 gb AK004548 gb AK170809
Magi1	A_51_P406346	ref NM_010367 ref NM_001029850 ref NM_001083320 ens ENSMUST00000055224
Sult4a1	A_51_P406796	ref NM_013873 ens ENSMUST00000082365 gb AF059257 gb AK010293
Itgb4	A_51_P408382	ref NM_001005608 ref NM_133663 ens ENSMUST00000106461 ens ENSMUST00000106460
Cldn11	A_51_P409452	ref NM_008770 ens ENSMUST00000046174 gb AK161698 gb AK005171
Hs3st3b1	A_51_P410715	ref NM_018805 ref NM_178870 ens ENSMUST00000094103 ens ENSMUST00000058652
Aktip	A_51_P417477	ref NM_010241 ens ENSMUST00000120349 ens ENSMUST00000120213 gb X71978
Larp1	A_51_P418908	ref NM_028451 ens ENSMUST00000071487 gb AK129202 gb AK148019
Neur12	A_51_P418935	ref NM_001082974 ens ENSMUST00000042775 gb AK004524 gb AK180716
Gadd45gip1	A_51_P419086	ref NM_183358 gb AK003314 gb AK009723 gb AK028227
Ptxdc2	A_51_P420276	ref NM_026162 ens ENSMUST00000028081 ens ENSMUST00000114703 ens ENSMUST00000114702
Thy1	A_51_P420731	ref NM_009382 ens ENSMUST000000114840 ens ENSMUST00000034509 gb BC054436
Hivep3	A_51_P422639	gb AK013707 gb BC049859 gb BC096407 gb BC099611
H2-T22	A_51_P432538	ref NM_010397 ref NM_010395 ref NM_010399 ref XM_001471650
Zfp871	A_51_P436447	ref NM_172458 ens ENSMUST00000057501 gb AK029041 gb BC043671
Smarcal1	A_51_P438293	ref NM_018817 gb AK133701 gb BC038250 gb BY759648
Stk19	A_51_P440568	ref NM_019442 ens ENSMUST00000077477 gb AK146739 gb AK168865
Celsr1	A_51_P440743	ref NM_009886 ens ENSMUST00000016172 gb AK220170 gb BC022754
Slu7	A_51_P443872	ref NM_148673 ref NM_198936 ens ENSMUST00000020681 gb AK029117
1810074P20Rik	A_51_P446417	ref NM_026194 ens ENSMUST00000102994 ens ENSMUST00000038705 gb BC132195
Eif2s1	A_51_P448340	ref NM_026114 ens ENSMUST00000071230 gb AK167763 gb BC016448
Wbp11	A_51_P448987	ref NM_021714 ens ENSMUST00000032340 ens ENSMUST00000116514 gb AK145917
1110036O03Rik	A_51_P450952	ens ENSMUST00000066489 ens ENSMUST00000107402 gb AK029271 riken 4832408F05
1110036O03Rik	A_51_P450955	ref NM_176830 ens ENSMUST00000066489 ens ENSMUST00000107402 gb BC031856
Bhlhe41	A_51_P451176	ref NM_024469 ens ENSMUST00000032386 gb AB044090 nap NAP023909-001
A830021K08Rik	A_51_P451986	gb AK043702 riken A830021K08 nap NAP000224-004 tc TC1599307
Cyp4f14	A_51_P452768	ref NM_022434 ens ENSMUST00000054174 gb AK005007 gb BC094016
Manba	A_51_P454103	ref NM_027288 ens ENSMUST00000029814 gb AF306557 gb AK166340
Tmcc2	A_51_P454993	ref NM_178874 ens ENSMUST00000045473 gb AK157378 gb AK165309
Ptpn13	A_51_P455208	ref NM_011204 ens ENSMUST00000048957 gb D28529 gb Z32740
Ring1	A_51_P455266	ref NM_009066 ens ENSMUST00000025183 gb Y12881 gb AK155509
Ift122	A_51_P456857	ref NM_031177 ref NM_001167763 ens ENSMUST00000038234 ens ENSMUST00000112925
Ndufa12	A_51_P458540	ref NM_025551 ens ENSMUST00000020209 gb AK032774 gb AK153240
Gatm	A_51_P461319	ref NM_025961 ens ENSMUST00000028624 gb AK151313 gb AK007325
Hcfc2	A_51_P462286	gb AK018461 riken 8430436H03
Calm1	A_51_P465023	ref NM_009790 gb AK219824 gb AK160508 gb AK168002
Hdhd3	A_51_P465582	ref NM_024257 ens ENSMUST00000037820 gb BC003491 gb AK013245
Gm16499	A_51_P465758	gb BC006619
Frmf5	A_51_P466288	ref NM_172673 ens ENSMUST00000110593 gb AK005337 gb BC038623
Eif2s2	A_51_P470724	ref NM_026030 gb BC003848 nap NAP092920-001 tc TC1573963
Acvr1c	A_51_P474902	ref NM_001033369 ref NM_001111030 ens ENSMUST00000028178 ens ENSMUST00000112608
Lpar1	A_51_P475573	ens ENSMUST00000107575 nap NAP093956-001 tc TC1592407
Nnmt	A_51_P476767	ref NM_010924 ens ENSMUST00000034808 ens ENSMUST00000119426 gb U86107

Supplementary Table 2
(Continued)

Fa2h	A_51_P477692	reflNM_178086 ens ENSMUST00000038475 ens ENSMUST00000109156 ens ENSMUST00000093130
Nosip	A_51_P479177	reflNM_025533 reflNM_001163684 ens ENSMUST00000003513 ens ENSMUST00000107830
Klhdc9	A_51_P479352	reflNM_001033039 ens ENSMUST00000061878 gb AK076812 gb BC141196
Nmral1	A_51_P480233	reflNM_026393 ens ENSMUST00000115851 gb AK012340 gb BC030039
Vegfa	A_51_P482552	reflNM_001025250 reflNM_009505 reflNM_001025257 reflNM_001110266
Pabpc2	A_51_P486190	reflNM_011033 ens ENSMUST00000063219 gb BC051134 gb X75959
Lrrtm3	A_51_P488180	reflNM_178678 ens ENSMUST00000105439 gb AK036180 gb BC113178
Ctla2b	A_51_P489522	reflNM_007797 reflNM_001145801 ens ENSMUST00000021884 gb AK150917
Wdfy3	A_51_P489821	reflNM_172882 gb BC058274 gb AK012075 gb AB093277
Kazald1	A_51_P493522	reflNM_178929 ens ENSMUST00000026234 ens ENSMUST00000111948 gb AK030678
Acs1	A_51_P496432	reflNM_007981 ens ENSMUST00000034046 gb AK149406 gb AK152772
Vps18	A_51_P497563	reflNM_172269 gb AK042471 gb AK036947 gb AK148077
Cnpy3	A_51_P498403	reflNM_028065 ens ENSMUST00000059844 gb AF361644 gb AK082749
Dfna5	A_51_P498631	reflNM_018769 ens ENSMUST00000031845 gb AK016561 gb AK171278
	A_51_P499122	gb BE368005
Sema6d	A_51_P500002	reflNM_172537 reflNM_199241 reflNM_199240 reflNM_199239
Rnf182	A_51_P500661	reflNM_183204 ens ENSMUST00000059986 gb AK083175 gb BC089488
Tmem63a	A_51_P502964	reflNM_144794 ens ENSMUST00000027800 gb AK144899 gb AK170559
Cpne7	A_51_P503004	reflNM_170684 ens ENSMUST00000037900 gb AK049823 gb AK162900
Ppap2b	A_51_P503433	reflNM_080555 ens ENSMUST00000064139 gb AK011276 gb BC005558
Aldh3b1	A_51_P506356	reflNM_026316 ens ENSMUST00000051803 ens ENSMUST00000100035 gb AK004004
Tep1	A_51_P506755	reflNM_009351 ens ENSMUST00000006444 gb AK154212 gb AK133745
5330426P16Rik	A_51_P507234	reflNR_028300 gb AK052569 gb AK045752 gb AK137010
Ppp4r4	A_51_P507880	reflNM_028980 ens ENSMUST00000021631 gb AK029499 gb AK173221
Trank1	A_51_P508115	reflNM_001164659 ens ENSMUST00000078626 gb BC086653 gb AK129119
	A_51_P510914	ens ENSMUST00000109055 ens ENSMUST00000109011 gb AK013921 gb U62393
	A_51_P510916	ens ENSMUST00000109011 ens ENSMUST00000108980 ens ENSMUST00000119149 ens ENSMUST00000120959
Triap1	A_51_P511176	reflNM_026933 ens ENSMUST00000031508 gb U61156 gb AK007514
	A_51_P511346	gb BC004015
Mtag2	A_51_P511608	reflNR_027802 ens ENSMUST00000058665 gb AK042966 gb U88401
Alad	A_51_P512072	reflNM_008525 ens ENSMUST00000107444 ens ENSMUST00000030090 gb AK168132
Dera	A_51_P512820	reflNM_172733 ens ENSMUST00000087675 gb BC016218 gb AK083298
Rac1	A_51_P513254	reflNM_009007 gb AK193118 gb AK076023 gb AK081613
Ensa	A_51_P513600	reflNM_001026212 ens ENSMUST00000037983 gb AK011334 gb AK149726
Tmprss5	A_51_P516741	reflNM_030709 ens ENSMUST00000070390 gb AB016230 gb AB016229
Eif2c2	A_52_P101221	reflNM_153178 ens ENSMUST00000044113 gb AB081472 gb AK220193
Dync2h1	A_52_P102783	reflNM_029851 ens ENSMUST00000048417 gb AY452067 gb AK173324
Ncoa3	A_52_P103066	reflNM_008679 ens ENSMUST00000088095 ens ENSMUST00000109252 gb AK142306
	A_52_P1035662	gb AK032159 riken 6430404D24
Skp1a	A_52_P10458	reflNM_0011543 ens ENSMUST00000037324 ens ENSMUST00000109072 gb AK012498
Fam114a2	A_52_P104700	reflNM_026342 reflNM_001168668 reflNM_001168667 ens ENSMUST00000108850
Slc6a16	A_52_P1181112	reflXM_355900 reflXM_914689 tc TC1650678
Hyou1	A_52_P122830	reflNM_021395 gb AK128937 gb AK145857 gb BC050107
Kdm5c	A_52_P124247	reflNM_013668 gb AK081887 riken C130084O20 nap NAP094014-001
B4galnt1	A_52_P130972	gb BC022180 gb AK086849 riken E030004J15 nap NAP087559-1
Itgb4	A_52_P143287	reflNM_001005608 reflNM_133663 ens ENSMUST00000106461 ens ENSMUST00000106460
Zyg11b	A_52_P14526	reflNM_001033634 gb AK034007 riken 9330140A08 nap NAP011487-001
At13	A_52_P146263	reflNM_001163505 reflNM_146091 nap NAP041641-1 tc TC1609080
Hmgn2	A_52_P149864	reflNM_016957 reflXM_001473104 reflXM_001477164 reflXM_001476615
1700086L19Rik	A_52_P150436	reflNR_030733 reflNR_030734 reflNR_030735 ens ENSMUST00000095617
Gpatch1	A_52_P152822	reflNM_026181 ens ENSMUST00000108054 ens ENSMUST00000079693 gb AK014367
	A_52_P161780	ens ENSMUST00000112634 ens ENSMUST00000112635 ens ENSMUST00000112636 gb AK047871
Ski	A_52_P165497	reflNM_011385 ens ENSMUST00000030917 ens ENSMUST00000105629 ens ENSMUST00000084103
Srr	A_52_P16571	reflNM_013761 reflNM_001163311 ens ENSMUST00000108447 ens ENSMUST00000121738
1200009O22Rik	A_52_P177847	reflNM_025817 gb AK039757 gb AK033401 gb AK122338
Zmym5	A_52_P179211	gb BC058644 tc TC1588427
	A_52_P189338	nap NAP093999-001
Fam92a	A_52_P190807	gb AK032690 riken 6530443I23 nap NAP075171-1 tc TC1603919
Tmau1ap	A_52_P193233	reflNM_027925 ens ENSMUST00000030730 ens ENSMUST00000105959 gb BC005795
Gm5978	A_52_P196972	reflXM_902301 reflXM_923508 reflXM_001472285 reflXM_001474850
Erd1	A_52_P197965	gb AJ539223 tc NP598082
Clvs1	A_52_P199147	gb AK083985 gb AK047462 riken D130072G21 riken B930067F16
Gnb1	A_52_P205991	reflNM_008142 reflNM_001160016 reflNM_001160017 ens ENSMUST00000030940
Pop4	A_52_P206492	reflNM_025390 ens ENSMUST00000032585 gb AK003908 gb AK150459
Zfp422	A_52_P206762	reflNM_026057 ens ENSMUST00000079749 ens ENSMUST00000112880 ens ENSMUST00000057540
6820431F20Rik	A_52_P212336	reflNR_028428 reflNR_030708 ens ENSMUST00000096485 gb AK035187
	A_52_P218584	gb BB268102 nap NAP033617-1
D830030K20Rik	A_52_P218930	reflNM_177135 reflXM_001475600 reflXM_001475847 reflXM_001477400
Map3k6	A_52_P222775	reflNM_016693 ens ENSMUST00000030677 gb BC125577 gb BC120565
Rnf112	A_52_P22696	reflNM_009548 ens ENSMUST00000060255 ens ENSMUST00000054927 ens ENSMUST00000102661
Limch1	A_52_P229278	reflNM_001001980 ens ENSMUST00000119854 ens ENSMUST00000118242 ens ENSMUST00000117601
	A_52_P232346	nap NAP103909-1 tc TC1708996
Odz3	A_52_P234127	reflNM_011857 reflNM_001145937 gb AK031268 gb AK011778
2700046A07Rik	A_52_P241751	gb AK020725 gb AV160668 riken A330042I05 nap NAP016354-001
Fuz	A_52_P24206	gb BC045601 gb AK0011195 riken 2600013E07 nap NAP014553-001
Arf1	A_52_P242438	reflNM_007476 reflNM_001130408 ens ENSMUST00000061242 gb AK152479

Supplementary Table 2
(Continued)

	A_52_P244763	ens ENSMUST00000122410 gb AK078393 riken 6620401G20 nap NAP004831-002
Usp20	A_52_P249664	ref NM_028846 ens ENSMUST00000102849 gb AK006800 gb AK087412
Uevld	A_52_P253120	ref NM_001040695 ens ENSMUST00000094398 gb AK080186 gb AK155685
Stk19	A_52_P254607	ref NM_019442 ens ENSMUST00000077477 gb AK146739 gb AK168865
Hsp90ab1	A_52_P257204	ref NM_008302 ens ENSMUST00000024739 gb BC054457 gb AK146205
Hist2h2ac	A_52_P257377	ens ENSMUST00000090782 nap NAP113398-1
9830001H06Rik	A_52_P257919	ref NM_001164663 ens ENSMUST00000069098 gb AK031493 gb AK147227
Phf20	A_52_P259258	ref NM_172674 ens ENSMUST00000088600 ens ENSMUST00000037401 gb BC060121
Zfp593	A_52_P262914	ref NM_024215 ens ENSMUST00000116281 ens ENSMUST00000030644 gb AK005247
Otud7b	A_52_P266916	ref NM_001025613 ref NM_001025614 ens ENSMUST00000090785 ens ENSMUST00000098849
Mobp	A_52_P267600	ref NM_008614 ref NM_001039364 ens ENSMUST00000093773 ens ENSMUST000000111627
Cml5	A_52_P2710	ref NM_023493 ens ENSMUST00000032074 gb AK007530 gb AF187099
Slc5a11	A_52_P271085	ref NM_146198 ens ENSMUST00000098061 ens ENSMUST00000033035 gb AK008219
Pip4k2a	A_52_P271468	ref NM_008845 ens ENSMUST00000006912 ens ENSMUST00000114645 gb BC011097
Ppme1	A_52_P271925	ref NM_028292 ens ENSMUST00000032963 gb AK076992 gb AK218423
Rbm39	A_52_P275324	gb AK050568 riken C820020J16 nap NAP103928-1 tc TC1631661
Daglb	A_52_P277394	gb AK081509 riken C130025A20 nap NAP121638-001 tc TC1623592
Glg1	A_52_P279759	gb AK050772 riken D030018I01
	A_52_P280821	nap NAP123201-1
Kank4	A_52_P281145	ref NM_172872 ens ENSMUST00000102790 gb BC060737 tc TC1585060
Igfbp5	A_52_P281702	ref NM_010518 ens ENSMUST00000027377 gb AK011683 gb BC003951
Fam168a	A_52_P285674	ref NM_178764 ens ENSMUST00000084914 ens ENSMUST00000107042 ens ENSMUST00000049053
H2afj	A_52_P286488	ref NM_177688 gb AK053755 gb AW490391 riken E130307C13
Lrrfp2	A_52_P287927	ref NM_027742 ref NM_001164838 ens ENSMUST00000098339 ens ENSMUST00000035078
Cacnb2	A_52_P295676	gb AK143332 gb AK046048 riken B230337K17 riken E330008B16
	A_52_P298165	ens ENSMUST00000063955 gb AK045826 gb AK045662 riken B230312L03
Zdhc9	A_52_P299684	ref NM_172465 ens ENSMUST00000037960 ens ENSMUST00000088935 gb AK032233
Slc35a5	A_52_P307749	ref NM_028756 ens ENSMUST00000023344 gb AK033921 gb BF462529
Dach1	A_52_P309022	ref NM_007826 ref NM_001038610 ens ENSMUST00000071533 ens ENSMUST00000069334
Dgkb	A_52_P313291	gb AK122355 nap NAP037782-1
4930452B06Rik	A_52_P313523	ref NM_028934 ens ENSMUST00000102996 gb AK133893 gb BC064468
	A_52_P323975	ens ENSMUST00000095222 gb AK084031 riken D130077P12 nap NAP085719-1
1110020A21Rik	A_52_P32453	ref NR_027930 gb AK011222 riken 2600015P10 tc TC1666714
Hcfc2	A_52_P32683	gb AK040565 riken A430106M23 nap NAP002335-001 tc TC1597970
Plekkg3	A_52_P328304	ref NM_153804 ens ENSMUST00000075249 ens ENSMUST00000101279 gb AK172977
Wdfy1	A_52_P328825	ref NM_001111279 ens ENSMUST00000097685 ens ENSMUST00000113512 ens ENSMUST00000113513
Tdg	A_52_P33287	ref NM_011561 ref NM_172552 ref XM_891912 ref XM_899830
6820431F20Rik	A_52_P335089	ref NR_028428 ref NR_030708 gb AK009182 gb AK017816
Lrrc27	A_52_P33831	ref NM_027164 ens ENSMUST00000016124 gb AK165593 gb AK009798
Rundc1	A_52_P340079	ref NM_172566 ens ENSMUST00000040561 gb AK086362 gb AK157156
Slain1	A_52_P341373	ref NM_198014 ens ENSMUST00000069443 gb BC025223 gb AK036190
Mier1	A_52_P341991	ref NM_027696 ref NM_001039081 ens ENSMUST00000097945 ens ENSMUST00000030247
AU022252	A_52_P347847	gb BC035522 gb BC055790 nap NAP121419-001 tc TC1601468
Trim26	A_52_P353038	ref NM_001025599 ens ENSMUST00000053434 ens ENSMUST00000087160 gb BC037110
Lcorl	A_52_P353363	ref NM_172153 ref NM_001163073 ens ENSMUST00000087164 ens ENSMUST00000016026
1500004A13Rik	A_52_P354974	gb AK083200 riken C630026O06 nap NAP116980-1 tc TC1647430
Larp1	A_52_P361112	ref NM_028451 ens ENSMUST00000071487 gb AK129202 gb AK148019
6430604M11Rik	A_52_P365505	gb AK032585 gb AK163746 gb AK039501 riken 6430604M11
Mri1	A_52_P367791	ref NM_026423 ens ENSMUST00000005122 gb AK007709 gb AK164894
Tmem100	A_52_P368306	ref NM_026433 ens ENSMUST00000092788 gb AK007878 gb AK003574
Rcan2	A_52_P369415	ref NM_207649 ref NM_030598 ens ENSMUST00000044895 ens ENSMUST00000044792
Ap1s3	A_52_P377576	ens ENSMUST00000067229 gb BC054111 gb BE371703 tc TC1582600
Srbd1	A_52_P380460	ref NM_030133 ref XM_001479682 ref XM_001480810 ens ENSMUST00000043323
LOC100046168	A_52_P380997	ref XM_001475723 ens ENSMUST00000025293 gb AK050560 gb BC020359
Tia1	A_52_P381009	gb AK009502 gb AK009914 riken 2310026D05 riken 2310050N03
Nat5	A_52_P38317	gb AK046153 riken B230345H17 tc TC1767749 tc TC1629707
Sox2ot	A_52_P389324	ref NR_015580 gb AK045614 gb AK031826 gb BC057611
Trmp1	A_52_P391624	ref NM_001081156 ref XM_001478903 ens ENSMUST00000070802 gb BC049168
1190002N15Rik	A_52_P394291	ref NM_001033145 ref XM_001472923 ens ENSMUST00000113028 gb AK162197
Kbtbd11	A_52_P394448	ref NM_029116 ref XM_001474596 ref XM_001474229 ens ENSMUST00000058886
Pcdh15	A_52_P395088	ref NM_001142746 ref NM_001142760 ens ENSMUST00000105430 gb AK034124
Golga7	A_52_P398018	gb AK089856 gb BC064083 riken F830033L24 nap NAP072825-1
Tnpo2	A_52_P401579	ref NM_145390 ref NM_001122843 ens ENSMUST00000093360 gb BC003275
LOC100046483	A_52_P405362	ref XM_001476285 gb AK019507 riken 4632434B16 nap NAP001240-001
Txn14a	A_52_P407145	ref NM_025299 gb AK004039 gb AK148287 gb AK166497
H2afj	A_52_P407692	ref NM_177688 ens ENSMUST00000074556 gb BC024397 gb BC099606
2610030H06Rik	A_52_P4133	ref NM_001081356 ens ENSMUST00000114577 ens ENSMUST00000114576 gb AK164163
Sln	A_52_P413395	ref NM_025540 ens ENSMUST00000048485 gb AK009005 gb AK008863
Ikzf2	A_52_P413515	ref NM_011770 gb AK030937 riken 5830464M07 nap NAP008315-001
Gab1	A_52_P417437	ref NM_021356 ens ENSMUST00000034150 gb AK155423 gb AK132176
Lrrtm4	A_52_P424206	gb AK032470 gb BC037216 riken 6430558H08 nap NAP116396-1
Ddx1	A_52_P424563	ref NM_134040 ens ENSMUST00000071103 gb AK053259 gb AJ223068
LOC547150	A_52_P425634	ref NR_030708 gb BC086760 gb AK081322 gb AK134636
Slc15a2	A_52_P426605	gb AK018393 gb BC051199 gb BC018335 riken 8430408C16
Ldlr	A_52_P427024	ref NM_010700 ens ENSMUST00000034713 ens ENSMUST00000070068 gb AK160006
Tsn	A_52_P428446	ref NM_011650 ens ENSMUST00000027623 gb AF234179 gb AK165598

Supplementary Table 2
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Dcun1d1	A_52_P430934	reflNM_033623 reflNM_001476879 ens ENSMUST00000121632 ens ENSMUST00000099528
Acin1	A_52_P434549	reflNM_023190 reflNM_001085473 ens ENSMUST00000111484 ens ENSMUST00000022793
Asah2	A_52_P436643	reflNM_018830 ens ENSMUST00000096119 gb AB037181 gb AK135485
	A_52_P440729	ens ENSMUST00000066689 gb AK035245 gb AK011885 gb AK050961
Etnk1	A_52_P446011	reflNM_029250 ens ENSMUST00000032413 gb AK044502 gb AK049827
St6galnac3	A_52_P451355	reflNM_011372 ens ENSMUST00000064460 gb AK034804 gb BC058387
Pfdn1	A_52_P456059	reflNM_026027 ens ENSMUST00000025204 gb AK003330 gb AK002575
5330426P16Rik	A_52_P456410	gb AK019912 gb AK151508 riken I830031B22 riken 5330426P16
Aph1b	A_52_P456750	reflNM_177583 ens ENSMUST00000034934 gb AK028521 gb AK154847
Ubr2	A_52_P459750	reflNM_146078 ens ENSMUST00000113335 ens ENSMUST00000113337 ens ENSMUST00000075833
Hspa12a	A_52_P460422	reflNM_175199 ens ENSMUST00000066285 gb BC030362 gb AB093239
Tmbim1	A_52_P461378	reflNM_027154 ens ENSMUST00000016309 ens ENSMUST00000113791 ens ENSMUST00000113796
Zfp236	A_52_P473140	reflNM_177832 ens ENSMUST00000097504 gb AK156842 gb BC145180
Rab8b	A_52_P477286	reflNM_173413 ens ENSMUST00000041139 gb BC157974 gb AK031251
Tra2a	A_52_P482063	gb AK076230 gb AK170599 gb CB588885 riken 4222403J09
Rexo2	A_52_P489240	gb AK090202 gb BY645324 riken G630016110 nap NAP019625-001
Gnal1	A_52_P491766	reflNM_008136 ens ENSMUST00000087200 gb BC129969 gb BC129970
Slc7a14	A_52_P493030	reflNM_172861 ens ENSMUST00000091259 gb BC061928 gb AK173217
Prrg1	A_52_P497188	reflNM_027322 reflNM_001164275 ens ENSMUST00000114025 gb AK087639
Lars	A_52_P500488	reflNM_134137 ens ENSMUST00000097590 gb BC052715 gb AK049472
Aldh7a1	A_52_P503071	reflNM_138600 reflNM_001127338 ens ENSMUST00000116635 ens ENSMUST00000066208
Slc35a5	A_52_P51198	reflNM_028756 ens ENSMUST00000023344 gb AK085567 gb AK030566
Trim59	A_52_P512561	reflNM_025863 reflNM_904071 ens ENSMUST00000042499 ens ENSMUST00000107802
Slc25a24	A_52_P515057	reflNM_172685 ens ENSMUST00000029477 gb AK032806 gb AK170598
	A_52_P520429	ens ENSMUST00000108923 ens ENSMUST00000108975 ens ENSMUST00000109011 ens ENSMUST00000109036
	A_52_P521607	nap NAP027343-1 nap NAP097908-001
Epb4.111	A_52_P524426	reflNM_001003815 reflNM_013510 reflNM_001006664 ens ENSMUST00000103137
Emilin2	A_52_P527800	reflNM_145158 ens ENSMUST00000024849 gb AK155037 gb AK170822
Rps11	A_52_P530473	gb BC012641
Atp8a1	A_52_P534844	reflNM_001038999 reflNM_009727 ens ENSMUST00000037380 ens ENSMUST00000113656
	A_52_P542970	nap NAP071116-1 nap NAP018852-001
6720456H20Rik	A_52_P54325	reflNM_172600 ens ENSMUST00000111735 ens ENSMUST00000037990 gb BC046454
Ryk	A_52_P544017	reflNM_013649 reflNM_001042607 ens ENSMUST00000035142 gb L10915
Sfrs4	A_52_P550780	reflNM_020587 ens ENSMUST00000053819 ens ENSMUST00000030743 gb AK077648
Adnp	A_52_P55719	reflNM_009628 ens ENSMUST00000109196 ens ENSMUST00000057793 ens ENSMUST00000088001
Slmo1	A_52_P557378	reflNM_144867 ens ENSMUST00000025411 gb AK038905 gb AK143220
Srp68	A_52_P561584	reflNM_146032 ens ENSMUST00000021133 ens ENSMUST00000106425 gb AK076003
Cbx6-Nptxr	A_52_P567167	reflNM_001013362 reflNM_001013360 reflNM_030689 ens ENSMUST00000023057
Ptms	A_52_P571290	reflNM_026988 ens ENSMUST00000032216 ens ENSMUST00000112444 gb BC052052
Gm9387	A_52_P575668	reflNM_001003884 reflNM_982491 nap NAP097103-001
A230069A22Rik	A_52_P577329	reflNM_001033394 ens ENSMUST00000097742 gb AK158459 gb AK035998
Ccr5	A_52_P578732	reflNM_009917 ens ENSMUST00000114422 gb AK170303 gb D83648
Wasf2	A_52_P581440	reflNM_153423 gb AK085458 gb BC030464 gb AK172187
Neu1	A_52_P58524	reflNM_010893 ens ENSMUST00000007253 gb BC004666 gb AK145680
2210015D19Rik	A_52_P588917	gb BC052911 gb BC094935 nap NAP037945-1 tc TC1599819
Gm6436	A_52_P589148	reflNM_001001941 reflNM_887972 reflNM_904186 nap NAP096448-001
Vars2	A_52_P590235	reflNM_175137 gb BC057036 gb AK173288 gb AK159301
Tipi	A_52_P592007	reflNM_011576 ens ENSMUST00000111717 ens ENSMUST00000111712 ens ENSMUST00000111722
P4ha1	A_52_P593723	reflNM_011030 ens ENSMUST00000009789 ens ENSMUST00000105466 ens ENSMUST00000092512
Mrpl47	A_52_P595537	gb BC029173 tc TC1638364
	A_52_P596357	gb AK054546 riken E330039N10 tc TC1613381
1190007107Rik	A_52_P598634	reflNM_001135567 reflNM_001135568 reflNM_001135569 ens ENSMUST00000079648
Zfp39	A_52_P600535	reflNM_011758 ens ENSMUST00000102703 gb AK141135 gb BC011182
Src	A_52_P600547	reflNM_009271 reflNM_001025395 ens ENSMUST00000109533 ens ENSMUST00000092576
Tor1aip1	A_52_P602018	reflNM_001160018 reflNM_144791 reflNM_001160019 gb AK079026
	A_52_P602787	ens ENSMUST00000084171 gb BC090989 nap NAP108458-1 nap NAP101170-1
Nosip	A_52_P61811	reflNM_025533 reflNM_001163684 ens ENSMUST00000107829 gb AK199797
	A_52_P622197	nap NAP029477-1 nap NAP058810-1
Olud7b	A_52_P623738	reflNM_001025613 reflNM_001025614 ens ENSMUST00000090785 ens ENSMUST00000098849
Pitpnb	A_52_P626340	reflNM_019640 ens ENSMUST00000058552 ens ENSMUST00000086635 gb U46934
Zfp811	A_52_P632601	reflNM_183177 ens ENSMUST00000080905 gb BC052046 nap NAP060328-1
Lrp4	A_52_P635078	reflNM_172668 ens ENSMUST00000028689 gb AF247637 gb AK129224
Wipf1	A_52_P637282	reflNM_153138 ens ENSMUST00000094681 gb AK156547 gb BC049788
Stam	A_52_P640204	reflNM_011484 ens ENSMUST00000028050 ens ENSMUST00000102960 ens ENSMUST00000114738
Aph1c	A_52_P643172	reflNM_026674 gb BC050923 gb BC063254
D16Ert472e	A_52_P646979	reflNM_025967 ens ENSMUST00000114218 ens ENSMUST00000114219 ens ENSMUST00000114220
Acvr1c	A_52_P647326	reflNM_001033369 reflNM_001111030 ens ENSMUST00000028178 ens ENSMUST00000112608
Gm9174	A_52_P649285	reflNM_001001520 reflNM_985582 gb AK008199 riken 2010012C09
Rassf4	A_52_P650307	reflNM_178045 ens ENSMUST00000035842 gb AK089460 gb AK139284
Strap	A_52_P650379	reflNM_011499 ens ENSMUST00000064910 gb AK147179 gb AK154158
Myo1d	A_52_P650855	reflNM_177390 ens ENSMUST00000041065 gb AK148112 gb BC039700
Cplx2	A_52_P650908	reflNM_009946 ens ENSMUST00000026985 gb BC048487 gb D38613
Rpl21	A_52_P653937	reflNM_019647 gb AK018480 riken 8430440E03 nap NAP093633-001
Crot	A_52_P656336	reflNM_023733 ens ENSMUST0000003720 gb AK037973 gb AK004567
Dock1	A_52_P660922	reflNM_001033420 ens ENSMUST00000084488 gb AK078899 gb BC058998
Snhg3	A_52_P661071	reflNR_003270 gb AJ006837 gb AK076188 gb BC100513

