

Probe ID	GeneSymbol	GeneName	log2FC	FC	P-value	Adj p-value	PrimaryAcces	RefSeqAcces	GenbankAcces	UniProtGeneID	EntrezGeneID	EnsemblID
A_55_P2459897	<b>A2m</b>	alpha-2-macroglobulin	1.05	2.07	2.22E-06	1.50E-04	NM_175628	NM_175628	NM_175628	Mm.30151	232345	ENSMUST0000032203
A_55_P2502056	<b>A3gal2</b>	alpha-1,3-galactosyltransferase 2 (isoglobotriaoisylcaramide synthase)	0.85	1.80	2.13E-05	5.72E-04	NM_001009811	NM_001009811	NM_001009811	Mm.30090	215493	ENSMUST0000030585
A_51_P453043	<b>Aacs</b>	acetoacetyl-CoA synthetase	0.83	1.77	2.46E-06	1.59E-04	NM_030210	NM_030210	NM_030210	Mm.431573	78894	ENSMUST0000031445
A_55_P2015495	<b>Abat</b>	4-aminobutyl aminotransferase	0.82	1.77	1.37E-05	4.41E-04	NM_172961	NM_172961	NM_172961	Mm.259315	268680	ENSMUST0000065987
A_52_P665675	<b>Abca1</b>	ATP-binding cassette, sub-family A (ABC1), member 1	1.15	2.22	1.53E-05	4.70E-04	NM_013454	NM_013454	NM_013454	Mm.273736	11303	ENSMUST0000030010
A_52_P519653	<b>Abca5</b>	ATP-binding cassette, sub-family A (ABC1), member 5	1.28	2.44	8.35E-07	9.30E-05	NM_147219	NM_147219	NM_147219	Mm.41942	217265	ENSMUST0000043961
A_51_P363556	<b>Abi2</b>	abi-interactor 2	0.95	1.94	2.05E-05	5.59E-04	NM_198127	NM_198127	NM_198127	Mm.212066	329165	ENSMUST0000052332
A_51_P165196	<b>Abi2b</b>	ankyrin repeat and BTB (POZ) domain containing 2	1.00	2.00	1.48E-05	4.62E-04	NM_178890	NM_178890	NM_178890	Mm.35850	99382	ENSMUST0000076212
A_55_P2082914	<b>Acly</b>	ATP citrate lyase	1.30	2.46	1.28E-06	1.12E-04	NM_134037	NM_134037	NM_134037	Mm.222039	104112	ENSMUST0000107385
A_55_P2096043	<b>Acot11</b>	acyl-CoA thioesterase 11	0.82	1.76	3.81E-05	8.05E-04	NM_025590	NM_025590	NM_025590	Mm.282956	329910	ENSMUST0000020262
A_51_P414305	<b>Acot12</b>	acyl-CoA thioesterase 12	1.06	2.08	1.23E-05	4.11E-04	NM_028790	NM_028790	NM_028790	Mm.275963	74156	ENSMUST0000020212
A_55_P2186615	<b>Acp1</b>	acid phosphatase 1, soluble	0.95	1.93	1.07E-05	3.81E-04	NM_00111023	NM_00111023	NM_00111023	Mm.359831	11431	ENSMUST0000062740
A_52_P496956	<b>Acsbg1</b>	acyl-CoA synthetase bubblemium family member 1	0.90	1.87	1.16E-05	3.98E-04	NM_053178	NM_053178	NM_053178	Mm.20692	91480	ENSMUST0000034822
A_55_P1985984	<b>Actg1</b>	actin, gamma, cytoplasmic	0.90	1.87	2.88E-05	6.77E-04	NM_009609	NM_009609	NM_009609	Mm.426706	14165	ENSMUST0000031103
A_51_P347862	<b>Actn1</b>	actinin, alpha 1	1.84	3.59	1.39E-07	4.10E-05	NM_134156	NM_134156	NM_134156	Mm.253564	109711	ENSMUST0000163732
A_51_P108266	<b>Actn2</b>	actinin, alpha 2	2.42	5.35	7.82E-09	9.66E-06	NM_033268	NM_033268	NM_033268	Mm.37638	114721	ENSMUST0000168193
A_51_P394788	<b>Actn4</b>	actinin, alpha 4	1.80	3.49	4.32E-08	2.20E-05	NM_021895	NM_021895	NM_021895	Mm.81144	60595	ENSMUST0000060840
A_51_P378825	<b>Actr8</b>	ARP8 actin-related protein 8	0.54	1.45	1.39E-04	1.88E-03	NM_027493	NM_027493	NM_027493	Mm.215110	56249	ENSMUST0000016115
A_55_P2025760	<b>Adam9</b>	a disintegrin and metalloproteinase domain 9 (meltrin gamma)	0.92	1.89	6.46E-05	1.14E-03	NM_00127099	NM_00127099	NM_00127099	Mm.28908	11502	ENSMUST0000084032
A_52_P489256	<b>Adamt1</b>	disintegrin-like metalloproteinase with thrombospondin type 1 r	1.01	2.01	3.65E-06	2.03E-04	NM_009621	NM_009621	NM_009621	Mm.1421	11504	ENSMUST0000023610
A_52_P233305	<b>Adamt12</b>	a disintegrin-like and metalloproteinase (reprolysin type) with t	0.64	1.56	5.72E-05	1.05E-03	NM_175501	NM_175501	NM_175501	Mm.482727	239337	ENSMUST00000661318
A_51_P311038	<b>Adamt15</b>	a disintegrin-like and metalloproteinase (reprolysin type) with t	0.88	1.84	3.83E-05	1.34E-03	NM_00102413	NM_00102413	NM_00102413	Mm.65867	235130	ENSMUST00000661318
A_66_P124114	<b>Adamt17</b>	disintegrin-like metalloproteinase with thrombospondin type 1 r	1.13	2.20	1.16E-06	1.08E-04	NM_00103387	NM_00103387	NM_00103387	Mm.445763	233332	ENSMUST0000148538
A_55_P1955778	<b>Adamt4</b>	disintegrin-like metalloproteinase with thrombospondin type 1 r	1.22	3.30	5.71E-07	7.87E-05	NM_172845	NM_172845	NM_172845	Mm.23156	240913	ENSMUST0000066570
A_52_P3183181	<b>Adar</b>	adenosine deaminase, RNA-specific	0.70	1.63	1.05E-04	1.56E-03	NM_00103858	NM_00103858	NM_00103858	Mm.316228	56417	ENSMUST0000107405
A_55_P2106645	<b>Adcy5</b>	adenylyl cyclase 5	0.72	1.64	2.73E-05	6.61E-04	NM_00101276	NM_00101276	NM_00101276	Mm.41137	224129	ENSMUST0000011943
A_55_P1990336	<b>Add1</b>	adducin 1 (alpha)	0.75	1.69	1.47E-04	1.95E-03	NM_00102444	NM_00102444	NM_00102444	Mm.289106	11518	ENSMUST0000114338
A_55_P1988623	<b>Add3</b>	adducin 3 (gamma)	1.26	2.39	4.56E-07	7.05E-05	NM_00116409	NM_00116409	NM_00116409	Mm.26808	27360	ENSMUST0000011741
A_66_P105307	<b>Adnp</b>	activity-dependent neuroprotective protein	1.42	2.67	1.68E-05	4.96E-04	NM_009628	NM_009628	NM_009628	Mm.201322	11538	ENSMUST0000057793
A_52_P179583	<b>Adnp2</b>	ADNP homeobox 2	0.71	1.64	1.71E-05	5.01E-04	NM_175028	NM_175028	NM_175028	Mm.26594	240442	ENSMUST0000066743
A_55_P2046938	<b>Adpgk</b>	ADP-dependent glucokinase	0.83	1.78	1.33E-04	1.83E-03	NM_028121	NM_028121	NM_028121	Mm.22456	72141	ENSMUST0000026266
A_52_P424778	<b>Adra1a</b>	adrenergic receptor, alpha 1A	1.17	2.25	1.82E-05	5.20E-04	NM_013461	NM_013461	NM_013461	Mm.57064	11550	ENSMUST0000054661
A_55_P2019954	<b>Adrad1</b>	adrenergic receptor, alpha 1d	1.08	2.12	9.53E-07	9.82E-05	NM_013460	NM_013460	NM_013460	Mm.398930	11549	0
A_51_P296887	<b>Adsl</b>	adenosylsuccinate lyase	0.79	1.73	3.07E-05	7.09E-04	NM_009634	NM_009634	NM_009634	Mm.38151	11564	ENSMUST0000166711
A_52_P206613	<b>Adss</b>	adenosylsuccinate synthetase, non muscle	0.80	1.74	4.49E-05	8.99E-04	NM_007422	NM_007422	NM_007422	Mm.338021	11566	ENSMUST00000159184
A_55_P2030030	<b>Adssl1</b>	adenosylsuccinate synthetase like 1	0.49	1.40	1.27E-04	1.78E-03	NM_007421	NM_007421	NM_007421	Mm.3440	11565	ENSMUST0000180015
A_51_P183283	<b>Af2</b>	AF4/FMR2 family, member 2	1.77	3.41	3.27E-07	6.07E-05	NM_008032	NM_008032	NM_008032	Mm.466576	14266	ENSMUST0000033532
A_51_P486121	<b>Af3</b>	AF4/FMR2 family, member 3	1.16	2.24	3.11E-06	1.84E-04	NM_010678	NM_010678	NM_010678	Mm.336679	16764	ENSMUST0000030927
A_52_P551743	<b>Af4</b>	AF4/FMR2 family, member 4	0.99	1.99	7.64E-05	1.26E-03	NM_033565	NM_033565	NM_033565	Mm.395281	93736	ENSMUST0000069845
A_51_P19544	<b>Aga</b>	aspartylglucosaminidase	1.14	2.20	9.54E-06	3.58E-04	NM_00100584	NM_00100584	NM_00100584	Mm.334535	11593	ENSMUST0000033920
A_55_P2427685	<b>Ag1</b>	amylol-1,6-galactosidase, 4-alpha-glucanotransferase	0.88	1.83	5.90E-05	1.07E-03	NM_00108132	NM_00108132	NM_00108132	Mm.237099	77559	ENSMUST0000062792
A_55_P2009127	<b>Agm1</b>	agrin	1.25	2.38	9.04E-05	1.42E-03	NM_021604	NM_021604	NM_021604	Mm.273098	11603	ENSMUST0000071248
A_51_P118763	<b>Ahctf1</b>	AT hook containing transcription factor 1	0.76	1.70	5.14E-05	9.82E-04	NM_026375	NM_026375	NM_026375	Mm.128165	262747	ENSMUST00000151734
A_51_P206268	<b>Ahcy1</b>	S-adenosylhomocysteine hydrolase-like 1	0.78	1.72	3.11E-05	7.11E-04	NM_145542	NM_145542	NM_145542	Mm.220328	229709	ENSMUST0000029490
A_52_P162509	<b>Ahcy2</b>	S-adenosylhomocysteine hydrolase-like 2	1.01	2.01	4.89E-05	9.52E-04	NM_021414	NM_021414	NM_021414	Mm.210899	74340	ENSMUST0000011304
A_52_P263095	<b>Ahnak</b>	AHNAK neuroprotein (desmoyokin)	0.92	1.89	1.48E-04	1.96E-03	NM_009643	NM_009643	NM_009643	Mm.203866	66395	ENSMUST0000092956
A_65_P06603	<b>Ahr</b>	aryl-hydrocarbon receptor	0.80	1.74	1.08E-04	1.59E-03	NM_013464	NM_013464	NM_013464	Mm.341377	11622	ENSMUST0000011636
A_52_P517289	<b>Akap1</b>	A kinase (PRKA) anchor protein 1	0.99	1.99	6.98E-05	1.19E-03	NM_00104254	NM_00104254	NM_00104254	Mm.2969	11640	ENSMUST0000153787
A_52_P244964	<b>Akap11</b>	A kinase (PRKA) anchor protein 11	1.24	2.49	1.63E-07	4.35E-05	NM_00116450	NM_00116450	NM_00116450	Mm.89413	219181	ENSMUST0000022593
A_55_P2099810	<b>Akap12</b>	A kinase (PRKA) anchor protein (gravin) 12	1.28	2.42	1.68E-07	4.37E-05	NM_031185	NM_031185	NM_031185	Mm.27481	83397	ENSMUST0000045730
A_55_P2444515	<b>Akap2</b>	A kinase (PRKA) anchor protein 2	1.44	2.20	7.45E-06	3.10E-04	NM_00103553	NM_00103553	NM_00103553	Mm.467752	11641	ENSMUST0000098066
A_55_P2350032	<b>Akap6</b>	A kinase (PRKA) anchor protein 6	1.71	3.26	1.38E-08	1.33E-05	NM_198111	NM_198111	NM_198111	Mm.310822	238161	ENSMUST0000095737
A_66_P106716	<b>Akap8</b>	A kinase (PRKA) anchor protein 8	0.77	1.71	5.99E-05	1.08E-03	NM_019774	NM_019774	NM_019774	Mm.356393	56399	ENSMUST0000020699
A_55_P2060369	<b>Akap9</b>	A kinase (PRKA) anchor protein (ytjooa) 9	1.07	2.09	2.24E-05	5.90E-04	NM_194462	NM_194462	NM_194462	Mm.46044	100986	ENSMUST0000044492
A_55_P2083649	<b>Alas1</b>	aminolevulinic acid synthase 1	1.35	2.55	1.54E-07	4.22E-05	NM_020559	NM_020559	NM_020559	Mm.290578	11655	ENSMUST0000134053
A_51_P359272	<b>Alcam</b>	activated leukocyte cell adhesion molecule	1.14	2.20	1.17E-05	4.00E-04	NM_009655	NM_009655	NM_009655	Mm.288282	11688	ENSMUST0000164888
A_65_P19286	<b>Alg10b</b>	asparagine-linked glycosylation 10B (alpha-1,2-glucosyltransf	0.92	1.90	2.35E-05	6.03E-04	NM_00103344	NM_00103344	NM_00103344	Mm.17853	380959	ENSMUST0000100309
A_52_P93902	<b>Alg5</b>	asparagine-linked glycosylation 5 (dolichyl-phosphate beta-gl	0.81	1.75	1.73E-05	5.04E-04	NM_025442	NM_025442	NM_025442	Mm.144218	66248	ENSMUST0000044567
A_55_P2007663	<b>Alkbh8</b>	alkB, alkylation repair homolog 8 (E. coli)	0.75	1.69	3.09E-05	7.10E-04	NM_026303	NM_026303	NM_026303	Mm.116968	67667	ENSMUST0000165105
A_55_P2454521	<b>Alms1</b>	Alstrom syndrome 1	0.69	1.62	3.51E-05	7.66E-04	NM_145223	NM_145223	NM_145223	Mm.246967	236266	ENSMUST0000072018