Supplementary Table 2
(Continued)

C230096C10Rik	A_52_P662216	ref NM_146157 ref NM_001039200 gb AK129052 gb BC129804
Rprd2	A_52_P663622	ref NM_001081293 ens ENSMUST00000090791 ens ENSMUST00000098855 gb BC067054
Vhl	A_52_P670070	gb S76748
Mklm1	A_52_P674414	ref NM_013791 ens ENSMUST00000026699 gb AK077541 gb BC013703
Rprd2	A_52_P681918	ref NM_001081293 ens ENSMUST00000090791 ens ENSMUST00000098855 gb AK034002
Cdh11	A_52_P683146	ref NM_009866 ref NR_028428 ref NR_030708 ens ENSMUST00000075190
Atg4c	A_52_P683728	ref NM_175029 ref NM_001145967 ref XM_001471854 ens ENSMUST00000030279
4930539J05Rik	A_52_P684920	gb AK053308 gb AK050124 gb AK052426 riken C730018K14
Tesc	A_52_P69955	ref NM_021344 ref XM_001477488 ens ENSMUST00000031304 gb GQ856261
Slc25a26	A_52_P71544	ref NM_026255 gb BC049899 gb BC019170 nap NAP123724-1
	A_52_P74524	ens ENSMUST00000070897 gb AK038227 riken A130088E03 nap NAP124631-1
	A_52_P755474	ens ENSMUST00000110766 gb AK045015 riken B130019G13 nap NAP083006-1
	A_52_P764117	0
2810001G20Rik	A_52_P81630	ref XM_001474349 ref XM_001476904 gb AK012631 gb AK007927
	A_52_P819356	gb AK041684 gb AK163115 riken A630029O19 riken A730007E20
Dip2a	A_52_P8386	ref NM_001081419 ref XM_001472706 ens ENSMUST00000036033 ens ENSMUST00000105417
	A_52_P843466	gb AK041831 riken A630040N16 nap NAP081684-1 tc TC1656714
Gadd45gip1	A_52_P85020	ref NM_183358 gb AK028227 riken 2810429D03 tc TC1576749
Wipf2	A_52_P851971	ref NM_197940 gb AK087041 gb BB532123 riken E030022G12
	A_52_P860067	gb AK078072 riken 6330436D20 nap NAP088718-1 tc TC1602408
Kcnc1	A_52_P867058	ref NM_001112739 ens ENSMUST00000025202 gb AK079373 riken 9630047A19
Gm2136	A_52_P875269	ref XM_001472696 ref XM_001477209 gb AK047645 riken C030004I10
	A_52_P883920	gb AK043458 riken A730097D08 nap NAP082551-1 tc TC1616648
	A_52_P932813	gb AK140658 riken B930073D03 riken D930019G21 tc TC1713239
Scoc	A_52_P96587	ref NM_019708 ref NM_001039137 ref XM_001473935 ens ENSMUST00000081506
1110054O05Rik	A_52_P99470	ref NM_001013577 ens ENSMUST00000095063 gb AK008870 riken 2210409E24

Supplementary Table 2
(Continued)

BF 15m		
Symbol	Agilent probe	Accessions
Zfp397	A_51_P101086	ref NM_027007 ens ENSMUST00000060762 gb AK032001 gb BC021456
Lta4h	A_51_P101955	ref NM_008517 ens ENSMUST00000016033 gb BC021417 gb M63848
Ccdc85a	A_51_P101985	ref NM_001166662 ens ENSMUST00000109501 gb AK087049 gb AK087070
Magee1	A_51_P104430	ref NM_053201 ens ENSMUST00000033578 gb AF319978 gb AK030032
Gtf2h4	A_51_P104747	ref NM_010364 ens ENSMUST00000001565 gb AK144680 gb AK146112
Psmc1	A_51_P104960	ref NM_008947 ens ENSMUST00000021595 gb AK088411 gb AK161723
Ppp1r11	A_51_P105320	ref NM_029632 ens ENSMUST00000040402 gb AK005379 gb AK077455
Alg14	A_51_P105408	ref NM_024178 ens ENSMUST00000039442 gb BC002278 gb AK011733
Myo5b	A_51_P105879	ref NM_201600 ens ENSMUST00000121875 ens ENSMUST00000074157 ens ENSMUST00000091844
Slc35f2	A_51_P106979	ref NM_028060 ref XM_001479993 ens ENSMUST00000048670 gb AK005182
1700029I01Rik	A_51_P109496	ref NM_027285 ref NM_001083918 ref NM_001085522 ens ENSMUST00000084149
Meg3	A_51_P109649	ref NR_003633 ref NR_027651 gb AK018142 gb AI850416
Rnd1	A_51_P111164	ref NM_172612 ens ENSMUST00000003451 gb AK161870 gb AK043639
Cdk2ap2	A_51_P111259	ref NM_026373 ens ENSMUST00000025779 gb AK011211 gb AK003686
Dstyk	A_51_P111595	ref NM_172516 ens ENSMUST00000045110 gb AK172954 gb AK050542
Nudt19	A_51_P111952	ref NM_033080 ens ENSMUST00000040962 gb X04097 gb K03414
Igtp	A_51_P112355	ref NM_018738 ens ENSMUST00000035266 gb AK152337 gb AK151779
Cenpq	A_51_P113003	ref NM_031863 ens ENSMUST00000087114 gb AK157569 gb AK011998
	A_51_P113769	gb AK037868 riken A130057G06 tc TC1623595
Rbbp7	A_51_P114385	ref NM_009031 ens ENSMUST00000112327 ens ENSMUST00000033720 ens ENSMUST00000112321
1110005A03Rik	A_51_P114591	ref NM_028865 ens ENSMUST00000021171 ens ENSMUST00000106370 gb AK160133
Cdh13	A_51_P114826	ref NM_019707 gb AB022100 gb AK048724 gb AK028002
Iqcd	A_51_P115655	ref NM_029408 ens ENSMUST00000069259 gb AK017032 gb AK076996
Sh3bp5l	A_51_P115988	ref NM_024480 ref NM_001161338 ens ENSMUST00000116376 ens ENSMUST00000073128
X99384	A_51_P116407	ref NM_013753 ens ENSMUST00000020289 gb X99384 gb AK146489
Ccdc22	A_51_P116581	ref NM_138603 ens ENSMUST00000033483 gb AK010536 gb AF229637
A330021E22Rik	A_51_P116601	ref NM_172447 gb BC062906 gb BC050971 gb AK076835
1700010I14Rik	A_51_P116687	ref NM_025851 ens ENSMUST00000024650 gb AK161278 gb AK005830
Aga	A_51_P119544	ref NM_001005847 ens ENSMUST00000033920 gb BC145297 gb BC132229
Wbp7	A_51_P123091	ref NM_029274 ens ENSMUST00000006470 ens ENSMUST00000108154 gb AB182318
Pvri3	A_51_P125009	ref NM_021495 ens ENSMUST00000023334 ens ENSMUST00000121245 gb AK011949
Pop4	A_51_P125117	ref NM_025390 ens ENSMUST00000032585 gb AK003908 gb AK150459
Lce1b	A_51_P125351	ref NM_026822 ens ENSMUST00000029531 gb AK003951 gb BC082291
Hars	A_51_P125388	ref NM_008214 ens ENSMUST00000001416 gb U39473 gb AK088824
Dapk2	A_51_P126198	ref NM_010019 ens ENSMUST00000034944 gb BC022165 gb AB018002
Hsd11b1	A_51_P127297	ref NM_008288 ref NM_001044751 ens ENSMUST00000016338 gb AK167419
Slc35a5	A_51_P129557	ref NM_028756 ens ENSMUST00000023344 gb AK150825 gb AK151484
Comt1	A_51_P129895	ref NM_007744 ref NM_001111062 ref NM_001111063 ens ENSMUST00000000335
Fcgr2b	A_51_P130101	ref NM_001077189 ref NM_010187 ens ENSMUST00000027966 ens ENSMUST00000081103
Dpf1	A_51_P131442	ref NM_013874 ens ENSMUST00000049977 ens ENSMUST00000065181 gb U48238
Camk2g	A_51_P132849	ref NM_178597 ref NM_001039138 ref NM_001039139 ref XM_001474499
Idh1	A_51_P132978	ref NM_010497 ref NM_001111320 ens ENSMUST00000097709 ens ENSMUST00000027087
Ncl	A_51_P134007	ref NM_010880 ens ENSMUST00000027438 gb AK028681 gb AK083307
Hlf	A_51_P134228	ref NM_172563 ens ENSMUST00000107883 ens ENSMUST00000004051 gb BC058705
Cyp4f15	A_51_P136303	ref NM_134127 ens ENSMUST00000008801 gb BC021377 gb AF233645
Cisd1	A_51_P138152	ref NM_134007 ref XM_910436 ens ENSMUST00000045887 gb AK131995
Hmgb3	A_51_P138548	ref NM_008253 ens ENSMUST00000114582 ens ENSMUST00000072699 ens ENSMUST00000088874
Clec10a	A_51_P141413	ref NM_010796 ens ENSMUST00000000327 ens ENSMUST00000102571 ens ENSMUST00000094058
Etna5	A_51_P144319	ref NM_207654 ref NM_010109 ens ENSMUST00000076840 ens ENSMUST00000078839
Rbm19	A_51_P144512	ref NM_028762 ens ENSMUST00000031590 gb AK004657 gb AK162149
Abcb10	A_51_P144696	ref NM_019552 ens ENSMUST00000075578 gb AK081782 gb BC054793
Cdkn1b	A_51_P146126	ref NM_009875 ens ENSMUST00000003115 gb AK169586 gb AK154276
Slain1	A_51_P147284	ref NM_198014 ens ENSMUST00000069443 gb AK036190 gb BC079866
Tex261	A_51_P147654	gb AK170049 gb AK013971 gb AK013969 riken 3110001P07
Sfrs14	A_51_P147714	ref NM_172755 ref NM_001168290 ens ENSMUST00000093458 gb AK042293
Pon2	A_51_P147822	gb AK018124 riken 6330405I24 nap NAP094507-001 tc TC1674928
Ifi81	A_51_P148573	ref NM_009879 ens ENSMUST00000031426 gb AF354757 gb Y10495
Diras1	A_51_P149503	ref NM_145217 ens ENSMUST00000055125 gb AK081336 gb BC057556
Jagn1	A_51_P150608	ref NM_026365 ens ENSMUST00000101070 gb AK020149 gb AK003673
Psg16	A_51_P153042	ref NM_007676 ens ENSMUST00000118367 gb U34272 gb AK033124
Zfp672	A_51_P155174	ref NR_028331 ens ENSMUST00000064786 gb AK019676 gb AK008471
Arid4a	A_51_P156927	ref NM_001081195 ens ENSMUST00000046305 ens ENSMUST00000058026 gb AK041444
Brd7	A_51_P157554	ref NM_012047 ens ENSMUST00000034085 gb BC166008 gb AF084259
Snrpc	A_51_P157595	ref NM_011432 ref XM_001474434 ref XM_001475923 ens ENSMUST00000071006
6330407J23Rik	A_51_P157953	ref NM_026138 ens ENSMUST00000092629 gb AK030682 gb AK018139
Gnl2	A_51_P161362	ref NM_145552 ens ENSMUST00000030684 gb BC003262 gb AK077532
Phf3	A_51_P162307	ref NM_001081080 ens ENSMUST00000088310 gb BC137913 gb AK122230
Ttc5	A_51_P166325	ref NM_001080949 ref XM_001003884 ref XM_982491 ens ENSMUST00000006451
Ano8	A_51_P166948	ref NM_001164679 ens ENSMUST00000093450 gb BC027790 gb BC027735
Lars	A_51_P168123	ref NM_134137 ens ENSMUST00000097590 gb BC006060 gb AK049472
Kcns1	A_51_P170476	ref NM_008435 ens ENSMUST00000045196 gb AF008573 gb AK140377
Pebp1	A_51_P171697	ref NM_018858 ens ENSMUST00000059068 ens ENSMUST00000036951 gb AK213682

Supplementary Table 2
(Continued)

Bcl11b	A_51_P171772	reflNM_021399 reflNM_001079883 ens ENSMUST00000066047 ens ENSMUST00000109887
S100a1	A_51_P172475	reflNM_011309 ens ENSMUST00000060738 ens ENSMUST00000107340 gb AF087687
Actb	A_51_P173760	reflNM_007393 gb BC138614 gb BC138611 gb J04181
Pnkd	A_51_P177622	reflNM_025580 reflXM_891536 reflXM_917266 ens ENSMUST00000113805
Igdcc3	A_51_P179921	reflNM_008988 ens ENSMUST00000034961 gb AK051027 gb AK011484
Serpinb1a	A_51_P181297	reflNM_025429 ens ENSMUST00000021833 ens ENSMUST00000076352 ens ENSMUST00000091668
Bcat2	A_51_P181448	reflNM_009737 ens ENSMUST00000033098 ens ENSMUST00000120296 ens ENSMUST00000117366
Paf1	A_51_P183995	reflNM_019458 ens ENSMUST00000003529 gb AK169292 gb AK134857
Pcdhb7	A_51_P184223	reflNM_053132 ens ENSMUST00000053037 gb AK043979 gb AK046463
Scn3b	A_51_P184340	reflNM_178227 reflNM_153522 reflNM_001083917 ens ENSMUST00000049941
Od2	A_51_P184853	reflNM_011856 ens ENSMUST00000102801 gb AK122455 gb AF195419
Abcg2	A_51_P184886	reflNM_011920 ens ENSMUST00000031822 ens ENSMUST00000114294 gb AF140218
Dhx35	A_51_P185563	reflNM_145742 ens ENSMUST00000109478 ens ENSMUST00000029186 ens ENSMUST00000109476
Slk3	A_51_P186469	gb AK017789 riken 5730525O22 nap NAP009943-001 tc TC1583680
Gm2881	A_51_P186798	reflXM_001475285 gb AK076764 riken 4930439M07 nap NAP119166-1
Nol1	A_51_P187210	reflNM_133702 reflNM_001161329 ens ENSMUST00000106757 ens ENSMUST00000018577
Fbxo7	A_51_P188135	reflNM_153195 ens ENSMUST00000117597 ens ENSMUST00000120344 ens ENSMUST00000001837
Stim1	A_51_P188373	reflNM_009287 reflXM_001475098 ens ENSMUST00000033289 gb U47323
Dad1	A_51_P189905	reflNM_001113358 ens ENSMUST00000022781 gb AK002446 gb U83628
Cep250	A_51_P191087	reflNM_001129999 reflNM_001130000 reflNM_008383 reflNM_177217
Rnf31	A_51_P191469	reflNM_194346 ens ENSMUST00000019443 gb AY283085 gb AK131160
Gm4645	A_51_P193161	reflXM_001480950 reflXM_001473776 reflXM_001472530 reflXM_001473642
Mrps7	A_51_P193302	reflNM_025305 ens ENSMUST00000058109 gb AK009251 gb BC049636
Lrp1	A_51_P193794	reflNM_008512 ens ENSMUST00000049149 gb AK081134 gb X67469
Glyctk	A_51_P194004	reflNM_174846 reflNM_001039586 ens ENSMUST00000036382 ens ENSMUST00000112543
Thrs	A_51_P194099	reflNM_009381 ens ENSMUST00000043077 gb BC009165 gb AK077300
Zfp330	A_51_P195625	reflNM_145600 ens ENSMUST00000034147 gb AK050534 gb AK037748
Papss1	A_51_P196127	reflNM_011863 ens ENSMUST00000029666 gb AK160875 gb AK169117
Xrcc3	A_51_P197043	reflNM_028875 ens ENSMUST00000021715 gb AK014491 gb BC043073
Cct7	A_51_P197259	reflNM_007638 ens ENSMUST00000032078 gb AK202338 gb AK198159
Atad5	A_51_P197618	gb AK048355 riken C130052G03 nap NAP118386-1 tc TC1636312
Tekt5	A_51_P197645	ens ENSMUST00000043415 gb AK014352 riken 3300001K11 nap NAP091236-1
Caln1	A_51_P199407	reflNM_021371 reflNM_181045 ens ENSMUST00000086029 ens ENSMUST00000111288
Olfir744	A_51_P199447	reflNM_001011738 ens ENSMUST00000066457 gb AF121973 gb BC138726
1600014C10Rik	A_51_P199552	reflNM_028166 reflNM_001085385 gb BC019834 gb BC010476
Med26	A_51_P199567	reflNM_027485 ens ENSMUST00000058534 gb AK017726 gb AK083035
Dzip11	A_51_P199618	reflNM_028258 ens ENSMUST00000112884 ens ENSMUST00000112886 ens ENSMUST00000112885
Zbtb12	A_51_P200610	reflNM_198886 ens ENSMUST00000052778 gb BC062159 gb BC020447
Pnpla8	A_51_P201105	reflNM_026164 ens ENSMUST00000043082 gb AK084928 gb AK008684
Stat3	A_51_P201480	reflNM_213659 reflNM_213660 reflNM_011486 ens ENSMUST00000092671
Mpdu1	A_51_P201730	reflNM_011900 ens ENSMUST00000018905 ens ENSMUST00000094073 gb AK089426
Ncapd2	A_51_P202074	reflNM_146171 ens ENSMUST00000112291 ens ENSMUST00000043848 gb AK156143
Foxh1	A_51_P203138	reflNM_007989 ens ENSMUST00000037824 gb AF069303 gb AF079514
Cd34	A_51_P204740	reflNM_133654 reflNM_001111059 ens ENSMUST00000016638 gb AK053874
Cnih2	A_51_P204801	reflNM_009920 reflXM_001473093 ens ENSMUST00000025805 gb AK141483
Mif1	A_51_P205106	reflNM_010801 reflNM_001039543 ens ENSMUST00000061322 ens ENSMUST00000077916
Hbxip	A_51_P205865	reflNM_026774 reflXM_001476798 gb BC028547 gb AK146289
Gm14288	A_51_P206849	reflNM_001033123 reflXM_001004283 reflXM_001480623 reflXM_001004267
Slc35f1	A_51_P207183	reflNM_178675 ens ENSMUST00000105473 gb AK048957 gb AK165021
Smu1	A_51_P210072	reflNM_021535 ens ENSMUST00000030117 ens ENSMUST00000108099 gb AB044414
Eif3j	A_51_P211341	reflNM_144545 gb AK154934 gb AK161038 gb AK147154
Lcmt1	A_51_P211964	reflNM_025304 ens ENSMUST00000033025 gb BC132507 gb BC132509
Zfp800	A_51_P212840	reflNM_001081678 ens ENSMUST00000035930 ens ENSMUST00000115320 ens ENSMUST00000115321
Tbc1d20	A_51_P214107	reflNM_024196 gb BC002196 gb AK213557 gb AK181212
Stk17b	A_51_P214197	reflNM_133810 ens ENSMUST00000027263 gb BC006579 gb AK035693
Plac9	A_51_P215627	reflNM_207229 reflXM_001472394 reflXM_001472576 ens ENSMUST00000052286
A130022J15Rik	A_51_P216702	reflNM_175313 ens ENSMUST00000054344 gb BC048939 gb AK037507
Efr3b	A_51_P217227	reflNM_001082483 ens ENSMUST0000011178 ens ENSMUST00000077156 gb AK129247
2410004P03Rik	A_51_P217415	reflXM_126830 reflXM_920599 ens ENSMUST00000095823 gb AK010406
Mme11	A_51_P217517	reflNM_013783 ens ENSMUST00000105634 ens ENSMUST00000105635 ens ENSMUST00000080559
Oxa1l	A_51_P219061	reflNM_026936 gb AK028379 gb AK212105 gb AK216426
Pfn1	A_51_P220993	reflNM_011072 ens ENSMUST00000018437 gb AK028117 gb AK150780
Arsg	A_51_P221263	reflNM_028710 reflNM_001166177 ens ENSMUST00000020928 ens ENSMUST00000106697
D14Ert449e	A_51_P222453	reflNM_025311 reflXM_001472492 reflXM_001472657 reflXM_001472510
Ppm1f	A_51_P224564	reflNM_176833 ens ENSMUST00000027373 gb AK154192 gb AK164964
Prr5l	A_51_P225793	reflNM_175181 reflNM_001083810 reflNM_001110849 ens ENSMUST00000043845
Ramp3	A_51_P226791	0
Tmx4	A_51_P227090	reflNM_019511 reflXM_001475752 ens ENSMUST00000045374 gb AK005513
Tmx4	A_51_P227866	reflNM_029148 ens ENSMUST00000038228 gb AK040779 gb AK030696
Etnk1	A_51_P229599	reflNM_029250 ens ENSMUST00000032413 gb AK044502 gb AK033268
Rprd1b	A_51_P229633	reflNM_027434 gb DQ372939 gb BC028819 gb AK152125
Agfg2	A_51_P232384	reflNM_145566 gb BC003330 nap NAP024698-001 tc TC1586974
Rbck1	A_51_P233578	reflNM_019705 reflNM_001083921 ens ENSMUST00000109847 ens ENSMUST00000028964
Tmem126a	A_51_P233815	reflNM_025460 ens ENSMUST00000032844 gb EF437357 gb AK005343
Phkg2	A_51_P235909	reflNM_026888 ens ENSMUST00000121004 ens ENSMUST00000033086 gb BC138913
Aplp2	A_51_P237593	gb Z27070 tc TC1590275 tc TC1738610

Supplementary Table 2
(Continued)

Plcd1	A_51_P239766	ref NM_019676 ens ENSMUST00000010804 gb AK082890 gb AK028749
Prkdc	A_51_P241667	ref NM_011159 ens ENSMUST00000023352 gb U78157 gb U78158
Trpc4ap	A_51_P242114	ref NM_019828 ref NM_001163452 ens ENSMUST00000041059 ens ENSMUST00000103140
Dusp16	A_51_P242634	gb AF345951 gb AF345952 gb AF345953 gb AF345954
Myf6	A_51_P243726	ref NM_010860 ref XM_484859 ref XM_905351 ref XM_485359
Qrsf1	A_51_P243930	ref NM_001081054 ens ENSMUST00000020012 gb BC070459 gb AK012351
Snapc5	A_51_P244061	ref NM_183316 ens ENSMUST00000034965 gb AK008302 gb AK010023
Pkd1	A_51_P249127	ref NM_013630 ens ENSMUST00000035565 gb U70209 gb AK147429
Sec16a	A_51_P249348	ref NM_153125 ens ENSMUST00000114082 ens ENSMUST00000091252 ens ENSMUST00000028290
Slc30a1	A_51_P250378	ref NM_009579 ens ENSMUST00000044954 gb BC052166 gb AK145100
Actb	A_51_P251154	gb BC016624 nap NAP058693-1 tc TC1619697
Lemd2	A_51_P251508	ref NM_146075 gb BC050010 gb AK217086 gb AK082131
Ctstl	A_51_P253547	ref NM_009984 ens ENSMUST00000021933 gb AK145051 gb J02583
Birc2	A_51_P254471	ref NM_007465 ens ENSMUST00000074246 gb BC145985 gb L49433
Ptgs2	A_51_P254855	ref NM_011198 ens ENSMUST00000035065 gb AK149820 gb M64291
Serf1	A_51_P254986	ref NM_011353 ens ENSMUST00000022145 gb AK005773 gb BC028510
Ntf5c3	A_51_P255360	ref NM_026004 ens ENSMUST00000031793 ens ENSMUST00000116607 ens ENSMUST00000101367
Scarb1	A_51_P255817	ref NM_016741 ens ENSMUST00000086075 ens ENSMUST0000011390 gb AK010622
Ube2j1	A_51_P257107	ref NM_019586 ens ENSMUST00000029944 ens ENSMUST00000108163 gb AK160428
Ddrgk1	A_51_P257156	ref NM_029832 ens ENSMUST00000089559 gb AK011170 gb BC115616
	A_51_P258566	gb BC058680 gb BC025868 gb BC023912 gb AK046448
Rsu1	A_51_P258671	ref NM_009105 ens ENSMUST00000028059 ens ENSMUST00000114791 gb X63039
Arhgef4	A_51_P260504	ref NM_183019 ens ENSMUST00000047664 gb AK169957 gb AK138598
Amdhd2	A_51_P260658	ref NM_172935 ens ENSMUST00000040735 gb AK090009 gb AK159860
Fbxo33	A_51_P261324	ref NM_001033156 gb AK132233 gb AK017744 gb BC006669
Acly	A_51_P261718	ref NM_134037 ens ENSMUST00000100457 ens ENSMUST00000007131 ens ENSMUST00000107389
Sfrs2	A_51_P262432	ref NM_011358 ref XM_001480574 ens ENSMUST00000092404 gb U14648
Sfrs2	A_51_P262437	gb U14648 tc NP056412
Nans	A_51_P262871	ref NM_053179 ens ENSMUST00000030018 gb AK169211 gb AB041263
Pgam2	A_51_P264495	ref NM_018870 ens ENSMUST00000020768 gb AF029843 gb AK146703
Fbxo27	A_51_P265173	ref NM_207238 ref NM_001163702 ens ENSMUST00000039998 ens ENSMUST00000108280
Edc4	A_51_P266103	ref NM_181594 ens ENSMUST00000040254 ens ENSMUST00000119261 gb AK146527
Slc15a2	A_51_P267278	ref NM_021301 ens ENSMUST00000023616 gb AF111811 gb AK128939
Itm2c	A_51_P267370	ref NM_022417 ens ENSMUST00000027425 gb AK190372 gb AK036377
2010012O05Rik	A_51_P267508	ref NM_025563 ens ENSMUST00000074912 gb AK008215 gb BC027506
Rhbd13	A_51_P267877	ref NM_139228 ens ENSMUST00000017836 gb AK041678 gb BC054784
Snhg11	A_51_P267933	ref NM_175692 ens ENSMUST00000109488 gb BC028327 gb AK147324
Pin4	A_51_P270478	ref NM_027181 ref XM_892890 ref XM_917178 ens ENSMUST00000113627
Traf2	A_51_P270819	ref NM_009422 ens ENSMUST00000114234 ens ENSMUST00000028311 gb AK159581
Lhfp14	A_51_P271425	ref NM_177763 gb AK220449 gb AK004487 riken 1190004M23
Ctnnb1	A_51_P272046	ref NM_007614 ref NM_001165902 ens ENSMUST00000007130 gb M90364
Sord	A_51_P273596	ref NM_146126 ens ENSMUST00000028657 ens ENSMUST00000110551 gb AK004692
Slc12a2	A_51_P275527	ref NM_009194 ref XM_001477704 ens ENSMUST00000115366 gb U13174
Gemin5	A_51_P278184	ref NM_172558 ref NM_001166669 ref NM_001166670 ref NM_001166671
Mrip40	A_51_P278532	ref NM_010922 ens ENSMUST00000119273 ens ENSMUST00000023391 gb AK037846
BC051142	A_51_P279284	ref NM_001001177 ref NM_001163855 ens ENSMUST00000068051 ens ENSMUST00000114175
Rel1	A_51_P279704	ref NM_145923 gb BC024679 gb AK159944 gb AK161061
Anxa11	A_51_P280597	ref NM_013469 ref XM_001472963 ref XM_001473015 gb AK137158
Pon2	A_51_P280928	ref NM_183308 ens ENSMUST00000057792 gb L48514 gb AK146311
Ppapdc1b	A_51_P281593	ref NM_028000 ens ENSMUST00000068916 gb AK144593 gb AK007542
Gm14410	A_51_P283292	ref NM_001113806 ref XM_902322 ref XM_001472314 ref XM_001472066
Sox11	A_51_P283516	ref NM_009234 ens ENSMUST00000079063 gb AK017690 gb AK020994
	A_51_P283698	ens ENSMUST00000082184 gb AF059177 nap NAP013795-001 tc NP048691
Znrd1	A_51_P286142	ref NM_023162 ens ENSMUST00000113669 ens ENSMUST00000057564 gb AF230339
Gap43	A_51_P290065	ref NM_008083 ens ENSMUST00000102817 gb J02809 gb BC080758
Pecr	A_51_P291749	ref NM_023523 ens ENSMUST00000027381 gb AK162100 gb AK010260
Fis1	A_51_P291866	ref NM_025562 ref NM_001163243 ens ENSMUST00000111097 ens ENSMUST00000111094
P4htm	A_51_P292527	ref NM_028944 ens ENSMUST00000006853 gb BC111871 gb AK016685
Senp6	A_51_P293989	ref NM_146003 ens ENSMUST00000037484 gb AK028461 gb BC052718
Prkar1a	A_51_P294095	ref NM_021880 ens ENSMUST00000106677 gb BC003461 gb AK019147
Gcap14	A_51_P295175	ref NM_027045 ens ENSMUST00000111893 ens ENSMUST00000090024 gb AK013689
Brd2	A_51_P295652	ref NM_001025387 ref NM_010238 ref XM_001475638 ens ENSMUST00000114241
Gadd45a	A_51_P296608	ref NM_007836 ens ENSMUST00000043098 gb AK144900 gb L28177
Msra	A_51_P299243	ref NM_026322 ens ENSMUST00000067927 ens ENSMUST00000089333 gb AK049714
Gsp12	A_51_P301394	ref NM_008179 ens ENSMUST00000096368 gb BC117825 gb BC117826
Pxk	A_51_P302538	ref NM_145458 ref NM_178279 ref XM_001472989 ens ENSMUST00000036682
Pepd	A_51_P303397	ref NM_008820 ens ENSMUST00000075068 ens ENSMUST00000108064 gb AK197573
Zfp277	A_51_P303728	ref NM_172575 ref NM_178845 ens ENSMUST00000069692 ens ENSMUST00000069637
Afap111	A_51_P303739	ref NM_178928 ens ENSMUST00000035734 ens ENSMUST00000120472 gb AK035227
Tpcn1	A_51_P304296	gb AK077411 riken 5730403B01 nap NAP119324-1
Zfand6	A_51_P304859	ref NM_022985 ens ENSMUST00000069537 gb AK002775 gb AK144902
Krtap5-1	A_51_P305642	ref NM_015808 ref XM_001480754 ref XM_001480790 ens ENSMUST00000080669
Ddah1	A_51_P307168	ref NM_026993 gb BC060266 gb AK149185 gb AK034396
BC046331	A_51_P309293	gb AK129163 gb BC060106 gb BC023302 gb BC027578
Oaz2	A_51_P311945	ref NM_010952 ens ENSMUST00000046490 gb AK160444 gb AK143231
Aak1	A_51_P312095	ref NM_001040106 ref NM_177762 ref XM_001480194 ref XM_001479174