A_51_P247249	<b>Alox5</b>	arachidonate 5-lipoxygenase	0.86	1.81	4.39E-06	2.24E-04	NM_009662	NM_009662	NM_009662	Mm.41072	11689	ENSMUST0000016925
A_52_P336585	<b>Als2</b>	amyotrophic lateral sclerosis 2 (juvenile)	0.90	1.86	6.34E-05	1.12E-03	NM_028717	NM_028717	NM_028717	Mm.272078	74018	ENSMUST0000159166
A_55_P2168431	<b>Amer1</b>	APC membrane recruitment 1	1.26	2.39	2.52E-06	1.61E-04	NM_175179	NM_175179	NM_175179	Mm.182867	72345	ENSMUST0000084535
A_55_P2046509	<b>Amot</b>	angiostatin	2.35	5.09	1.81E-08	1.50E-05	NM_153319	NM_153319	NM_153319	Mm.100068	27494	ENSMUST00000112835
A_55_P2244112	<b>Amotl1</b>	angiostatin-like 1	0.67	1.83	8.16E-05	1.32E-03	NM_00108136	NM_00108136	NM_00108136	Mm.159552	57323	ENSMUST0000160770
A_51_P348804												

A_52_P302463	<b>Ar15a</b>	ADP-ribosylation factor-like 5A	0.95	1.94	1.06E-05	3.81E-04	NM_182994	NM_182994	NM_182994	Mm.314378	75423	ENSMUST0000036541
A_51_P301964	<b>Ar16p1</b>	ADP-ribosylation factor-like 6 interacting protein 1	0.77	1.71	3.79E-05	8.02E-04	NM_019419	NM_019419	NM_019419	Mm.29924	54208	ENSMUST0000032888
A_55_P2120469	<b>Armc2</b>	armadillo repeat containing 2	0.61	1.53	5.81E-05	1.06E-03	NM_0010348E	NM_0010348E	NM_0010348E	Mm.211320	213402	ENSMUST00000160262
A_52_P215418	<b>Armc9</b>	armadillo repeat containing 9	0.71	1.64	4.46E-05	8.96E-04	NM_027456	NM_027456	NM_027456	Mm.379264	87895	ENSMUST00000156168
A_51_P346641	<b>Armcx4</b>	armadillo repeat containing 4	1.46	2.75	2.63E-05	6.47E-04	NM_0012025C	NM_0012025C	NM_0012025C	Mm.31961	100503043	0
A_51_P191586	<b>Arpc4</b>	actin related protein 2/3 complex, subunit 1A	0.58	1.49	1.36E-04	1.85E-03	NM_019767	NM_019767	NM_019767	Mm.371610	56443	ENSMUST00000142276
A_55_P2057587	<b>Arx</b>	aristales related homeobox	0.88	1.84	4.27E-05	8.69E-04	NM_007492	NM_007492	NM_007492	Mm.275547	11878	ENSMUST00000046565
A_55_P1964154	<b>Asah1</b>	N-acetylserine aminohydroxylase 1	1.38	2.61	3.10E-06	1.84E-04	NM_019734	NM_019734	NM_019734	Mm.22547	11886	ENSMUST00000126561
A_55_P2071137	<b>Asap1</b>	AriGAP with SH3 domain, ankyrin repeat and PH domain 1	1.13	2.19	3.02E-06	1.81E-04	NM_010026	NM_010026	NM_010026	Mm.278236	13196	ENSMUST00000230008
A_55_P1957918	<b>Asap2</b>	AriGAP with SH3 domain, ankyrin repeat and PH domain 2	0.67	1.59	7.52E-05	1.25E-03	NM_00113519	NM_00113519	NM_00113519	Mm.358946	211914	ENSMUST00000064595
A_51_P421094	<b>Ascc3</b>	activating signal co-receptor 1 complex subunit 3	1.40	2.63	1.98E-07	4.67E-05	NM_198007	NM_198007	NM_198007	Mm.222497	77987	ENSMUST0000035606
A_51_P223929	<b>Ash1l</b>	ash1 (absent, small, or homeotic)-like (Drosophila)	1.71	3.28	6.68E-07	9.54E-05	NM_138679	NM_138679	NM_138679	Mm.130752	192195	ENSMUST0000009933
A_51_P174645	<b>Asl</b>	argininosuccinate lyase	0.68	1.60	2.75E-05	6.63E-04	NM_133768	NM_133768	NM_133768	Mm.23869	109900	ENSMUST00000160129
A_55_P1986228	<b>Aspm</b>	asp (abnormal spindle)-like, microcephaly associated (Drosophila)	1.96	3.95	1.09E-08	1.18E-05	NM_009791	NM_009791	NM_009791	Mm.168523	11899	ENSMUST00000053364
A_51_P143951	<b>Astn1</b>	astrotactin 1	1.19	2.28	7.41E-07	8.79E-05	NM_007495	NM_007495	NM_007495	Mm.329586	11899	ENSMUST00000046110
A_55_P2398399	<b>Astn2</b>	astrotactin 2	0.60	1.51	2.83E-05	6.73E-04	NM_207109	NM_207109	NM_207109	Mm.445312	56079	ENSMUST00000068214
A_51_P140607	<b>Asun</b>	asunder, spermatogenesis regulator	0.75	1.68	9.52E-05	1.47E-03	NM_138757	NM_138757	NM_138757	Mm.271774	71177	ENSMUST00000032427
A_52_P262219	<b>Atca</b>	ataxia, cerebellar, Cayman type homolog (human)	0.56	1.47	8.30E-05	1.33E-03	NM_178662	NM_178662	NM_178662	Mm.127681	16467	ENSMUST00000047408
A_52_P478729	<b>Atg2a</b>	autophagy related 2A	0.82	1.76	3.05E-05	7.08E-04	NM_194348	NM_194348	NM_194348	Mm.273384	329015	ENSMUST000000145600
A_55_P1987988	<b>Atg2b</b>	autophagy related 2B	0.83	1.78	2.59E-06	1.64E-04	NM_029654	NM_029654	NM_029654	Mm.114362	76559	ENSMUST00000041055
A_55_P2151762	<b>Atg7</b>	autophagy related 7	0.82	1.76	1.47E-04	1.95E-03	NM_00125371	NM_00125371	NM_00125371	Mm.275332	74244	ENSMUST00000169310
A_55_P2424459	<b>Atg9a</b>	autophagy related 9A	1.17	2.25	2.71E-06	1.68E-04	NM_00100391	NM_00100391	NM_00100391	Mm.358931	245660	ENSMUST00000040689
A_66_P134534	<b>Ati2</b>	atlastin GTPase 2	0.82	1.76	1.14E-04	1.65E-03	NM_019717	NM_019717	NM_019717	Mm.175403	56298	ENSMUST00000068282
A_52_P369581	<b>Atm</b>	ataxia telangiectasia mutated homolog (human)	1.24	2.36	9.50E-06	3.58E-04	NM_007499	NM_007499	NM_007499	Mm.5088	11920	ENSMUST00000118282
A_55_P1971076	<b>Atp1a</b>	ATPase, class VI, type 11A	0.96	1.94	2.30E-05	5.96E-04	NM_015804	NM_015804	NM_015804	Mm.257837	50770	ENSMUST00000091237
A_55_P2083839	<b>Atp13a1</b>	ATPase type 13A1	1.01	2.02	6.32E-07	8.24E-05	BC138721	0	BC138721	Mm.186066	170759	0
A_55_P2083841	<b>Atp13a1</b>	ATPase type 13A1	0.80	1.75	3.06E-05	7.08E-04	NM_133224	NM_133224	NM_133224	Mm.186066	170759	ENSMUST00000034326
A_52_P227267	<b>Atp1a2</b>	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, alpha 2 polypeptide	1.23	2.34	8.86E-05	1.40E-03	NM_178405	NM_178405	NM_178405	Mm.207432	98660	ENSMUST00000131751
A_51_P151484	<b>Atp1b1</b>	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, beta 1 polypeptide	1.03	2.05	6.06E-05	1.09E-03	NM_009721	NM_009721	NM_009721	Mm.4550	11931	ENSMUST00000027863
A_51_P520384	<b>Atp1b3</b>	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, beta 3 polypeptide	0.74	1.67	1.41E-04	1.90E-03	NM_007502	NM_007502	NM_007502	Mm.424	11933	ENSMUST00000034983
A_51_P244856	<b>Atp2a1</b>	ATPase, Ca <sup>++</sup> transporting, cardiac muscle, fast twitch 1	1.86	3.63	9.03E-07	6.98E-05	NM_007504	NM_007504	NM_007504	Mm.31534	11937	ENSMUST00000032974
A_51_P451075	<b>Atp2a2</b>	ATPase, Ca <sup>++</sup> transporting, cardiac muscle, slow twitch 2	1.67	3.19	3.59E-07	6.23E-05	NM_009722	NM_009722	NM_009722	Mm.227583	11938	ENSMUST0000017974
A_66_P138001	<b>Atp2b1</b>	ATPase, Ca <sup>++</sup> transporting, plasma membrane 1	1.51	2.84	1.55E-05	4.74E-04	NM_026482	NM_026482	NM_026482	Mm.166944	67972	ENSMUST00000020107
A_51_P256384	<b>Atp2b2</b>	ATPase, Ca <sup>++</sup> transporting, plasma membrane 2	0.93	1.90	6.09E-06	2.76E-04	NM_009723	NM_009723	NM_009723	Mm.321755	11941	ENSMUST00000010444
A_55_P2013178	<b>Atp2b3</b>	ATPase, Ca <sup>++</sup> transporting, plasma membrane 3	0.93	1.90	4.23E-06	2.20E-04	AK032322	0	AK032322	Mm.210905	320707	ENSMUST00000033744
A_55_P1985265	<b>Atp2b4</b>	ATPase, Ca <sup>++</sup> transporting, plasma membrane 4	1.22	2.33	1.85E-05	5.26E-04	NM_00116794	NM_00116794	NM_00116794	Mm.188617	381290	ENSMUST00000048953
A_55_P2051899	<b>Atp2c1</b>	ATPase, Ca <sup>++</sup> -sequestering	0.77	1.71	1.18E-04	1.69E-03	NM_175025	NM_175025	NM_175025	Mm.326247	235574	ENSMUST00000038118
A_55_P2110978	<b>Atp6a1</b>	ATPase, H <sup>+</sup> transporting, lysosomal accessory protein 1	1.47	2.78	8.36E-07	9.30E-05	NM_018794	NM_018794	NM_018794	Mm.489655	54411	ENSMUST00000144506
A_52_P428125	<b>Atr</b>	ataxia telangiectasia and Rad3 related 3	1.07	2.10	2.36E-05	6.03E-04	NM_019864	NM_019864	NM_019864	Mm.212462	24500	ENSMUST00000034980
A_52_P500244	<b>Atrn</b>	attractin	0.68	1.61	1.94E-05	5.41E-04	NM_009730	NM_009730	NM_009730	Mm.119936	11990	ENSMUST00000028781
A_51_P413366	<b>Atrx</b>	alpha thalassemia/mental retardation syndrome X-linked hom	1.76	3.39	4.26E-08	2.20E-05	NM_009530	NM_009530	NM_009530	Mm.10141	25589	ENSMUST00000113573
A_66_P120901	<b>Atxn10</b>	ataxin 10	1.08	2.12	7.52E-05	1.25E-03	NM_016843	NM_016843	NM_016843	Mm.248906	54138	ENSMUST00000163242
A_51_P129866	<b>Atxn11</b>	ataxin 11-like	0.84	1.79	8.04E-05	1.30E-03	NM_00108093	NM_00108093	NM_00108093	Mm.276770	52335	ENSMUST00000093162
A_55_P2086983	<b>Atxn2</b>	ataxin 2	0.72	1.64	2.35E-05	6.03E-04	NM_009125	NM_009125	NM_009125	Mm.260900	20239	ENSMUST00000051950
A_51_P166339	<b>Avil</b>	avillin	1.39	2.61	2.13E-06	1.46E-04	NM_009635	NM_009635	NM_009635	Mm.10739	11567	ENSMUST00000129173
A_55_P2168692	<b>Azi1</b>	5-azacytidine induced gene 1	0.64	1.56	5.29E-05	1.00E-03	NM_009734	NM_009734	NM_009734	Mm.2556	12009	ENSMUST00000145641
A_52_P24631	<b>Azin1</b>	antizyme inhibitor 1	1.31	2.48	1.72E-05	5.03E-04	NM_018745	NM_018745	NM_018745	Mm.250214	54375	ENSMUST00000129589
A_52_P236755	<b>B3gat2</b>	beta-1,3-glucuronyltransferase 2 (glucuronosyltransferase S)	0.90	1.86	1.48E-05	4.60E-04	NM_172124	NM_172124	NM_172124	Mm.471661	280645	ENSMUST00000140583
A_65_P16680	<b>Bgalnt5</b>	UDP-Gal-beta-GlcNAc beta 1,4-galactosyltransferase, polypep	0.57	1.48	4.27E-05	8.70E-04	NM_019835	NM_019835	NM_019835	Mm.200886	56336	ENSMUST00000109221
A_51_P283649	<b>Baat1</b>	BRCA1-associated ATM activator 1	0.87	1.82	9.14E-06	3.50E-04	NM_172724	NM_172724	NM_172724	Mm.271932	231841	ENSMUST00000110806
A_51_P133761	<b>Bai3</b>	brain-specific angiogenesis inhibitor 3	1.22	2.32	5.00E-06	2.43E-04	NM_175642	NM_175642	NM_175642	Mm.336569	210933	ENSMUST00000153568
A_55_P2138326	<b>Bai3p3</b>	BAI1-associated protein 3	0.91	1.88	1.70E-05	4.99E-04	NM_00116327	NM_00116327	NM_00116327	Mm.328859	545192	ENSMUST00000169109
A_51_P463828	<b>Baz1b</b>	bromodomain adjacent to zinc finger domain, 1B	0.90	1.87	2.30E-05	5.96E-04	NM_011714	NM_011714	NM_011714	Mm.40331	22385	ENSMUST00000028285
A_55_P1998637	<b>Baz2b</b>	bromodomain adjacent to zinc finger domain, 2B	1.00	2.01	8.32E-06	3.30E-04	NM_00100118	NM_00100118	NM_00100118	Mm.228071	407823	ENSMUST00000112550
A_55_P2005868	<b>Bbs7</b>	Bardet-Biedl syndrome 7 (human)	0.86	1.81	1.54E-05	4.71E-04	NM_027810	NM_027810	NM_027810	Mm.286187	71492	ENSMUST00000040148