Supplementary Table 2
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Depdc5	A_51_P313035	ref NM_001025426 ref NM_001170567 ens ENSMUST00000120902 ens ENSMUST00000119705
	A_51_P313120	ens ENSMUST00000106545 ens ENSMUST00000051400 gb AK038526 riken A230025G20
Cd6	A_51_P313320	ref NM_001037801 ref NM_009852 ens ENSMUST00000080292 ens ENSMUST00000039043
Tmem86a	A_51_P314285	ref NM_026436 ens ENSMUST00000010451 gb AK075589 gb AK007864
Usp11	A_51_P315673	ref NM_145628 ens ENSMUST00000033383 gb AK031767 gb AK172230
Kcnk6	A_51_P315890	ref NM_001033525 ens ENSMUST00000085818 gb AK036882 gb AK163847
Iscu	A_51_P316188	ref NM_025526 ref XM_001473815 ref XM_001473852 ens ENSMUST00000112312
Ccdc6	A_51_P316949	ref NM_001111112 ref XM_908442 gb AK012728 riken 2810012H18
Lsm14a	A_51_P320860	ref NM_025948 ens ENSMUST00000085585 ens ENSMUST00000108072 ens ENSMUST00000108071
Shisa9	A_51_P323212	ref NM_028277 gb AK049860 gb BC030884 riken C630004G15
Sdc4	A_51_P323248	ref NM_011521 gb AK149784 gb AK145805 gb D89571
Fam71e1	A_51_P323531	ref NM_028169 ens ENSMUST00000107927 gb AK006229 gb BC100470
Kif1b	A_51_P324097	ref NM_207682 ens ENSMUST00000060537 ens ENSMUST00000055647 ens ENSMUST00000105694
Myf1p	A_51_P324303	ref NM_153789 ens ENSMUST00000038275 gb BC010206 gb AK034887
Hnrmpu	A_51_P324393	ref NM_016805 ens ENSMUST00000037748 gb AK037517 gb AF073992
Gm14288	A_51_P324768	ref NM_001033123 ref XM_001480623 ref XM_001004283 ref XM_001004267
Man2a1	A_51_P324923	ref NM_008549 ens ENSMUST00000086723 gb AK081775 gb X61172
Cd47	A_51_P325651	gb AK164165 gb AK021021 riken B430305P08 riken C630029017
	A_51_P325747	gb AK046042 riken B230337G05 nap NAP019098-001
Ddx25	A_51_P326229	ref NM_013932 ens ENSMUST00000034612 gb AF142630 gb AK078340
Lenep	A_51_P327232	ref NM_020517 ens ENSMUST00000057431 gb BC009152 gb AK053703
Yipf1	A_51_P327904	ref NM_145550 ens ENSMUST00000075693 ens ENSMUST00000106744 gb AK214559
Ncbp1	A_51_P328669	ref NM_001033201 ens ENSMUST00000030014 gb BC138898 gb AK134334
Zfp322a	A_51_P328968	ref NM_172586 ref NM_001111107 ens ENSMUST00000050101 gb AK036302
Rreb1	A_51_P329512	ref NR_033218 ens ENSMUST00000037232 ens ENSMUST00000061817 gb BC051573
Alg1	A_51_P329793	ref NM_145362 ens ENSMUST00000100196 ens ENSMUST00000049207 gb BC011281
Zfp598	A_51_P329855	ref NM_183149 ens ENSMUST00000047179 ens ENSMUST00000088395 gb AK138860
Srxn1	A_51_P330125	ref NM_029688 ens ENSMUST00000041500 ens ENSMUST00000099225 gb AK007296
Paip2b	A_51_P331385	ref NM_146169 ens ENSMUST00000058383 gb AK173114 gb AK159287
Cgrrf1	A_51_P331462	ref NM_026832 ens ENSMUST00000068532 gb AK007402 gb AK154797
Top1mt	A_51_P332676	ref NM_028404 ens ENSMUST00000000958 gb BC138582 gb BC138583
Tmem120a	A_51_P333349	ref NM_172541 ens ENSMUST00000043378 gb AK028119 gb AK050367
Clvs2	A_51_P333859	ref NM_175448 ens ENSMUST00000019920 gb AK139868 gb AK039308
Nudt16	A_51_P334789	ref NM_029385 ens ENSMUST00000035179 gb AK013493 gb AK009737
Tmem114	A_51_P335702	ref NM_029070 ens ENSMUST00000023400 gb BC147190 gb BC147191
Sfrs9	A_51_P336691	ref NM_025573 ens ENSMUST00000031513 gb AK159190 gb AK011621
Cd320	A_51_P337510	ref NM_019421 ens ENSMUST00000002379 ens ENSMUST00000087559 gb AK021187
Pcdhb17	A_51_P337771	ref NM_053142 ens ENSMUST00000053856 gb AK077255 gb AF326310
Snta1	A_51_P339232	ref NM_009228 ens ENSMUST00000028991 ens ENSMUST00000109728 gb AK137379
Tet2	A_51_P340083	ref NM_001040400 ens ENSMUST00000041994 ens ENSMUST00000098603 gb AK053408
G3bp2	A_51_P340200	ref NM_011816 ref NM_001080795 ref NM_001080794 ref NM_001080797
C2cd2l	A_51_P342835	ref NM_027909 ens ENSMUST00000060580 ens ENSMUST00000085976 ens ENSMUST00000034634
S100a10	A_51_P342871	ref NM_009112 ens ENSMUST00000045756 gb AK161647 gb AK170919
Ehmt2	A_51_P343016	ref NM_145830 ref NM_147151 ens ENSMUST00000114028 ens ENSMUST00000013931
Psap11	A_51_P345073	ref NM_175249 ens ENSMUST00000052224 gb AK028455 gb AK009408
Sfxn2	A_51_P345248	ref NM_053196 ref XM_001000919 ens ENSMUST00000026011 gb AF325261
Pafah2	A_51_P345896	ref NM_133880 ens ENSMUST00000039233 ens ENSMUST00000105869 ens ENSMUST00000105870
Ptp4a2	A_51_P346516	ref NM_008974 ref NM_001164745 ens ENSMUST00000030578 gb AF035644
Rragc	A_51_P346826	ref NM_017475 ens ENSMUST00000030399 gb AK186486 gb AK159434
Ifit20	A_51_P346862	ref NM_018854 ens ENSMUST00000050366 ens ENSMUST00000108275 gb AK139942
Ncam1	A_51_P347103	ref NM_001113204 ens ENSMUST000000114483 gb X15052 gb X07244
Ecsit	A_51_P348548	ref NM_012029 ens ENSMUST00000098937 gb AK007564 gb AK012835
Npc1	A_51_P349341	ref NM_008720 ens ENSMUST00000025279 gb AF003348 gb BC052437
Sfrp1	A_51_P352296	ref NM_013834 ens ENSMUST00000033952 gb U88566 gb AK081052
Minpp1	A_51_P353008	ref NM_010799 ens ENSMUST00000025827 gb AK151486 gb AK128911
1300001101Rik	A_51_P354272	ref NM_001081158 ens ENSMUST00000092915 gb AK154925 gb AK215921
Tbc1d9b	A_51_P354461	ref NM_029745 ens ENSMUST00000101270 ens ENSMUST00000093138 gb AK172999
2010011120Rik	A_51_P354526	ref NM_025912 gb BC016210 gb AK148334 gb AK149497
Eps15l1	A_51_P354766	ref NM_007944 ens ENSMUST0000006439 ens ENSMUST00000098628 ens ENSMUST00000109977
Snmp70	A_51_P356144	ref NM_009224 ens ENSMUST00000063243 ens ENSMUST00000074575 gb BC131994
Chga	A_51_P358316	ref NM_007693 ens ENSMUST00000021610 gb AK144504 gb IM64278
Nsg1	A_51_P358755	ref NM_010942 ens ENSMUST00000031009 gb AF531172 gb AK076451
	A_51_P359432	gb AK045942 riken B230325123 tc TC1595828
Gm4455	A_51_P359473	ref NM_001142957 ref NM_029952 gb BC094586 gb AK013605
Spen	A_51_P360106	ref NM_019763 ens ENSMUST00000105787 ens ENSMUST00000078886 ens ENSMUST00000105786
Txn14a	A_51_P360836	ref NM_178604 ref NM_001038608 ref NM_001042408 ens ENSMUST00000025463
Agpat5	A_51_P361286	ref NM_026792 gb AK082137 gb AK036706 riken C230012M10
	A_51_P361328	gb AK005483 gb BC037517 riken 1600017J22 nap NAP090809-1
Rrp7a	A_51_P361906	ref NM_029101 ref XM_001477924 ref XM_918183 ens ENSMUST00000105101
Trf	A_51_P362638	ref NM_133977 ens ENSMUST00000035158 ens ENSMUST00000112645 gb M23016
	A_51_P362671	gb AK031890 gb AV328356 riken 6330441F13 nap NAP119189-1
Prss22	A_51_P363258	ref NM_133731 ens ENSMUST00000041649 gb BC055854 gb AB010778
lth5	A_51_P364250	ref NM_172471 ens ENSMUST00000026886 gb AK134707 gb AK140756
Tmem101	A_51_P365656	ref NM_029649 ens ENSMUST00000021296 gb AK049378 gb AK140260
Fam43a	A_51_P365854	ref NM_177632 ens ENSMUST00000059078 gb AK137950 gb BC022623
Trdmt1	A_51_P365952	ref NM_010067 ens ENSMUST00000028055 gb BC087892 gb AF012129

Supplementary Table 2
(Continued)

Nsun7	A_51_P367025	gb AK035181 riken 9430096N11 nap NAP078568-1 tc TC1588243
Pold1	A_51_P367125	ref NM_011131 ens ENSMUST00000049343 gb AK167569 gb AK166592
G3bp1	A_51_P367343	ref NM_013716 gb AB001927 gb CN536972 nap NAP098269-001
Polr2g	A_51_P367843	ref NM_026329 ens ENSMUST00000096261 gb AK011627 gb AK013134
Tle6	A_51_P368591	ref NM_053254 ens ENSMUST00000072020 gb AK154391 gb AF145957
H2-Ke2	A_51_P368855	ref NM_010385 ens ENSMUST00000025163 gb AK167900 gb M65255
Gnpda1	A_51_P370315	ref NM_011937 ref NR_028061 ens ENSMUST00000063814 gb AF160355
Pttg1	A_51_P371190	ref NM_013917 ref NM_001131054 ens ENSMUST00000121638 ens ENSMUST00000020687
Trim35	A_51_P373777	ref NM_029979 ens ENSMUST00000022623 ens ENSMUST00000111119 gb AK202259
Rabac1	A_51_P374383	ref NM_010261 ens ENSMUST00000076961 ens ENSMUST00000050267 gb AF252856
Dbnl	A_51_P375267	gb U58884
Mettl14	A_51_P377403	ref NM_201638 ens ENSMUST00000029759 gb AK089949 gb AK146881
Ubr4	A_51_P380153	ref NM_001160319 ens ENSMUST00000097822 gb BC057625 gb AK083644
Msl1	A_51_P380249	ref NM_028722 ref XM_001478965 ref XM_001478973 ens ENSMUST00000037915
Dhds1	A_51_P384618	ref NM_026144 ens ENSMUST00000012262 gb AK014317 gb AK084682
Zfp462	A_51_P387138	ref NM_172867 ens ENSMUST00000079605 ens ENSMUST00000030131 ens ENSMUST00000098070
Bat1a	A_51_P388099	ref NM_019693 ens ENSMUST00000093645 ens ENSMUST00000068056 gb AY255786
Eif3d	A_51_P388158	ref NM_018749 ens ENSMUST00000100484 ens ENSMUST00000016698 gb AK145689
1190003J15Rik	A_51_P389479	gb AK004470 riken 1190003J15
	A_51_P389506	ens ENSMUST00000118121 gb BC012231 gb AK005298 riken 1500026F15
Pacs2	A_51_P390446	ref NM_001081170 ens ENSMUST00000084891 ens ENSMUST00000019147 gb AK122326
5730494N06Rik	A_51_P390586	ref NM_027478 ref NM_001141971 ref XM_924773 ens ENSMUST00000028816
Tjp1	A_51_P390739	ref NM_009386 ref NM_001163574 ens ENSMUST00000102592 ens ENSMUST00000032729
Ube2e1	A_51_P390775	ref NM_009455 ens ENSMUST00000022296 gb X92665 gb AK148266
Ang	A_51_P391159	ref NM_007447 ref NM_001161731 ens ENSMUST00000069011 gb AK159966
D8Ertd738e	A_51_P391668	ref NM_001007571 ref XM_001471475 ens ENSMUST00000019506 gb AK167785
Car8	A_51_P392005	ref NM_007592 ref XM_001473032 ens ENSMUST00000066674 ens ENSMUST00000098290
Lrrn3	A_51_P392303	ref NM_010733 ens ENSMUST00000043884 gb D49802 gb BC069041
Thumpd1	A_51_P392518	ref NM_145585 ens ENSMUST00000033236 gb AK032078 gb AK152912
BC023882	A_51_P392546	ref NM_146159 ens ENSMUST00000060049 gb AK161756 gb BC023882
Napepld	A_51_P392943	ref NM_178728 ens ENSMUST00000060899 ens ENSMUST00000057599 ens ENSMUST00000115217
Snx22	A_51_P394585	ref NM_001025612 ens ENSMUST00000044711 gb AK032028 riken 6330551A05
Uchl4	A_51_P395921	ref NM_033607 ens ENSMUST00000039011 gb BC139440 gb BC139441
Gsto2	A_51_P396852	ref NM_026619 ens ENSMUST00000056159 ens ENSMUST00000120645 gb AK075753
Ttrap	A_51_P397639	ref NM_009536 gb D87663 gb AK075995 gb AK135831
Dennd5b	A_51_P399477	ref NM_030179 ref NM_175378 ref XM_001480234 ref XM_001480238
Hook2	A_51_P399866	ref NM_010656 ens ENSMUST00000111701 ens ENSMUST00000111702 ens ENSMUST00000032383
Ywhae	A_51_P400236	ref NM_053072 ens ENSMUST00000020208 gb AK016940 gb AK173157
Cltp4	A_51_P400699	ref NM_175641 ref NM_001113549 ens ENSMUST00000038618 ens ENSMUST00000108369
Smad7	A_51_P403636	ref NM_001042660 ens ENSMUST00000026999 gb AK133505 gb AJ000550
Usp24	A_51_P407580	ref NM_183225 ref XM_001473472 gb BC030081 gb AK012842
Pcgf5	A_51_P407989	ref NM_029508 ens ENSMUST00000062389 ens ENSMUST00000071267 gb BC145590
Ldhb	A_51_P409173	ref NM_008492 ens ENSMUST00000032373 gb AK019391 gb AK131637
Prsc1	A_51_P409694	ref NM_019976 ens ENSMUST00000090561 ens ENSMUST00000102630 ens ENSMUST00000102629
Hdgfrp3	A_51_P410581	ref NM_013886 ens ENSMUST00000026094 ens ENSMUST00000107306 ens ENSMUST00000107305
Sdha	A_51_P410823	ref NM_023281 gb AK034928 gb AK147286 gb AK147624
A830007P12Rik	A_51_P410918	ref NM_146115 ens ENSMUST00000081869 gb AK082899 gb AK154508
Cdk2ap1	A_51_P411007	ref NM_013812 ref XM_001478266 ens ENSMUST00000111472 ens ENSMUST00000111473
Trpc6	A_51_P411452	ref NM_013838 ens ENSMUST00000050433 ens ENSMUST00000098989 gb BC141131
Gm4980	A_51_P413251	ref NM_486328 ref XM_905189 gb AK032609 riken 6430704N06
Zfp654	A_51_P413255	ref NM_028059 gb AK007382 gb BC027760 gb BC068018
Tmco3	A_51_P413853	ref NM_172282 ens ENSMUST00000045229 gb AK033499 gb AK088866
Exosc9	A_51_P416243	ref NM_019393 ref XM_983011 ens ENSMUST00000029269 gb AK076096
Zfp236	A_51_P417321	ref NM_177832 ens ENSMUST00000097504 gb AK156842 gb AK041130
Aktip	A_51_P417477	ref NM_010241 ens ENSMUST00000120349 ens ENSMUST00000120213 gb X71978
Manf	A_51_P418168	ref NM_029103 ens ENSMUST00000069036 gb AK167580 gb AK014338
Gadd45gip1	A_51_P419086	ref NM_183358 gb AK003314 gb AK009723 gb AK028227
Ptxdc2	A_51_P420276	ref NM_026162 ens ENSMUST00000028081 ens ENSMUST00000114703 ens ENSMUST00000114702
Srd5a1	A_51_P420415	ref NM_175283 ens ENSMUST00000091514 gb BC079863 riken 0610031P22
Prps2	A_51_P421244	ref NM_026662 ens ENSMUST00000026839 gb AK012819 gb AK187858
Klhl7	A_51_P423008	ref NM_026448 ref NM_001161800 ens ENSMUST00000030841 gb AK089072
Fez2	A_51_P423444	ref NM_199448 ens ENSMUST00000070039 ens ENSMUST00000112487 gb AK150241
Smardc3	A_51_P423880	ref NM_025891 ens ENSMUST00000030791 gb AK005094 gb AK019374
Crem	A_51_P423976	ref NM_013498 ref NM_001110859 ref NM_001110857 ref NM_001110858
Sumo3	A_51_P424448	ref NM_019929 ens ENSMUST00000020501 ens ENSMUST00000099538 gb AK207570
Nmnat3	A_51_P424739	ref NM_144533 ens ENSMUST00000112937 ens ENSMUST00000035031 ens ENSMUST00000112935
Ftsj1	A_51_P426559	ref NM_133991 ref XM_001472680 ens ENSMUST00000115595 ens ENSMUST00000115594
Asap2	A_51_P427080	ref NM_001004364 ref NM_001135192 ref NM_001098168 ens ENSMUST00000064595
Fam134b	A_51_P428578	ref NM_025459 ens ENSMUST00000110438 gb AK015182 gb AK007506
Cdc5l	A_51_P429046	ref NM_152810 ref XM_001480718 ref XM_001480720 ens ENSMUST00000024727
Gfod1	A_51_P431967	ref NM_001033399 ens ENSMUST00000055341 gb AK036079 gb AK147458
H2-T22	A_51_P432538	ref NM_010397 ref NM_010395 ref NM_010399 ref XM_001471650
H2-T22	A_51_P432544	ref NM_010397 ref NM_010399 ref XM_001471650 ref XM_001471649

Supplementary Table 2
(Continued)

Trappc3	A_51_P432930	reflNM_013718 ens ENSMUST00000030660 gb AF041433 gb AK168518
Evl	A_51_P433467	reflNM_007965 reflNM_001163394 reflNM_001163396 reflNM_001163395
Cul4a	A_51_P435251	reflNM_146207 ens ENSMUST00000016680 gb AK005426 gb BC010211
Rsph9	A_51_P435922	reflNM_029338 ens ENSMUST00000024762 gb AK006440 gb AK165820
Zfp871	A_51_P436447	reflNM_172458 ens ENSMUST00000057501 gb AK029041 gb BC043671
Kin	A_51_P436483	reflNM_025280 ens ENSMUST00000042512 gb AK132548 gb BC058169
Plrg1	A_51_P436796	reflNM_016784 ens ENSMUST00000122128 ens ENSMUST00000029628 gb AF044334
Cnmn1	A_51_P437068	reflNM_031396 ens ENSMUST00000026195 gb AF202994 nap NAP021641-001
Keap1	A_51_P438666	reflNM_016679 reflNM_001110305 reflNM_001110306 reflNM_001110307
Setd3	A_51_P439348	reflNM_028262 ens ENSMUST00000071095 ens ENSMUST00000099383 ens ENSMUST00000085012
Fam110b	A_51_P440865	reflNM_173426 ens ENSMUST00000054857 gb AK052596 gb AK146011
Snx13	A_51_P442091	reflNM_001014973 gb AK122352 gb AK033685 riken 9130219N21
Anapc7	A_51_P442481	reflNM_019805 ens ENSMUST00000031422 ens ENSMUST00000122010 gb AK164202
Acyp2	A_51_P443344	reflNM_029344 ens ENSMUST00000074613 ens ENSMUST00000109438 gb AK046238
Otlub1	A_51_P443393	reflNM_134150 reflXM_001476586 ens ENSMUST00000025679 gb BC022575
Ppa1	A_51_P443508	reflNM_026438 ens ENSMUST00000020286 gb CT010203 gb AK201001
Cldnd1	A_51_P446477	reflNM_171826 ens ENSMUST00000023426 gb AK216958 gb AK152121
Nupl2	A_51_P448447	reflNM_153092 gb AK194837 gb AK078478 gb BC033270
Wbp11	A_51_P448987	reflNM_021714 ens ENSMUST00000032340 ens ENSMUST00000116514 gb AK145917
Dnajc7	A_51_P449956	reflNM_019795 ens ENSMUST00000014339 ens ENSMUST00000107378 ens ENSMUST00000107380
111008F13Rik	A_51_P450100	reflNM_026124 ens ENSMUST00000029165 gb AK003568 gb AK002452
1110036O03Rik	A_51_P450952	ens ENSMUST00000066489 ens ENSMUST00000107402 gb AK029271 riken 4832408F05
BC011248	A_51_P455241	reflNM_144857 ens ENSMUST00000024766 gb AK148237 gb BC011248
Ring1	A_51_P455266	reflNM_009066 ens ENSMUST00000025183 gb Y12881 gb AK155509
Meg3	A_51_P455997	reflNR_027652 ens ENSMUST00000021696 gb AK148955 gb AK141629
9930013L23Rik	A_51_P456113	reflNM_030728 gb AK018112 gb BC056981 gb BC086772
9930013L23Rik	A_51_P456114	gb AK018112 riken 6330404C01
Vegfb	A_51_P458168	reflNM_011697 ens ENSMUST00000025914 gb U43836 gb AK148188
Ndufa12	A_51_P458538	reflNM_025551 ens ENSMUST00000020209 gb AK032774 gb AK153240
Ndufa12	A_51_P458540	reflNM_025551 ens ENSMUST00000020209 gb AK032774 gb AK153240
Gatm	A_51_P461319	reflNM_025961 ens ENSMUST00000028624 gb AK151313 gb AK007325
Hcfc2	A_51_P462286	gb AK018461 riken 8430436H03
Chst12	A_51_P464023	reflNM_021528 ens ENSMUST00000043050 gb AK171208 gb AK142155
Gnb4	A_51_P464308	reflNM_013531 ens ENSMUST00000029212 ens ENSMUST00000108234 gb AF501886
3632451O06Rik	A_51_P465147	ens ENSMUST00000036972 ens ENSMUST00000118129 gb AK049427 gb AK028178
Ctsb	A_51_P465148	reflNM_007798 ens ENSMUST00000006235 gb AK147192 gb AK083393
Mil1	A_51_P465409	reflNM_001081049 ens ENSMUST00000114689 ens ENSMUST00000002095 gb L17069
Hdh3	A_51_P465582	reflNM_024257 ens ENSMUST00000037820 gb BC003491 gb AK013245
Elp2	A_51_P465871	reflNM_021448 ens ENSMUST00000025120 ens ENSMUST00000115825 gb AK033246
Amhr2	A_51_P466221	reflNM_144547 ens ENSMUST00000023809 gb BC119571 gb AF503863
Ttc9	A_51_P466535	gb AK172918 gb AK051406 riken D130046M04 tc TC1613396
Sbds	A_51_P466875	reflNM_023248 ens ENSMUST00000026387 gb AK014648 gb AK168847
Dennd4a	A_51_P468240	reflNM_001162917 gb AK169826 gb AK046940 gb AK032655
	A_51_P469261	nap NAP057024-1
Eif2s2	A_51_P470724	reflNM_026030 gb BC003848 nap NAP092920-001 tc TC1573963
Pdlim2	A_51_P472726	reflNM_145978 ens ENSMUST00000022681 gb BC024556 riken 2310041E13
Siae	A_51_P473219	reflNM_011734 ens ENSMUST00000002007 gb AK167103 gb U40408
5330430C04Rik	A_51_P473554	gb AK019921 riken 5330430C04
Apex1	A_51_P473576	reflNM_009687 ens ENSMUST00000049411 gb AK013296 gb D90374
Col6a1	A_51_P474496	reflNM_009933 ens ENSMUST00000001147 ens ENSMUST00000105412 gb AK027944
Ccdc109a	A_51_P474709	gb AK008216 riken 2010012O16 nap NAP090864-1 tc TC1740634
Plcx2	A_51_P476492	reflNM_001134480 gb AK086534 gb BC049364 gb BC064457
Samd10	A_51_P478688	reflNM_172676 ens ENSMUST000000060173 gb BC019475 gb AK164204
Nosip	A_51_P479177	reflNM_025533 reflNM_001163684 ens ENSMUST00000003513 ens ENSMUST00000107830
Kilhd10	A_51_P479528	reflNM_029742 ens ENSMUST00000068259 ens ENSMUST00000068240 gb AK086657
Drap1	A_51_P479933	reflNM_024176 reflXM_001474658 ens ENSMUST00000113673 ens ENSMUST00000113674
Blmh	A_51_P480904	reflNM_178645 ens ENSMUST00000021197 gb BC027403 gb AK206222
Ccna2	A_51_P481920	reflNM_009828 ens ENSMUST00000029270 gb AK044924 gb BC052730
Cdh15	A_51_P481930	reflNM_007662 ens ENSMUST00000034443 gb BC157978 gb M74541
Gm13157	A_51_P482265	reflNM_001127189 gb AK011687 gb AK163132 riken 2610036A22
Rps17	A_51_P482473	reflNM_009092 reflNR_030688 reflXM_980426 reflXM_001476297
Phxr4	A_51_P483215	reflNR_028271 gb X12806 nap NAP017172-001 tc TC1591195
Rgl1	A_51_P485260	reflNM_016846 ens ENSMUST00000111857 ens ENSMUST00000027760 gb U14103
Parn	A_51_P485391	reflNM_028761 ens ENSMUST00000058884 gb AK004572 gb AK045181
Sfrs1	A_51_P485899	reflNM_001078167 reflNM_173374 reflXM_001480897 ens ENSMUST00000079866
Yipf3	A_51_P487278	reflNM_145353 ens ENSMUST00000095263 gb AK011822 gb AK149957
Hpcal1	A_51_P487360	reflNM_016677 ens ENSMUST00000071858 gb AK002849 gb AF085192
Mobkl1b	A_51_P487501	ens ENSMUST00000055261 gb AK167515 gb AK160521 gb AK152254
Acs2	A_51_P488399	reflNM_019811 ens ENSMUST00000103142 ens ENSMUST00000029135 ens ENSMUST00000109657
Mett5d1	A_51_P493105	reflNM_029790 ens ENSMUST00000081631 gb AK002682 gb BC106186
Kazald1	A_51_P493522	reflNM_178929 ens ENSMUST00000026234 ens ENSMUST00000111948 gb AK030678
Ttc13	A_51_P494622	reflNM_145607 ens ENSMUST00000118134 ens ENSMUST00000117624 ens ENSMUST00000041614
Cbx1	A_51_P495012	reflNM_007622 ens ENSMUST00000079702 ens ENSMUST00000093943 gb X56690
2610029G23Rik	A_51_P495171	reflNM_026312 ens ENSMUST00000033577 gb AK011610 gb AK007872
Ppp2r2d	A_51_P497061	reflNM_026391 ens ENSMUST00000041097 gb AK011198 gb AF366393
Gna11	A_51_P498004	reflNM_010301 ens ENSMUST00000043604 gb M57617 gb BC011169

Supplementary Table 2
(Continued)

Gria1	A_51_P498031	reflNM_008165 reflNM_001113325 reflXM_001472241 ens ENSMUST00000036315
Riok1	A_51_P498242	reflNM_024242 ens ENSMUST00000021866 gb BC002158 gb AK161315
Cnpy3	A_51_P498403	reflNM_028065 ens ENSMUST00000059844 gb AF361644 gb AK082749
Pdxk	A_51_P498640	reflNM_172134 gb BC027745 gb BC032171 nap NAP093285-001
Ankrd10	A_51_P499530	reflNM_133971 reflNR_030780 reflNR_030779 ens ENSMUST00000033905
Vldlr	A_51_P500044	reflNM_013703 reflNM_001161420 gb AK036010 riken 9630026O22
Dnrtt1	A_51_P500424	reflNM_133763 ens ENSMUST00000017443 gb AK168357 gb AB045974
Tnlp2	A_51_P501278	reflNM_139064 ens ENSMUST000000114359 ens ENSMUST00000030991 ens ENSMUST00000087737
Plekha4	A_51_P501858	reflNM_148927 ens ENSMUST00000053942 ens ENSMUST000000121932 ens ENSMUST00000051810
Tmem63a	A_51_P502964	reflNM_144794 ens ENSMUST00000027800 gb AK144899 gb AK170559
C1galt1c1	A_51_P503303	reflNM_021550 ens ENSMUST00000058265 gb AK008040 gb AK005118
Ppap2b	A_51_P503433	reflNM_080555 ens ENSMUST00000064139 gb AK011276 gb BC005558
Bptf	A_51_P503877	reflNM_176850 ens ENSMUST000000106763 ens ENSMUST00000057892 ens ENSMUST000000106762
Der1	A_51_P504522	reflNM_024207 ens ENSMUST00000022993 gb AK007435 gb BC003454
Mrpl55	A_51_P506250	reflNM_026035 ens ENSMUST000000108784 ens ENSMUST000000116374 ens ENSMUST000000108787
Grlf1	A_51_P506748	reflNM_172739 ens ENSMUST00000075845 gb AK173242 gb AK147326
1110049F12Rik	A_51_P507129	reflNM_025411 reflXM_001479479 ens ENSMUST000000105851 gb AK050261
Mterfd1	A_51_P507204	gb AK010525 riken 2410017118
Aldh1b1	A_51_P510418	reflNM_028270 ens ENSMUST00000044384 gb AK088396 gb AK150992
Supt3h	A_51_P510663	reflNM_178652 ens ENSMUST00000050630 gb BC096051 gb AK087935
	A_51_P510914	ens ENSMUST000000109055 ens ENSMUST000000109011 gb AK013921 gb U62393
	A_51_P510916	ens ENSMUST000000109011 ens ENSMUST000000108980 ens ENSMUST000000119149 ens ENSMUST000000120959
Atp7b	A_51_P510997	reflNM_007511 ens ENSMUST00000006742 ens ENSMUST000000110738 gb BC156090
Alad	A_51_P512072	reflNM_008525 ens ENSMUST000000107444 ens ENSMUST00000030090 gb AK168132
Gins4	A_51_P513085	reflNM_024240 ens ENSMUST00000033950 gb AK164815 gb BC002156
Rac1	A_51_P513254	reflNM_009007 gb AK193118 gb AK076023 gb AK081613
Spag5	A_51_P513530	reflNM_017407 ens ENSMUST00000045026 gb AF20307 gb AK076619
Csde1	A_51_P513934	reflNM_144901 reflNM_001161854 ens ENSMUST00000029446 ens ENSMUST00000071942
Slc2a5	A_51_P514405	reflNM_019741 ens ENSMUST00000030826 gb BC023500 gb AF161071
	A_51_P515046	0
Sprr2g	A_51_P516016	reflNR_003548 gb BC130233 gb AY158991 nap NAP057515-1
Ndufb10	A_51_P516615	reflNM_026684 ens ENSMUST00000045602 gb AK151404 gb AK002517
Stk11p	A_51_P516994	reflNM_027886 reflXM_001478275 ens ENSMUST000000113553 ens ENSMUST00000027414
Adam9	A_51_P518378	reflNM_007404 ens ENSMUST00000084032 ens ENSMUST00000084035 gb AK155672
Fam83f	A_51_P519364	reflNM_145986 ens ENSMUST00000023044 gb AK145865 gb AK030342
Gm5918	A_51_P520139	reflXM_620762 reflXM_925444 gb BC048630 gb BC099568
Atp1b3	A_51_P520378	reflNM_007502 ens ENSMUST00000034983 gb BC114530 gb AK187489
Bcar3	A_51_P520936	reflNM_013867 ens ENSMUST00000029766 gb AK143894 gb AK167578
Rbpj	A_52_P100028	reflNM_009035 reflNM_001080927 reflNM_001080928 ens ENSMUST00000037618
Tfdp1	A_52_P103550	reflNM_009361 ens ENSMUST00000079071 gb X72310 gb AK013180
	A_52_P1035662	gb AK032159 riken 6430404D24
Skp1a	A_52_P10458	reflNM_011543 ens ENSMUST00000037324 ens ENSMUST000000109072 gb AK012498
Cicn7	A_52_P105015	reflNM_011930 ens ENSMUST00000040729 gb AK178110 gb AK032674
	A_52_P1053544	0
Jak1	A_52_P106463	reflNM_146145 ens ENSMUST000000102781 gb AK143650 riken F430006C17
Gdi2	A_52_P1073	reflNM_008112 ens ENSMUST00000059515 ens ENSMUST000000110714 gb AK143681
Dtna	A_52_P108607	reflNM_020760 ens ENSMUST000000115834 ens ENSMUST000000115833 ens ENSMUST000000115832
Satb1	A_52_P110489	gb AK040502 riken A430104A14 tc TC1588769 tc TC1629531
Gtf3c3	A_52_P1116825	gb AK145040 gb BU519104 riken G830029K15 tc TC1718915
	A_52_P1117630	gb AK169873 riken F630002D19
Chml	A_52_P113672	reflNM_021350 gb AK086827 gb BB529627 riken E030003F13
	A_52_P1139509	gb AK037434 riken A130018N09 tc TC1609064
B130006D01Rik	A_52_P11433	reflNR_028263 ens ENSMUST000000100534 gb AK053053 gb AK044824
Stat6	A_52_P114494	reflNM_009284 ens ENSMUST00000092074 gb AK149563 gb AK135911
Sox11	A_52_P114703	gb AF009414 nap NAP109024-1 tc TC1586225
6720462K09Rik	A_52_P1163666	gb AK032850 riken 6720462K09 tc TC1602251
	A_52_P1172227	gb AK054191 riken E230026L21 tc TC1619424
	A_52_P1173999	gb A1509818
Myh6	A_52_P117510	reflNM_010856 reflNM_001164171 reflNM_080728 reflXM_976893
Snx27	A_52_P117566	reflNM_001082484 ens ENSMUST000000107281 gb BC156098 gb BC156894
Snx27	A_52_P117569	reflNM_001082484 ens ENSMUST000000107281 gb BC156098 gb BC156894
Erp44	A_52_P12001	reflNM_029572 ens ENSMUST00000030028 gb AK141377 riken C430042F19
Vcp	A_52_P120424	reflNM_009503 reflXM_985571 ens ENSMUST00000030164 gb AK186028
Slc25a36	A_52_P124121	gb AK037383 gb AK087750 riken A130013B19 riken E330015J08
Pon2	A_52_P126055	reflNM_183308 ens ENSMUST00000057792 gb AK214187 gb AK171926
Sema5b	A_52_P127115	reflNM_013661 ens ENSMUST00000089640 ens ENSMUST00000050625 ens ENSMUST000000120756
9030409G11Rik	A_52_P128068	reflNM_144531 ens ENSMUST00000070792 gb AK173090 gb AK032460
Rnf149	A_52_P128283	reflNM_001033135 ens ENSMUST00000062525 ens ENSMUST000000114805 gb AY155439
Bbs4	A_52_P129354	reflNM_175325 ens ENSMUST00000026265 gb AK039560 gb BC092531
B4galt1	A_52_P130972	gb BC022180 gb AK086849 riken E030004J15 nap NAP087559-1
Aldh2	A_52_P13109	gb AK163452 riken B230105J09 nap NAP050144-1 tc TC1651156
Hcn1	A_52_P132102	gb AK083106 gb AK046023 gb AK049936 riken B230334H23
	A_52_P13337	0
Plekhhm1	A_52_P133436	reflNM_183034 ens ENSMUST00000041272 gb AK154703 gb AK194666
Osbpl5	A_52_P134075	reflNM_024289 ens ENSMUST00000020411 ens ENSMUST000000121409 ens ENSMUST00000035523
Pigy	A_52_P134141	reflNM_025574 ens ENSMUST00000053386 gb AK003713 gb AK008978

Supplementary Table 2
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Zfp655	A_52_P134988	ref NM_028298 ens ENSMUST00000031604 gb AK220552 gb AK078051
Tmem128	A_52_P135175	ref NM_025480 ens ENSMUST00000087511 ens ENSMUST00000119047 gb AK013227
Cox7c	A_52_P136153	ref NM_007749 ref XM_001480383 ref XM_001477263 ref XM_001477856
Gm10653	A_52_P138036	ref NR_003965 ref XM_001477193 ref XM_620258 ref XM_916251
Slmo1	A_52_P14002	gb AK044163 riken A830096K14 nap NAP082816-1 tc TC1593901
Fam72a	A_52_P144285	ref NM_175382 ens ENSMUST00000068613 gb AK076058 gb BC106123
Odz4	A_52_P144368	ref NM_011858 ens ENSMUST00000084996 ens ENSMUST00000050858 ens ENSMUST00000107169
Zyg11b	A_52_P14526	ref NM_001033634 gb AK034007 riken 9330140A08 nap NAP011487-001
Chd3	A_52_P146485	ref NM_146019 ens ENSMUST00000092971 ens ENSMUST00000006726 ens ENSMUST00000053025
Chd3	A_52_P14810	ref NM_146019 ens ENSMUST00000053025 ens ENSMUST00000108661 ens ENSMUST00000092971
	A_52_P14938	gb BB000796 nap NAP056235-1 tc TC1707722
Hmgn2	A_52_P149864	ref NM_016957 ref XM_001473104 ref XM_001477164 ref XM_001476615
Wdr81	A_52_P15128	ref NM_138950 ens ENSMUST00000051512 ens ENSMUST00000100845 ens ENSMUST00000117392
Klhdc4	A_52_P153967	ref NM_145605 ens ENSMUST00000045884 gb AK089954 gb AK161674
Sesn2	A_52_P154710	gb AK170547 riken F630107J04 nap NAP123409-1
Fam117b	A_52_P157	ref NM_001037725 ens ENSMUST00000036540 gb AK013154 gb AK154812
Pdp1	A_52_P157402	ref NM_001098230 ref NM_001033453 ref NM_001098231 ens ENSMUST00000108297
Oaz2	A_52_P157408	ref NM_0010952 ens ENSMUST00000046490 gb AK146074 gb AK168662
Gm1947	A_52_P157880	ref XM_357943 ref XM_911488 nap NAP000142-002
Dcbld1	A_52_P158710	ref NM_025705 gb AK014521 gb BC026771 riken 4631413K11
Tmsb10	A_52_P163489	ref NM_001039392 ref NM_025284 ref XM_001474769 ref XM_001477737
Gpd1	A_52_P16419	ref NM_010271 ens ENSMUST00000023760 gb AK018733 gb AK004565
BC060267	A_52_P167535	ref NM_001110506 gb BC060267 nap NAP027087-1 tc TC1584269
D930017J03Rik	A_52_P16973	gb AK081934 riken C130088B05
Wnk1	A_52_P171064	ref NM_198703 ref NR_028257 ens ENSMUST00000060043 ens ENSMUST00000088646
1190003J15Rik	A_52_P171692	ref NM_029821 ens ENSMUST00000106050 ens ENSMUST00000026554 gb AK004470
	A_52_P175748	nap NAP036162-1 tc TC1663452
Chst12	A_52_P176409	ref NM_021528 ens ENSMUST00000043050 gb BC003201 gb AK171208
Dnm2	A_52_P177260	ref NM_001039520 ens ENSMUST00000115404 ens ENSMUST00000091087 ens ENSMUST00000072362
Alg9	A_52_P177812	ref NM_133981 ens ENSMUST00000034561 gb AK189486 gb AK054293
Sox11	A_52_P178018	ref NM_009234 ens ENSMUST00000079063 gb AK086263 gb AK165005
Slc6a6	A_52_P178151	ref NM_009320 ens ENSMUST00000032185 gb AK185760 gb AK143510
Zmym5	A_52_P179211	gb BC058644 tc TC1588427
Gm5	A_52_P181394	ref NM_001081414 ref NM_001143834 ens ENSMUST00000061910 ens ENSMUST00000107263
Tbx3	A_52_P183368	ref NM_011535 ref NM_198052 ens ENSMUST00000018748 ens ENSMUST00000079719
LOC100038980	A_52_P187565	ref XM_001472087 ref XM_001476461 ref XM_001478060 nap NAP115147-1
Camk2d	A_52_P188261	ref NM_001025439 ref NM_001025438 ref NM_023813 ens ENSMUST00000106401
Larp4b	A_52_P188358	ref NM_172585 ens ENSMUST00000091829 ens ENSMUST00000091828 ens ENSMUST00000038260
	A_52_P189338	nap NAP093999-001
Armch8	A_52_P189618	ref NM_028768 ens ENSMUST00000035043 gb AK004793 gb BC030311
Tmau1ap	A_52_P193233	ref NM_027925 ens ENSMUST00000030730 ens ENSMUST00000105959 gb BC005795
Afg3l1	A_52_P193291	ref NM_054070 ref NR_028260 ens ENSMUST00000098319 ens ENSMUST00000001520
4930555G01Rik	A_52_P195235	ref NM_175393 ref XM_001475922 ref XM_001477839 ref XM_891048
Meg3	A_52_P196568	ref NR_003633 ref NR_027651 gb AK147321 gb AK018121
	A_52_P198289	nap NAP09819-001 nap NAP114709-1
	A_52_P20236	nap NAP049098-1 tc TC1692498
Znrd1	A_52_P203758	ref NM_023162 ens ENSMUST00000113669 ens ENSMUST00000057564 gb AF230339
Palbpc1	A_52_P204023	gb AK005009 gb DV072721 riken 1300015A08 nap NAP090174-1
Cd320	A_52_P204744	ref NM_019421 ens ENSMUST00000002379 ens ENSMUST00000087559 gb AK021187
Sumo3	A_52_P205572	ref NM_019929 ens ENSMUST00000020501 ens ENSMUST00000099538 gb AK012742
Pop4	A_52_P206492	ref NM_025390 ens ENSMUST00000032585 gb AK003908 gb AK150459
Naa50	A_52_P208665	ref NM_028108 gb AK145345 gb AK167141 gb BC055846
Tmem88	A_52_P209484	ref NM_025915 ens ENSMUST00000050140 gb AK010789 gb AK011240
Rgs11	A_52_P209527	ref NM_001081069 ens ENSMUST00000122058 ens ENSMUST00000025020 gb BC019741
A030001D20Rik	A_52_P209578	gb AK003910 gb AK037147 riken 1110025D03 riken A030001D20
4930471M23Rik	A_52_P210164	gb AK077623 riken 5730478O19
Acp2	A_52_P215701	ens ENSMUST00000002172 gb AK133756 gb AK089401 gb AK170658
5031425E22Rik	A_52_P217492	gb AK017143 riken 5031425E22
Repin1	A_52_P221887	ref NM_175099 ref NM_001079901 ref NM_001079902 ref NM_001079903
	A_52_P222230	ref XM_001476722 ref XM_001477842 gb AK040896 gb BC012240
Hspb2	A_52_P222624	ref NM_024441 ref NM_001164708 ens ENSMUST00000042790 gb AK012780
Myl12b	A_52_P222891	ref NM_023402 ens ENSMUST00000038446 gb AK005133 gb AK168316
Adck2	A_52_P222967	ref NM_178873 ens ENSMUST00000051249 gb AK028557 gb AK161225
Zfp37	A_52_P223269	ref NM_009554 ens ENSMUST00000068822 gb AK032469 gb BC024863
Mrpl35	A_52_P223407	ref NM_025430 ens ENSMUST00000065103 gb AK135623 gb AK039187
Gnal	A_52_P227481	ref NM_010307 ref NM_177137 ens ENSMUST00000025402 ens ENSMUST00000076605
Rptor	A_52_P229320	ref NM_028898 ens ENSMUST00000026671 gb BC060140 gb AK129326
	A_52_P232314	nap NAP102462-1 nap NAP111325-1
	A_52_P232346	nap NAP103909-1 tc TC1708996
Olfir234	A_52_P23366	ref NM_001001807 ens ENSMUST00000050451 gb BC106968 tc TC1600152
Ubr5	A_52_P235064	ref NM_001081359 ref NM_001112721 ens ENSMUST00000022899 ens ENSMUST00000110336
Dpy19l3	A_52_P237102	ref NM_178704 gb AK085462 riken D630029P09 nap NAP020869-001
4930402H24Rik	A_52_P237899	ref NM_029432 ens ENSMUST00000044766 ens ENSMUST00000103190 ens ENSMUST00000110248
Fuz	A_52_P24206	gb BC045601 gb AK011195 riken 2600013E07 nap NAP014553-001
Whsc2	A_52_P242329	ref NM_011914 gb AK078760 gb AK216954 gb AK088384
Uchl1	A_52_P24308	ref NM_011670 ens ENSMUST00000031131 gb AB025313 gb AK013729

Supplementary Table 2
(Continued)

Fam65b	A_52_P244639	reflNM_001080381 reflNM_178658 ens ENSMUST00000038477 ens ENSMUST00000091694
	A_52_P244895	ens ENSMUST00000069456 gb AK035813 riken 9630006N21 nap NAP000053-005
Vps24	A_52_P246889	reflNM_025783 gb AK083562 gb AK009447 gb BC027441
Nhs12	A_52_P255300	reflNM_001163610 ens ENSMUST00000113628 gb AK032250 gb CO039323
	A_52_P256146	ens ENSMUST00000118592 gb AK048386 gb BC046394 riken C130054M03
Car10	A_52_P256997	reflNM_028296 ens ENSMUST00000107863 ens ENSMUST00000107858 ens ENSMUST00000042943
Hist2h2ac	A_52_P257377	ens ENSMUST00000090782 nap NAP113398-1
9830001H06Rik	A_52_P257919	reflNM_001164663 ens ENSMUST00000069098 gb AK031493 gb AK147227
Rhog	A_52_P263068	reflNM_019566 ens ENSMUST00000098230 ens ENSMUST00000106923 gb AK149848
Negr1	A_52_P2632	reflNM_177274 ens ENSMUST00000106065 ens ENSMUST00000041425 gb AJ487032
Ubr4	A_52_P266540	reflNM_001160319 ens ENSMUST00000097822 gb BC057625 gb AK083644
	A_52_P267736	ens ENSMUST00000100875 gb AK049685 gb AK173026 riken C530024P05
5930416119Rik	A_52_P268549	reflNR_027360 reflNR_027359 ens ENSMUST00000112151 ens ENSMUST00000057421
Bysl	A_52_P269396	reflNM_016859 gb AK083033 gb AK143027 riken C530035I22
Epb4.111	A_52_P270490	reflNM_001003815 reflNM_013510 reflNM_001006664 ens ENSMUST00000103137
A430108G06Rik	A_52_P271495	gb AK038603 gb AK040599 riken A230049K09 riken A430108G06
Psrc1	A_52_P271528	reflNM_019976 ens ENSMUST00000090561 ens ENSMUST00000102630 ens ENSMUST00000102629
	A_52_P272318	nap NAP037501-1 tc TC1637729 tc TC1670138
Atf2	A_52_P272547	reflNM_001025093 reflNM_009715 ens ENSMUST00000055833 ens ENSMUST00000112007
Nr2f1	A_52_P275700	reflNM_010151 reflNM_001475459 gb AK148880 gb X74134
Ptp4a2	A_52_P276607	reflNM_008974 reflNM_001164745 ens ENSMUST00000030578 gb BC087551
Dag1b	A_52_P277394	gb AK081509 riken C130025A20 nap NAP121638-001 tc TC1623592
Rps2	A_52_P277592	reflNM_008503 reflNM_917948 reflNM_620258 reflNM_001479285
Zbtb20	A_52_P279651	reflNM_019778 reflNM_181058 ens ENSMUST00000079441 ens ENSMUST00000114695
Glg1	A_52_P279759	gb AK050772 riken D030018I01
	A_52_P280448	nap NAP046056-1 tc TC1668068
	A_52_P280821	nap NAP123201-1
Myd88	A_52_P282762	reflNM_010851 ens ENSMUST00000035092 gb AK167929 gb X51397
Pcif1	A_52_P285124	gb AK041830 riken A630040N15 nap NAP005590-001
H2afj	A_52_P286488	reflNM_177688 gb AK053755 gb AW490391 riken E130307C13
Atp5g2	A_52_P287002	reflNM_026468 reflNM_001472281 reflNM_001474523 reflNM_001476480
Ccdc85a	A_52_P288198	reflNM_181577 reflNM_001166661 gb AK173298 gb BC020949
Chmp4b	A_52_P288873	reflNM_029362 reflNM_976559 gb AK164550 gb AK156473
Eya4	A_52_P295933	gb AK045060 gb AK081454 riken B130023L16 riken C130018M10
Cnnm1	A_52_P296913	reflNM_031396 ens ENSMUST00000026195 gb AF202994 nap NAP021641-001
Srxn1	A_52_P297032	reflNM_029688 ens ENSMUST00000041500 ens ENSMUST00000099225 gb AK161066
Dusp14	A_52_P297724	reflNM_019819 ens ENSMUST00000100705 ens ENSMUST00000018792 gb AK079362
Ube2i	A_52_P297731	reflNM_011665 reflNM_620954 ens ENSMUST00000049911 gb AK004248
Slc25a3	A_52_P299231	gb AK028313 gb A1647318 riken 3526402M16 nap NAP051597-1
Tardbp	A_52_P299292	reflNM_001008546 ens ENSMUST00000105700 gb AY319515 nap NAP056551-1
Aaas	A_52_P301374	reflNM_153416 ens ENSMUST00000041208 gb AK087134 gb AK169523
Dnmt3a	A_52_P30497	reflNM_007872 reflNM_153743 ens ENSMUST00000020991 ens ENSMUST00000085826
Nudt4	A_52_P305246	reflNM_027722 reflNM_001480147 ens ENSMUST00000020217 gb AK048062
Slc12a9	A_52_P307752	reflNM_031406 ens ENSMUST00000039991 gb AK154118 gb AF314957
2810030E01Rik	A_52_P308843	reflNM_028317 ens ENSMUST00000091420 gb AK034607 gb AK012843
4930452B06Rik	A_52_P313523	reflNM_028934 ens ENSMUST00000102996 gb AK133893 gb BC064468
	A_52_P313570	nap NAP070973-1 nap NAP068914-1
	A_52_P314741	gb AK029423 gb AK087236 gb BC106119 gb B1105304
	A_52_P315030	nap NAP030387-1
Uchl4	A_52_P315631	reflNM_033607 reflNM_016723 ens ENSMUST00000039011 ens ENSMUST00000066470
Tmem145	A_52_P31641	reflNM_183311 ens ENSMUST00000058863 ens ENSMUST00000108409 gb AK081054
Bet1	A_52_P316644	reflNM_009748 ens ENSMUST00000049166 gb AK078796 gb BC005572
1110038B12Rik	A_52_P31814	reflNR_027943 reflNR_015536 gb AK002372 gb AK004150
Ufm1	A_52_P323820	reflNM_026435 gb AK166332 gb AK167301 gb AK089948
Edi3	A_52_P325527	reflNM_010103 reflNM_001037987 ens ENSMUST00000081769 ens ENSMUST00000043111
Wdfy1	A_52_P328825	reflNM_001111279 ens ENSMUST00000097685 ens ENSMUST00000113512 ens ENSMUST00000113513
5830427D03Rik	A_52_P329314	reflNM_1755232 gb AK089904 riken F830048115 nap NAP023037-001
Gm8225	A_52_P330997	reflNM_0985281 reflNM_994358 reflNM_001472285 reflNM_001474850
Nfasc	A_52_P331824	reflNM_182716 reflNM_001160318 reflNM_001160317 reflNM_001160316
Negr1	A_52_P332081	reflNM_177274 ens ENSMUST00000106065 ens ENSMUST00000041425 gb AJ487032
Pold1	A_52_P333178	reflNM_011131 ens ENSMUST00000049343 gb AK196295 gb AK186033
Pclo	A_52_P336904	reflNM_011995 ens ENSMUST00000116626 gb AB083477 gb Y19185
Refpb2	A_52_P337236	reflNM_019484 ens ENSMUST00000081527 gb AK048243 gb AJ252141
	A_52_P338033	ens ENSMUST00000110849 ens ENSMUST00000073279 gb AK135612 gb AK155440
Chmp1b	A_52_P338110	reflNM_024190 gb AK014091 gb AK151071 gb BC002229
Kctd18	A_52_P338376	reflNM_030211 ens ENSMUST00000068000 gb AK033212 gb AK032658
Coq5	A_52_P343406	reflNM_026504 gb AK014348 gb AK050334 gb AK045993
E330037M01Rik	A_52_P343787	gb AK033305 gb AK087836 gb AK087893 gb BB040967
	A_52_P348560	nap NAP102495-1 nap NAP112827-1
Scand1	A_52_P348972	reflNM_020255 ens ENSMUST00000079125 gb AF220501 gb AK220179
E2f6	A_52_P349216	gb AK035116 gb AK075684 gb BC116425 riken 9430090E10
Rprd1b	A_52_P349298	reflNM_027434 ens ENSMUST00000109519 ens ENSMUST00000109517 ens ENSMUST00000099135
Mapk8ip1	A_52_P349477	gb AK053819 riken E130310D04 tc TC1615193
Atp6v1g1	A_52_P349738	reflNM_024173 reflNM_001472372 reflNM_001479550 ens ENSMUST00000035301
Gigyf1	A_52_P350581	reflNM_031408 ens ENSMUST00000031727 gb BC168389 gb AY176042
Gm9558	A_52_P351686	gb AK06604 riken 1700034M11 nap NAP023303-001 tc TC1639864