A_55_P2214491	<b>Bbs9</b>	Bardet-Biedl syndrome 9 (human)	0.52	1.43	1.51E-04	1.99E-03	NM_178415	NM_178415	NM_178415	Mm.167825	319845	ENSMUST00000147112
A_55_P1971604	<b>Bcan</b>	brevican	0.71	1.64	1.44E-04	1.93E-03	NM_00110975	NM_00110975	NM_00110975	Mm.4998	12032	0
A_55_P2127844	<b>Bcas3</b>	breast carcinoma amplified sequence 3	1.41	2.65	6.20E-07	8.24E-05	NM_00116664	NM_00116664	NM_00116664	Mm.287663	192197	ENSMUST00000144276
A_52_P161495	<b>Bcl6</b>	B cell leukemia/lymphoma 6	0.53	1.44	1.10E-04	1.61E-03	NM_009744	NM_009744	NM_009744	Mm.347398	12053	ENSMUST00000023151
A_51_P183630	<b>Bcor</b>	BCL6 interacting corepressor	1.14	2.20	1.98E-06	1.41E-04	NM_029510	NM_029510	NM_029510	Mm.196328	71458	ENSMUST00000043441
A_51_P162437	<b>Bcr</b>	breakpoint cluster region	0.58	1.49	1.15E-04	1.66E-03	NM_00108141	NM_00108141	NM_00108141	Mm.488801	110279	ENSMUST00000164107
A_55_P2099232	<b>Bdp1</b>	B double prime 1, subunit of RNA polymerase III transcription	0.95	1.93	1.71E-05	5.01E-04	NM_0010810E	NM_0010810E	NM_0010810E	Mm.288546	544971	ENSMUST0000009262
A_51_P365378	<b>Bes2</b>	bestrophin 2	1.23	2.35	3.29E-06	3.29E-04	NM_00113019	NM_00113019	NM_00113019	Mm.21514	212989	ENSMUST00000059072
A_51_P297586	<b>Birc6</b>	baculoviral IAP repeat-containing 6	2.12	4.35	3.17E-08	1.33E-05	NM_007566	NM_007566	NM_007566	Mm.290908	12211	ENSMUST00000024879
A_51_P480904	<b>Bimh</b>	bleomycin hydrolase	0.66	1.58	1.99E-05	5.48E-04	NM_178645	NM_178645	NM_178645	Mm.399785	104184	ENSMUST00000021197
A_51_P488196	<b>Bmper</b>	BMP-binding endothelial protein	1.09	2.13								

A_52_P600946	<b>Ccdc88c</b>	coiled-coil domain containing 88C	1.28	2.43	4.19E-06	2.18E-04	NM_026681	NM_026681	NM_026681	Mm.156217	68339	ENSMUST0000068411
A_51_P506201	<b>Cckbr</b>	cholecytokinin B receptor	0.89	1.85	3.61E-05	7.80E-04	NM_007627	NM_007627	NM_007627	Mm.44513	12426	ENSMUST00000181339
A_55_P1968723	<b>Ccrnd1</b>	CCR4 carbon catabolite repression 4-like (S. cerevisiae)	0.64	1.56	5.73E-05	1.05E-03	NM_009834	NM_009834	NM_009834	Mm.86541	12457	ENSMUST0000023849
A_66_P106478	<b>Cct3</b>	chaperonin containing Tcp1, subunit 3 (gamma)	1.21	2.31	2.32E-05	6.00E-04	NM_009836	NM_009836	NM_009836	Mm.256034	12462	ENSMUST00000167000
A_55_P2125912	<b>Cct6a</b>	chaperonin containing Tcp1, subunit 6a (zeta)	0.78	1.71	9.58E-05	1.47E-03	NM_009838	NM_009838	NM_009838	Mm.360232	12466	ENSMUST0000031402
A_52_P456279	<b>Cct8</b>	chaperonin containing Tcp1, subunit 8 (theta)	1.08	2.11	7.58E-06	3.12E-04	NM_009840	NM_009840	NM_009840	Mm.328673	12469	ENSMUST00000176241
A_55_P2174490	<b>Cd37</b>	CD37 antigen	0.87	1.83	3.74E-05	7.95E-04	NM_007645	NM_007645	NM_007645	Mm.3689	12493	ENSMUST00000128823
A_52_P383089	<b>Cd4</b>	CD4 antigen	0.76	1.69	4.00E-05	8.32E-04	NM_013488	NM_013488	NM_013488	Mm.2209	12504	ENSMUST00000145977
A_55_P2182483	<b>Cd47</b>	CD47 antigen (Rh-related antigen, integrin-associated signal I)	1.68	3.20	1.34E-07	4.05E-05	NM_010581	NM_010581	NM_010581	Mm.390865	16423	ENSMUST00000114496
A_51_P337675	<b>Cd53</b>	CD53 antigen	1.08	2.12	5.93E-05	1.06E-03	NM_007651	NM_007651	NM_007651	Mm.316861	12508	ENSMUST00000398845
A_52_P20852	<b>Cd9</b>	CD9 antigen	0.83	1.78	1.50E-05	4.65E-04	NM_007657	NM_007657	NM_007657	Mm.210676	12527	ENSMUST00000302492
A_52_P263870	<b>Cdc23</b>	CDC23 cell division cycle 23	1.09	2.12	4.56E-05	9.10E-04	NM_178347	NM_178347	NM_178347	Mm.196638	52563	ENSMUST00000153307
A_55_P2129092	<b>Cdc42bpa</b>	CDC42 binding protein kinase alpha	0.78	1.71	9.22E-06	3.45E-04	NM_00103328	NM_00103328	NM_00103328	Mm.259655	226751	ENSMUST00000143350
A_52_P211737	<b>Cdca2</b>	cell division cycle associated 2	0.95	1.93	2.00E-05	5.50E-04	NM_175384	NM_175384	NM_175384	Mm.33631	108912	ENSMUST00000163100
A_52_P384718	<b>Cdhl0</b>	cadherin 10	0.88	1.84	1.12E-05	3.90E-04	NM_009865	NM_009865	NM_009865	Mm.117794	320873	ENSMUST00000176146
A_55_P2067478	<b>Cdh6</b>	cadherin 6	0.85	1.81	7.47E-05	1.24E-03	NM_007666	NM_007666	NM_007666	Mm.57048	12563	ENSMUST00000363439
A_51_P518919	<b>Cdh7</b>	cadherin 7, type 2	1.09	1.86	6.58E-06	2.88E-04	NM_172853	NM_172853	NM_172853	Mm.487119	241201	ENSMUST00000172005
A_55_P1970621	<b>Cdh8</b>	cadherin 8	0.85	1.80	3.76E-05	7.98E-04	NM_007667	NM_007667	NM_007667	Mm.441131	12564	ENSMUST00000128860
A_55_P2112235	<b>Cdk5rap2</b>	CDK5 regulatory subunit associated protein 2	0.73	1.66	1.51E-04	1.98E-03	NM_145990	NM_145990	NM_145990	Mm.379344	214444	ENSMUST00000138561
A_52_P523915	<b>Cds2</b>	CDP-diacylglycerol synthase (phosphatidate cytidylyltransferase)	1.01	2.01	7.52E-06	3.10E-04	NM_138651	NM_138651	NM_138651	Mm.284503	110911	ENSMUST00000103181
A_51_P202971	<b>Cecr6</b>	cate syndrome chromosome region, candidate 6	1.02	2.03	2.87E-06	1.75E-04	NM_033567	NM_033567	NM_033567	Mm.230848	94047	ENSMUST00000178687
A_52_P350148	<b>Celsr2</b>	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog)	0.95	1.93	5.87E-05	1.07E-03	NM_00100417	NM_00100417	NM_00100417	Mm.39728	53883	ENSMUST00000126349
A_55_P2017418	<b>Cfh</b>	complement component factor h	1.69	3.23	1.43E-07	4.10E-05	NM_009888	NM_009888	NM_009888	Mm.8655	12628	ENSMUST00000123238
A_55_P2098995	<b>Cfr2</b>	complement factor H-related 2	2.29	4.47	6.73E-08	2.81E-05	NM_00102557	NM_00102557	NM_00102557	Mm.439660	545366	ENSMUST0000094889
A_55_P2169415	<b>Cgn</b>	cingulin	2.55	5.84	1.02E-09	4.68E-06	NM_00103771	NM_00103771	NM_00103771	Mm.87634	70737	ENSMUST00000107273
A_52_P163201	<b>Chadl</b>	chondroaderin-like	0.56	1.48	2.60E-05	6.44E-04	NM_00116432	NM_00116432	NM_00116432	Mm.393287	214685	ENSMUST0000072910
A_51_P519837	<b>Cherp</b>	calcium homeostasis endoplasmic reticulum protein	0.65	1.57	8.47E-05	1.35E-03	NM_138585	NM_138585	NM_138585	Mm.30136	27967	ENSMUST00000179510
A_51_P358316	<b>Chga</b>	chromogranin A	0.67	1.59	1.08E-04	1.59E-03	NM_007693	NM_007693	NM_007693	Mm.4137	12652	ENSMUST0000021610
A_51_P191669	<b>Chgb</b>	chromogranin B	1.06	2.09	7.30E-05	1.23E-03	NM_007694	NM_007694	NM_007694	Mm.255241	12653	ENSMUST00000208826
A_52_P441294	<b>Chil1</b>	cell adhesion molecule with homology to L1CAM	0.87	1.83	3.54E-05	7.69E-04	NM_007697	NM_007697	NM_007697	Mm.251288	12661	ENSMUST0000006905
A_55_P1989782	<b>Chim1</b>	chondroderma-like	1.15	2.21	5.59E-06	2.61E-04	NM_021350	NM_021350	NM_021350	Mm.440490	12663	ENSMUST00000104984
A_51_P335758	<b>Chn1</b>	chimerin (chimaerin) 1	0.94	1.92	1.27E-04	1.77E-03	NM_029716	NM_029716	NM_029716	Mm.489675	108699	ENSMUST00000124450
A_55_P2123683	<b>Chrd1</b>	chordin-like 1	0.62	1.54	1.45E-04	1.94E-03	NM_00111438	NM_00111438	NM_00111438	Mm.157697	87453	ENSMUST00000112278
A_55_P2055284	<b>Chrm2</b>	cholinergic receptor, muscarinic 2, cardiac	1.12	2.17	9.95E-05	1.41E-03	NM_203491	NM_203491	NM_203491	Mm.448632	243764	ENSMUST00000172728
A_52_P222026	<b>Chrm2b</b>	cholinergic receptor, nicotinic, beta polypeptide 2 (neuronal)	0.57	1.48	1.18E-04	1.68E-03	NM_009602	NM_009602	NM_009602	Mm.35088	11444	ENSMUST00000209562
A_55_P1952950	<b>Cic</b>	capicua homolog (Drosophila)	1.03	2.04	5.96E-05	1.08E-03	NM_00111013	NM_00111013	NM_00111013	Mm.28833	71722	ENSMUST00000167379
A_55_P1999633	<b>Cit</b>	citron	0.97	1.99	3.33E-05	7.41E-04	NM_007708	NM_007708	NM_007708	Mm.8321	12704	ENSMUST00000129736
A_55_P2110215	<b>Ckap5</b>	cytoskeleton associated protein 5	1.19	2.28	5.04E-07	3.71E-05	NM_00116598	NM_00116598	NM_00116598	Mm.168478	12780	ENSMUST00000337100
A_52_P385606	<b>Ckb</b>	creatine kinase, brain	0.96	1.94	1.06E-04	1.57E-03	NM_021273	NM_021273	NM_021273	Mm.16831	12709	ENSMUST00000013004
A_55_P1999197	<b>Clasp1</b>	CLIP associating protein 1	0.77	1.71	5.41E-05	1.02E-03	NM_00108127	NM_00108127	NM_00108127	Mm.138740	76707	ENSMUST00000107989
A_55_P2363983	<b>Clasp2</b>	CLIP associating protein 2	1.22	2.34	7.07E-06	3.00E-04	NM_00111434	NM_00111434	NM_00111434	Mm.222272	76499	ENSMUST00000163895
A_55_P2121222	<b>Clcc1</b>	chloride channel CLIC-like 1	0.58	1.50	5.64E-05	1.04E-03	NM_00117777	NM_00117777	NM_00117777	Mm.214545	229725	ENSMUST00000232483
A_55_P2081214	<b>Clcn6</b>	chloride channel 6	1.11	2.16	2.43E-06	1.58E-04	NM_011929	NM_011929	NM_011929	Mm.89987	26372	ENSMUST00000300879
A_51_P456465	<b>Cldn10</b>	claudin 10	0.69	1.61	1.85E-05	2.56E-04	NM_021386	NM_021386	NM_021386	Mm.390755	58187	ENSMUST00000047761
A_51_P409452	<b>Cldn11</b>	claudin 11	0.84	1.79	1.00E-05	3.68E-04	NM_008770	NM_008770	NM_008770	Mm.4425	18410	ENSMUST00000046174
A_51_P288906	<b>Clip1</b>	CAP-GLY domain containing linker protein 1	1.81	3.51	4.74E-07	7.18E-05	NM_019765	NM_019765	NM_019765	Mm.241109	56437	ENSMUST00000137602
A_51_P200667	<b>Clmn</b>	calmin	1.20	2.30	3.36E-07	6.08E-05	NM_053155	NM_053155	NM_053155	Mm.240378	94040	ENSMUST00000109937
A_52_P164136	<b>Cln6</b>	ceroid-lipofuscinosis, neuronal 6	0.69	1.62	4.29E-05	8.72E-04	NM_00103317	NM_00103317	NM_00103317	Mm.283636	76524	ENSMUST00000304776
A_51_P407193	<b>Clp1</b>	CLP1, cleavage and polyadenylation factor I subunit	1.35	2.54	1.24E-04	1.74E-03	NM_133840	NM_133840	NM_133840	Mm.21583	9895	ENSMUST00000138231
A_66_P134785	<b>Clpp</b>	Clp1 caseinolytic peptidase, ATP-dependent, proteolytic subunit	0.71	1.63	1.05E-04	1.56E-03	NM_017393	NM_017393	NM_017393	Mm.287892	95895	ENSMUST0000020735
A_51_P304683	<b>Clpx</b>	caseinolytic peptidase X (E.coli)	1.04	2.05	1.04E-04	1.55E-03	NM_011802	NM_011802	NM_011802	Mm.30088	270166	ENSMUST00000115501
A_52_P424784	<b>Clstn2</b>	calysteinin 2	1.06	2.09	1.24E-06	1.10E-04	NM_022319	NM_022319	NM_022319	Mm.440903	64085	ENSMUST00000305027