Supplementary Table 2
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Trim26	A_52_P353038	ref NM_001025599 ens ENSMUST00000053434 ens ENSMUST00000087160 gb BC037110
Pex26	A_52_P354306	ref NM_028730 ens ENSMUST00000088561 ens ENSMUST00000120066 ens ENSMUST00000118234
Ccdc85b	A_52_P356245	ref NM_198616 ref NR_028440 gb BC016659 gb BC058411
1700012B15Rik	A_52_P361338	gb AK005891 gb BC060685 riken 1700012B15 nap NAP013054-001
	A_52_P36191	nap NAP031150-1 tc TC1707343
D5Ertcd579e	A_52_P365434	ref XM_001474408 ens ENSMUST00000066244 gb BC051182 gb AK037038
Tmem91	A_52_P365633	ref NM_177102 ens ENSMUST00000108404 ens ENSMUST00000108405 ens ENSMUST00000079439
Arid5b	A_52_P367621	ref NM_023598 ref XM_001473421 ens ENSMUST00000020106 gb AK017396
Zfp821	A_52_P367774	ref NM_029468 ref NM_001167946 ref NR_030772 ref NR_030773
Spire1	A_52_P368214	ref NM_194355 ref NM_176832 ens ENSMUST00000091867 ens ENSMUST00000045105
Tmem100	A_52_P368306	ref NM_026433 ens ENSMUST00000092788 gb AK007878 gb AK0033574
Ncam1	A_52_P37077	gb X14526
	A_52_P374193	nap NAP034876-1 tc TC1639001
Prkce	A_52_P375455	ref NM_011104 gb AF325507 gb AF028009 gb BC165948
Tgolin2	A_52_P375764	ref NM_009444 gb D50031 gb AK145212 gb AK008520
Pex11c	A_52_P375939	gb AK029391 gb BM939001 riken 483342A22 nap NAP020294-001
Slc30a9	A_52_P376106	ref NM_178651 ens ENSMUST00000113676 gb AK183025 gb AK214929
Hspa13	A_52_P376804	ref NM_030201 ref NR_027492 ens ENSMUST00000114244 ens ENSMUST00000046283
	A_52_P379505	nap NAP030809-1 nap NAP030805-1
Tia1	A_52_P381009	gb AK009502 gb AK009914 riken 2310026D05 riken 2310050N03
Terf2ip	A_52_P381806	ref NM_020584 ens ENSMUST00000052138 gb BC012270 gb AK214613
Terf2ip	A_52_P381813	ref NM_020584 ens ENSMUST00000052138 gb BC012270 gb AK087729
Ncam1	A_52_P382754	ref NM_010875 ens ENSMUST00000114481 gb Y00051 gb X15050
Nat5	A_52_P38317	gb AK046153 riken B230345H17 tc TC1767749 tc TC1629707
Sema5b	A_52_P385824	ref NM_013661 ens ENSMUST00000120756 gb BC052397 gb AK129362
Lymr7	A_52_P387189	gb AK079070 gb BB077939 riken 9330147L21 nap NAP117265-1
Sox2ot	A_52_P389324	ref NR_015580 gb AK045614 gb AK031826 gb BC057611
Crem	A_52_P391095	ref NM_013498 ref NM_001110856 ref NM_001110850 ref NM_001110854
Crem	A_52_P391098	ref NM_013498 ref NM_001110856 ref NM_001110850 ref NM_001110854
Crem	A_52_P391103	ref NM_013498 ref NM_001110856 ref NM_001110850 ref NM_001110854
Meg3	A_52_P391505	ref NR_027652 ens ENSMUST00000021696 gb AK141629 gb Y13832
4930452B06Rik	A_52_P391805	ref NM_028934 ens ENSMUST00000102996 gb AK019627 gb AK016701
Sez6	A_52_P393607	ref NM_021286 ens ENSMUST0000000646 gb AK165757 gb AK220513
Kbtbd11	A_52_P394448	ref NM_029116 ref XM_001474596 ref XM_001474229 ens ENSMUST0000005886
Pcdh15	A_52_P395088	ref NM_001142746 ref NM_001142760 ens ENSMUST00000105430 gb AK034124
Rap1gap2	A_52_P39756	ref NM_001015046 ens ENSMUST00000047488 ens ENSMUST00000108454 ens ENSMUST00000102521
Golga7	A_52_P398018	gb AK089856 gb BC064083 riken F830033L24 nap NAP072825-1
B230217C12Rik	A_52_P403246	ref NM_001080935 ens ENSMUST00000054783 gb AK042827 gb AK082773
Brd8	A_52_P404239	ref NM_030147 ens ENSMUST00000115765 ens ENSMUST00000003876 ens ENSMUST00000097626
Prkrir	A_52_P405193	ref NM_028410 ens ENSMUST00000033009 gb AK013663 gb AK028175
Stam2	A_52_P405577	ref NM_019667 ens ENSMUST00000102759 ens ENSMUST00000112660 gb AK004604
Txn14a	A_52_P407145	ref NM_025299 gb AK004039 gb AK148287 gb AK166497
	A_52_P407968	ens ENSMUST00000023427 gb AK006263 gb BC026197 gb BC030033
4930402H24Rik	A_52_P407983	gb AK015050 riken 4930402H24 nap NAP093335-001 tc TC1588598
Neurod1	A_52_P408391	ref NM_010894 ens ENSMUST00000041099 gb U28068 gb BC018241
Cntn6	A_52_P412452	ref NM_017383 ens ENSMUST00000089215 gb AB032602 gb AK052972
	A_52_P416385	gb AK050084 riken C730013O12 tc TC1608003
Gab1	A_52_P417437	ref NM_021356 ens ENSMUST00000034150 gb AK155423 gb AK132176
	A_52_P41865	nap NAP101328-1
Sec22b	A_52_P418934	ref NM_011342 ens ENSMUST00000029476 gb AK088514 gb AK010363
Fut9	A_52_P419089	ref NM_010243 ens ENSMUST00000084770 gb AK043410 gb AK047650
Rere	A_52_P421149	ref NM_001085492 ens ENSMUST00000037916 ens ENSMUST00000105680 ens ENSMUST00000105682
Lipt2	A_52_P421196	ref NM_026010 ref XM_001473455 ens ENSMUST00000032967 gb AK008917
Acvr2b	A_52_P422618	ref NM_007397 ens ENSMUST00000035093 ens ENSMUST00000111699 gb M84120
Cox8b	A_52_P423814	ref NM_007751 ens ENSMUST00000026561 gb AK003116 gb U15541
Lrrtm4	A_52_P424206	gb AK032470 gb BC037216 riken 6430558H08 nap NAP116396-1
Rnf168	A_52_P425706	ref NM_027355 ens ENSMUST00000014218 gb BC046815 gb AK051414
Slc15a2	A_52_P426605	gb AK018393 gb BC051199 gb BC018335 riken 8430408C16
Ulp3	A_52_P429289	ref NM_023054 ens ENSMUST00000090413 gb BC003213 gb BC016581
LOC100044968	A_52_P432580	ref XM_001473421 gb BC082312 gb AK028564 gb BB827466
	A_52_P433188	gb CJ237737 nap NAP035586-1 tc TC1610244
	A_52_P433450	nap NAP097631-001 nap NAP097743-001 nap NAP111698-1 nap NAP111801-1
Tctn3	A_52_P433828	ref NM_026260 ens ENSMUST00000025981 gb BC080805 gb DQ278871
Abcf3	A_52_P438530	ref NM_013852 ens ENSMUST00000003319 gb BC032923 gb AK030626
Egr3	A_52_P440836	gb AK141603 gb AK078299 riken 6430581J15 riken C630040P19
Idi1	A_52_P441634	ref NM_145360 ref XM_001473030 ens ENSMUST00000077950 gb CT010310
Evc2	A_52_P441974	ref NM_145920 ens ENSMUST00000056365 gb BC064473 gb BC037473
Lmtk2	A_52_P445474	ref NM_001081109 ens ENSMUST000000041804 gb AK013633 gb AK129279
Etnk1	A_52_P446011	ref NM_029250 ens ENSMUST00000032413 gb AK044502 gb AK049827
Commnd6	A_52_P446120	ref NM_001033132 ref NM_001168592 ens ENSMUST00000100339 gb BC132261
Eprs	A_52_P447138	ref NM_029735 ref XM_908144 ens ENSMUST00000046514 gb BC141049
Dpm1	A_52_P450826	ref NM_010072 ens ENSMUST00000099072 ens ENSMUST00000109193 gb AB004789
Tbc1d20	A_52_P450881	ref NM_024196 gb AK177685 gb AK006877 gb AK076124
Fgf11	A_52_P454815	ens ENSMUST00000102585 ens ENSMUST00000108637 ens ENSMUST00000011285 gb BC066859
Aph1b	A_52_P456750	ref NM_177583 ens ENSMUST00000034934 gb AK028521 gb AK154847
Deaf1	A_52_P456977	ref NM_016874 ref NR_027769 ens ENSMUST00000080553 gb FJ377319

Supplementary Table 2
(Continued)

Tref1	A_52_P457967	reflNM_172622 reflNM_001097623 ens ENSMUST00000077951 gb AK190506
Crem	A_52_P460957	reflNM_013498 reflNM_001110859 reflNM_001110857 reflNM_001110858
Atg3	A_52_P464003	reflNM_026402 ens ENSMUST00000023343 gb AK213960 gb AB079386
Atf6	A_52_P464346	reflNM_001081304 ens ENSMUST000000027974 gb AK020270 gb BC043662
Lrrc49	A_52_P46437	reflNM_145616 reflNM_001146046 reflNM_001146047 ens ENSMUST00000065603
Snd1	A_52_P467140	reflNM_019776 ens ENSMUST00000001460 gb AK161591 gb AK159837
Dcaf13	A_52_P471502	reflNM_198606 ens ENSMUST00000022909 gb AK139315 gb AK157825
Nub1	A_52_P47232	reflNM_016736 ens ENSMUST00000068825 gb BC005640 gb BC018178
Chac2	A_52_P478339	reflNM_026527 ens ENSMUST00000020553 ens ENSMUST00000101394 gb AK021391
Amdhd2	A_52_P478460	gb AK078259 gb BX515297 riken 6430547H16 nap NAP089405-1
Trim41	A_52_P479899	gb BC031905 nap NAP070712-1 tc TC1606001
Rad23a	A_52_P48206	reflNM_009010 ens ENSMUST00000003911 ens ENSMUST00000109761 gb BC003846
Tra2a	A_52_P482063	gb AK076230 gb AK170599 gb CB588885 riken 4222403J09
Smg7	A_52_P487024	reflNM_001005507 reflNM_001160256 reflNM_001160257 ens ENSMUST00000111836
D3Erd254e	A_52_P487281	reflNM_001101478 gb AK153849 riken C920023D22 nap NAP122572-001
Htr2c	A_52_P487454	reflNM_008312 ens ENSMUST00000036303 ens ENSMUST00000096299 gb AK034512
Fkbp1a	A_52_P488471	reflNM_008019 ens ENSMUST00000050712 ens ENSMUST00000044011 ens ENSMUST00000109882
Nup98	A_52_P490272	reflNM_022979 ens ENSMUST00000070165 gb BC137975 gb BC145071
Zfp287	A_52_P491244	reflNM_133208 ens ENSMUST00000108706 gb AK029572 gb BC023790
Fam171a1	A_52_P493534	reflNM_001081161 reflNM_001474244 ens ENSMUST00000072955 ens ENSMUST00000091505
LOC100045753	A_52_P495104	reflNM_001474871 gb AK160395 gb BC094026 riken 1190022020
Efnb3	A_52_P495565	reflNM_007911 ens ENSMUST00000004036 gb AK048305 gb BC058617
Galnt2	A_52_P496890	reflNM_139272 ens ENSMUST00000034458 gb AF348968 gb AK046567
Psmid1	A_52_P49727	reflNM_027357 ens ENSMUST00000027432 ens ENSMUST00000113330 gb BC029319
	A_52_P497503	nap NAP030187-1 nap NAP000014-003 nap NAP071006-1 nap NAP060807-1
	A_52_P497715	nap NAP048198-1
Hist1h2ak	A_52_P498208	reflNM_178183 ens ENSMUST00000074752 gb BC119335 nap NAP111167-1
Nfil3	A_52_P500027	reflNM_017373 reflNM_001475817 ens ENSMUST00000071065 gb AK087541
Set	A_52_P50107	reflNM_023871 reflNM_001008551 reflNM_001472036 reflNM_001472004
	A_52_P506147	ens ENSMUST00000085433 gb AY512922 nap NAP125254-1 nap NAP054892-1
2810449D17Rik	A_52_P507169	gb AK005177 gb AK013311 riken 1500008C05 riken 2810449D17
Gm4968	A_52_P508103	reflNM_145024 reflNM_917764 reflNM_916654 reflNM_001480887
Slc35a5	A_52_P51198	reflNM_028756 ens ENSMUST00000023344 gb AK085567 gb AK030566
Zfp219	A_52_P512329	reflNM_027248 ens ENSMUST00000067549 gb AK154332 gb AK008516
Mil2	A_52_P51411	reflNM_001033276 gb AK082905 gb AK039901 gb AK164401
Ccnd2	A_52_P514391	reflNM_009829 gb BC049086 gb AK147345 gb BB680674
Atp6v0a1	A_52_P515336	gb AK045877 gb AK021084 gb BY728167 riken B230316H04
	A_52_P515840	ens ENSMUST00000108425 gb AK052795 gb BB506376 riken D730007L14
Nrd1	A_52_P51783	reflNM_146150 ens ENSMUST00000106644 ens ENSMUST00000065977 ens ENSMUST00000106639
Gm11938	A_52_P519317	reflNM_001127354 reflNM_001099346 reflNM_001473050 reflNM_001472302
	A_52_P520429	ens ENSMUST00000108923 ens ENSMUST00000108975 ens ENSMUST00000109011 ens ENSMUST00000109036
Pebp1	A_52_P520439	reflNM_018858 ens ENSMUST00000111973 ens ENSMUST00000036951 ens ENSMUST00000059068
ENSMUSG00000069586	A_52_P527925	gb AB010324
Pcdhb4	A_52_P529195	reflNM_053129 ens ENSMUST00000056712 gb AK036169 gb BC053098
Rhbd13	A_52_P53019	reflNM_139228 ens ENSMUST00000017836 gb AK041678 gb BC054784
Uchl3	A_52_P537050	reflNM_016723 ens ENSMUST00000066470 ens ENSMUST00000002289 gb AB033370
Gtf2h3	A_52_P539414	reflNM_181410 ens ENSMUST00000031333 gb AK017176 gb AK133941
Rbbp6	A_52_P540085	reflNM_011247 ens ENSMUST00000052135 ens ENSMUST00000071590 gb U83913
1810012P15Rik	A_52_P540462	reflNM_001076681 ens ENSMUST00000100748 gb AK144380 gb BC130224
Masp1	A_52_P54274	gb AK043055 riken A730051H16 nap NAP118059-1 tc TC1603640
6720456H20Rik	A_52_P54325	reflNM_172600 ens ENSMUST00000111735 ens ENSMUST00000037990 gb BC046454
Nck1	A_52_P54439	reflNM_010878 ens ENSMUST00000035050 ens ENSMUST000000112874 gb AK054051
Ap3m1	A_52_P544410	reflNM_018829 gb BC010667 gb BY422731 tc TC1604274
Msh3	A_52_P54561	reflNM_010829 reflNM_001475901 ens ENSMUST00000022220 ens ENSMUST00000109520
Fcgr2b	A_52_P545613	reflNM_010187 reflNM_001077189 ens ENSMUST00000081103 ens ENSMUST00000027966
Os9	A_52_P549778	reflNM_177614 ens ENSMUST00000080975 gb BC006844 gb BC031768
D930015E06Rik	A_52_P551603	reflNM_172681 ens ENSMUST00000052342 ens ENSMUST00000047595 gb AK154818
	A_52_P552289	nap NAP058846-1
Med28	A_52_P552580	reflNM_025895 ens ENSMUST00000119579 ens ENSMUST00000118833 ens ENSMUST00000015948
Asrg1	A_52_P555262	reflNM_025610 ens ENSMUST00000113181 ens ENSMUST00000049948 gb AK006147
Arlh1	A_52_P556290	reflNM_019927 ens ENSMUST00000026264 gb BC057680 gb BC038034
Dtna	A_52_P558259	reflNM_207650 ens ENSMUST00000115834 ens ENSMUST00000115833 ens ENSMUST00000115832
9330188P03Rik	A_52_P562040	gb AK034417 gb FJ744746 gb FJ860514 gb FJ860513
Extl3	A_52_P571707	reflNM_018788 ens ENSMUST00000022550 ens ENSMUST00000111165 gb AK019308
Agpat5	A_52_P572447	reflNM_026792 ens ENSMUST00000033847 gb AK206671 gb AY161042
Atp1b3	A_52_P572950	reflNM_007502 ens ENSMUST00000034983 gb AK218119 gb AK161282
Gm9387	A_52_P575668	reflNM_001003884 reflNM_982491 nap NAP097103-001
Igslf1	A_52_P578581	reflNM_170599 ens ENSMUST00000023478 gb BC057555 gb BE983147
C330019G07Rik	A_52_P579951	reflNM_194340 ens ENSMUST00000067224 ens ENSMUST000000120129 gb AK171684
Wasf2	A_52_P581440	reflNM_153423 gb AK085458 gb BC030464 gb AK172187
Ykt6	A_52_P583155	reflNM_019661 ens ENSMUST00000002818 gb AK088286 gb AK147098
Sfrs8	A_52_P583728	reflNM_172276 ens ENSMUST00000031394 ens ENSMUST00000053737 gb BC039967
Lrpap1	A_52_P583973	reflNM_013587 ens ENSMUST00000030986 gb AK166746 gb AK169132
Osgep	A_52_P586549	reflNM_133676 reflNM_907487 reflNM_982610 ens ENSMUST00000006452
Znf512b	A_52_P588051	reflNM_001164597 ens ENSMUST00000108791 ens ENSMUST00000000840 ens ENSMUST00000108789
2210015D19Rik	A_52_P588917	gb BC052911 gb BC094935 nap NAP037945-1 tc TC1599819

Supplementary Table 2
(Continued)

Gm6436	A_52_P589148	reflXM_001001941 reflXM_887972 reflXM_904186 nap NAP096448-001
Scaper	A_52_P589509	reflNM_001081341 ens ENSMUST00000114279 ens ENSMUST00000098748 ens ENSMUST00000037408
Foxo6	A_52_P589568	reflNM_194060 ens ENSMUST00000102656 gb AJ571690 gb BC086628
Cadm1	A_52_P589754	reflNM_207675 reflNM_018770 reflNM_207676 reflNM_001025600
Vars2	A_52_P590235	reflNM_175137 gb BC057036 gb AK173288 gb AK159301
Srxn1	A_52_P593200	reflNM_029688 ens ENSMUST00000041500 ens ENSMUST00000099225 gb AK007296
	A_52_P593955	gb AK082951 riken C530020I04 nap NAP125096-1 tc TC1672945
	A_52_P594107	nap NAP024224-001
Mrpl47	A_52_P595537	gb BC029173 tc TC1638364
HnrnpC	A_52_P596080	reflNM_016884 reflNM_001170981 reflNM_001170983 reflNM_001170984
2310067B10Rik	A_52_P596086	reflNM_028014 ens ENSMUST00000093912 ens ENSMUST00000103033 gb AK010082
Wdr33	A_52_P59612	reflNM_028866 ens ENSMUST00000082319 ens ENSMUST00000025264 gb AK009297
	A_52_P596357	gb AK054546 riken E330039N10 tc TC1613381
Glxr3	A_52_P598336	reflNM_023140 ens ENSMUST00000064404 gb AK211111 gb AK218292
1190007I07Rik	A_52_P598634	reflNM_001135567 reflNM_001135568 reflNM_001135569 ens ENSMUST00000079648
Chd9	A_52_P598971	reflNM_177224 ens ENSMUST00000109614 ens ENSMUST00000048665 gb AK029279
Bfar	A_52_P599038	reflNM_025976 ens ENSMUST00000023365 ens ENSMUST00000069281 gb AK041839
D14Ert436e	A_52_P599055	reflNM_172599 ens ENSMUST00000042988 gb AK029967 gb AK173037
Hs6st2	A_52_P599317	reflNM_001077202 reflNM_015819 ens ENSMUST00000088172 ens ENSMUST00000114871
Myo5b	A_52_P600600	reflNM_201600 ens ENSMUST00000121875 ens ENSMUST00000074157 ens ENSMUST00000091844
	A_52_P600750	nap NAP056541-1
Fbxo33	A_52_P603740	reflNM_001033156 gb AK132233 gb AK017744 gb BC006669
Tceb3	A_52_P606679	reflNM_013736 ens ENSMUST00000030427 gb AK042376 gb AK036592
Srx32	A_52_P608132	reflNM_001024560 ens ENSMUST00000070172 gb AK047234 gb BC048922
Aars2	A_52_P608495	reflNM_198608 ens ENSMUST00000024733 gb AK146958 gb AK167771
Gm71	A_52_P608755	reflNM_001033236 reflXM_001480032 ens ENSMUST00000058639 gb BC138942
Serinc3	A_52_P609200	reflNM_012032 ens ENSMUST00000017851 gb AK170350 gb AK150106
	A_52_P609913	gb AK081298 riken C130001K16 nap NAP011832-001 tc TC1603617
Runx111	A_52_P612137	reflNM_009822 reflNM_001111027 reflNM_001111026 ens ENSMUST000000006761
Ccng1	A_52_P612803	reflNM_009831 ens ENSMUST00000020576 gb AK147026 gb AK159831
Sav1	A_52_P614888	reflNM_022028 reflXM_001479668 ens ENSMUST00000021467 gb AK034983
Skiv2l	A_52_P614960	reflNM_021337 ens ENSMUST00000046022 gb AK087810 gb AK029763
Kctd5	A_52_P61758	reflNM_027008 ens ENSMUST00000017090 gb AK011637 gb AK143644
Chka	A_52_P61903	gb AK014174 riken J3110043M12 nap NAP024826-001 tc TC1587993
Mical3	A_52_P619262	gb AK122497 tc TC1619961
Gramd3	A_52_P619738	reflNM_026240 ens ENSMUST00000070166 gb AK004147 gb BB073624
Fam82b	A_52_P620432	gb AK019968 gb AK041199 riken J5730501K14 riken A530090B04
Tcf20	A_52_P621667	reflNM_001114140 reflNM_013836 ens ENSMUST00000066843 gb AK122239
Pth2	A_52_P622042	reflNM_053256 ens ENSMUST00000042754 gb AY048587 gb BC140226
	A_52_P622197	nap NAP029477-1 nap NAP058810-1
Ncl	A_52_P623337	reflNM_010880 ens ENSMUST00000027438 gb AK028681 gb AK083307
	A_52_P623809	nap NAP035983-1 tc TC1630266
Car8	A_52_P625118	reflNM_007592 reflXM_001473032 ens ENSMUST00000066674 ens ENSMUST00000098290
Usp36	A_52_P627925	reflNM_001033528 ens ENSMUST00000092382 ens ENSMUST00000106296 gb AK012204
Cntn2	A_52_P628702	reflNM_177129 ens ENSMUST00000086521 gb AK147573 gb AK147658
Nfx1	A_52_P632191	reflNM_023739 gb AK013866 riken 3000003M19 nap NAP105430-1
Zfp811	A_52_P632600	reflNM_183177 ens ENSMUST00000080905 gb BC052046 nap NAP060328-1
	A_52_P634522	nap NAP039495-1 tc TC1638497
Bat1a	A_52_P635776	reflNM_019693 ens ENSMUST00000093645 ens ENSMUST00000068056 gb AK194985
	A_52_P638121	nap NAP030614-1 nap NAP059934-1
Stam	A_52_P640204	reflNM_011484 ens ENSMUST00000028050 ens ENSMUST00000102960 ens ENSMUST00000114738
Trmt61b	A_52_P640694	ens ENSMUST00000105034 ens ENSMUST00000106283 gb AK122226 gb AK163492
Cul9	A_52_P644210	reflNM_027952 reflNR_015549 reflNR_027953 gb AK032413
Vps11	A_52_P649356	gb AK019026 gb AK039107 gb BC026469 riken 1810035107
Hist1h2ai	A_52_P651235	reflNM_027889 ens ENSMUST00000034644 gb AK090030 gb AK004695
	A_52_P653184	reflNM_178182 reflNM_175659 reflNM_178184 reflNM_178185
Rpl21	A_52_P653937	ens ENSMUST00000101548 nap NAP029440-1 nap NAP061377-1
Oaz2	A_52_P654130	reflNM_019647 gb AK018480 riken 8430440E03 nap NAP093633-001
3110062M04Rik	A_52_P654565	reflNM_010952 ens ENSMUST00000046490 gb D78643 gb AK146074
	A_52_P654604	reflNM_199145 reflNM_001135611 ens ENSMUST00000115006 ens ENSMUST00000115007
Fam98b	A_52_P656867	ens ENSMUST00000099668 gb AK003195 gb AK136657 gb BC038682
Prmt10	A_52_P660836	reflNM_026620 ens ENSMUST00000028825 gb BC048087 tc TC1585373
Ctsf	A_52_P660945	reflNM_001081240 ens ENSMUST00000056237 ens ENSMUST00000118622 gb AK154546
Snhg3	A_52_P661071	reflNM_019861 ens ENSMUST00000115980 ens ENSMUST00000119694 gb AK017474
Depdc6	A_52_P661503	reflNR_003270 gb AJ006837 gb AK076188 gb BC100513
	A_52_P665197	gb AK170208 gb AK018673 gb AK080874 riken F630030C09
Ccd9b	A_52_P665242	nap NAP111137-1 nap NAP114003-1
D5Ert579e	A_52_P665723	reflNM_025515 reflNM_001162918 ens ENSMUST00000032842 ens ENSMUST00000085017
Gnptg	A_52_P665928	gb AK032804 riken 6720455H16 nap NAP020711-001 tc TC1615634
Tpt1	A_52_P667098	reflNM_172529 reflXM_001478566 reflXM_001478578 gb AK044021
Nkain1	A_52_P670978	reflNM_009429 reflXM_001479983 reflXM_001480658 ens ENSMUST00000080850
Nfx1	A_52_P674209	reflNM_025998 gb AK009389 gb AK160181 gb AK013162
Pnpla6	A_52_P674803	reflNM_023739 ens ENSMUST00000030133 ens ENSMUST00000091614 ens ENSMUST00000098143
Lass4	A_52_P67570	reflNM_015801 reflNM_001122818 ens ENSMUST00000111070 ens ENSMUST00000004681
	A_52_P675887	gb AK036108 gb AK030406 riken 5330407L07 riken 9630036110
		nap NAP071783-1 nap NAP057944-1 nap NAP059332-1

Supplementary Table 2

(Continued)

Rbx1	A_52_P676076	ref NM_019712 ens ENSMUST00000023036 gb AK005127 gb BC027396
Brd8	A_52_P676492	ref NM_030147 ens ENSMUST00000003876 ens ENSMUST00000097626 ens ENSMUST00000115766
Cbx5	A_52_P676573	ref NM_007626 ref NM_001110216 ref NM_001076789 ens ENSMUST00000118152
Elovl5	A_52_P676944	ref NM_134255 ens ENSMUST00000034904 gb AK085663 gb AK031743
Prmt5	A_52_P677147	ref NM_013768 ens ENSMUST00000023873 gb AF167573 gb AK165165
C77080	A_52_P68175	ref NM_001033189 ens ENSMUST00000052602 ens ENSMUST00000106051 ens ENSMUST00000097873
Cyb5b1	A_52_P681787	ref NM_007805 ens ENSMUST00000106922 ens ENSMUST00000019734 gb AK158978
Atg4c	A_52_P683728	ref NM_175029 ref NM_001145967 ref XM_001471854 ens ENSMUST00000030279
4732418C07Rik	A_52_P685938	ref NM_172698 ens ENSMUST00000074425 gb AK163820 gb AK162090
Odc1	A_52_P7041	gb EU684749 gb AK136817 gb AK172568 gb M20617
Snhg11	A_52_P70888	ref NM_175692 ens ENSMUST00000109488 gb BC028327 gb AK147324
	A_52_P714957	gb AK035727 riken 9530096I22
	A_52_P73201	gb AK042238 riken A630074B15 nap NAP081873-1 tc TC1607555
Gm88	A_52_P734742	ref NM_001111142 ref XM_001478757 ens ENSMUST00000095262 gb AK134769
Palbp1	A_52_P743305	ref NM_019402 gb AK137240 gb BG806432 riken 9530063N22
	A_52_P74524	ens ENSMUST00000070897 gb AK038227 riken A130088E03 nap NAP124631-1
Gm9292	A_52_P74637	ref XM_001002947 gb BC030401 gb AK132630 riken 4833436A07
Gm5978	A_52_P76196	ref XM_902301 ref XM_923508 ens ENSMUST00000071458 nap NAP000014-005
	A_52_P76629	gb AK148746 riken 7120442D10 nap NAP053276-1 tc TC1670231
Nt5c3	A_52_P77837	ref NM_026004 ens ENSMUST00000031793 ens ENSMUST00000116607 ens ENSMUST00000101367
Trp53	A_52_P781398	ref NM_011640 ref NM_001127233 ens ENSMUST00000108657 ens ENSMUST00000108658
Cpe	A_52_P78417	ref NM_013494 ref XM_001002936 ens ENSMUST00000048967 gb AK214717
1110032A03Rik	A_52_P78730	ref NM_023483 ens ENSMUST00000042468 ens ENSMUST00000042576 gb CT010205
	A_52_P788260	tc TC1624657
	A_52_P796069	tc TC1681867
2810001G20Rik	A_52_P81630	ref XM_001474349 ref XM_001476904 gb AK012631 gb AK007927
5830469G19Rik	A_52_P818642	gb AK018045 riken 5830469G19 nap NAP074925-1
	A_52_P819356	gb AK041684 gb AK163115 riken A630029O19 riken A730007E20
1520402A15Rik	A_52_P827311	gb AK047461 gb CF580275 riken B930067C23 nap NAP124807-1
	A_52_P82765	ens ENSMUST00000065861 nap NAP112024-1 tc NP065022
Ralgapa1	A_52_P83363	gb AK015025 riken 4930400K19 nap NAP073958-1
2410006F04Rik	A_52_P8361	gb AK019107 riken 2410006F04 nap NAP119793-1 tc TC1595970
Mrp45	A_52_P85983	ref NM_025927 ens ENSMUST00000019026 gb AK011605 gb AK004222
B230208H17Rik	A_52_P86750	gb AK081397 riken C130013O20 nap NAP020499-001
Pla2g12a	A_52_P87964	ref NM_183423 ref NM_023196 ens ENSMUST00000029629 ens ENSMUST00000061165
	A_52_P883920	gb AK043458 riken A730097D08 nap NAP082551-1 tc TC1616648
2810408P10Rik	A_52_P88793	ref NM_198619 ens ENSMUST00000105718 gb AK013050 gb BC058101
Oaz2	A_52_P90289	ref NM_010952 ens ENSMUST00000046490 gb AK160444 gb AK143231
	A_52_P91054	nap NAP068771-1
	A_52_P91757	ens ENSMUST00000037596 gb AK031119 riken 5930406J02 nap NAP094459-001
Wapal	A_52_P97154	ref NM_001004436 ens ENSMUST00000090027 ens ENSMUST00000048263 ens ENSMUST00000111895
	A_52_P973470	tc TC1659173 tc TC1666232
	A_52_P979258	gb AK088509 gb AK164218 riken E430019C17 riken D030015E08
	A_52_P996613	gb AK082839 riken C330039F12 nap NAP089895-1

Supplementary Table 2
(Continued)