A_66_P119174	<b>Cntn6</b>	CKLF-like MARVEL transmembrane domain containing 6	0.66	1.58	5.84E-05	1.07E-03	NM_026036	NM_026036	NM_026036	Mm.28859	67213	ENSMUST00000305007
A_55_P2072816	<b>Cnksr2</b>	connector enhancer of kinase suppressor of Ras 2	0.89	1.85	1.38E-04	1.87E-03	NM_177751	NM_177751	NM_177751	Mm.190754	245684	ENSMUST00000202750
A_55_P1953753	<b>Cnr1</b>	cannabinoid receptor 1 (brain)	0.67	1.59	3.43E-05	7.54E-04	NM_007726	NM_007726	NM_007726	Mm.7992	12801	ENSMUST00000084736
A_66_P125925	<b>Cntn2</b>	contactin 2	1.19	2.28	1.93E-05	5.40E-04	NM_177129	NM_177129	NM_177129	Mm.485420	21367	ENSMUST00000086521
A_55_P2157978	<b>Cntn4</b>	contactin 4	1.21	2.31	1.42E-04	1.91E-03	NM_00110975	NM_00110975	NM_00110975	Mm.321683	269784	ENSMUST00000113261
A_52_P412452	<b>Cntn6</b>	contactin 6	1.08	2.11	5.60E-05	1.04E-03	NM_017383	NM_017383	NM_017383	Mm.321671	53870	ENSMUST00000162872
A_55_P2022128	<b>Cntnap1</b>	contactin associated protein-like 1	1.00	1.99	7.92E-07	1.92E-05	NM_016782	NM_016782	NM_016782	Mm.474527	53321	ENSMUST00000103109
A_52_P215750	<b>Cntnap2</b>	contactin associated protein-like 2	1.51	2.85	8.26E-06	3.29E-04	NM_0010043E	NM_0010043E	NM_0010043E	Mm.440084	66797	ENSMUST00000114641
A_55_P1964653	<b>Cntnap4</b>	contactin associated protein-like 4	1.09	2.13	3.65E-06	2.83E-04	NM_130457	NM_130457	NM_130457	Mm.209232	170571	ENSMUST00000118171
A_52_P150651	<b>Cog5</b>	component of oligomeric golgi complex 5	0.88	1.85	2.85E-05	6.76E-04	NM_00116312	NM_00116312	NM_00116312	Mm.173068	238123	ENSMUST00000306862
A_55_P130824	<b>Cog8</b>	component of oligomeric golgi complex 8	0.65	1.57	6.18E-05	1.10E-03	NM_139229	NM_139229	NM_139229	Mm.288641	97484	ENSMUST00000304391
A_55_P2062469	<b>Col12a1</b>	collagen, type XII, alpha 1	0.99	1.99	1.30E-05	4.25E-04	NM_007730	NM_007730	NM_007730	Mm.3819	12816	ENSMUST00000071570
A_52_P170882	<b>Col15a1</b>	collagen, type XV, alpha 1	0.63	1.55	1.31E-04	1.81E-03	NM_009928	NM_009928	NM_009928	Mm.233547	12819	ENSMUST00000102917
A_55_P2124791	<b>Col18a1</b>	collagen, type XVIII, alpha 1	1.04	2.05	4.10E-05	8.45E-04	NM_00110999	NM_00110999	NM_00110999	Mm.4352	12822	ENSMUST00000072755
A_51_P213676												



A_55_P2032760	<b>Ctif</b>	CBP80/20-dependent translation initiation factor	0.67	1.59	1.48E-04	1.95E-03	NM_201354	NM_201354	NM_201354	Mm.36745	269037	ENSMUST00000165559
A_51_P324572	<b>Ctnna1</b>	catenin (cadherin associated protein), alpha 1	0.64	1.56	1.45E-04	1.93E-03	NM_009818	NM_009818	NM_009818	Mm.18962	12385	ENSMUST0000042345
A_51_P438841	<b>Ctnna2</b>	catenin (cadherin associated protein), alpha 2	1.21	2.32	8.88E-07	9.65E-05	NM_009819	NM_009819	NM_009819	Mm.34637	12386	ENSMUST00000159626
A_52_P424585	<b>Ctnnb1</b>	catenin (cadherin associated protein), beta 1	1.58	2.99	1.68E-07	4.37E-05	NM_007614	NM_007614	NM_007614	Mm.291928	12387	ENSMUST00000154356
A_55_P2024215	<b>Ctnnb1l</b>	catenin, beta like 1	0.94	1.92	1.28E-05	4.22E-04	NM_025680	NM_025680	NM_025680	Mm.45193	66642	ENSMUST00000291178
A_55_P1953252	<b>Ctnnd1</b>	catenin (cadherin associated protein), delta 1	0.94	1.91	4.24E-05	8.65E-04	NM_007615	NM_007615	NM_007615	Mm.35738	12388	ENSMUST0000011694
A_52_P195839	<b>Ctsc</b>	cathepsin C	0.91	1.88	3.21E-05	7.27E-04	NM_009982	NM_009982	NM_009982	Mm.323945	13032	ENSMUST00000302779
A_65_P13209	<b>Ctsd</b>	cathepsin D	1.67	3.19	1.34E-05	4.35E-04	NM_009983	NM_009983	NM_009983	Mm.221935	13033	ENSMUST00000066401
A_51_P253547	<b>Ctsl</b>	cathepsin L	0.73	1.66	7.57E-05	1.25E-03	NM_009984	NM_009984	NM_009984	Mm.930	13039	ENSMUST00000201933
A_52_P326214	<b>Ctin</b>	cortactin	1.41	2.65	5.88E-06	2.70E-04	NM_007803	NM_007803	NM_007803	Mm.20601	13043	ENSMUST00000103079
A_52_P481423	<b>Ctinb2nl</b>	CTNBP2 N-terminal like	1.04	2.06	5.52E-05	1.03E-03	NM_030249	NM_030249	NM_030249	Mm.200327	80281	ENSMUST0000007548
A_52_P664699	<b>Cull1</b>	cullin 1	0.78	1.71	1.03E-04	1.55E-03	NM_012042	NM_012042	NM_012042	Mm.87611	26965	ENSMUST00000146200
A_55_P2121081	<b>Cull2</b>	cullin 2	0.97	1.97	5.11E-05	9.78E-04	NM_029402	NM_029402	NM_029402	Mm.291707	71745	ENSMUST00000080089
A_52_P47645	<b>Cull3</b>	cullin 3	1.29	2.45	4.78E-06	2.36E-04	NM_016716	NM_016716	NM_016716	Mm.12665	26554	ENSMUST00000167794
A_55_P2056958	<b>Cull9</b>	cullin 9	1.54	2.92	3.36E-07	6.08E-05	NM_00108133	NM_00108133	NM_00108133	Mm.329076	78309	ENSMUST00000066026
A_52_P99810	<b>Cx3cr1</b>	chemokine (C-X3-C) receptor 1	0.63	1.55	9.20E-05	1.43E-03	NM_009987	NM_009987	NM_009987	Mm.44065	13051	ENSMUST00000177637
A_52_P585124	<b>Cxcr4</b>	chemokine (C-X-C motif) receptor 4	0.85	1.81	8.10E-05	1.31E-03	NM_009911	NM_009911	NM_009911	Mm.1401	12671	ENSMUST00000052172
A_55_P1956667	<b>Cyfp1</b>	cytoplasmic FMR1 interacting protein 1	0.83	1.77	5.70E-05	1.05E-03	NM_00116466	NM_00116466	NM_00116466	Mm.37249	20430	ENSMUST00000032629
A_55_P2102515	<b>Daam1</b>	dishevelled associated activator of morphogenesis 1	0.84	1.79	2.63E-05	6.47E-04	NM_026102	NM_026102	NM_026102	Mm.87417	20846	ENSMUST00000085299
A_52_P392216	<b>Dab1</b>	disabled 1	1.53	2.88	1.51E-06	1.22E-04	NM_177259	NM_177259	NM_177259	Mm.289682	13131	ENSMUST00000106830
A_55_P1959763	<b>Dach1</b>	dachshund 1 (Drosophila)	0.87	1.83	1.52E-06	1.22E-04	NM_007826	NM_007826	NM_007826	Mm.320593	13134	ENSMUST00000071533
A_52_P127682	<b>Dagla</b>	diacylglycerol lipase, alpha	0.69	1.61	3.17E-05	7.21E-04	NM_198114	NM_198114	NM_198114	Mm.329718	269606	ENSMUST00000109521
A_55_P2195157	<b>Dbn1</b>	debrin 1	4.40	21.17	2.38E-10	3.00E-06	NM_00117737	NM_00117737	NM_00117737	Mm.19016	56320	ENSMUST00000128922
A_52_P569348	<b>Dbt</b>	dihydropolipoamide branched chain transacylase E2	0.63	1.55	7.50E-05	1.25E-03	NM_010022	NM_010022	NM_010022	Mm.3636	13171	ENSMUST00000003049
A_55_P2020497	<b>Dcaf12l1</b>	DBB1 and CUL4 associated factor 12-like 1	0.94	1.92	7.75E-06	3.16E-04	NM_178739	NM_178739	NM_178739	Mm.55685	245404	ENSMUST00000060841
A_52_P471502	<b>Dcaf13</b>	DBB1 and CUL4 associated factor 13	0.95	1.93	1.17E-04	1.68E-03	NM_198606	NM_198606	NM_198606	Mm.321937	223499	ENSMUST00000022099
A_66_P130906	<b>Dcaf7</b>	DBB1 and CUL4 associated factor 7	1.09	2.12	8.78E-04	6.78E-04	NM_027946	NM_027946	NM_027946	Mm.307455	57183	ENSMUST00000106891
A_52_P46310	<b>Dcaf7</b>	DBB1 and CUL4 associated factor 7	0.74	1.67	7.12E-05	1.21E-03	NM_027946	NM_027946	NM_027946	Mm.307455	71833	ENSMUST00000058438
A_65_P07978	<b>Dcc</b>	deleted in colorectal carcinoma	1.03	2.05	1.09E-05	3.84E-04	NM_007831	NM_007831	NM_007831	Mm.167882	13176	0
A_51_P270355	<b>Dclk1</b>	doublecortin-like kinase 1	0.92	1.89	2.85E-06	1.75E-04	NM_019978	NM_019978	NM_019978	Mm.39342	21375	ENSMUST00000054237
A_55_P1975385	<b>Dctn1</b>	dyncactin 1	0.95	1.91	1.27E-05	4.20E-04	NM_007835	NM_007835	NM_007835	Mm.6919	13191	ENSMUST00000077407
A_55_P2048084	<b>Dcun1d4</b>	DCN1, defective in cullin neddylation 1, domain containing 4 (	0.69	1.61	2.81E-05	6.72E-04	NM_178896	NM_178896	NM_178896	Mm.220312	100737	ENSMUST00000135558
A_51_P110471	<b>Ddah1</b>	dimethylarginine dimethylaminohydrolase 1	0.74	1.67	4.97E-05	9.60E-04	NM_026993	NM_026993	NM_026993	Mm.234247	69219	ENSMUST00000127193
A_51_P387220	<b>Ddx1</b>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 1	1.01	2.02	1.49E-05	4.62E-04	NM_134040	NM_134040	NM_134040	Mm.251255	104721	ENSMUST00000071103
A_51_P402994	<b>Ddx3y</b>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, Y-linked	0.96	1.95	5.60E-06	2.61E-04	NM_012008	NM_012008	NM_012008	Mm.486436	26900	ENSMUST00000091190
A_51_P491470	<b>Ddx4f</b>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 47	0.81	1.75	1.25E-04	1.75E-03	NM_026360	NM_026360	NM_026360	Mm.166524	67555	ENSMUST00000150522
A_51_P141164	<b>Ddx50</b>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 50	0.73	1.66	3.41E-05	7.53E-04	NM_053183	NM_053183	NM_053183	Mm.114116	92413	ENSMUST00000020270
A_51_P497463	<b>Dedd</b>	death effector domain-containing	0.75	1.68	5.93E-05	1.08E-03	NM_011615	NM_011615	NM_011615	Mm.270139	29125	ENSMUST00000097467
A_51_P515085	<b>Dennd2a</b>	DENNDMAD domain containing 2A	1.27	2.41	2.04E-07	4.69E-05	NM_172477	NM_172477	NM_172477	Mm.440021	209773	ENSMUST00000036877
A_52_P474902	<b>Denr</b>	density-regulated protein	0.60	1.51	6.79E-05	1.17E-03	NM_026603	NM_026603	NM_026603	Mm.68184	26819	ENSMUST00000166233
A_55_P1984391	<b>Depdc5</b>	DEP domain containing 5	0.97	1.95	2.67E-05	6.53E-04	NM_177786	NM_177786	NM_177786	Mm.101524	277854	ENSMUST0000018698
A_51_P217236	<b>Der1f</b>	Der1-like domain family, member 1	0.76	1.70	7.75E-05	1.27E-03	NM_024207	NM_024207	NM_024207	Mm.289387	67819	ENSMUST00000022993
A_52_P550843	<b>Desi2</b>	desumoylating isopeptidase 2	0.52	1.44	6.51E-05	1.14E-03	NM_024282	NM_024282	NM_024282	Mm.440132	78825	ENSMUST00000027783
A_52_P456134	<b>Dgat1</b>	diacylglycerol O-acyltransferase 1	0.73	1.66	2.65E-05	6.50E-04	NM_010046	NM_010046	NM_010046	Mm.22633	13350	ENSMUST00000162354
A_55_P2172935	<b>Dgkb</b>	diacylglycerol kinase, beta	1.02	2.02	1.76E-05	5.10E-04	AK038544	0	AK038544	Mm.126255	217480	0
A_55_P2022337	<b>Dhcr7</b>	7-dehydrocholesterol reductase	0.67	1.59	6.70E-05	1.16E-03	NM_007856	NM_007856	NM_007856	Mm.249342	13360	ENSMUST00000073878
A_51_P293901	<b>Dhrs1</b>	dehydrogenase/reductase (SDR family) member 1	0.70	1.63	1.23E-04	1.74E-03	NM_026819	NM_026819	NM_026819	Mm.21623	52585	ENSMUST00000020403
A_55_P168120	<b>Dhrs7</b>	dehydrogenase/reductase (SDR family) member 7	0.68	1.60	5.55E-05	1.03E-03	NM_025522	NM_025522	NM_025522	Mm.289653	66375	ENSMUST00000021512
A_55_P2040888	<b>Dhx15</b>	DEAH (Asp-Glu-Ala-His) box polypeptide 15	1.16	2.23	7.41E-05	1.24E-03	NM_00104262	NM_00104262	NM_00104262	Mm.9593	13204	ENSMUST00000031061
A_66_P118788	<b>Dhx29</b>	DEAH (Asp-Glu-Ala-His) box polypeptide 29	0.89	1.85	2.73E-06	1.68E-04	NM_172594	NM_172594	NM_172594	Mm.39094	186289	ENSMUST00000038574
A_55_P2036803	<b>Dhx30</b>	DEAH (Asp-Glu-Ala-His) box polypeptide 30	0.79	1.73	4.11E-05	8.46E-04	NM_00125268	NM_00125268	NM_00125268	Mm.276305	72831	ENSMUST00000119941
A_55_P2351505	<b>Dhx9</b>	DEAH (Asp-Glu-Ala-His) box polypeptide 9	1.71	3.27	4.61E-07	7.09E-05	NM_007842	NM_007842	NM_007842	Mm.20000	12311	ENSMUST00000042141
A_51_P427768	<b>Diap1</b>	diaphanous homolog 1 (Drosophila)	0.69	1.62	5.14E-05	9.82E-04	NM_007858	NM_007858	NM_007858	Mm.195916	13367	ENSMUST00000080033
A_51_P192162	<b>Diap2</b>	diaphanous homolog 2 (Drosophila)	0.77	1.71	7.40E-05	1.24E-03	NM_172493	NM_172493	NM_172493	Mm.10763	54004	ENSMUST00000167619
A_51_P336385	<b>Dido1</b>	death inducer-oligomer 1	1.43	2.69	6.16E-05	1.10E-03	NM_175551	NM_175551	NM_175551	Mm.253936	23856	ENSMUST00000087517
A_55_P1999361	<b>Dip2a</b>	DIP2 disco-interacting protein 2 homolog A (Drosophila)	1.13	2.19	7.46E-06	3.10E-04	NM_00108141	NM_00108141	NM_00108141	Mm.33183	64451	ENSMUST00000105417
A_52_P430169	<b>Dip2b</b>	DIP2 disco-interacting protein 2 homolog B (Drosophila)	1.41	2.65	3.60E-06	2.00E-04	NM_00115936	NM_00115936	NM_00115936	Mm.243658	239667	ENSMUST00000108971
A_55_P2137376	<b>Dip2c</b>	DIP2 disco-interacting protein 2 homolog C (Drosophila)	0.69	1.62	3.34E-05	7.43E-04	NM_00108142	NM_00108142	NM_00108142	Mm.217326	208440	ENSMUST00000174552
A_52_P627068	<b>Disp2</b>	dispatched homolog 2 (Drosophila)	1.64	3.11	4.47E-06	2.27E-04	NM_170593	NM_170593	NM_170593	Mm.212499	214240	ENSMUST00000037547
A_55_P2120807	<b>Dld</b>	dihydropolipoamide dehydrogenase	0.98	1.97	1.37E-05	4.41E-04	NM_007861	NM_007861	NM_007861	Mm.3131	13382	ENSMUST00000110857
A_51_P101858	<b>Dlg1</b>	discs, large homolog 1 (Drosophila)	1.13	2.19	2.52E-06	1.61E-04	NM_007862	NM_007862	NM_007862	Mm.382	13383	ENSMUST00000115201
A_55_P2072238	<b>Dlg2</b>	discs, large homolog 2 (Drosophila)	1.47	2.77	3.38E-06	1.93E-04	NM_011807	NM_011807	NM_011807	Mm.257035	23859	ENSMUST00000074273
A_55_P1999947	<b>Dlgap2</b>	discs, large (Drosophila) homolog-associated protein 2	1.80	3.14	1.39E-05	4.44E-04	NM_172910	NM_172910	NM_172910	Mm.404697	244310	ENSMUST00000133298
A_52_P411003	<b>Dlgap5</b>	discs, large (Drosophila) homolog-associated protein 5	0.78	1.71	3.83E-05	8.09E-04	NM_144553	NM_144553	NM_144553	Mm.240543	218977	ENSMUST00000043296
A_52_P306697	<b>Dmd</b>	dystrophin, muscular dystrophy	0.97	1.96	1.14E-05	3.93E-04	NM_007868	NM_007868	NM_007868	Mm.275608	13405	ENSMUST00000149433
A_55_P2179939	<b>Dmxl2</b>	Dmx-like 2	1.51	2.84	1.74E-06	1.31E-04	NM_172771	NM_172771	NM_172771	Mm.99636	235380	ENSMUST00000118600
A_55_P1964076	<b>Dnajb6</b>	DnaJ (Hsp40) homolog, subfamily B, member 6	0.64	1.56	4.23E-05	8.65E-04	NM_00103794	NM_00103794	NM_00103794	Mm.293110	23950	ENSMUST00000102734
A_66_P133450	<b>Dnajb9</b>	DnaJ (Hsp40) homolog, subfamily B, member 9	1.01	2.02	1.41E-05	4.48E-04	NM_013760	NM_013760	NM_013760	Mm.27432	27362	ENSMUST00000105049
A_52_P250590	<b>Dnajc13</b>	DnaJ (Hsp40) homolog, subfamily C, member 13	1.00	1.99	5.53E-06	2.99E-04	NM_00116302	NM_00116302	NM_00116302	Mm.217256	235567	ENSMUST00000035170
A_55_P2146304	<b>Dnajc6</b>	DnaJ (Hsp40) homolog, subfamily C, member 6	1.30	2.47	6.45E-06	2.85E-04	NM_00116458	NM_00116458	NM_00116458	Mm.76494	27685	ENSMUST00000106929
A_55_P2079175	<b>Dnm1</b>	dynamin 1	0.67	1.59	2.76E-05	6.65E-04	NM_010065	NM_010065	NM_010065	Mm.44736	13429	ENSMUST00000156866
A_55_P2100679	<b>Dnm2</b>	dynamin 2	0.85	1.80								

A_55_P1972530	<b>Eftud1</b>	elongation factor Tu GTP binding domain containing 1	0.92	1.89	2.96E-05	6.91E-04	NM_175317	NM_175317	NM_175317	Mm.238020	101592	ENSMUST0000039881	
A_55_P1956863	<b>Egfr</b>	epidermal growth factor receptor	1.89	3.72	3.62E-07	6.24E-05	NM_007912	NM_007912	NM_007912	Mm.8534	13649	ENSMUST0000012584	
A_55_P2017845	<b>Ehbp1</b>	EH domain binding protein 1	1.09	2.13	3.46E-05	7.45E-04	NM_00125251	NM_00125251	NM_00125251	Mm.281302	216565	ENSMUST00000134293	
A_51_P462918	<b>Ehhadh</b>	enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A del	0.78	1.71	4.54E-05	9.07E-04	NM_023737	NM_023737	NM_023737	Mm.29100	74147	ENSMUST0000023559	
A_52_P620793	<b>Eif2a</b>	eukaryotic translation initiation factor 2A	0.88	1.85	9.83E-05	1.50E-03	NM_0010055C	NM_0010055C	NM_0010055C	Mm.21617	229317	ENSMUST00000135876	
A_55_P2073945	<b>Eif2b3</b>	eukaryotic translation initiation factor 2B, subunit 3	1.06	2.09	7.80E-06	3.17E-04	NM_00111127	NM_00111127	NM_00111127	Mm.34612	108067	ENSMUST0000070610	
A_51_P305532	<b>Eif2s3x</b>	eukaryotic translation initiation factor 2, subunit 3, structural g	0.77	1.71	2.28E-05	5.91E-04	NM_012010	NM_012010	NM_012010	Mm.218851	26905	ENSMUST0000050328	
A_52_P524895	<b>Eif3a</b>	eukaryotic translation initiation factor 3, subunit A	1.90	3.73	3.57E-07	6.22E-05	NM_010123	NM_010123	NM_010123	Mm.22328	13669	ENSMUST0000002595	
A_52_P455089	<b>Eif3c</b>	eukaryotic translation initiation factor 3, subunit C	0.73	1.66	8.82E-05	1.39E-03	ENSMUST0000			0	0	56347	ENSMUST0000032992
A_51_P341130	<b>Eif3k</b>	eukaryotic translation initiation factor 3, subunit K	0.95	1.93	5.31E-06	2.52E-04	NM_028659	NM_028659	NM_028659	Mm.29714	73830	ENSMUST00000066070	
A_66_P103926	<b>Eif3m</b>	eukaryotic translation initiation factor 3, subunit M	1.04	2.06	1.05E-05	3.77E-04	NM_145380	NM_145380	NM_145380	Mm.379278	98221	ENSMUST00000111110	
A_55_P2046378	<b>Eif4g1</b>	eukaryotic translation initiation factor 4, gamma 1	1.11	2.16	2.21E-05	5.85E-04	NM_145941	NM_145941	NM_145941	Mm.260256	208643	ENSMUST00000115460	
A_55_P2034372	<b>Eif4g3</b>	eukaryotic translation initiation factor 4, gamma, 3	1.17	2.25	7.45E-06	3.10E-04	NM_00125619	NM_00125619	NM_00125619	Mm.268903	230861	ENSMUST00000084215	
A_55_P2181743	<b>Elmod1</b>	ELMO/CED-12 domain containing 1	1.09	2.13	2.34E-05	6.03E-04	NM_177769	NM_177769	NM_177769	Mm.259791	270162	ENSMUST00000048409	
A_55_P1997407	<b>Eimsan1</b>	ELM2 and Myb/SANT-like domain containing 1	0.92	1.90	2.44E-06	1.58E-04	NM_00116350	NM_00116350	NM_00116350	Mm.31256	238317	ENSMUST00000046286	
A_52_P609972	<b>Ein</b>	elastin	0.94	1.91	4.60E-05	9.14E-04	NM_007925	NM_007925	NM_007925	Mm.275320	13717	0	
A_51_P463440	<b>Elov6</b>	ELOVL family member 6, elongation of long chain fatty acids (	0.71	1.64	9.14E-05	1.42E-03	NM_130450	NM_130450	NM_130450	Mm.314113	170439	ENSMUST00000071402	
A_55_P2073647	<b>Elp2</b>	elongator acetyltransferase complex subunit 2	0.69	1.61	3.84E-05	8.10E-04	NM_021448	NM_021448	NM_021448	Mm.25298	58523	ENSMUST00000025120	
A_55_P2036285	<b>Elp4</b>	elongation protein 4 homolog (S. cerevisiae)	0.93	1.91	5.84E-05	1.07E-03	NM_023876	NM_023876	NM_023876	Mm.33870	77666	ENSMUST00000028588	
A_52_P306537	<b>Emc1</b>	ER membrane protein complex subunit 1	0.96	1.95	8.71E-05	1.38E-03	NM_146157	NM_146157	NM_146157	Mm.394288	230866	ENSMUST00000082262	
A_55_P2113673	<b>Emi1</b>	echinoderm microtubule associated protein like 1	0.56	1.47	1.18E-04	1.69E-03	NM_00104333	NM_00104333	NM_00104333	Mm.236645	68519	ENSMUST00000155544	
A_51_P392776	<b>Emi6</b>	echinoderm microtubule associated protein like 6	0.84	1.79	6.76E-06	2.93E-04	NM_146016	NM_146016	NM_146016	Mm.445271	237711	ENSMUST00000058902	
A_55_P2144386	<b>Emr1</b>	EGF-like module containing, mucin-like, hormone receptor-like	0.96	1.94	8.00E-05	1.30E-03	NM_010130	NM_010130	NM_010130	Mm.2254	13733	ENSMUST00000086763	
A_51_P126437	<b>Enc1</b>	ectodermal-neural cortex 1	1.23	2.35	7.82E-06	3.17E-04	NM_007930	NM_007930	NM_007930	Mm.240173	13803	ENSMUST00000041623	
A_55_P2055597	<b>Enpp2</b>	ectonucleotide pyrophosphatase/phosphodiesterase 2	1.09	2.13	2.42E-06	1.58E-04	NM_00113607	NM_00113607	NM_00113607	Mm.250256	18606	ENSMUST00000167541	
A_52_P411601	<b>Ep300</b>	E1A binding protein p300	1.23	2.35	1.02E-06	1.01E-04	NM_177821	NM_177821	NM_177821	Mm.258397	328272	ENSMUST00000063887	
A_55_P1987449	<b>Ep400</b>	E1A binding protein p400	1.46	2.75	7.22E-06	3.03E-04	NM_029337	NM_029337	NM_029337	Mm.270456	78567	ENSMUST00000112436	
A_51_P250058	<b>Epas1</b>	endothelial PAS domain protein 1	1.30	2.47	7.18E-07	8.68E-05	NM_010137	NM_010137	NM_010137	Mm.1415	13819	ENSMUST00000024954	
A_55_P2023762	<b>Epha4</b>	Eph receptor A4	1.32	2.50	1.62E-07	4.34E-05	NM_007936	NM_007936	NM_007936	Mm.400747	13838	ENSMUST00000027451	
A_55_P2100425	<b>Epha5</b>	Eph receptor A5	0.58	1.50	9.88E-05	1.51E-03	NM_007937	NM_007937	NM_007937	Mm.137919	13849	0	
A_66_P132657	<b>Epha6</b>	Eph receptor A6	1.13	2.19	3.07E-05	7.09E-04	NM_007938	NM_007938	NM_007938	Mm.455790	13800	ENSMUST00000086860	
A_52_P306236	<b>Epha7</b>	Eph receptor A7	0.86	1.82	6.34E-05	1.12E-03	NM_00112288	NM_00112288	NM_00112288	Mm.257266	13841	ENSMUST00000080934	
A_66_P130777	<b>Epha8</b>	Eph receptor B4	0.99	1.98	8.29E-05	1.33E-03	NM_00115957	NM_00115957	NM_00115957	Mm.34533	13846	ENSMUST00000144296	
A_55_P2124676	<b>Epm2aip1</b>	EPIM2A (afim) interacting protein 1	1.01	2.01	4.58E-06	2.30E-04	NM_175266	NM_175266	NM_175266	Mm.299005	77781	ENSMUST00000060711	
A_55_P2007640	<b>Eprs</b>	glutamyl-prolyl-HRNA synthetase	1.56	2.96	1.32E-06	1.14E-04	NM_029735	NM_029735	NM_029735	Mm.154511	107508	ENSMUST00000046514	