CTX 15m		
Symbol	Agilent probe	Accessions
1190002A17Rik	A_51_P101006	ref NM_001033874 ens ENSMUST00000074156 gb AK004439 gb BC109352
Bop1	A_51_P104670	ref NM_013481 ens ENSMUST00000023217 ens ENSMUST00000100506 gb AK167225
Gtf2h4	A_51_P104747	ref NM_010364 ens ENSMUST00000001565 gb AK144680 gb AK146112
Itpr3	A_51_P104897	ref NM_080553 ens ENSMUST00000049308 gb AK028491 gb AB182289
Lypd6b	A_51_P105068	ref NM_027990 ens ENSMUST00000028103 gb AK009282 riken 2310010M24
Ras112	A_51_P105927	ref NM_001033158 ens ENSMUST00000085453 gb AK171623 gb AK087136
4930555G01Rik	A_51_P107039	ref NM_175393 ref XM_001475922 ref XM_001477839 ref XM_891048
Abcf1	A_51_P107234	ref NM_013854 ens ENSMUST00000043757 gb AK145549 gb AK153057
1700029I01Rik	A_51_P109496	ref NM_027285 ref NM_001083918 ref NM_001085522 ens ENSMUST00000084149
Havcr2	A_51_P109508	ref NM_134250 ens ENSMUST00000109229 ens ENSMUST00000020668 gb AK170775
Uqcr1	A_51_P109828	ref NM_025407 gb AK013128 gb AK184983 riken 2810421N18
C3	A_51_P110301	ref NM_009778 ens ENSMUST00000024988 gb K02782 gb BC043338
Nudt19	A_51_P111952	ref NM_033080 ens ENSMUST00000040962 gb X04097 gb K03414
Ap1s2	A_51_P113144	gb AK167690 gb AK045558 gb AK005223 riken I530028J21
Sh3bp5l	A_51_P115988	ref NM_024480 ref NM_001161338 ens ENSMUST00000116376 ens ENSMUST00000073128
A330021E22Rik	A_51_P116601	ref NM_172447 gb BC062906 gb BC050971 gb AK076835
Zeb2	A_51_P121206	ref NM_015753 ens ENSMUST00000076836 ens ENSMUST00000028229 ens ENSMUST00000068415
Golt1a	A_51_P121527	ref NM_026680 ens ENSMUST0000007433 ens ENSMUST00000094557 gb AK002581
Daglb	A_51_P122582	ref NM_144915 ens ENSMUST00000045593 gb AK136372 gb AK087884
Nkd1	A_51_P124285	ref NM_027280 ref NM_001163660 ref XM_909079 ens ENSMUST00000034086
Pop4	A_51_P125117	ref NM_025390 ens ENSMUST00000032585 gb AK003908 gb AK150459
Hars	A_51_P125368	ref NM_008214 ens ENSMUST00000001416 gb U39473 gb AK088824
Ccl21a	A_51_P129480	ref NM_011124 ref NM_011335 ref NM_023052 ref XM_001478610
Slc35a5	A_51_P129557	ref NM_028756 ens ENSMUST00000023344 gb AK150825 gb AK151484
Psmd3	A_51_P130427	ref NM_009439 ens ENSMUST00000017365 gb AK145488 gb AK164593
Asb13	A_51_P134627	ref NM_080857 ref NM_178283 ens ENSMUST00000042288 gb AK133892
Dlk1	A_51_P135618	gb L12721
Cyp4f15	A_51_P136303	ref NM_134127 ens ENSMUST00000008801 gb BC021377 gb AF233645
Sall2	A_51_P137094	ref NM_015772 ens ENSMUST00000058326 gb AB093233 gb AK077601
Pcbd1	A_51_P139320	ref NM_025273 ens ENSMUST00000020298 gb AK007401 gb BC024354
Ndufv3	A_51_P140211	ref NM_030087 ens ENSMUST00000046288 gb AK154191 gb AK154477
Fhl2	A_51_P140237	ref NM_010212 ens ENSMUST00000008280 gb U77040 gb AK147024
1600029O15Rik	A_51_P142206	gb AK005564 riken 1600029O15 nap NAP028968-1 nap NAP092088-1
Rspo1	A_51_P142421	ref NM_138683 ens ENSMUST00000030687 gb AK132277 gb AB016768
Myh7	A_51_P143162	ref NM_080728 ref XM_976893 ens ENSMUST00000102803 gb AJ223362
Otop2	A_51_P144222	ref NM_172801 ens ENSMUST00000055490 ens ENSMUST00000106544 gb AK028866
Ubr2	A_51_P144575	ref NM_146078 ens ENSMUST00000113335 ens ENSMUST00000113337 ens ENSMUST00000075833
Tuba3a	A_51_P145404	ref NM_009446 ref NM_009449 ens ENSMUST00000088246 ens ENSMUST00000087445
Cdkn1b	A_51_P146126	ref NM_009875 ens ENSMUST00000003115 gb AK169586 gb AK154276
Hmgcs1	A_51_P146941	ref NM_145942 ref XM_001475207 ref XM_001475230 ref XM_001475189
Prdx2	A_51_P147207	ref NM_011563 ens ENSMUST00000005292 ens ENSMUST00000109734 ens ENSMUST00000109733
Sfrs14	A_51_P147721	ref NM_172755 ref NM_001168290 ens ENSMUST00000093458 gb AK042293
Cpne9	A_51_P147766	ref NM_170673 ens ENSMUST00000041203 gb BC115728 gb AK044080
Mxd4	A_51_P148865	ref NM_010753 ens ENSMUST00000042701 ens ENSMUST00000119171 gb U32395
Hspa12a	A_51_P153557	ref NM_175199 ens ENSMUST00000066285 gb AB093239 gb AK141925
Zfp296	A_51_P154987	ref NM_022409 ens ENSMUST00000011411 ens ENSMUST00000116346 ens ENSMUST00000108453
Fam70a	A_51_P155813	ref NM_172930 ens ENSMUST00000066498 ens ENSMUST00000089054 gb AK078264
Atp2b3	A_51_P156526	gb AK032322 riken 6430519O13 nap NAP075073-1 tc TC1586624
Ngb	A_51_P158734	ref NM_022414 ens ENSMUST00000110176 ens ENSMUST00000021420 ens ENSMUST00000110177
Apoc1	A_51_P164504	ref NM_007469 ref NM_001110009 ens ENSMUST00000108451 ens ENSMUST00000045035
Mrpl33	A_51_P165330	ref NM_025796 ens ENSMUST00000031024 gb AB049651 gb AK002421
Ttc5	A_51_P166244	ens ENSMUST00000119043 ens ENSMUST00000121774 ens ENSMUST00000118313 ens ENSMUST00000117361
Rtp14	A_51_P166325	ref NM_001080949 ref XM_001003884 ref XM_982491 ens ENSMUST00000006451
Myh3	A_51_P167668	gb AK016631 riken 4933403E10 nap NAP006887-001
Gls2	A_51_P169087	ref NM_001099635 ref XM_908146 ens ENSMUST00000007301 ens ENSMUST00000108689
Ddx54	A_51_P170619	ref NM_001033264 ens ENSMUST00000044776 gb AK165896 gb AK039618
Map3k6	A_51_P170807	ref NM_028041 ens ENSMUST00000111876 gb AK210250 gb AK169255
Wnt10a	A_51_P171616	gb AB021861 nap NAP121553-001
Actb	A_51_P173760	ref NM_009518 ens ENSMUST00000006718 gb AK013836 gb BC014737
Slc17a6	A_51_P174996	ref NM_007393 gb BC138614 gb BC138611 gb J04181
Apccdd1	A_51_P175018	ref NM_080853 ens ENSMUST00000032710 gb AF324864 gb AK045409
Dbp	A_51_P180492	gb AK157407 gb AB023957 gb BC065780 gb AK172004
Pcdhb7	A_51_P184223	ref NM_016974 ens ENSMUST00000107740 ens ENSMUST00000107741 ens ENSMUST00000080885
Dhx35	A_51_P185563	ref NM_053132 ens ENSMUST00000053037 gb AK043979 gb AK046463
Gm2881	A_51_P186798	ref NM_145742 ens ENSMUST00000109478 ens ENSMUST00000029186 ens ENSMUST00000109476
Eps8	A_51_P188114	ref XM_001475285 gb AK076764 riken 4930439M07 nap NAP119166-1
Dad1	A_51_P189905	ref NM_007945 ens ENSMUST00000111878 ens ENSMUST00000100841 ens ENSMUST00000058210
Cep250	A_51_P191087	ref NM_001113358 ens ENSMUST00000022781 gb AK002446 gb U83628
Myh1	A_51_P192042	ref NM_001129999 ref NM_001130000 ref NM_008383 ref NM_177217
Glyctk	A_51_P194004	ref NM_030679 ens ENSMUST00000075734 ens ENSMUST00000018637 gb AK161607
Dnmt1	A_51_P195573	ref NM_174846 ref NM_001039586 ens ENSMUST00000036382 ens ENSMUST00000112543
		ref NM_010066 ens ENSMUST00000004202 gb AF175432 gb AF162282

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(Continued)

Zfp330	A_51_P195625	ref NM_145600 ens ENSMUST00000034147 gb AK050534 gb AK037748
Osbpl3	A_51_P196844	ref NM_027881 ref NM_001163645 ens ENSMUST00000114468 ens ENSMUST00000114470
Bre	A_51_P197365	ref NM_181279 ref NM_181280 ref NM_144541 ref NM_181282
1600014C10Rik	A_51_P199552	ref NM_028166 ref NM_001085385 gb BC019834 gb BC010476
Zbtb12	A_51_P200610	ref NM_198886 ens ENSMUST00000052778 gb BC062159 gb BC020447
Xrcc5	A_51_P201661	ref NM_009533 ens ENSMUST00000027379 gb X66323 gb AK081633
Ncapd2	A_51_P202074	ref NM_146171 ens ENSMUST00000112291 ens ENSMUST00000043848 gb AK156143
Gabrg2	A_51_P202084	ref NM_008073 ens ENSMUST00000070735 ens ENSMUST00000070725 ens ENSMUST00000109292
Abcb9	A_51_P202801	ref NM_019875 ens ENSMUST00000031354 gb AB093298 gb AF216495
Thg1l	A_51_P204646	ref NM_001080969 gb AK010876 gb BC115560 gb BC115561
Lst1	A_51_P205000	gb AF000427 gb AF000428 gb M18187 tc NP1221589
9030425E11Rik	A_51_P206144	ref NM_133733 gb AB040490 gb AK080481 gb BC026447
Gm14288	A_51_P206849	ref NM_001033123 ref XM_001004283 ref XM_001480623 ref XM_001004267
Tctex1d2	A_51_P209334	ref NM_025329 ens ENSMUST00000014220 ens ENSMUST00000080316 gb AK007178
	A_51_P210310	ens ENSMUST00000103291 gb X00438 gb DQ126341 gb EF154514
Pamr1	A_51_P212592	ref NM_173749 ens ENSMUST00000028612 ens ENSMUST00000111217 gb AK088017
Tbc1d20	A_51_P214107	ref NM_024196 gb BC002196 gb AK213557 gb AK181212
Klf16	A_51_P215097	ref NM_078477 ens ENSMUST00000038558 gb AF283891 gb AK154524
Plac9	A_51_P215627	ref NM_207229 ref XM_001472394 ref XM_001472576 ens ENSMUST00000052286
Rnf208	A_51_P217123	ref NM_176834 ens ENSMUST00000114351 ens ENSMUST00000114355 ens ENSMUST00000060818
Plcl2	A_51_P219444	ref NM_013880 ens ENSMUST00000043938 gb AK165548 gb AK154288
1110003O08Rik	A_51_P219532	gb AK003388 riken 1110003O08
H2-Q2	A_51_P219789	ref NM_010392 ens ENSMUST00000074806 gb AY989880 gb BC138688
Pfn1	A_51_P220993	ref NM_011072 ens ENSMUST00000018437 gb AK028117 gb AK150780
Cd47	A_51_P221014	ref NM_010581 ens ENSMUST00000084838 ens ENSMUST00000114496 gb AB012693
D14Ert449e	A_51_P222453	ref NM_025311 ref XM_001472492 ref XM_001472657 ref XM_001472510
Nr1d1	A_51_P223776	ref NM_145434 ens ENSMUST00000064941 gb AK041047 gb AK154931
Mypop	A_51_P226465	ref NM_145579 ens ENSMUST00000059331 gb M82905 gb M82906
Plekhh3	A_51_P228792	ref NM_146030 ens ENSMUST00000043397 ens ENSMUST00000107291 gb AK154510
Ogfod2	A_51_P228974	ref NM_025671 ens ENSMUST00000024470 ens ENSMUST00000119269 gb AK004943
Etnk1	A_51_P229599	ref NM_029250 ens ENSMUST00000032413 gb AK044502 gb AK033268
Rprd1b	A_51_P229633	ref NM_027434 gb DQ372939 gb BC028819 gb AK152125
Sorcs2	A_51_P230287	ref NM_030889 ens ENSMUST00000037370 gb AY004316 gb BC022668
EG240055	A_51_P232868	ref NM_001081656 ens ENSMUST00000059100 gb AK082655 gb AK030658
Rbck1	A_51_P233578	ref NM_019705 ref NM_001083921 ens ENSMUST00000109847 ens ENSMUST00000028964
Zc3h11a	A_51_P235117	ref NM_144530 ens ENSMUST00000027736 gb BC005786 gb AK134057
Ntkbie	A_51_P235123	ref NM_008690 ens ENSMUST00000024742 gb AK151450 gb AK011965
Kbtbd5	A_51_P235139	ref NM_028202 ens ENSMUST00000098272 gb AK009491 gb AK078669
	A_51_P235835	nap NAP015047-001
H2-T23	A_51_P237754	ref NM_010398 ens ENSMUST00000102678 gb AF082510 gb AB359230
Cyp4f18	A_51_P238094	ref NM_024444 ref XM_001472253 ens ENSMUST00000003574 gb AK007863
Etnk2	A_51_P238183	ref NM_175443 ens ENSMUST00000094555 gb AK077179 gb AK087818
Shisa4	A_51_P238523	ref NM_175259 ens ENSMUST00000041240 gb AK039457 gb AK192563
Dusp16	A_51_P242634	gb AF345951 gb AF345952 gb AF345953 gb AF345954
Zfp618	A_51_P244586	ref NM_028326 ens ENSMUST00000064814 gb AK173309 gb AK012894
Rpgrip1	A_51_P244973	ref NM_023879 ref NM_001168515 ens ENSMUST00000111603 ens ENSMUST00000111600
Arhgap25	A_51_P248629	ref NM_001037727 ref NM_175476 ens ENSMUST00000071024 ens ENSMUST00000101197
Ccdc80	A_51_P248786	ref NM_026439 ens ENSMUST00000099498 ens ENSMUST00000061050 gb AB075019
Dhx38	A_51_P250551	ref NM_178380 ens ENSMUST00000042601 gb U89410 gb AK153917
Actb	A_51_P251154	gb BC016624 nap NAP058693-1 tc TC1619697
Lemd2	A_51_P251508	ref NM_146075 gb BC050010 gb AK217086 gb AK082131
Rflf	A_51_P253527	ref NM_026097 ref NM_001164569 ref NM_001164570 ref NM_001007465
Tiam2	A_51_P256066	ref NM_011878 ref NM_001122998 ens ENSMUST00000072156 gb AK158489
BC037034	A_51_P258465	ref NM_153161 ens ENSMUST00000048421 gb AK046882 gb AK138960
Klhl1	A_51_P259118	ref NM_053105 ens ENSMUST00000022666 gb AK220397 gb AK031932
Gpatch3	A_51_P259555	ref NM_172876 ens ENSMUST00000030662 gb AK053051 gb BC121828
Tsk5	A_51_P259631	ref NM_001077591 ref NM_011651 ens ENSMUST00000120929 ens ENSMUST00000080233
Gcdh	A_51_P260098	gb U18992
H2-Q7	A_51_P262079	ref NM_010394 ens ENSMUST00000071951 gb X57330 gb BC120554
Rbm3	A_51_P262340	ref NM_001166409 ref NM_001166411 ref NM_001166410 ref XM_001480197
Fam69b	A_51_P264527	ref NM_019833 ens ENSMUST00000074240 gb AK171112 gb AK045880
Whrn	A_51_P264685	gb AK039124 riken A230098N07 nap NAP025425-001 tc TC1635500
Fbxo27	A_51_P265173	ref NM_207238 ref NM_001163702 ens ENSMUST00000039998 ens ENSMUST00000108280
2010012O05Rik	A_51_P267508	ref NM_025563 ens ENSMUST00000074912 gb AK008215 gb BC027506
Slc2a6	A_51_P268831	ref NM_172659 ens ENSMUST00000045702 ens ENSMUST00000102890 gb AK218156
Sid2	A_51_P269303	gb AK081177 riken B930096O19 nap NAP024477-001
Cirbp	A_51_P272106	ref NM_007705 ens ENSMUST00000105365 gb AK014655 gb AK132584
Mansc1	A_51_P274124	ref NM_026345 ens ENSMUST00000047443 gb AK002644 gb AK033526
Rit2	A_51_P277275	ref NM_009065 gb AK162953 gb AK138206 gb AK046484
Cstf1	A_51_P277767	ref NM_024199 ens ENSMUST00000029000 gb AK050686 gb BC003440
Gemin5	A_51_P278184	ref NM_172558 ref NM_001166669 ref NM_001166670 ref NM_001166671
Ptgs1	A_51_P279100	ref NM_008969 ens ENSMUST00000062069 gb M34141 gb AK159907
Cav2	A_51_P279552	ref NM_016900 ens ENSMUST00000000058 gb AF141322 gb AK151397
Rel1	A_51_P279712	ref NM_145923 ens ENSMUST00000087327 gb AK133845 gb BC023848
Pon2	A_51_P280928	ref NM_183308 ens ENSMUST00000057792 gb L48514 gb AK146311
Unc84a	A_51_P281433	ref NM_024451 ens ENSMUST00000058716 ens ENSMUST00000110884 ens ENSMUST00000078690

Supplementary Table 2
(Continued)

Gm14410	A_51_P283292	reflNM_001113806 reflXM_902322 reflXM_001472314 reflXM_001472066
Hhah1	A_51_P285077	reflNM_029095 reflNR_027967 ens ENSMUST00000035110 gb AK003605
Pigz	A_51_P285669	reflNM_172822 ens ENSMUST00000052174 gb AK089183 gb AK087516
Tmco6	A_51_P292368	reflNM_028036 ens ENSMUST00000007046 gb AK010487 gb BC005637
Mrps14	A_51_P293612	reflNM_025474 gb AK010242 gb AK007673 gb AK083352
Brd2	A_51_P295652	reflNM_001025387 reflNM_010238 reflXM_001475638 ens ENSMUST000000114241
Abcc8	A_51_P296995	reflNM_011510 ens ENSMUST00000033124 ens ENSMUST00000033123 gb AF213386
Slit3	A_51_P301809	reflNM_011412 ens ENSMUST00000069837 gb AF144629 gb BC150780
Rasl10a	A_51_P302942	reflNM_145216 ens ENSMUST00000037218 gb BC107200 gb BC107201
Scgb3a2	A_51_P303097	reflNM_054038 ens ENSMUST00000043803 ens ENSMUST00000115525 gb AK136396
Pepd	A_51_P303397	reflNM_008820 ens ENSMUST00000075068 ens ENSMUST00000108064 gb AK197573
Afap111	A_51_P303739	reflNM_178928 ens ENSMUST00000035734 ens ENSMUST00000120472 gb AK035227
Rerg	A_51_P305508	reflNM_181988 reflNM_001164212 reflNM_001164214 ens ENSMUST00000117919
Rcor2	A_51_P306689	reflNM_054048 ens ENSMUST00000066646 ens ENSMUST00000025920 ens ENSMUST00000113369
Syde1	A_51_P307316	reflNM_027875 ens ENSMUST00000040580 gb AK004654 gb AK187313
Cbln1	A_51_P307721	reflNM_019626 reflXM_001476274 ens ENSMUST00000034076 gb AK161846
Pkmyt1	A_51_P312360	gb AF175892 nap NAP000830-001
	A_51_P312956	gb AK034271 riken 9330171B01 tc TC1615635
Depdc5	A_51_P313035	reflNM_001025426 reflNM_001170567 ens ENSMUST00000120902 ens ENSMUST00000119705
Cd6	A_51_P313320	reflNM_001037801 reflNM_009852 ens ENSMUST00000080292 ens ENSMUST00000039043
Lmna	A_51_P313561	reflNM_019390 reflNM_001111102 ens ENSMUST00000036252 ens ENSMUST00000120377
Lmna	A_51_P313566	reflNM_019390 reflNM_001111102 ens ENSMUST00000036252 ens ENSMUST00000120377
Nfs1	A_51_P315646	reflNM_010911 ens ENSMUST00000029147 gb AJ222660 gb BC010586
Trpc3	A_51_P317695	reflNM_019510 ens ENSMUST00000029271 gb AF190645 gb AK080619
Kif3a	A_51_P319551	reflNM_008443 ens ENSMUST00000108958 ens ENSMUST00000057330 ens ENSMUST00000118353
Tomn34	A_51_P320876	reflNM_025996 ens ENSMUST00000109384 ens ENSMUST00000018466 gb AK144450
Hkdc1	A_51_P322972	reflNM_145419 ens ENSMUST00000020277 gb AK145980 gb BC016235
Sdc4	A_51_P323248	reflNM_011521 gb AK149784 gb AK145805 gb D89571
Fam71e1	A_51_P323531	reflNM_028169 ens ENSMUST00000107927 gb AK006229 gb BC100470
Agt	A_51_P323712	reflNM_007428 gb BC028877 gb BC019496 gb BC054387
Gm14288	A_51_P324768	reflNM_001033123 reflXM_001480623 reflXM_001004283 reflXM_001004267
Dnaja3	A_51_P326542	reflNM_023646 reflNM_001135112 ens ENSMUST00000115854 ens ENSMUST00000060067
Glb1	A_51_P327564	reflNM_009752 ens ENSMUST00000063042 gb AK171593 gb AK171760
Scg2	A_51_P327970	reflNM_009129 ens ENSMUST00000094810 ens ENSMUST00000049972 gb BC048249
Cops2	A_51_P328400	reflNM_009939 ens ENSMUST00000110462 ens ENSMUST00000110463 ens ENSMUST00000110466
Cyp2j9	A_51_P330044	reflNM_028979 ens ENSMUST00000055693 gb AK018422 gb AF336850
Srxn1	A_51_P330125	reflNM_029688 ens ENSMUST00000041500 ens ENSMUST00000099225 gb AK007296
Dcn	A_51_P334104	reflNM_007833 ens ENSMUST00000105287 gb AK165408 gb X53929
Ephb3	A_51_P334199	reflNM_010143 ens ENSMUST00000006112 ens ENSMUST00000085925 gb AK144414
Eya2	A_51_P334209	reflNM_010165 ens ENSMUST00000063433 ens ENSMUST00000063422 ens ENSMUST00000088132
Snap25	A_51_P335555	gb M22012 nap NAP057512-1 tc TC1596567
Man2b1	A_51_P336161	reflNM_010764 ens ENSMUST00000034121 gb AK171166 gb AK147928
Rnf43	A_51_P337101	reflNM_172448 ens ENSMUST00000092800 ens ENSMUST00000040089 ens ENSMUST00000121782
Myh4	A_51_P338072	reflNM_010855 ens ENSMUST00000018632 gb BC141362 gb AJ278733
Angptl4	A_51_P338443	reflNM_020581 ens ENSMUST00000002360 gb AK134419 gb AK132761
Mtap	A_51_P341349	reflNM_024433 ens ENSMUST00000058030 gb AK167319 gb AK005064
Ehmt2	A_51_P343016	reflNM_145830 reflNM_147151 ens ENSMUST00000114028 ens ENSMUST00000013931
Amn	A_51_P343350	reflNM_033603 ens ENSMUST00000021707 gb AK017204 gb BC087954
Psap1	A_51_P345073	reflNM_175249 ens ENSMUST00000052224 gb AK028455 gb AK009408
Sgta	A_51_P346104	reflNM_024499 ens ENSMUST00000005067 gb AK212065 gb AK191756
Kcnj9	A_51_P347673	gb AK007011 gb BC048090 gb BC038600 gb BC069221
C130081A10Rik	A_51_P349922	gb AK081838 riken C130081A10 nap NAP012164-001 tc TC1610977
Zfp365	A_51_P352216	reflNM_178679 ens ENSMUST00000064656 ens ENSMUST00000048213 gb AK033892
Sfrp1	A_51_P352296	reflNM_013834 ens ENSMUST00000033952 gb U88566 gb AK081052
Gal3st1	A_51_P354354	reflNM_016922 ens ENSMUST00000063004 ens ENSMUST00000109981 ens ENSMUST00000078757
	A_51_P355765	gb BC024984 gb AK019479 riken 4632401N01 nap NAP007397-001
Mvd	A_51_P355943	reflNM_138656 reflNR_028354 ens ENSMUST0000006692 gb AK153439
Baiap3	A_51_P356045	reflNM_001163270 ens ENSMUST00000056357 gb AK122358 gb BC022659
Fbxw9	A_51_P357561	reflNM_026791 ens ENSMUST00000095220 gb AK203100 gb BC160262
Txn14a	A_51_P360836	reflNM_178604 reflNM_001038608 reflNM_001042408 ens ENSMUST00000025463
Agpat5	A_51_P361286	reflNM_026792 gb AK082137 gb AK036706 riken C230012M10
Itih5	A_51_P364250	reflNM_172471 ens ENSMUST00000026886 gb AK134707 gb AK140756
Trdm1	A_51_P365952	reflNM_010067 ens ENSMUST00000028055 gb BC087892 gb AF012129
Itih3	A_51_P367100	reflNM_008407 ens ENSMUST00000006697 ens ENSMUST00000112141 gb X70393
Pttg1	A_51_P371190	reflNM_013917 reflNM_001131054 ens ENSMUST00000121638 ens ENSMUST00000020687
Fam189b	A_51_P372522	reflNM_001014995 ens ENSMUST00000117278 ens ENSMUST00000041913 ens ENSMUST00000119707
Smox	A_51_P372826	reflNM_145533 ens ENSMUST00000110186 ens ENSMUST00000028806 ens ENSMUST00000110184
Zfp433	A_51_P372895	reflXM_984400 reflXM_924400 gb AK007242 gb BC064812
Wnt9a	A_51_P375453	reflNM_139298 ens ENSMUST00000108783 ens ENSMUST00000000128 gb AK087490
Tcea2	A_51_P375667	reflNM_009326 ens ENSMUST00000103042 gb AB221557 gb BC138504
Zfp783	A_51_P376912	reflNR_027963 ens ENSMUST00000095946 gb AK220535 gb AK039184
Map3k10	A_51_P377667	reflNM_001081292 ens ENSMUST00000108341 ens ENSMUST00000036453 gb AK053830
Arhgef3	A_51_P380337	reflNM_027871 ens ENSMUST00000049206 ens ENSMUST00000067296 gb BC007153
Otd3	A_51_P381397	reflNM_028453 ens ENSMUST00000097830 ens ENSMUST00000043226 gb AK014098
Arf5	A_51_P381801	reflNM_007480 ens ENSMUST00000020717 gb AY974568 gb BC132452
Shisa5	A_51_P386382	reflNM_025858 reflNM_026381 ens ENSMUST00000112059 ens ENSMUST00000026737

Supplementary Table 2
(Continued)

Tshz3	A_51_P387379	reflNM_172298 ens ENSMUST00000021641 gb AK041793 gb BC150674
Zfp238	A_51_P388042	reflNM_013915 reflNM_001012330 ens ENSMUST00000077225 ens ENSMUST000000094276
Bat1a	A_51_P388099	reflNM_019693 ens ENSMUST000000093645 ens ENSMUST00000068056 gb AY255786
Larp6	A_51_P390285	reflNM_026235 ens ENSMUST00000038407 gb AK017372 gb AK047452
Agxt2l1	A_51_P391616	reflNM_027907 reflNM_001163587 ens ENSMUST00000072271 gb BC043680
D8Erd738e	A_51_P391668	reflNM_001007571 reflNM_001471475 ens ENSMUST00000019506 gb AK167785
Snx22	A_51_P394585	reflNM_001025612 ens ENSMUST00000044711 gb AK032028 riken 6330551A05
Peci	A_51_P394665	reflNM_011868 reflNM_001110331 reflNM_001110332 ens ENSMUST00000110251
Syn2	A_51_P396325	reflNM_013681 gb AF096867 gb AK029181 riken 4831410C22
Tppp	A_51_P398260	reflNM_182839 ens ENSMUST00000022057 gb AK013631 gb BC054803
Ywhae	A_51_P400236	reflNM_009536 gb D87663 gb AK075995 gb AK135831
Sspn	A_51_P401659	reflNM_010656 ens ENSMUST00000111701 ens ENSMUST00000111702 ens ENSMUST00000032383
Pcgf5	A_51_P407989	reflNM_029508 ens ENSMUST00000062389 ens ENSMUST00000071267 gb BC145590
Mfsd10	A_51_P410022	reflNM_026660 ens ENSMUST00000114329 ens ENSMUST00000114331 ens ENSMUST00000001109
Exosc9	A_51_P416243	reflNM_019393 reflNM_983011 ens ENSMUST00000029269 gb AK076096
Irgm2	A_51_P416295	reflNM_019440 ens ENSMUST000000094169 ens ENSMUST00000058704 ens ENSMUST00000108836
Tbc1d22a	A_51_P416397	reflNM_145476 ens ENSMUST00000109385 ens ENSMUST00000063414 gb AK207869
Calr	A_51_P416419	reflNM_007591 ens ENSMUST00000003912 gb AK160197 gb M92988
Pbx3	A_51_P416974	reflNM_016768 reflNM_001478299 ens ENSMUST00000040638 ens ENSMUST00000113132
Gabra2	A_51_P417507	reflNM_008066 reflNM_001478553 ens ENSMUST00000000572 gb M86567
Larp1	A_51_P418908	reflNM_028451 ens ENSMUST00000071487 gb AK129202 gb AK148019
Gadd45gip1	A_51_P419086	reflNM_183358 gb AK003314 gb AK009723 gb AK028227
Flot1	A_51_P423091	reflNM_008027 ens ENSMUST00000001569 gb AY167925 gb U90435
Morn1	A_51_P423825	reflNM_001081100 ens ENSMUST00000030915 gb BC132619 gb BC145744
H2-Q2	A_51_P425048	reflNM_010392 ens ENSMUST00000074806 gb AY989880 gb BC138688
Vat1l	A_51_P425167	reflNM_173016 ens ENSMUST00000049509 gb AK122527 gb AK035009
Gpi1	A_51_P426886	reflNM_008155 ens ENSMUST00000038027 gb AK150341 gb AK159838
C4b	A_51_P428708	reflNM_009780 reflNM_011413 reflNM_972987 reflNM_973068
H2-T22	A_51_P432538	reflNM_010397 reflNM_010395 reflNM_010399 reflNM_001471650
H2-T22	A_51_P432544	reflNM_010397 reflNM_010399 reflNM_001471650 reflNM_001471649
Slc22a23	A_51_P433837	reflNM_001033167 ens ENSMUST00000040336 ens ENSMUST00000099591 gb AK013991
Mapk10	A_51_P433989	reflNM_009158 reflNM_001081567 ens ENSMUST00000060871 ens ENSMUST00000112848
Herpud1	A_51_P434101	reflNM_022331 ens ENSMUST00000034220 gb AK081688 gb AB034991
Tmem186	A_51_P435027	reflNM_025708 ens ENSMUST00000052505 gb AK014478 gb AK013147
Zfp871	A_51_P436447	reflNM_172458 ens ENSMUST000000057501 gb AK029041 gb BC043671
Rbm28	A_51_P437786	reflNM_133925 ens ENSMUST00000007993 gb BC027123 gb BC018373
Rbm28	A_51_P437787	reflNM_133925 ens ENSMUST00000007993 gb BC027123 gb BC018373
Smarcal1	A_51_P438293	reflNM_018817 gb AK133701 gb BC038250 gb BY759648
Inadl	A_51_P438905	reflNM_172696 reflNM_007704 ens ENSMUST000000041284 ens ENSMUST00000107035
Anapc7	A_51_P442481	reflNM_019805 ens ENSMUST000000031422 ens ENSMUST00000122010 gb AK164202
Npas1	A_51_P442993	reflNM_008718 ens ENSMUST00000002053 gb AK158830 gb U77967
Gm7035	A_51_P444565	reflNR_004446 reflNM_001473226 reflNM_975970 reflNM_992574
Rab2b	A_51_P446132	reflNM_172601 ens ENSMUST00000022765 ens ENSMUST00000100631 gb AK038393
Cldnd1	A_51_P446477	reflNM_171826 ens ENSMUST00000023426 gb AK216958 gb AK152121
5730409E04Rik	A_51_P446886	reflNM_001145950 reflNM_001013755 gb AK033039 gb BC051225
Slc10a4	A_51_P448479	reflNM_173403 reflNM_001024147 ens ENSMUST00000031124 gb AK087479
Wbp11	A_51_P448987	reflNM_021714 ens ENSMUST00000032340 ens ENSMUST00000116514 gb AK145917
1110036O03Rik	A_51_P450952	ens ENSMUST00000066489 ens ENSMUST00000107402 gb AK029271 riken 4832408F05
1110036O03Rik	A_51_P450955	reflNM_176830 ens ENSMUST00000066489 ens ENSMUST00000107402 gb BC031856
Klf6	A_51_P451346	reflNM_011803 ens ENSMUST00000000080 gb AK147904 gb AK146615
D10Erd610e	A_51_P451516	reflNM_028027 reflNM_001166413 ens ENSMUST00000019611 gb AF487515
Manba	A_51_P454103	reflNM_027288 ens ENSMUST000000029814 gb AF306557 gb AK166340
Ring1	A_51_P455266	reflNM_009066 ens ENSMUST000000025183 gb Y12881 gb AK155509
Stx16	A_51_P455632	reflNM_172675 reflNM_001102423 reflNM_001102424 reflNM_001102425
Rgl2	A_51_P460890	reflNM_009059 ens ENSMUST00000047503 gb U54639 gb AK144440
Grppa	A_51_P462546	reflNM_133708 ens ENSMUST00000113584 ens ENSMUST00000116580 ens ENSMUST00000037796
Kcnk4	A_51_P462658	reflNM_008431 gb AF056492 nap NAP019387-001 tc TC1590517
Tmem40	A_51_P463060	reflNM_144805 reflNM_001168256 reflNM_001168257 reflNM_001168258
Hspb8	A_51_P464387	reflNM_030704 ens ENSMUST00000036991 gb AK005052 gb BC011219
Il4ra	A_51_P464478	reflNM_001008700 ens ENSMUST00000033004 gb AK159375 gb M29854
3632451O06Rik	A_51_P465147	ens ENSMUST00000036972 ens ENSMUST00000118129 gb AK049427 gb AK028178
Mcfd2	A_51_P465232	reflNM_139295 reflNM_176808 ens ENSMUST00000024963 gb AK075781
Hdh3d	A_51_P465582	reflNM_024257 ens ENSMUST000000037820 gb BC003491 gb AK013245
Pitpna	A_51_P466371	reflNM_008850 gb AK165659 gb BC012970 gb U96725
Ahcy	A_51_P473533	gb AK154302 gb BC015304 gb JL32836 gb BC108367
Kif3a	A_51_P473907	reflNM_008443 ens ENSMUST00000120613 ens ENSMUST00000108958 ens ENSMUST00000057330
Prss12	A_51_P477682	reflNM_008939 ens ENSMUST00000029603 gb AK132633 gb D89871
	A_51_P478172	ens ENSMUST00000103299 gb U07661 gb M15459 gb AK138971
Nosip	A_51_P479177	reflNM_025533 reflNM_001163684 ens ENSMUST00000003513 ens ENSMUST00000107830
Klhdc10	A_51_P479528	reflNM_029742 ens ENSMUST00000068259 ens ENSMUST00000068240 gb AK086657
Blmh	A_51_P480904	reflNM_178645 ens ENSMUST000000021197 gb BC027403 gb AK206222
Dhcr24	A_51_P482711	reflNM_053272 ens ENSMUST00000047973 gb AK010192 gb AK129036
Efcab7	A_51_P485275	reflNM_145549 ens ENSMUST00000097959 gb AK220422 gb AK142188
	A_51_P485421	ens ENSMUST00000103426 ens ENSMUST00000103425 gb AK088666 gb AF052834
	A_51_P486497	ens ENSMUST00000101077 gb AK040705 riken A530017D24 nap NAP117824-1
Agap2	A_51_P488121	reflNM_001033263 ens ENSMUST00000039259 ens ENSMUST00000105254 gb AK147446