A_55_P1982454	<b>Eps8</b>	epidermal growth factor receptor pathway substrate 8	1.15	2.22	1.72E-06	1.30E-04	NM_007945	NM_007945	NM_007945	Mm.235346	13860	ENSMUST00000100841	
A_51_P104891	<b>Ept1</b>	ethanolaminephosphotransferase 1 (CDP-ethanolamine-spec	1.31	2.48	9.80E-07	9.96E-05	NM_027652	NM_027652	NM_027652	Mm.168854	28042	0	
A_52_P598912	<b>Erc1</b>	ELKS/RAB6-interacting/CAST family member 1	1.46	2.75	3.88E-06	2.10E-04	NM_178085	NM_178085	NM_178085	Mm.288610	111713	ENSMUST00000079582	
A_55_P2026530	<b>Erc2</b>	ELKS/RAB6-interacting/CAST family member 2	1.65	3.14	5.60E-07	7.79E-05	NM_177814	NM_177814	NM_177814	Mm.318004	238988	ENSMUST00000093002	
A_52_P26953	<b>Ergic2</b>	ERGIC and golgi 2	1.75	3.68	1.46E-04	1.94E-03	NM_026355	NM_026355	NM_026355	Mm.59812	67456	ENSMUST00000140311	
A_52_P354202	<b>Eri2</b>	exoribonuclease 2	0.70	1.63	9.11E-05	1.42E-03	NM_027698	NM_027698	NM_027698	Mm.274160	71151	ENSMUST00000133926	
A_55_P508920	<b>Eriec1</b>	endoplasmic reticulum lectin 1	0.72	1.65	8.71E-05	1.38E-03	NM_025745	NM_025745	NM_025745	Mm.294641	66753	0	
A_52_P618745	<b>Ermp1</b>	endoplasmic reticulum metallopeptidase 1	1.51	2.84	2.53E-05	6.31E-04	NM_00108121	NM_00108121	NM_00108121	Mm.267131	226950	ENSMUST00000054083	
A_55_P216105	<b>Erfri1</b>	ERBB receptor feedback inhibitor 1	0.74	1.67	1.07E-04	1.58E-03	NM_133753	NM_133753	NM_133753	Mm.318841	74160	ENSMUST00000073600	
A_55_P2101806	<b>Esf1</b>	ESF1, nucleolar pre-RNA processing protein, homolog (S. ce	1.00	2.00	5.25E-05	9.95E-04	NM_00108105	NM_00108105	NM_00108105	Mm.21228	66580	ENSMUST00000046030	
A_65_P19089	<b>Esrsg</b>	estrogen-related receptor gamma	0.94	1.92	9.52E-05	1.47E-03	NM_00124375	NM_00124375	NM_00124375	Mm.89989	62681	ENSMUST00000027906	
A_52_P658122	<b>Ets2</b>	E26 avian leukemia oncogene 2, 3' domain	0.74	1.67	1.69E-05	4.96E-04	NM_011809	NM_011809	NM_011809	Mm.290207	23872	ENSMUST00000023612	
A_55_P1971498	<b>Exoc1</b>	exocyst complex component 1	1.03	2.04	2.57E-06	1.63E-04	NM_027270	NM_027270	NM_027270	Mm.403233	69940	ENSMUST00000087133	
A_55_P2037101	<b>Exoc2</b>	exocyst complex component 2	0.97	1.96	6.90E-06	2.95E-04	NM_025588	NM_025588	NM_025588	Mm.293510	66482	ENSMUST00000102946	
A_52_P44030	<b>Exoc3</b>	exocyst complex component 3	1.03	2.05	1.50E-05	4.65E-04	NM_177333	NM_177333	NM_177333	Mm.489612	211486	ENSMUST00000035934	
A_55_P2087518	<b>Exoc8</b>	exocyst complex component 8	0.53	1.44	1.27E-04	1.78E-03	NM_198103	NM_198103	NM_198103	Mm.347360	102058	ENSMUST00000098312	
A_51_P391825	<b>Exoc10</b>	exosome component 10	1.61	3.13	2.02E-05	5.54E-04	NM_016699	NM_016699	NM_016699	Mm.266635	50912	ENSMUST00000173154	
A_52_P496260	<b>Exoc8</b>	exosome component 8	0.73	1.66	1.90E-05	5.34E-04	NM_027148	NM_027148	NM_027148	Mm.29253	69439	ENSMUST00000134892	
A_55_P2186125	<b>F13a1</b>	coagulation factor XIII, A1 subunit	0.73	1.66	6.18E-05	1.10E-03	NM_028784	NM_028784	NM_028784	Mm.235105	74155	ENSMUST00000037491	
A_52_P678183	<b>Faf1</b>	Fas-associated factor family member 2	0.76	1.70	6.64E-05	1.15E-03	NM_007983	NM_007983	NM_007983	Mm.316259	14084	ENSMUST00000012724	
A_51_P255193	<b>Faf2</b>	Fas associated factor family member 2	1.70	3.40	1.48E-04	1.95E-03	NM_178397	NM_178397	NM_178397	Mm.194459	76577	ENSMUST00000128071	
A_51_P157982	<b>Fam115a</b>	family with sequence similarity 115, member A	0.56	2.94	2.35E-05	6.03E-04	NM_029930	NM_029930	NM_029930	Mm.24652	71758	ENSMUST00000121083	
A_55_P2079142	<b>Fam124b</b>	family with sequence similarity 124, member B	1.13	2.19	1.15E-05	3.97E-04	NM_173425	NM_173425	NM_173425	Mm.145511	241128	ENSMUST00000056748	
A_55_P2083489	<b>Fam129a</b>	family with sequence similarity 129, member A	0.84	1.80	3.52E-06	1.98E-04	NM_022018	NM_022018	NM_022018	Mm.482559	63913	ENSMUST00000095741	
A_51_P428578	<b>Fam134b</b>	family with sequence similarity 134, member B	0.86	1.82	1.16E-04	1.67E-03	NM_025459	NM_025459	NM_025459	Mm.25311	66270	ENSMUST00000110438	
A_51_P329966	<b>Fam13a</b>	family with sequence similarity 13, member A	0.89	1.85	2.35E-05	6.03E-04	NM_153574	NM_153574	NM_153574	Mm.68173	58909	ENSMUST00000089860	
A_52_P561377	<b>Fam160b1</b>	family with sequence similarity 160, member B1	0.69	1.61	1.18E-04	1.69E-03	NM_145505	NM_145505	NM_145505	Mm.358870	226252	ENSMUST00000036407	
A_51_P103594	<b>Fam162b</b>	family with sequence similarity 162, member B	0.62	1.54	1.07E-04	1.58E-03	NM_029894	NM_029894	NM_029894	Mm.30588	77266	ENSMUST00000020064	
A_55_P2067091	<b>Fam179b</b>	family with sequence similarity 179, member B	0.73	1.66	3.24E-05	7.30E-04	NM_177805	NM_177805	NM_177805	Mm.138465	62818	ENSMUST00000066296	
A_52_P572473	<b>Fam184b</b>	family with sequence similarity 184, member B	1.34	2.53	1.27E-07	3.94E-05	NM_021416	NM_021416	NM_021416	Mm.264666	32207	ENSMUST00000016023	
A_55_P1959331	<b>Fam193a</b>	family with sequence similarity 193, member A	1.03	2.04	4.10E-05	8.45E-04	NM_00124312	NM_00124312	NM_00124312	Mm.288524	33		

A_51_P398723	<b>Flt1</b>	FMS-like tyrosine kinase 1	1,10	2,15	1,05E-05	3,79E-04	NM_010228	NM_010228	NM_010228	Mm.389712	14254	ENSMUST00000031653
A_55_P2005426	<b>Fmn2</b>	formin 2	1,67	3,18	9,28E-07	9,75E-05	NM_019445	NM_019445	NM_019445	Mm.330620	54418	ENSMUST00000030039
A_55_P2153783	<b>Fmo1</b>	flavin containing monooxygenase 1	0,91	1,88	4,97E-05	9,60E-04	NM_010231	NM_010231	NM_010231	Mm.975	14261	ENSMUST00000011058
A_55_P2183110	<b>Fmr1</b>	fragile X mental retardation syndrome 1	0,92	1,90	3,83E-05	8,09E-04	NM_008031	NM_008031	NM_008031	Mm.3451	14265	ENSMUST00000014284
A_55_P2130178	<b>Fn1</b>	fibronectin 1	2,52	5,73	1,06E-04	1,18E-05	NM_010233	NM_010233	NM_010233	Mm.193099	14268	ENSMUST00000052626
A_55_P1989519	<b>Fndc1</b>	fibronectin type III domain containing 1	1,31	2,48	1,44E-04	1,93E-03	NM_0108141NM_0108141	NM_0108141	NM_0108141	Mm.379161	14655	ENSMUST00000097425
A_52_P33800	<b>Fndc3a</b>	fibronectin type III domain containing 3A	0,49	1,40	1,29E-04	1,79E-03	NM_207636	NM_207636	NM_207636	Mm.205421	319448	ENSMUST00000089017
A_55_P20091836	<b>Fnip1</b>	folliculin interacting protein 1	0,93	1,91	2,12E-05	5,71E-04	NM_173753	NM_173753	NM_173753	Mm.34087	216742	ENSMUST00000046835
A_52_P235479	<b>Fnb1</b>	farnesyltransferase, CAAX box, beta	0,72	1,65	9,08E-05	1,42E-03	NM_145927	NM_145927	NM_145927	Mm.151174	110606	ENSMUST000000041008
A_55_P2081349	<b>Focad</b>	focadhesin	0,65	1,57	1,20E-04	1,71E-03	NM_0108118NM_0108118	NM_0108118	NM_0108118	Mm.287210	230393	ENSMUST00000097992
A_51_P229886	<b>Fpgt</b>	fructose-1-phosphate guanylyltransferase	0,71	1,64	1,26E-04	1,76E-03	NM_029330	NM_029330	NM_029330	Mm.35218	75540	ENSMUST00000066568
A_51_P383270	<b>Fras1</b>	Fraser syndrome 1 homolog (human)	1,08	2,12	1,14E-06	1,06E-04	NM_175473	NM_175473	NM_175473	Mm.291120	231470	ENSMUST00000036019
A_55_P20097869	<b>Frem2</b>	Fras 1 related extracellular matrix protein 2	0,83	1,78	4,20E-05	8,60E-04	NM_172862	NM_172862	NM_172862	Mm.38378	242022	ENSMUST00000091137
A_55_P2030383	<b>Frm4a</b>	FERM domain containing 4A	0,83	1,78	1,41E-04	1,90E-03	NM_00117784NM_00117784	NM_00117784	NM_00117784	Mm.37932	209630	ENSMUST00000075767
A_51_P463401	<b>Fry</b>	furry homolog (Drosophila)	1,90	3,74	6,24E-04	2,80E-04	NM_172887	NM_172887	NM_172887	Mm.216590	320365	ENSMUST00000087204
A_55_P2289819	<b>Fryl</b>	furry homolog-like (Drosophila)	0,88	1,84	9,94E-05	1,51E-03	NM_028194	NM_028194	NM_028194	Mm.490279	72321	ENSMUST00000094700
A_52_P568235	<b>Fstl5</b>	folistatin-like 5	1,11	2,15	5,83E-07	7,93E-05	NM_178673	NM_178673	NM_178673	Mm.490527	212613	ENSMUST00000038364
A_55_P2043837	<b>Ftsjd2</b>	FtsJ methyltransferase domain containing 2	0,76	1,70	4,33E-05	8,79E-04	NM_028791	NM_028791	NM_028791	Mm.475060	74157	ENSMUST00000130871
A_52_P513842	<b>Fubp1</b>	fur upstream element (FUSE) binding protein 1	0,77	1,70	1,24E-04	1,74E-03	NM_057172	NM_057172	NM_057172	Mm.278922	51886	ENSMUST00000106121
A_55_P2017183	<b>Fuk</b>	fucosyltransferase 8	0,78	1,72	2,86E-05	6,77E-04	NM_172283	NM_172283	NM_172283	Mm.102591	234730	ENSMUST000000041382
A_66_P124755	<b>Fut8</b>	fucosyltransferase 8	0,55	1,46	1,45E-04	1,93E-03	NM_00125261NM_00125261	NM_00125261	NM_00125261	Mm.35628	53618	ENSMUST00000017595
A_51_P412223	<b>Fv1</b>	Friend virus susceptibility 1	0,58	1,50	1,28E-04	1,78E-03	NM_010244	NM_010244	NM_010244	Mm.426207	14349	ENSMUST000000094481
A_55_P2069415	<b>Fxr1</b>	fragile X mental retardation gene 1, autosomal homolog	0,92	1,89	2,70E-05	6,56E-04	NM_008053	NM_008053	NM_008053	Mm.259021	14359	ENSMUST000000167354
A_51_P142107	<b>Fzd7</b>	fizzled homolog 7 (Drosophila)	0,86	1,81	2,37E-05	6,05E-04	NM_008057	NM_008057	NM_008057	Mm.297906	14369	ENSMUST000000114246
A_55_P1963309	<b>G3bp1</b>	Ras-GTPase-activating protein SH3-domain binding protein 1	0,88	1,84	6,86E-06	2,94E-04	NM_013716	NM_013716	NM_013716	Mm.381209	27041	ENSMUST00000018727
A_52_P556281	<b>G3bp2</b>	GTPase activating protein (SH3 domain) binding protein 2	1,08	2,12	1,32E-05	4,30E-04	NM_00108075NM_00108075	NM_00108075	NM_00108075	Mm.290530	23881	ENSMUST00000113127
A_55_P2024439	<b>Gaa</b>	glucosidase, alpha, acid	1,41	2,65	8,25E-06	3,29E-04	NM_008064	NM_008064	NM_008064	Mm.4793	14387	ENSMUST000000128753
A_55_P2082135	<b>Gabbr1</b>	gamma-aminobutyric acid (GABA) B receptor, 1	0,91	1,88	6,22E-05	1,11E-03	NM_019439	NM_019439	NM_019439	Mm.32191	54393	ENSMUST00000138233
A_66_P118170	<b>Gabrg1</b>	gamma-aminobutyric acid (GABA) A receptor, subunit gamma	0,98	1,98	1,13E-04	1,64E-03	NM_010252	NM_010252	NM_010252	Mm.255922	14405	ENSMUST00000031119
A_55_P1965694	<b>Gabrg2</b>	gamma-aminobutyric acid (GABA) A receptor, subunit gamma	0,83	1,78	1,47E-04	1,95E-03	NM_008073	NM_008073	NM_008073	Mm.5309	14405	ENSMUST00000109292
A_52_P144310	<b>Gad1</b>	glutamate decarboxylase 1	1,24	2,37	3,20E-06	1,87E-04	NM_008077	NM_008077	NM_008077	Mm.271210	14416	ENSMUST00000104078
A_51_P495462	<b>Gad2</b>	glutamic acid decarboxylase 2	1,04	2,06	4,14E-06	2,17E-04	NM_008078	NM_008078	NM_008078	Mm.4784	14417	ENSMUST00000028123
A_55_P2050083	<b>Gak</b>	cyclin G associated kinase	0,75	1,68	7,41E-05	1,24E-03	NM_153569	NM_153569	NM_153569	Mm.276647	231580	ENSMUST00000145647
A_55_P2048210	<b>Ganab</b>	alpha glucosidase 2 alpha neutral subunit	0,91	1,88	6,23E-05	1,11E-03	NM_008060	NM_008060	NM_008060	Mm.3196	14376	ENSMUST00000096246
A_55_P2037425	<b>Gapdh</b>	glyceraldehyde-3-phosphate dehydrogenase	0,63	1,54	4,98E-05	9,61E-04	NM_008084	NM_008084	NM_008084	Mm.343110	14433	ENSMUST00000118875
A_51_P326393	<b>Gapv1</b>	GTPase activating protein and VPS9 domains 1	1,40	2,65	2,03E-07	4,69E-05	NM_025709	NM_025709	NM_025709	Mm.156452	66691	ENSMUST00000130399
A_51_P436201	<b>Gart</b>	phosphoribosylglycylamide formyltransferase	1,63	3,09	2,12E-07	4,78E-05	NM_010256	NM_010256	NM_010256	Mm.4905	14450	ENSMUST000000167354
A_55_P1990483	<b>Gas2l1</b>	growth arrest-specific 2 like 1	0,93	1,90	6,40E-06	2,84E-04	NM_144560	NM_144560	NM_144560	Mm.44591	78926	ENSMUST000000537146
A_55_P2064676	<b>Gas2l3</b>	growth arrest-specific 2 like 3	1,34	2,53	1,53E-06	1,22E-04	AK171905	0	AK171905	Mm.11982	237436	0
A_55_P2377527	<b>Gbfl1</b>	golgi-arrest-brefeldin A-resistance factor 1	1,59	3,01	1,50E-06	1,21E-04	NM_178930	NM_178930	NM_178930	Mm.271620	107338	ENSMUST00000177406
A_51_P463860	<b>Gbp7</b>	guanylate binding protein 7	0,76	1,69	3,31E-05	7,40E-04	NM_145545	NM_145545	NM_145545	Mm.45740	229900	ENSMUST00000040597
A_52_P3361669	<b>Gcc2</b>	GRIP and coiled-coil domain containing 2	1,16	2,24	1,07E-05	3,81E-04	NM_027375	NM_027375	NM_027375	Mm.5531	70297	ENSMUST00000162965
A_55_P2169714	<b>Gcn11</b>	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	1,23	2,34	4,56E-06	2,29E-04	NM_172719	NM_172719	NM_172719	Mm.153014	231659	ENSMUST00000064454
A_55_P2154242	<b>Gfpt1</b>	glutamine fructose-6-phosphate transaminase 1	0,75	1,68	1,00E-04	1,51E-03	NM_013528	NM_013528	NM_013528	Mm.19893	14583	0
A_55_P1997465	<b>Ggnb1p</b>	gametogonin binding protein 1	0,98	1,97	2,70E-06	1,68E-04	NM_027544	NM_027544	NM_027544	Mm.440437	70772	ENSMUST00000133257
A_55_P2061381	<b>Ghitm</b>	growth hormone inducible transmembrane protein	0,87	1,82	1,32E-04	1,82E-03	NM_00119912NM_00119912	NM_00119912	NM_00119912	Mm.182912	66092	ENSMUST00000042564
A_55_P2039712	<b>Gigy2f</b>	GRB10 interacting GYF protein 2	1,01	2,01	8,69E-06	3,39E-04	NM_146112	NM_146112	NM_146112	Mm.23065	227331	ENSMUST00000027475
A_52_P174915	<b>Gja1</b>	gap junction protein, alpha 1	1,33	2,52	2,76E-05	6,64E-04	NM_010288	NM_010288	NM_010288	Mm.378921	14609	ENSMUST00000068581
A_66_P105564	<b>Gjc2</b>	gap junction protein, gamma 2	1,12	2,17	7,03E-06	2,99E-04	NM_175452	NM_175452	NM_175452	Mm.400116	118454	ENSMUST00000108793
A_51_P337543	<b>Gice</b>	glycyl prolyl C-epimerase	0,69	1,62	3,95E-05	8,26E-04	NM_033320	NM_033320	NM_033320	Mm.24411	93683	ENSMUST00000034785
A_51_P260548	<b>Gig1</b>	golgi apparatus protein 1	0,72	1,65	1,07E-04	1,58E-03	NM_009149	NM_009149	NM_009149	Mm.276271	20340	ENSMUST00000164283
A_52_P357829	<b>Glil2</b>	GLL-Kruppel family member GLI2	1,17	2,24	2,07E-05	5,61E-04	NM_0108112NM_0108112	NM_0108112	NM_0108112	Mm.273292	14633	ENSMUST00000062483
A_66_P133520	<b>Glnn</b>	glomulin, FKBP associated protein	0,77	1,71	4,75E-05	9,39E-04	NM_133248	NM_133248	NM_133248	Mm.41417	170823	ENSMUST00000124546
A_51_P445532	<b>Gira1</b>	glycine receptor, alpha 1 subunit	0,63	1,55	8,49E-05	1,36E-03	NM_020492	NM_020492	NM_020492	Mm.89320	14654	ENSMUST00000102716
A_55_P2108171	<b>Glud1</b>	glutamate dehydrogenase 1	0,78	1,71	1,51E-05	4,66E-04	NM_008133	NM_008133	NM_008133	Mm.10800	14661	ENSMUST00000023232
A_51_P133060	<b>Glyr1</b>	glyoxylate reductase 1 homolog (Arabidopsis)	0,88	1,84	2,75E-05	6,63E-04	NM_00107981NM_00107981	NM_00107981	NM_00107981	Mm.21652	74022	ENSMUST00000115844
A_51_P276939	<b>Gmp1</b>	Gem-interacting protein	0,82	1,77	5,18E-05	9,86E-04	NM_198101	NM_198101	NM_198101	Mm.324305	78016	ENSMUST00000036074
A_51_P430257	<b>Gmpr2</b>	guanosine monophosphate reductase 2	0,99	1,98	3,09E-05	7,10E-04	NM_177992	NM_177992	NM_177992	Mm.390685	105446	ENSMUST00000023997
A_52_P47255	<b>Gmps</b>	guanine monophosphate synthetase	1,09	2,14	1,68E-05	4,94E-04	NM_00103330NM_00103330	NM_00103330	NM_00103330	Mm.310151	239633	ENSMUST000000029405
A_55_P2041784	<b>Gna13</b>	guanine nucleotide binding protein, alpha 13	0,78	1,71	5,05E-06	2,44E-04	NM_010303	NM_010303	NM_010303	Mm.193925	14678	ENSMUST00000020930
A_52_P304858	<b>Gnb1</b>	guanine nucleotide binding protein (G protein), beta 1	0,90	1,87	9,89E-05	1,51E-03	NM_008142	NM_008142	NM_008142	Mm.2344	14684	ENSMUST00000176337
A_55_P1964053	<b>Golg4a</b>	golgi autoantigen, golgin subfamily a, 4	1,28	2,42	1,48E-07	4,18E-05	NM_018748	NM_018748	NM_018748	Mm.10409	54214	ENSMUST00000084820
A_55_P2051859	<b>Golg1b</b>	golgi autoantigen, golgin subfamily b, macrogolgin 1	1,13	2,18	3,28E-06	1,90E-04	NM_030035	NM_030035	NM_030035	Mm.244815	224139	ENSMUST00000039855
A_55_P2138041	<b>Gon4l</b>	gon-4-like (C.elegans)	0,91	1,87	1,63E-05	4,87E-04	NM_00124237NM_00124237	NM_00124237	NM_00124237	Mm.126870	76022	ENSMUST00000090942
A_55_P20212296	<b>Gopc</b>	golgi-associated PDZ and coiled-coil motif containing	0,72	1,65	4,91E-06	2,40E-04	NM_00119927NM_00119927	NM_00119927	NM_00119927	Mm.390258	94221	ENSMUST00000105475
A_51_P167374	<b>Gpatch1</b>	G patch domain containing 1	0,59	1,51	1,41E-04							



A_51_P484998	<b>Hgf</b>	hepatocyte growth factor	0.90	1.87	2.05E-04	5.59E-04	NM_010427	NM_010427	NM_010427	Mm.267078	15234	ENSMUST0000030683
A_51_P1969276	<b>Hhip</b>	Hedgehog-interacting protein	1.17	2.25	1.19E-05	4.02E-04	NM_020259	NM_020259	NM_020259	Mm.254493	15245	ENSMUST0000007908
A_51_P2317001	<b>Hhip1f</b>	hedgehog interacting protein-like 1	1.25	2.38	5.21E-07	7.45E-05	NM_00104438	NM_00104438	NM_00104438	Mm.36423	214305	ENSMUST00000021685
A_51_P337608	<b>Hifta</b>	hypoxia inducible factor 1, alpha subunit	1.23	2.34	3.19E-05	7.25E-04	NM_010431	NM_010431	NM_010431	Mm.3879	15251	ENSMUST00000021530
A_51_P166023	<b>Hip1</b>	huntingtin interacting protein 1	0.90	1.86	3.18E-06	1.86E-04	NM_146001	NM_146001	NM_146001	Mm.280805	215114	ENSMUST00000060311
A_51_P440460	<b>Hip1r</b>	huntingtin interacting protein 1 related	1.12	2.18	4.90E-07	7.25E-05	NM_145070	NM_145070	NM_145070	Mm.149954	29816	ENSMUST00000009039
A_51_P2091861	<b>Hipk2</b>	homeodomain interacting protein kinase 2	0.87	1.82	1.13E-04	1.64E-03	NM_00113606	NM_00113606	NM_00113606	Mm.23790	15258	ENSMUST00000114855
A_51_P2218843	<b>Hkl1</b>	hexokinase 1	1.36	2.56	2.10E-05	6.69E-04	NM_00114610	NM_00114610	NM_00114610	Mm.196605	15275	ENSMUST00000072357
A_51_P204080	<b>Hk2</b>	hexokinase 2	0.57	1.49	4.37E-05	8.84E-04	NM_013820	NM_013820	NM_013820	Mm.255848	15277	ENSMUST00000168725
A_51_P532033	<b>Hlif</b>	helicase-like transcription factor	1.08	2.11	9.13E-07	9.69E-05	NM_009210	NM_009210	NM_009210	Mm.209650	20585	ENSMUST00000145853
A_51_P137371	<b>Hmgcr</b>	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	1.59	3.00	2.35E-06	1.56E-04	NM_008255	NM_008255	NM_008255	Mm.316652	15357	ENSMUST00000022176
A_51_P08022	<b>Hnmpk</b>	heterogeneous nuclear ribonucleoprotein K	1.03	2.05	2.21E-05	5.85E-04	ENSMUST0000	AK207611	NM_142872	Mm.334464	320191	ENSMUST00000176359
A_51_P176387	<b>Hook3</b>	hook homolog 3 (Drosophila)	0.95	1.93	5.52E-05	1.03E-03	NM_207659	NM_207659	NM_207659	Mm.334464	320191	ENSMUST00000037182
A_51_P243599	<b>Hsd17b12</b>	hydroxysteroid (17-beta) dehydrogenase 12	1.27	2.42	5.04E-06	2.44E-04	NM_019657	NM_019657	NM_019657	Mm.489651	15348	ENSMUST00000146580
A_51_P445662	<b>Hsd17b4</b>	hydroxysteroid (17-beta) dehydrogenase 4	1.61	3.05	7.12E-08	2.82E-05	NM_008292	NM_008292	NM_008292	Mm.277857	15648	ENSMUST00000025385
A_51_P153557	<b>Hspa12a</b>	heat shock protein 12A	1.18	2.26	8.69E-05	1.38E-03	NM_175199	NM_175199	NM_175199	Mm.39739	73442	ENSMUST00000066285
A_51_P2080151	<b>Hspa2</b>	heat shock protein 2	0.99	1.99	1.12E-05	3.91E-04	NM_008301	NM_008301	NM_008301	Mm.296181	15512	ENSMUST00000080449
A_51_P2054157	<b>Hspa4</b>	heat shock protein 4	0.96	1.94	4.11E-06	2.16E-04	NM_008300	NM_008300	NM_008300	Mm.239865	15525	ENSMUST00000020630
A_51_P2173737	<b>Hspa4l</b>	heat shock protein 4 like	0.73	1.66	1.22E-04	1.73E-03	NM_011020	NM_011020	NM_011020	Mm.39330	18415	ENSMUST00000077083
A_51_P195648	<b>Hspg2</b>	heparan (heparan sulfate proteoglycan 2)	1.54	2.90	4.07E-06	2.15E-04	NM_008305	NM_008305	NM_008305	Mm.273662	15530	ENSMUST00000155648
A_51_P2003513	<b>Hsp1h</b>	heat shock 105kDa/110kDa protein 1	1.75	3.37	4.61E-08	2.71E-05	NM_013559	NM_013559	NM_013559	Mm.270681	15505	ENSMUST00000076410
A_51_P120995	<b>Htr2a</b>	5-hydroxytryptamine (serotonin) receptor 2A	0.82	1.76	7.26E-05	1.22E-03	NM_172812	NM_172812	NM_172812	Mm.214351	15558	ENSMUST00000036653
A_51_P1977503	<b>Htr2c</b>	5-hydroxytryptamine (serotonin) receptor 2C	1.20	2.30	6.98E-07	8.61E-05	NM_008312	NM_008312	NM_008312	Mm.439670	15560	ENSMUST00000036303
A_51_P581594	<b>Htr4</b>	5-hydroxytryptamine (serotonin) receptor 4	1.10	2.15	5.95E-06	2.72E-04	NM_008313	NM_008313	NM_008313	Mm.20440	15562	ENSMUST00000027560