Supplementary Table 2
(Continued)

Cyth3	A_51_P488928	reflNM_011182 reflNM_001163548 ens ENSMUST00000018145 ens ENSMUST000000116456
Xlr3c	A_51_P490070	reflNM_011727 reflNM_001081643 reflNM_001110784 reflXM_903265
Nphp4	A_51_P490148	reflNM_153424 ens ENSMUST00000056567 ens ENSMUST00000081393 ens ENSMUST000000105647
Nudt8	A_51_P490388	reflNM_025529 ens ENSMUST00000025802 gb AK045197 gb AK170076
9130024F11Rik	A_51_P494293	reflNR_024325 reflNR_024326 gb AK020268 gb AK046737
Gad2	A_51_P495462	reflNM_008078 ens ENSMUST00000028123 gb AK018118 gb AK161857
Slit2	A_51_P496569	reflNM_178804 ens ENSMUST00000033967 gb D67077 gb AF144628
H2-Q10	A_51_P496997	reflNM_010391 reflNM_010380 reflNM_010390 reflNM_207648
C2	A_51_P497985	reflNM_013484 ens ENSMUST00000025230 gb AK146812 gb M57891
Cnpy3	A_51_P498403	reflNM_028065 ens ENSMUST00000059844 gb AF361644 gb AK082749
Dfna5	A_51_P498631	reflNM_018769 ens ENSMUST00000031845 gb AK016561 gb AK171278
Loh12cr1	A_51_P498947	reflNM_026371 reflNM_001170479 ens ENSMUST00000062755 gb AK169615
Abcf2	A_51_P500313	reflNM_013853 ens ENSMUST00000030795 gb AF213382 gb AK209085
Slitrk6	A_51_P503822	reflNM_175499 ens ENSMUST00000078386 gb AK029275 riken 4832410J21
Mrp155	A_51_P506250	reflNM_026035 ens ENSMUST00000108784 ens ENSMUST00000116374 ens ENSMUST00000108787
Aldh3b1	A_51_P506356	reflNM_026316 ens ENSMUST00000051803 ens ENSMUST00000100035 gb AK004004
5330426P16Rik	A_51_P507234	reflNR_028300 gb AK052569 gb AK045752 gb AK137010
Arfgap1	A_51_P509223	reflNM_145760 ens ENSMUST00000109055 ens ENSMUST00000108859 ens ENSMUST00000029092 ens ENSMUST00000098981
Uap111	A_51_P509669	reflNM_001033293 gb AK197166 gb BC130030 gb AK077550
1110008J03Rik	A_51_P510722	reflNM_029096 ens ENSMUST00000031599 gb AK003581 gb BC021365
	A_51_P510914	ens ENSMUST00000109055 ens ENSMUST00000109011 gb AK013921 gb U62393
	A_51_P510916	ens ENSMUST00000109011 ens ENSMUST00000108980 ens ENSMUST00000119149 ens ENSMUST00000120959
Alad	A_51_P512072	reflNM_008525 ens ENSMUST00000107444 ens ENSMUST00000030090 gb AK168132
Gins4	A_51_P513085	reflNM_024240 ens ENSMUST00000033950 gb AK164815 gb BC002156
Cdkn2c	A_51_P513720	gb U19596 nap NAP108815-1 tc TC1596499
Prdm16	A_51_P514139	reflNM_027504 ens ENSMUST00000105638 ens ENSMUST00000030902 ens ENSMUST00000105637
Ntrk2	A_51_P516006	gb AK018789 riken 1500040113
Ntrk2	A_51_P516012	reflNM_008745 gb AK018789 gb AK009606 gb BC052014
Vps11	A_51_P516362	reflNM_027889 ens ENSMUST00000034644 gb AK090030 gb AK004695
Klhl13	A_51_P521304	reflNM_026167 ens ENSMUST00000115313 ens ENSMUST00000115317 ens ENSMUST00000115319
	A_52_P102846	gb U07661 gb U07660 gb AK083362 gb AK087950
Ncoa3	A_52_P103066	reflNM_008679 ens ENSMUST00000088095 ens ENSMUST00000109252 gb AK142306
	A_52_P1035662	gb AK032159 riken 6430404D24
Skp1a	A_52_P10458	reflNM_011543 ens ENSMUST00000037324 ens ENSMUST00000109072 gb AK012498
Fam114a2	A_52_P104700	reflNM_026342 reflNM_001168668 reflNM_001168667 ens ENSMUST00000108850
Cicn7	A_52_P105015	reflNM_011930 ens ENSMUST00000040729 gb AK178110 gb AK032674
Gdi2	A_52_P1073	reflNM_008112 ens ENSMUST00000059515 ens ENSMUST00000110714 gb AK143681
	A_52_P1084348	ens ENSMUST00000115059 ens ENSMUST00000115058 gb AK032303 riken 6430517L18
Irx1	A_52_P1092823	reflNM_010573 ens ENSMUST00000077337 gb AK133937 riken 5730541C20
	A_52_P1133481	gb BF149456 tc TC1779913
Rbl2	A_52_P117325	reflNM_011250 ens ENSMUST00000034091 gb AK160027 gb Z68184
Zdhhc8	A_52_P124173	reflNM_172151 ens ENSMUST00000076957 gb AK054280 gb AY894892
Pon2	A_52_P126055	reflNM_183308 ens ENSMUST00000057792 gb AK214187 gb AK171926
Ogfod2	A_52_P128951	reflNM_025671 ens ENSMUST00000024470 ens ENSMUST00000119269 gb AK004916
B4galnt1	A_52_P130972	gb BC022180 gb AK086849 riken E030004J15 nap NAP087559-1
LOC633908	A_52_P131372	reflXM_913504
Ankrd27	A_52_P1333	reflNM_145633 ens ENSMUST00000040844 ens ENSMUST00000085536 ens ENSMUST00000085538
Hmgcr	A_52_P137371	reflNM_008255 ens ENSMUST00000022176 gb AK079302 gb BC085083
Prkaa2	A_52_P137378	reflNM_178143 ens ENSMUST00000030243 gb AK044030 gb AK020297
	A_52_P137442	reflXM_001477177 gb BC080297 gb AK047289 gb AK036941
Gm10653	A_52_P138036	reflNR_003965 reflXM_001477193 reflXM_620258 reflXM_916251
Pcyt2	A_52_P142154	reflNM_024229 ens ENSMUST00000026129 ens ENSMUST00000106188 gb AK004054
Eif1ay	A_52_P145237	gb AK031113 gb AK165574 gb AK090053 gb AK134969
Zyg11b	A_52_P14526	reflNM_001033634 gb AK034007 riken 9330140A08 nap NAP011487-001
Olfm3	A_52_P150950	reflNM_153157 reflNM_153458 ens ENSMUST00000081752 ens ENSMUST00000051309
H2-Q8	A_52_P152133	reflNM_023124 reflXM_001471706 gb AK013097 riken 2810417A05
Pwp2	A_52_P152476	reflNM_029546 reflXM_909464 ens ENSMUST00000042556 ens ENSMUST00000105392
Phldb2	A_52_P153700	reflNM_153412 ens ENSMUST00000076333 ens ENSMUST00000036355 ens ENSMUST00000077934
Sesn2	A_52_P154710	gb AK170547 riken F630107J04 nap NAP123409-1
St3gal3	A_52_P155692	reflNM_009176 reflNM_001161774 ens ENSMUST00000097912 ens ENSMUST00000106410
Spef1	A_52_P156765	reflNM_027641 ens ENSMUST00000028801 ens ENSMUST00000110218 gb AK016476
St6galnac4	A_52_P158282	reflNM_011373 gb AK155956 gb AK007601 gb AK153036
Zfp777	A_52_P159951	reflNM_001081382 ens ENSMUST00000095944 ens ENSMUST00000114583 gb BC020288
Mapk11	A_52_P168449	reflNM_011161 ens ENSMUST00000088823 gb AK161190 gb AK144846
Mfsd4	A_52_P168524	reflNM_172510 ens ENSMUST00000112370 gb BC058790 gb FN434126
	A_52_P173453	ens ENSMUST00000112728 gb CA574606 gb CD352833 nap NAP106696-1
Usp3	A_52_P173485	reflNM_144937 ens ENSMUST00000098613 ens ENSMUST00000034940 gb BC017156
Aktip	A_52_P174313	reflNM_010241 ens ENSMUST00000109609 ens ENSMUST00000120426 ens ENSMUST00000120349
H2afy	A_52_P179238	reflXM_001476780 ens ENSMUST00000045788 gb BC006955 gb AF171081
8030453O22Rik	A_52_P180359	gb AK047163 riken B930030E13 nap NAP083567-1 tc TC1607868
Pcdhb17	A_52_P180741	reflNM_053142 ens ENSMUST00000053856 gb AK077255 gb AF326310
	A_52_P189338	nap NAP093999-001
Fam92a	A_52_P190807	gb AK032690 riken 6530443I23 nap NAP075171-1 tc TC1603919
Kcng2	A_52_P192085	reflXM_140499 ens ENSMUST00000077962 gb AK158780 riken K430308M08
Gm6548	A_52_P192106	reflNR_003363 gb BC089461 nap NAP114602-1 nap NAP103085-1
lqsec1	A_52_P194289	reflNM_001134384 reflNM_001134383 gb AK044711 riken A930035E24

Supplementary Table 2
(Continued)

4930555G01Rik	A_52_P195235	ref NM_175393 ref XM_001475922 ref XM_001477839 ref XM_891048
Gm5978	A_52_P196972	ref XM_902301 ref XM_923508 ref XM_001472285 ref XM_001474850
Urgcp	A_52_P199299	ref NM_001077661 ref NM_178623 ens ENSMUST00000118076 ens ENSMUST00000120306
Cd320	A_52_P204744	ref NM_019421 ens ENSMUST00000002379 ens ENSMUST00000087559 gb AK021187
Pop4	A_52_P206492	ref NM_025390 ens ENSMUST00000032585 gb AK003908 gb AK150459
Zfp422	A_52_P212336	ref NM_026057 ens ENSMUST00000079749 ens ENSMUST00000112880 ens ENSMUST00000057540
Slc4a1ap	A_52_P208544	ref NM_009206 ens ENSMUST00000114533 ens ENSMUST00000031023 ens ENSMUST00000117262
Tmem88	A_52_P209484	ref NM_025915 ens ENSMUST00000050140 gb AK010789 gb AK011240
6820431F20Rik	A_52_P212336	ref NR_028428 ref NR_030708 ens ENSMUST00000096485 gb AK035187
Cul9	A_52_P213036	gb BC041674 nap NAP019611-001 tc TC1596517
5031425E22Rik	A_52_P217492	gb AK017143 riken 5031425E22
D830030K20Rik	A_52_P218930	ref NM_177135 ref XM_001475600 ref XM_001475847 ref XM_001477400
Map3k6	A_52_P222775	ref NM_016693 ens ENSMUST00000030677 gb BC125577 gb BC120565
Gm5165	A_52_P223853	ref XM_001477831 ref XM_356261 nap NAP102652-1 nap NAP101092-1
2610201A13Rik	A_52_P225370	gb AK011855 riken 2610201A13 nap NAP017560-001 tc TC1678410
1110018N20Rik	A_52_P225888	gb AK044157 gb AK004537 gb AK003793 gb AY672066
Hmg20a	A_52_P228389	gb AK039222 gb AK017716 riken A230109N15 riken 5730490E10
5430435G22Rik	A_52_P244682	ref NM_145509 ens ENSMUST00000064679 ens ENSMUST00000064664 gb AK036056
Mylh3	A_52_P247953	ref NM_001099635 ref XM_908146 ens ENSMUST00000007301 ens ENSMUST00000108689
Gm7949	A_52_P249283	ref XM_981943 gb BC064077 nap NAP102395-1 nap NAP113136-1
Tcap	A_52_P249733	ref NM_011540 ens ENSMUST00000008021 gb AK010167 gb AJ223854
9830001H06Rik	A_52_P257919	ref NM_001164663 ens ENSMUST00000060908 gb AK031493 gb AK147227
Phf20	A_52_P259258	ref NM_172674 ens ENSMUST00000088600 ens ENSMUST00000037401 gb BC060121
Arnt2	A_52_P260696	ref NM_007488 ens ENSMUST000000085077 gb AK051629 gb AB093225
Cml5	A_52_P2710	ref NM_023493 ens ENSMUST00000032074 gb AK007530 gb AF187099
Rbm39	A_52_P275324	gb AK050568 riken C820020J16 nap NAP103928-1 tc TC1631661
Ankrd9	A_52_P276525	ref NM_175207 ens ENSMUST00000043459 gb AK172167 gb AK010867
Ankrd9	A_52_P276529	ref NM_175207 ens ENSMUST00000043459 gb AK010867 gb AK172167
Atp9a	A_52_P276840	ref NM_015731 ens ENSMUST00000109170 ens ENSMUST00000029060 ens ENSMUST00000109171
Adam23	A_52_P277205	ref NM_011780 ens ENSMUST00000097717 ens ENSMUST00000087374 ens ENSMUST00000114107
Daglb	A_52_P277394	gb AK081509 riken C130025A20 nap NAP121638-001 tc TC1623592
Rps2	A_52_P277592	ref NM_008503 ref XM_917948 ref XM_620258 ref XM_001479285
Zbtb20	A_52_P279651	ref NM_019778 ref NM_181058 ens ENSMUST00000079441 ens ENSMUST00000114695
Glg1	A_52_P279759	gb AK050772 riken D030018I01
	A_52_P280821	nap NAP123201-1
Igfbp5	A_52_P281702	ref NM_010518 ens ENSMUST00000027377 gb AK011683 gb BC003951
Pcrlf1	A_52_P285124	gb AK041830 riken A630040N15 nap NAP005590-001
H2afj	A_52_P286488	ref NM_177688 gb AK053755 gb AW490391 riken E130307C13
2810011L19Rik	A_52_P290374	gb BC059025 gb AK045952 riken B230326M03 nap NAP124786-1
Srxn1	A_52_P297032	ref NM_029688 ens ENSMUST00000041500 ens ENSMUST00000099225 gb AK161066
Amelx	A_52_P297251	ref NM_009666 ref NM_001081978 ens ENSMUST00000062820 ens ENSMUST00000112120
Ube2i	A_52_P297731	ref NM_011665 ref XM_620954 ens ENSMUST00000049911 gb AK004248
Slc25a3	A_52_P299231	gb AK028313 gb A1647318 riken 3526402M16 nap NAP051597-1
6530418L21Rik	A_52_P29953	ref NM_175398 ref NM_001163356 ens ENSMUST00000066610 gb AK033558
Tuba8	A_52_P303161	ref NM_017379 gb AJ245923 gb AK009651 gb AK009439
Tecpr1	A_52_P303650	gb AK040462 riken A430099H23 nap NAP094283-001
H2-D1	A_52_P313279	ref NM_010380 ref NM_010392 ens ENSMUST00000078966 ens ENSMUST00000087173
	A_52_P313570	nap NAP070973-1 nap NAP068914-1
	A_52_P315030	nap NAP030387-1
1110038B12Rik	A_52_P31814	ref NR_027943 ref NR_015536 gb AK002372 gb AK004150
Tmem151a	A_52_P323315	ref NM_001001885 ens ENSMUST00000077066 gb AK163651 gb AK139456
Hcfc2	A_52_P32683	gb AK040565 riken A430106M23 nap NAP002335-001 tc TC1597970
Pdzrn3	A_52_P327176	ref NM_018884 ens ENSMUST00000075994 ens ENSMUST00000101117 gb AK173098
Ryr3	A_52_P328350	ref NM_177652 ens ENSMUST00000091818 ens ENSMUST00000080673 ens ENSMUST00000099579
Wdfy1	A_52_P328825	ref NM_001111279 ens ENSMUST00000097685 ens ENSMUST00000113512 ens ENSMUST00000113513
Gm8225	A_52_P330997	ref XM_985281 ref XM_994358 ref XM_001472285 ref XM_001474850
6820431F20Rik	A_52_P335089	ref NR_028428 ref NR_030708 gb AK009182 gb AK017816
Gabra2	A_52_P336171	gb AK079593 gb AK036049 gb BB339336 riken A330042O22
	A_52_P336513	nap NAP068580-1 nap NAP029859-1
Cyp4a10	A_52_P340136	gb X71478
	A_52_P341708	gb AK081879 gb AK007507 gb BY707561 gb BI736050
Nat8l	A_52_P347176	ref NM_001001985 ens ENSMUST00000056355 gb BC034068 gb BC075616
	A_52_P355480	nap NAP037317-1 tc TC1677116 tc TC1680031
	A_52_P355751	ref NM_001024712 ref NM_001164727 gb BC055874 gb BC027416
Ncrna00085	A_52_P357962	ref NM_001162909 ens ENSMUST00000012759 gb BC171977 gb BC171982
Osbpl3	A_52_P360308	ref NM_001163645 ref NM_027881 gb AK040984 riken A530055M08
Ncln	A_52_P362476	ref NM_134009 ens ENSMUST00000020463 ens ENSMUST00000118498 gb AK206698
6430604M11Rik	A_52_P365505	gb AK032585 gb AK163746 gb AK039501 riken 6430604M11
Tmem91	A_52_P365633	ref NM_177102 ens ENSMUST00000108404 ens ENSMUST00000108405 ens ENSMUST00000079439
Mri1	A_52_P367791	ref NM_026423 ens ENSMUST00000005122 gb AK007709 gb AK164894
Ddx21	A_52_P372032	ref NM_019553 gb BC043655 gb BC059237 gb BC060220
Ap1s3	A_52_P377576	ens ENSMUST00000067229 gb BC054111 gb BE371703 tc TC1582600
	A_52_P379505	nap NAP030809-1 nap NAP030805-1
Gtpbp6	A_52_P380250	ref NM_145147 ens ENSMUST00000077220 gb AK082192 gb AK144812
Srbd1	A_52_P380460	ref NM_030133 ref XM_001479682 ref XM_001480810 ens ENSMUST00000043323
Tia1	A_52_P381009	gb AK009502 gb AK009914 riken 2310026D05 riken 2310050N03

Supplementary Table 2
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Nat5	A_52_P38317	gb AK046153 riken B230345H17 tc TC1767749 tc TC1629707
Gm2974	A_52_P386075	ens ENSMUST00000096159 ens ENSMUST00000090647 gb AK084071 gb AK080783
Sox2ot	A_52_P389324	ref NR_015580 gb AK045614 gb AK031826 gb BC057611
Kbtbd11	A_52_P394448	ref NM_029116 ref XM_001474596 ref XM_001474229 ens ENSMUST00000058886
Golga7	A_52_P398018	gb AK089856 gb BC064083 riken F830033L24 nap NAP072825-1
B4gal2	A_52_P399990	ref NM_017377 ens ENSMUST00000106421 ens ENSMUST00000030266 gb BC145335
Mpp5	A_52_P402881	ens ENSMUST00000082024 gb BC075698 gb AK040265 gb AK133187
Cdh4	A_52_P402897	ref NM_009867 gb AK038529 gb AK049087 riken C230097M15
Txn14a	A_52_P407145	ref NM_025299 gb AK004039 gb AK148287 gb AK166497
Adams15	A_52_P407280	ref NM_001113548 ens ENSMUST00000095446 gb BC034843 gb AK028819
Pi16	A_52_P413756	ref NM_023734 ens ENSMUST00000024808 ens ENSMUST00000114698 ens ENSMUST00000114701
	A_52_P41865	nap NAP101328-1
Rnf220	A_52_P418734	ref NM_025739 ens ENSMUST00000116298 ens ENSMUST00000097914 ens ENSMUST00000102690
Vps36	A_52_P421417	gb AK156241 gb AK013045 riken 2810408E15 riken F830013F21
Mtss1	A_52_P421947	gb AK134122 gb AK046628 riken 5830444I24 riken B430212B02
Lrrtm4	A_52_P424206	gb AK032470 gb BC037216 riken 6430558H08 nap NAP116396-1
LOC547150	A_52_P425634	ref NR_030708 gb BC086760 gb AK081322 gb AK134636
Adcyap1	A_52_P425667	ref NM_009625 ens ENSMUST00000064775 gb BC057344 gb AK142765
Slc15a2	A_52_P426605	gb AK018393 gb BC051199 gb BC018335 riken 8430408C16
H2-Q10	A_52_P428354	ref NM_010391 ens ENSMUST00000040279 ens ENSMUST00000056774 ens ENSMUST00000068291
Dcun1d1	A_52_P430934	ref NM_033623 ref XM_001476879 ens ENSMUST00000121632 ens ENSMUST00000099528
	A_52_P433450	nap NAP097631-001 nap NAP097743-001 nap NAP111698-1 nap NAP111801-1
Acin1	A_52_P434549	ref NM_023190 ref NM_001085473 ens ENSMUST00000111484 ens ENSMUST00000022793
Prkcz	A_52_P438084	ref NM_008860 ref NM_001039079 ens ENSMUST00000103178 ens ENSMUST00000030922
	A_52_P439001	nap NAP105953-1 tc TC1648248
Dydc2	A_52_P440034	ens ENSMUST00000022316 gb AK016963 riken 4933428D01 nap NAP100721-001
	A_52_P440729	ens ENSMUST00000066689 gb AK035245 gb AK011885 gb AK050961
Aen	A_52_P443705	ref NM_026531 ref NM_001162939 ens ENSMUST00000107421 ens ENSMUST00000107423
	A_52_P443904	nap NAP030482-1 nap NAP112557-1
Lmtk2	A_52_P445474	ref NM_001081109 ens ENSMUST00000041804 gb AK013633 gb AK129279
Abcf2	A_52_P445828	ref NM_013853 ens ENSMUST00000030795 gb AK151545 gb AK137233
5330426P16Rik	A_52_P456410	gb AK019912 gb AK151508 riken I830031B22 riken 5330426P16
Aph1b	A_52_P456750	ref NM_177583 ens ENSMUST00000034934 gb AK028521 gb AK154847
Cacna2d2	A_52_P457888	ref NM_020263 ens ENSMUST00000085092 ens ENSMUST00000010210 gb AF247139
Trerf1	A_52_P457967	ref NM_172622 ref NM_001097623 ens ENSMUST00000077951 gb AK190506
Ubr2	A_52_P459750	ref NM_146078 ens ENSMUST00000113335 ens ENSMUST00000113337 ens ENSMUST00000075833
Hspa12a	A_52_P460422	ref NM_175199 ens ENSMUST00000066285 gb BC030362 gb AB093239
Rassf3	A_52_P460703	ref NM_138956 ens ENSMUST00000026902 gb AK155495 gb BC011511
Tchh	A_52_P468068	ref NM_001163098 ens ENSMUST00000064257 gb AK132147 riken 3221403E08
Slpi	A_52_P472324	ref NM_011414 ens ENSMUST00000109367 gb AK010170 gb BC028509
Ahi1	A_52_P476602	ref NM_026203 ens ENSMUST00000105525 gb AK166144 gb AY133241
Amdhd2	A_52_P478460	gb AK078259 gb BX515297 riken 6430547H16 nap NAP089405-1
Cit	A_52_P479539	gb AK047894 riken C130020H05 nap NAP124820-1 tc TC1585600
Tra2a	A_52_P482063	gb AK076230 gb AK170599 gb CB58885 riken 422403J09
Cul2	A_52_P483544	ref NM_029402 ens ENSMUST00000115872 ens ENSMUST00000080089 ens ENSMUST00000025073
Tmem110	A_52_P488361	ref NM_028839 ens ENSMUST0000006701 gb AK009341 gb AK007740
Slc7a14	A_52_P493030	ref NM_172861 ens ENSMUST00000091259 gb BC061928 gb AK173217
Dtx3	A_52_P495453	ref NM_030714 ens ENSMUST00000038217 ens ENSMUST00000116230 ens ENSMUST00000116229
1700001O22Rik	A_52_P496403	ref NM_198000 ref NR_028487 ref NR_028486 ens ENSMUST00000050003
	A_52_P497503	nap NAP030187-1 nap NAP000014-003 nap NAP071006-1 nap NAP060807-1
Hist1h2ak	A_52_P498208	ref NM_178183 ens ENSMUST00000074752 gb BC119335 nap NAP111167-1
Rpgrip1	A_52_P507488	ref NM_023879 ref NM_001168515 ens ENSMUST00000111603 ens ENSMUST00000111600
Gm4968	A_52_P508103	ref XM_145024 ref XM_917764 ref XM_916654 ref XM_001480887
A430046D13Rik	A_52_P510062	gb AK038230 gb AK040027 riken A430046D13 riken A130088J11
Tbl3	A_52_P510771	ref NM_145396 ens ENSMUST00000046534 gb AK163228 gb AK149940
Slc35a5	A_52_P51198	ref NM_028756 ens ENSMUST00000023344 gb AK085567 gb AK030566
Ccnd2	A_52_P514391	ref NM_009829 gb BC049086 gb AK147345 gb BB680674
Ltk	A_52_P519783	ref NM_203345 ref NM_206942 ref NM_206941 ref NM_008523
	A_52_P520429	ens ENSMUST00000108923 ens ENSMUST00000108975 ens ENSMUST00000109011 ens ENSMUST00000109036
Ano8	A_52_P527931	ref NM_001164679 gb AK173222 gb BC059855 tc TC1774567
Pcdhb4	A_52_P529195	ref NM_053129 ens ENSMUST00000056712 gb AK036169 gb BC053098
Uchl3	A_52_P537050	ref NM_016723 ens ENSMUST00000066470 ens ENSMUST00000002289 gb AB033370
Fam120b	A_52_P537852	ref NM_024203 ens ENSMUST00000055352 gb BC066088 gb BC085163
	A_52_P539454	gb AK087958 riken E430001112 nap NAP077665-1 tc TC1625108
Crebl2	A_52_P541270	ref NM_177687 ens ENSMUST00000046303 ens ENSMUST00000111938 gb AK045467
	A_52_P542970	nap NAP071116-1 nap NAP018852-001
6720456H20Rik	A_52_P54325	ref NM_172600 ens ENSMUST00000111735 ens ENSMUST00000037990 gb BC046454
	A_52_P543430	nap NAP095541-001
Rpl30	A_52_P543471	gb CA786455 nap NAP101856-1 nap NAP068919-1
P2ry1	A_52_P547662	ref NM_008772 ens ENSMUST00000029331 gb AK036611 gb AK030759
Prdx2	A_52_P550034	ref NM_011563 ens ENSMUST00000005292 gb AK088280 gb AK008433
Myh2	A_52_P552036	ref NM_001039545 ens ENSMUST00000018641 ens ENSMUST00000018640 gb AJ002521
Itgb3	A_52_P553890	ref NM_016780 gb AK135584 riken 7030418D15 nap NAP034365-1
Sult4a1	A_52_P562676	ref NM_013873 gb AK032195 gb AK159034 gb AK046368
Cecr5	A_52_P565279	ref NM_144815 ens ENSMUST00000075303 gb BC014705 gb AK140387
	A_52_P568520	nap NAP071006-1 nap NAP060807-1

Supplementary Table 2
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	A_52_P571419	ens ENSMUST00000103426 gb AJ294737 gb V00823 gb X03690
Calb2	A_52_P571780	ref NM_007586 ens ENSMUST00000003754 gb AK032171 gb X73985
Agpat5	A_52_P572447	ref NM_026792 ens ENSMUST00000033847 gb AK206671 gb AY161042
Gm9387	A_52_P575668	ref XM_001003884 ref XM_982491 nap NAP097103-001
Cdh12	A_52_P575719	ref NM_001008420 ens ENSMUST00000075132 gb BC086655 nap NAP102703-1
EG547347	A_52_P57582	gb AB359227 nap NAP027924-1
Rps15a	A_52_P577019	ref NM_170669 ref XM_001472566 ref XM_001475850 ref XM_001478495
Vat1l	A_52_P577533	ref NM_173016 ens ENSMUST00000049509 gb AK122527 gb AK035009
5730403B10Rik	A_52_P578521	ref NM_025670 ens ENSMUST00000004173 ens ENSMUST00000117713 ens ENSMUST00000118703
Fam55c	A_52_P579411	ref NM_001134494 ens ENSMUST00000099705 gb BC150961 gb BC150969
Neu1	A_52_P58524	ref NM_010893 ens ENSMUST00000007253 gb BC004666 gb AK145680
E2f1	A_52_P587611	ref NM_007891 ens ENSMUST00000103145 ens ENSMUST00000109704 ens ENSMUST00000000894
2210015D19Rik	A_52_P588917	gb BC052911 gb BC094935 nap NAP037945-1 tc TC1599819
Gm6436	A_52_P589148	ref XM_001001941 ref XM_887972 ref XM_904186 nap NAP096448-001
Doc2a	A_52_P589391	ref NM_010069 ens ENSMUST00000064110 gb D50000 gb BC055768
Vars2	A_52_P590235	ref NM_175137 gb BC057036 gb AK173288 gb AK159301
Srxn1	A_52_P593200	ref NM_029688 ens ENSMUST00000041500 ens ENSMUST000000099225 gb AK007296
Mrpl47	A_52_P595537	gb BC029173 tc TC1638364
	A_52_P596357	gb AK054546 riken E330039N10 tc TC1613381
1190007I07Rik	A_52_P598634	ref NM_001135567 ref NM_001135568 ref NM_001135569 ens ENSMUST00000079648
D14Etd436e	A_52_P599055	ref NM_172599 ens ENSMUST00000042988 gb AK029967 gb AK173037
Zfp39	A_52_P600535	ref NM_011758 ens ENSMUST00000102703 gb AK141135 gb BC011182
	A_52_P600750	nap NAP056541-1
	A_52_P603540	ref NM_001024712 ref NM_175393 ref NM_001029930 ref NM_001164727
Srx32	A_52_P608132	ref NM_001024560 ens ENSMUST00000070172 gb AK047234 gb BC048922
Spsb3	A_52_P613418	ref NM_027141 ref NM_001163750 ref NM_001163751 ens ENSMUST000000024976
Kctd5	A_52_P61758	ref NM_027008 ens ENSMUST00000017090 gb AK011637 gb AK143644
	A_52_P622197	nap NAP029477-1 nap NAP058810-1
	A_52_P625007	nap NAP114347-1 tc TC1716094
Ggt7	A_52_P628580	ref NM_144786 ens ENSMUST000000029131 gb AK032051 gb AK131175
Zfp811	A_52_P632601	ref NM_183177 ens ENSMUST00000080905 gb BC052046 nap NAP060328-1
Gm129	A_52_P63343	ref NM_001033302 ens ENSMUST000000036418 gb AK156084 gb AK164001
Bat1a	A_52_P635776	ref NM_019693 ens ENSMUST00000093645 ens ENSMUST000000068056 gb AK194985
March6	A_52_P636394	ref NM_172606 ens ENSMUST00000090227 ens ENSMUST000000043840 gb AK028353
LOC636687	A_52_P640152	ref XM_912173 gb AK035187 gb AK164389 riken 9430097L19
Stam	A_52_P640204	ref NM_011484 ens ENSMUST00000028050 ens ENSMUST00000102960 ens ENSMUST00000114738
Cul9	A_52_P644210	gb AK019026 gb AK039107 gb BC026469 riken 1810035107
Strap	A_52_P650379	ref NM_011499 ens ENSMUST00000064910 gb AK147179 gb AK154158
Hist1h2ai	A_52_P651235	ref NM_178182 ref NM_175659 ref NM_178184 ref NM_178185
Rpl21	A_52_P653937	ref NM_019647 gb AK018480 riken 8430440E03 nap NAP093633-001
Atf7ip	A_52_P653966	ref NM_019426 ens ENSMUST00000032335 gb AK132359 gb BC060246
Snhg3	A_52_P661071	ref NR_003270 gb AJ006837 gb AK076188 gb BC100513
Zfp472	A_52_P664619	ref NM_153063 ens ENSMUST00000039132 gb AB010338 gb AY195875
Stoml1	A_52_P673391	ref NM_026942 ref NR_028146 ens ENSMUST00000034883 gb AK215980
	A_52_P675887	nap NAP071783-1 nap NAP057944-1 nap NAP059332-1
Rnaseh2a	A_52_P676108	ref NM_027187 ref XM_907834 ens ENSMUST00000109738 ens ENSMUST00000109736
Sc5d	A_52_P67637	gb AK080673 gb AK050439 riken C730048E03 riken A830073K23
4930471M23Rik	A_52_P679205	ref NM_175675 gb AK049408 gb AK159707 gb AK051359
C77080	A_52_P68175	ref NM_001033189 ens ENSMUST00000052602 ens ENSMUST00000106051 ens ENSMUST00000097873
Cdh11	A_52_P683146	ref NM_009866 ref NR_028428 ref NR_030708 ens ENSMUST00000075190
Atg4c	A_52_P683728	ref NM_175029 ref NM_001145967 ref XM_001471854 ens ENSMUST00000030279
	A_52_P690871	gb AK047616 riken C030002C18 tc TC1611515
1500016L03Rik	A_52_P698715	gb AK018772 riken 1500016L03 nap NAP090311-1 tc TC1654880
Gm88	A_52_P734742	ref NM_001111142 ref XM_001478757 ens ENSMUST00000095262 gb AK134769
Fam78a	A_52_P73475	ref NM_175511 ens ENSMUST00000056406 gb AK079514 gb AK077626
Pabpn1	A_52_P743305	ref NM_019402 gb AK137240 gb BG806432 riken 9530063N22
	A_52_P74524	ens ENSMUST00000070897 gb AK038227 riken A130088E03 nap NAP124631-1
	A_52_P755474	ens ENSMUST00000110766 gb AK045015 riken B130019G13 nap NAP083006-1
Gm5978	A_52_P76196	ref XM_902301 ref XM_923508 ens ENSMUST00000071458 nap NAP000014-005
Msi2	A_52_P780821	ref NM_054043 ens ENSMUST00000092794 ens ENSMUST00000107909 gb AK136156
Nbas	A_52_P80567	ref NM_027706 ens ENSMUST00000042953 gb BC057020 gb AK077100
	A_52_P810881	gb AK033971 riken 9330131A14 nap NAP078190-1
	A_52_P819356	gb AK041684 gb AK163115 riken A630029O19 riken A730007E20
Wipf2	A_52_P851971	ref NM_197940 gb AK087041 gb BB532123 riken E030022G12
	A_52_P875598	gb AK047419 riken B930059J09 nap NAP083699-1 tc TC1590414
Myh7	A_52_P88033	ref NM_080728 ref XM_976893 ens ENSMUST00000102803 gb AJ223362
	A_52_P883920	gb AK043458 riken A730097D08 nap NAP082551-1 tc TC1616648
Cdr2l	A_52_P891775	ref NM_001080929 ens ENSMUST00000053288 gb AK051090 riken D030068L24
	A_52_P917365	gb AV141866
	A_52_P923420	gb AK046981 riken B930009B17
Tcerg1l	A_52_P95294	ref NM_183289 nap NAP037629-1 tc TC1685221
5430440L12Rik	A_52_P962404	gb AK017417 riken 5430440L12 tc TC1601489
	A_52_P99082	nap NAP065150-1
	A_52_P997449	0

Supplementary Table 2
(Continued)

HP 15m		
Symbol	Agilent probe	Accessions
Vps33a	A_51_P102507	ref NM_029929 ens ENSMUST00000031388 gb AK140553 gb AK080345
Itpr3	A_51_P104897	ref NM_080553 ens ENSMUST00000049308 gb AK028491 gb AB182289
Lypd6b	A_51_P105068	ref NM_027990 ens ENSMUST00000028103 gb AK009282 riken 2310010M24
Ppp1r11	A_51_P105320	ref NM_029632 ens ENSMUST00000040402 gb AK005379 gb AK077455
4930555G01Rik	A_51_P107039	ref NM_175393 ref XM_001475922 ref XM_001477839 ref XM_891048
C3	A_51_P110301	ref NM_009778 ens ENSMUST00000024988 gb K02782 gb BC043338
Nudt19	A_51_P111952	ref NM_033080 ens ENSMUST00000040962 gb X04097 gb K03414
Naa30	A_51_P119031	ref NM_001081430 ens ENSMUST00000037362 gb AK044235 gb AK017805
Hars	A_51_P125368	ref NM_008214 ens ENSMUST00000001416 gb U39473 gb AK088824
Ubr2	A_51_P144575	ref NM_146078 ens ENSMUST00000113335 ens ENSMUST00000113337 ens ENSMUST00000075833
Cdkn1b	A_51_P146126	ref NM_009875 ens ENSMUST00000003115 gb AK169586 gb AK154276
Ttc5	A_51_P166325	ref NM_001080949 ref XM_001003884 ref XM_982491 ens ENSMUST00000006451
Rpp14	A_51_P167273	gb AK016631 riken 4933403E10 nap NAP006887-001
Cxcl12	A_51_P172502	ref NM_001012477 ref NM_013655 ens ENSMUST00000112871 ens ENSMUST00000073043
Pcdh21	A_51_P173114	ref NM_130878 ens ENSMUST00000022337 gb AK143151 gb AB093300
Actb	A_51_P173760	ref NM_007393 gb BC138614 gb BC138611 gb J04181
Cep250	A_51_P191087	ref NM_001129999 ref NM_001130000 ref NM_008383 ref NM_177217
Zfp330	A_51_P195625	ref NM_145600 ens ENSMUST00000034147 gb AK050534 gb AK037748
Zbtb12	A_51_P200610	ref NM_198886 ens ENSMUST00000052778 gb BC062159 gb BC020447
Stat3	A_51_P201480	ref NM_213659 ref NM_213660 ref NM_011486 ens ENSMUST00000092671
Gm14288	A_51_P206849	ref NM_001033123 ref XM_001004283 ref XM_001480623 ref XM_001004267
D14Ert449e	A_51_P222453	ref NM_025311 ref XM_001472492 ref XM_001472657 ref XM_001472510
Rpr1b	A_51_P229633	ref NM_027434 gb DQ372939 gb BC028819 gb AK152125
Dusp16	A_51_P242634	gb AF345951 gb AF345952 gb AF345953 gb AF345954
Ccdc80	A_51_P248786	ref NM_026439 ens ENSMUST00000099498 ens ENSMUST00000061050 gb AB075019
Pgam2	A_51_P264495	ref NM_018870 ens ENSMUST00000020768 gb AF029843 gb AK146703
2010012O05Rik	A_51_P267508	ref NM_025563 ens ENSMUST00000074912 gb AK008215 gb BC027506
Gm14410	A_51_P283292	ref NM_001113806 ref XM_902322 ref XM_001472314 ref XM_001472066
Arl16	A_51_P298716	gb BC009089 tc TC1627961 tc TC1584665
Slit3	A_51_P301809	ref NM_011412 ens ENSMUST00000069837 gb AF144629 gb BC150780
Sdc4	A_51_P323248	ref NM_011521 gb AK149784 gb AK145805 gb D89571
Fam71e1	A_51_P323531	ref NM_028169 ens ENSMUST00000107927 gb AK006229 gb BC100470
Gm14288	A_51_P324768	ref NM_001033123 ref XM_001480623 ref XM_001004283 ref XM_001004267
Cd47	A_51_P325651	gb AK164165 gb AK021021 riken B430305P08 riken C630029O17
Srxn1	A_51_P330125	ref NM_029688 ens ENSMUST00000041500 ens ENSMUST00000099225 gb AK007296
Ehmt2	A_51_P343016	ref NM_145830 ref NM_147151 ens ENSMUST00000114028 ens ENSMUST00000013931
	A_51_P343031	gb AK035359 riken 9530023M19 nap NAP014801-001 tc TC1603980
Agpat5	A_51_P361286	ref NM_026792 gb AK082137 gb AK036706 riken C230012M10
Itih5	A_51_P364250	ref NM_172471 ens ENSMUST00000026886 gb AK134707 gb AK140756
Itih3	A_51_P367100	ref NM_008407 ens ENSMUST00000006697 ens ENSMUST00000112141 gb X70393
Pttg1	A_51_P371190	ref NM_013917 ref NM_001131054 ens ENSMUST00000121638 ens ENSMUST00000020687
Zfp433	A_51_P372895	ref XM_984400 ref XM_924400 gb AK007242 gb BC064812
Sspn	A_51_P401659	ref NM_010656 ens ENSMUST00000111701 ens ENSMUST0000011702 ens ENSMUST00000032383
Gadd45gip1	A_51_P419086	ref NM_183358 gb AK003314 gb AK009723 gb AK028227
Thy1	A_51_P420731	ref NM_009382 ens ENSMUST00000114840 ens ENSMUST00000034509 gb BC054436
Nmnat3	A_51_P424739	ref NM_144533 ens ENSMUST00000112937 ens ENSMUST00000035031 ens ENSMUST00000112935
C4b	A_51_P428708	ref NM_009780 ref NM_011413 ref XM_972987 ref XM_973068
H2-T22	A_51_P432538	ref NM_010397 ref NM_010395 ref NM_010399 ref XM_001471650
Zfp871	A_51_P436447	ref NM_172458 ens ENSMUST00000057501 gb AK029041 gb BC043671
Wbp11	A_51_P448987	ref NM_021714 ens ENSMUST00000032340 ens ENSMUST00000116514 gb AK145917
1110036O03Rik	A_51_P450952	ens ENSMUST00000066489 ens ENSMUST00000107402 gb AK029271 riken 4832408F05
Cyp4f14	A_51_P452768	ref NM_022434 ens ENSMUST00000054174 gb AK005007 gb BC094016
Ring1	A_51_P455266	ref NM_009066 ens ENSMUST00000025183 gb Y12881 gb AK155509
Hspb8	A_51_P464387	ref NM_030704 ens ENSMUST00000036991 gb AK005052 gb BC011219
Hdhd3	A_51_P465582	ref NM_024257 ens ENSMUST00000037820 gb BC003491 gb AK013245
Nosip	A_51_P479177	ref NM_025533 ref NM_001163684 ens ENSMUST00000003513 ens ENSMUST00000107830
Nudt8	A_51_P490388	ref NM_025529 ens ENSMUST00000025802 gb AK045197 gb AK170076
C2	A_51_P497985	ref NM_013484 ens ENSMUST00000025230 gb AK146812 gb M57891
	A_51_P510914	ens ENSMUST00000109055 ens ENSMUST00000109011 gb AK013921 gb U62393
	A_51_P510916	ens ENSMUST00000109011 ens ENSMUST00000108980 ens ENSMUST00000119149 ens ENSMUST00000120959
Alad	A_51_P512072	ref NM_008525 ens ENSMUST00000107444 ens ENSMUST00000030090 gb AK168132
Rac1	A_51_P513254	ref NM_009007 gb AK193118 gb AK076023 gb AK081613
	A_52_P1035662	gb AK032159 riken 6430404D24
Skp1a	A_52_P10458	ref NM_011543 ens ENSMUST00000037324 ens ENSMUST00000109072 gb AK012498
	A_52_P1124330	gb AK082375 riken C230043A04 nap NAP084701-1 tc TC1628396
	A_52_P1133481	gb BF149456 tc TC1779913
Rtn4	A_52_P1180449	gb AK047982 riken C130026110
Gm10653	A_52_P138036	ref NR_003965 ref XM_001477193 ref XM_620258 ref XM_916251
Zyg11b	A_52_P14526	ref NM_001033634 gb AK034007 riken 9330140A08 nap NAP011487-001
Srr	A_52_P16571	ref NM_013761 ref NM_001163311 ens ENSMUST00000108447 ens ENSMUST00000121738
Aktip	A_52_P174313	ref NM_010241 ens ENSMUST00000109609 ens ENSMUST00000120426 ens ENSMUST00000120349
Fam92a	A_52_P190807	gb AK032690 riken 6530443I23 nap NAP075171-1 tc TC1603919

Supplementary Table 2
(Continued)

4930555G01Rik	A_52_P195235	reflNM_175393 reflXM_001475922 reflXM_001477839 reflXM_891048
Pop4	A_52_P206492	reflNM_025390 ens ENSMUST00000032585 gb AK003908 gb AK150459
Tmem88	A_52_P209484	reflNM_025915 ens ENSMUST00000050140 gb AK010789 gb AK011240
D830030K20Rik	A_52_P218930	reflNM_177135 reflXM_001475600 reflXM_001475847 reflXM_001477400
Map3k6	A_52_P222775	reflNM_016693 ens ENSMUST00000030677 gb BC125577 gb BC120565
Limch1	A_52_P229278	reflNM_001001980 ens ENSMUST00000119854 ens ENSMUST00000118242 ens ENSMUST00000117601
	A_52_P232346	nap NAP103909-1 tc TC1708996
Stk19	A_52_P254607	reflNM_019442 ens ENSMUST00000077477 gb AK146739 gb AK168865
9830001H06Rik	A_52_P257919	reflNM_001164663 ens ENSMUST00000069098 gb AK031493 gb AK147227
Cml5	A_52_P2710	reflNM_023493 ens ENSMUST00000032074 gb AK007530 gb AF187099
Rbm39	A_52_P275324	gb AK050568 riken C820020J16 nap NAP103928-1 tc TC1631661
Daglb	A_52_P277394	gb AK081509 riken C130025A20 nap NAP121638-001 tc TC1623592
Rps2	A_52_P277592	reflNM_008503 reflXM_917948 reflXM_620258 reflXM_001479285
H2afj	A_52_P286488	reflNM_177688 gb AK053755 gb AW490391 riken E130307C13
Ube2i	A_52_P297731	reflNM_011665 reflXM_620954 ens ENSMUST00000049911 gb AK004248
Hcfc2	A_52_P32683	gb AK040565 riken A430106M23 nap NAP002335-001 tc TC1597970
Wdfy1	A_52_P328825	reflNM_001111279 ens ENSMUST00000097685 ens ENSMUST00000113512 ens ENSMUST00000113513
	A_52_P341708	gb AK081879 gb AK007507 gb BY707561 gb BI736050
Kcnb1	A_52_P350554	reflNM_008420 ens ENSMUST00000059826 gb BC031776 gb BC061501
Ssr1	A_52_P36344	reflNM_025965 reflXM_911969 gb A1428996 nap NAP045617-1
Hspa13	A_52_P376804	reflNM_030201 reflNR_027492 ens ENSMUST00000114244 ens ENSMUST00000046283
Ap1s3	A_52_P377576	ens ENSMUST00000067229 gb BC054111 gb BE371703 tc TC1582600
Tia1	A_52_P381009	gb AK009502 gb AK009914 riken 2310026D05 riken 2310050N03
Nat5	A_52_P38317	gb AK046153 riken B230345H17 tc TC1767749 tc TC1629707
Gm2974	A_52_P386075	ens ENSMUST00000096159 ens ENSMUST00000090647 gb AK084071 gb AK080783
Lyrn7	A_52_P387189	gb AK079070 gb BB077939 riken 9330147L21 nap NAP117265-1
Sox2ot	A_52_P389324	reflNR_015580 gb AK045614 gb AK031826 gb BC057611
Kbtbd11	A_52_P394448	reflNM_029116 reflXM_001474596 reflXM_001474229 ens ENSMUST00000058886
Golga7	A_52_P398018	gb AK089856 gb BC064083 riken F830033L24 nap NAP072825-1
Txn14a	A_52_P407145	reflNM_025299 gb AK004039 gb AK148287 gb AK166497
Lrrtm4	A_52_P424206	gb AK032470 gb BC037216 riken 6430558H08 nap NAP1116396-1
LOC547150	A_52_P426634	reflNR_030708 gb BC086760 gb AK081322 gb AK134636
Slc15a2	A_52_P426605	gb AK018393 gb BC051199 gb BC018335 riken 8430408C16
Dcun1d1	A_52_P430934	reflNM_033623 reflXM_001476879 ens ENSMUST00000121632 ens ENSMUST00000099528
	A_52_P433450	nap NAP097631-001 nap NAP097743-001 nap NAP111698-1 nap NAP111801-1
Etnk1	A_52_P446011	reflNM_029250 ens ENSMUST00000032413 gb AK044502 gb AK049827
Aph1b	A_52_P456750	reflNM_177583 ens ENSMUST00000034934 gb AK028521 gb AK154847
Hspa12a	A_52_P460422	reflNM_175199 ens ENSMUST00000066285 gb BC030362 gb AB093239
Tchh	A_52_P468068	reflNM_001163098 ens ENSMUST00000064257 gb AK132147 riken 3221403E08
Tra2a	A_52_P482063	gb AK076230 gb AK170599 gb CB588885 riken 4222403J09
Hist1h2ak	A_52_P498208	reflNM_178183 ens ENSMUST00000074752 gb BC119335 nap NAP111167-1
Gm4968	A_52_P508103	reflXM_145024 reflXM_917764 reflXM_916654 reflXM_001480887
Slc35a5	A_52_P51198	reflNM_028756 ens ENSMUST00000023344 gb AK085567 gb AK030566
	A_52_P520429	ens ENSMUST00000108923 ens ENSMUST00000108975 ens ENSMUST00000109011 ens ENSMUST00000109036
6720456H20Rik	A_52_P54325	reflNM_172600 ens ENSMUST00000111735 ens ENSMUST00000037990 gb BC046454
Neu1	A_52_P58524	reflNM_010893 ens ENSMUST00000007253 gb BC004666 gb AK145680
2210015D19Rik	A_52_P588917	gb BC052911 gb BC094935 nap NAP037945-1 tc TC1599819
Gm6436	A_52_P589148	reflXM_001001941 reflXM_887972 reflXM_904186 nap NAP096448-001
Srxn1	A_52_P593200	reflNM_029688 ens ENSMUST00000041500 ens ENSMUST00000099225 gb AK007296
Mrpl47	A_52_P595537	gb BC029173 tc TC1638364
	A_52_P596357	gb AK054546 riken E330039N10 tc TC1613381
1190007I07Rik	A_52_P598634	reflNM_001135567 reflNM_001135568 reflNM_001135569 ens ENSMUST00000079648
Zfp39	A_52_P600535	reflNM_011758 ens ENSMUST00000102703 gb AK141135 gb BC011182
Kctd5	A_52_P61758	reflNM_027008 ens ENSMUST00000017090 gb AK011637 gb AK143644
	A_52_P622197	nap NAP029477-1 nap NAP058810-1
Zfp811	A_52_P632601	reflNM_183177 ens ENSMUST00000080905 gb BC052046 nap NAP060328-1
Stam	A_52_P640204	reflNM_011484 ens ENSMUST00000028050 ens ENSMUST00000102960 ens ENSMUST00000114738
Sec24a	A_52_P6451	reflNM_175255 ens ENSMUST00000109094 ens ENSMUST00000109097 gb AK090341
Hist1h2ai	A_52_P651235	reflNM_178182 reflNM_175659 reflNM_178184 reflNM_178185
Rpl21	A_52_P653937	reflNM_019647 gb AK018480 riken 8430440E03 nap NAP093633-001
Pisd-ps3	A_52_P654624	reflNR_003518 reflNR_003517 reflXM_001474127 reflXM_001476056
Snhg3	A_52_P661071	reflNR_003270 gb AJ006837 gb AK076188 gb BC100513
	A_52_P675887	nap NAP071783-1 nap NAP057944-1 nap NAP059332-1
Atg4c	A_52_P683728	reflNM_175029 reflNM_001145967 reflXM_001471854 ens ENSMUST00000030279
4930539J05Rik	A_52_P684920	gb AK053308 gb AK050124 gb AK052426 riken C730018K14
Gm88	A_52_P734742	reflNM_001111142 reflXM_001478757 ens ENSMUST00000095262 gb AK134769
	A_52_P755474	ens ENSMUST00000110766 gb AK045015 riken B130019G13 nap NAP083006-1
	A_52_P883920	gb AK043458 riken A730097D08 nap NAP082551-1 tc TC1616648
	A_52_P997449	0

Supplementary Table 3

Table from [1]. Differentially modulated pathways were selected from the Panther Pathway database (<http://www.pantherdb.org/tools/genexAnalysis.jsp>) using the Wilcoxon Rank-Sum Test (p -value < 0.05) on two-columns tables including a list of differentially expressed genes and the related fold change values. The analyzed gene lists were obtained by applying the one-way ANOVA (p -value < 0.05) on microarray expression data in hippocampus, basal forebrain and cortex at P30 and P90 (1 and 3 months of age)

HIPPOCAMPUS							
P30				P90			
Pathway	number	overUnder	pvalue	Pathway	number	overUnder	pvalue
Insulin/IGF pathway-mitogen activated protein kinase kinase/MAP kinase cascade	10	-	1.39E-03	Integrin signalling pathway	16	-	2.41E-02
Histamine H1 receptor mediated signaling pathway	4	+	5.38E-03	Cadherin signaling pathway	9	-	3.30E-02
Muscarinic acetylcholine receptor 1 and 3 signaling pathway	10	+	6.72E-03	Heme biosynthesis	2	-	3.63E-02
Ras Pathway	16	-	1.63E-02				
Heterotrimeric G-protein signaling pathway-Gi alpha and Gs alpha mediated pathway	20	+	2.09E-02				
D1/D5 dopamine receptor mediated signaling pathway	6	+	2.36E-02				
5HT2 type receptor mediated signaling pathway	6	+	2.42E-02				
Angiogenesis	27	-	3.03E-02				
PI3 kinase pathway	19	-	3.15E-02				
Heterotrimeric G-protein signaling pathway-Gq alpha and Go alpha mediated pathway	21	+	3.30E-02				
Alpha adrenergic receptor signaling pathway	5	+	4.42E-02				
EGF receptor signaling pathway	21	-	4.92E-02				
Heterotrimeric G-protein signaling pathway-rod outer segment phototransduction	3	+	4.97E-02				

BASAL FOREBRAIN							
P30				P90			
Pathway	number	overUnder	pvalue	Pathway	number	overUnder	pvalue
Metabotropic glutamate receptor group I pathway	3	-	1.26E-02	Alpha adrenergic receptor signaling pathway	9	-	9.96E-04
Cytoskeletal regulation by Rho GTPase	8	+	2.84E-02	T cell activation	21	-	1.41E-03
Heterotrimeric G-protein signaling pathway-rod outer segment phototransduction	6	+	4.99E-02	Heterotrimeric G-protein signaling pathway-Gq alpha and Go alpha mediated pathway	34	-	1.46E-03
				Wnt signaling pathway	62	-	1.58E-03
				B cell activation	15	-	1.58E-03
				Alzheimer disease-amyloid secretase pathway	22	-	3.23E-03
				Metabotropic glutamate receptor group I pathway	9	-	5.42E-03
				VEGF signaling pathway	16	-	5.98E-03
				PI3 kinase pathway	16	-	6.34E-03
				PDGF signaling pathway	45	-	6.74E-03
				Histamine H2 receptor mediated signaling pathway	6	+	7.21E-03
				FGF signaling pathway	26	-	8.88E-03
				p38 MAPK pathway	9	-	1.75E-02
				Angiogenesis	52	-	1.75E-02
				GABA-B_receptor_IL_signaling	12	-	1.89E-02
				Cadherin signaling pathway	22	-	2.03E-02
				Circadian clock system	8	-	2.06E-02
				Cell cycle	4	-	2.39E-02
				Enkephalin release	9	+	3.80E-02
				5-Hydroxytryptamine degradation	6	+	3.86E-02
				Muscarinic acetylcholine receptor 1 and 3 signaling pathway	16	-	3.90E-02
				Endogenous_cannabinoid_signaling	7	-	4.08E-02
				5HT4 type receptor mediated signaling pathway	8	+	4.73E-02
				Beta3 adrenergic receptor signaling pathway	6	+	4.73E-02

Supplementary Table 3
(Continued)

CORTEX							
P30				P90			
Pathway	number	overUnder	pvalue	Pathway	number	overUnder	pvalue
Cadherin signaling pathway	15	-	1.18E-03	Wnt signaling pathway	97	-	2.72E-03
Integrin signalling pathway	25	-	1.15E-02	Cadherin signaling pathway	42	-	2.92E-03
Circadian clock system	4	-	1.23E-02	p38 MAPK pathway	16	-	5.47E-03
5-arachidonylglycerol_biosynthesis	2	+	2.42E-02	Insulin/IGF pathway-protein kinase B signaling cascade	25	+	7.88E-03
Interleukin signaling pathway	15	-	3.48E-02	Blood coagulation	11	+	2.62E-02
Blood coagulation	3	-	4.73E-02	Heme biosynthesis	4	-	3.71E-02
Toll receptor signaling pathway	8	-	4.86E-02	Parkinson disease	32	-	4.67E-02

REFERENCE

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