A_51_P322115	<b>Htr5b</b>	5-hydroxytryptamine (serotonin) receptor 5B	0.82	1.76	3.21E-05	7.27E-04	NM_010483	NM_010483	NM_010483	Mm.4833	15564	ENSMUST00000055884
A_51_P225224	<b>Htra1</b>	HtrA serine peptidase 1	0.70	1.62	3.91E-05	8.19E-04	NM_019564	NM_019564	NM_019564	Mm.30156	56213	ENSMUST00000006367
A_51_P2088530	<b>Htt</b>	huntingtin	1.10	2.15	1.96E-06	1.40E-04	NM_010414	NM_010414	NM_010414	Mm.209071	15194	ENSMUST00000080306
A_51_P200617	<b>Iars</b>	isoleucine-tRNA synthetase	1.29	2.44	2.66E-06	1.66E-04	NM_172015	NM_172015	NM_172015	Mm.21118	105148	ENSMUST00000165316
A_51_P613241	<b>Icam1</b>	intercellular adhesion molecule 1	0.70	1.63	2.02E-05	5.55E-04	NM_010493	NM_010493	NM_010493	Mm.435508	15894	ENSMUST00000086399
A_51_P132978	<b>Icdh1</b>	isocitrate dehydrogenase 1 (NADP+), soluble	1.16	2.23	1.87E-05	5.28E-04	NM_010497	NM_010497	NM_010497	Mm.9925	15926	ENSMUST00000169032
A_51_P130110	<b>Icdh3b</b>	isocitrate dehydrogenase 3 (NAD+) beta	0.64	1.56	1.07E-04	1.58E-03	NM_130884	NM_130884	NM_130884	Mm.29590	170718	ENSMUST00000028892
A_51_P221856	<b>Ier5l</b>	immediate early response 5-like	0.56	1.48	1.08E-04	1.59E-03	NM_030244	NM_030244	NM_030244	Mm.295464	72500	0
A_51_P2009187	<b>Iifo1</b>	intermediate filament family orphan 1	0.55	1.57	1.35E-05	4.36E-04	NM_00103966	NM_00103966	NM_00103966	Mm.129415	320678	ENSMUST00000117675
A_51_P490305	<b>Iifo30</b>	interferon gamma inducible protein 30	0.80	1.74	2.20E-05	5.84E-04	NM_023065	NM_023065	NM_023065	Mm.20411	65972	ENSMUST00000034299
A_51_P190405	<b>Iifar2</b>	interferon (alpha and beta) receptor 2	0.88	1.84	1.51E-04	1.98E-03	NM_010509	NM_010509	NM_010509	Mm.6834	15976	ENSMUST00000117836
A_51_P456857	<b>Iift122</b>	intracellular transport 122	0.76	1.69	8.98E-05	1.41E-03	NM_031177	NM_031177	NM_031177	Mm.333335	18196	ENSMUST00000036234
A_51_P330144	<b>Iift140</b>	intracellular transport 140	1.19	2.27	1.47E-05	4.60E-04	NM_134126	NM_134126	NM_134126	Mm.32802	106633	ENSMUST00000013786
A_51_P509906	<b>Iift172</b>	intracellular transport 172	1.97	3.93	1.56E-08	1.37E-05	NM_026298	NM_026298	NM_026298	Mm.293023	67661	ENSMUST00000041565
A_51_P459929	<b>Iift81</b>	intracellular transport 81	0.71	1.63	4.20E-05	8.59E-04	NM_009879	NM_009879	NM_009879	Mm.10125	12589	ENSMUST00000135956
A_51_P125467	<b>Iif2r</b>	insulin-like growth factor 2 receptor	1.00	2.00	1.54E-05	4.72E-04	NM_010515	NM_010515	NM_010515	Mm.26553	16004	ENSMUST00000024599
A_51_P2018611	<b>Iigfbp7</b>	insulin-like growth factor binding protein 7	0.92	1.89	1.00E-05	3.68E-04	NM_00115951	NM_00115951	NM_00115951	Mm.233470	29817	ENSMUST00000163898
A_51_P1975396	<b>Iighmp2</b>	immunoglobulin mu binding protein 2	0.67	1.59	6.71E-05	1.16E-03	NM_009212	NM_009212	NM_009212	Mm.3179	20589	ENSMUST00000025751
A_51_P509864	<b>Iigsf1</b>	immunoglobulin superfamily, member 1	1.25	2.38	1.71E-06	1.30E-04	NM_177591	NM_177591	NM_177591	Mm.110505	209268	ENSMUST00000033442
A_51_P2157902	<b>Iigsf10</b>	immunoglobulin superfamily, member 10	0.97	1.96	2.11E-05	5.70E-04	NM_00116288	NM_00116288	NM_00116288	Mm.228086	240250	ENSMUST00000039419
A_51_P327632	<b>Iigsf3</b>	immunoglobulin superfamily, member 3	0.65	1.57	1.14E-04	1.66E-03	NM_207205	NM_207205	NM_207205	Mm.489667	78908	ENSMUST00000043983
A_51_P231687	<b>Ik</b>	IK cytokine	0.78	1.72	2.79E-05	6.69E-04	NM_011879	NM_011879	NM_011879	Mm.30234	24010	ENSMUST0000007042
A_51_P114878	<b>Ikbkap</b>	inhibitor of kappa light polypeptide enhancer in B cells, kinase	1.02	2.02	5.49E-06	2.58E-04	NM_026079	NM_026079	NM_026079	Mm.282743	203233	ENSMUST00000150002
A_51_P1970489	<b>Ilf2rb2</b>	interleukin 12 receptor, beta 2	1.29	2.44	1.69E-06	1.30E-04	NM_008354	NM_008354	NM_008354	Mm.188337	16162	ENSMUST00000018485
A_51_P2030552	<b>Ilf1f10</b>	interleukin 1 family, member 10	0.73	1.66	6.89E-06	2.95E-04	NM_153077	NM_153077	NM_153077	Mm.218750	215274	ENSMUST00000080566
A_51_P113749	<b>Ilf2rg</b>	interleukin 2 receptor, gamma chain	0.69	1.62	7.91E-05	1.29E-03	NM_013563	NM_013563	NM_013563	Mm.2923	16186	ENSMUST00000033664
A_51_P473888	<b>Ilf6st</b>	interleukin 6 signal transducer	0.76	1.70	6.21E-05	1.11E-03	NM_010560	NM_010560	NM_010560	Mm.4364	16195	ENSMUST00000070731
A_51_P117109	<b>Ilvb1</b>	ilvB (bacterial acetylactate synthase)-like	0.96	1.95	1.59E-05	4.81E-04	NM_173751	NM_173751	NM_173751	Mm.2644	261136	ENSMUST00000105384
A_51_P458852	<b>Ina</b>	interneuron neuronal intermediate filament protein, alpha	0.92	1.90	7.43E-05	1.24E-03	ENSMUST0000	BU053129	NM_414453	Mm.226180	226180	ENSMUST00000037636
A_51_P202054	<b>Incentp</b>	inner centromere protein	0.92	1.92	3.66E-05	7.85E-04	NM_016692	NM_016692	NM_016692	Mm.29755	16319	ENSMUST00000025562
A_51_P239750	<b>Inhba</b>	inhibin beta-A	0.86	1.82	4.30E-05	8.74E-04	NM_008380	NM_008380	NM_008380	Mm.8042	16323	ENSMUST00000042603
A_51_P104554	<b>Inpp1</b>	inositol polyphosphate-1-phosphatase	0.61	1.53	1.16E-04	1.67E-03	NM_008384	NM_008384	NM_008384	Mm.9117	16329	ENSMUST00000177279
A_51_P2129826	<b>Inpp5f</b>	inositol polyphosphate-5-phosphatase F	0.76	1.62	1.09E-04	1.60E-03	NM_178641	NM_178641	NM_178641	Mm.490344	101490	ENSMUST00000029085
A_51_P439452	<b>Insig2</b>	insulin induced gene 2	1.06	2.08	3.98E-06	3.55E-04	NM_133748	NM_133748	NM_133748	Mm.27136	76399	ENSMUST00000003818
A_51_P2172566	<b>Insr</b>	insulin receptor	1.30	2.46	3.94E-07	6.55E-05	NM_010568	NM_010568	NM_010568	Mm.268003	12357	ENSMUST00000091291
A_51_P295708	<b>Ints1</b>	integrator complex subunit 1	1.31	2.48	4.78E-06	2.36E-04	NM_026748	NM_026748	NM_026748	Mm.292942	68510	ENSMUST00000072607
A_51_P284793	<b>Ints12</b>	integrator complex subunit 12	1.43	2.69	2.05E-06	1.44E-04	NM_027927	NM_027927	NM_027927	Mm.246726	71793	ENSMUST00000029650
A_51_P2254276	<b>Ints2</b>	integrator complex subunit 2	1.41	2.66	1.21E-06	1.10E-04	NM_027421	NM_027421	NM_027421	Mm.440906	70422	ENSMUST00000134883
A_51_P121252	<b>Ints4</b>	integrator complex subunit 4	1.75	3.36	5.21E-08	2.43E-05	NM_002756	NM_002756	NM_002756	Mm.27383	10861	ENSMUST00000052126
A_51_P103718	<b>Ipk6k1</b>	inositol hexaphosphate kinase 1	0.65	1.57	1.37E-04	1.86E-03	NM_013785	NM_013785	NM_013785	Mm.276155	27399	ENSMUST00000035214
A_51_P588881	<b>Iqgap3</b>	IQ motif containing GTPase activating protein 3	1.42	2.68	3.13E-07	6.03E-05	NM_00103348	NM_00103348	NM_00103348	Mm.31133	404710	ENSMUST00000071812
A_51_P2052416	<b>Iqsec1</b>	IQ motif and Sec7 domain 1	0.77	1.70	1.44E-04	1.93E-03	NM_00113438	NM_00113438	NM_00113438	Mm.196943	232227	ENSMUST00000101151
A_51_P175242	<b>Irs1</b>	insulin receptor substrate 1	0.76									

A_51_P316553	<b>Kdr</b>	kinase insert domain protein receptor	1,15	2,22	6,41E-04	2,85E-04	NM_010612	NM_010612	NM_010612	Mm.285	16542	ENSMUST00000113516
A_52_P641849	<b>Khynn</b>	KH and NYN domain containing	0,80	1,74	4,91E-05	9,55E-04	NM_027143	NM_027143	NM_027143	Mm.490360	219094	ENSMUST00000202831
A_55_P20282748	<b>Kidins220</b>	kinase D-interacting substrate 220	1,26	2,40	1,36E-06	1,17E-04	NM_00108137	NM_00108137	NM_00108137	Mm.250641	17480	ENSMUST00000066652
A_55_P2032449	<b>Kifta</b>	kinasin family member 1A	1,22	2,33	2,27E-06	1,52E-04	NM_008440	NM_008440	NM_008440	Mm.276408	67560	ENSMUST0000012958
A_55_P2058933	<b>Kiftb</b>	kinasin family member 1B	1,16	2,24	8,66E-05	1,38E-03	NM_207682	NM_207682	NM_207682	Mm.402933	16561	ENSMUST00000060537
A_51_P324287	<b>Kif23</b>	kinasin family member 23	1,17	2,26	9,95E-07	9,95E-05	NM_024245	NM_024245	NM_024245	Mm.259374	71879	ENSMUST00000034815
A_55_P2085556	<b>Kif26a</b>	kinasin family member 26A	0,75	1,68	3,09E-05	7,10E-04	NM_00109762	NM_00109762	NM_00109762	Mm.313104	668303	ENSMUST00000128402
A_51_P179258	<b>Kif26b</b>	kinasin family member 26B	0,92	1,90	6,70E-06	2,91E-04	NM_00116166	NM_00116166	NM_00116166	Mm.138659	269152	ENSMUST00000161017
A_51_P254805	<b>Kif4</b>	kinasin family member 4	0,81	1,75	1,37E-04	1,86E-03	NM_008446	NM_008446	NM_008446	Mm.383091	16571	ENSMUST00000048962
A_51_P107020	<b>Kif5a</b>	kinasin family member 5A	1,94	3,83	1,08E-06	1,03E-04	NM_00103900	NM_00103900	NM_00103900	Mm.30355	16572	ENSMUST00000099172
A_55_P2037478	<b>Kifap3</b>	kinasin-associated protein 3	0,90	1,86	1,79E-05	5,15E-04	NM_010629	NM_010629	NM_010629	Mm.4651	16579	ENSMUST00000077642
A_51_P114237	<b>Kifc3</b>	kinasin family member C3	0,75	1,69	4,08E-06	2,16E-04	NM_010631	NM_010631	NM_010631	Mm.378951	16582	ENSMUST00000169748
A_55_P128434	<b>Kit</b>	kit oncogene	0,82	1,76	9,76E-06	3,63E-04	NM_00112273	NM_00112273	NM_00112273	Mm.247073	16590	ENSMUST00000144270
A_52_P420663	<b>Kih11</b>	kelch-like 11	0,90	1,87	6,67E-06	2,90E-04	NM_172565	NM_172565	NM_172565	Mm.183320	217194	ENSMUST00000056665
A_55_P2455725	<b>Kihl20</b>	kelch-like 20	1,11	2,15	8,32E-07	9,30E-05	NM_00103948	NM_00103948	NM_00103948	Mm.255165	226541	ENSMUST00000117467
A_55_P2005285	<b>Kihl22</b>	kelch-like 22	0,84	1,80	5,98E-06	2,73E-04	NM_145479	NM_145479	NM_145479	Mm.282807	224023	ENSMUST00000117192
A_55_P1962284	<b>Kihl24</b>	kelch-like 24	1,09	2,13	4,58E-06	2,30E-04	NM_029436	NM_029436	NM_029436	Mm.485857	57583	ENSMUST00000023509
A_66_P111385	<b>Kihl28</b>	kelch-like 28	0,88	1,84	1,01E-05	5,19E-04	NM_025707	NM_025707	NM_025707	Mm.248678	66689	ENSMUST00000021331
A_55_P1981949	<b>Kihl5</b>	kelch-like 5	0,62	1,53	4,04E-05	8,38E-04	NM_175174	NM_175174	NM_175174	Mm.10281	71778	ENSMUST00000126692
A_51_P423008	<b>Kihl7</b>	kelch-like 7	0,96	1,94	1,19E-04	1,69E-03	NM_026448	NM_026448	NM_026448	Mm.273768	52323	ENSMUST00000030841
A_55_P2154714	<b>Kihl9</b>	kelch-like 9	0,95	1,94	1,36E-04	1,86E-03	NM_172871	NM_172871	NM_172871	Mm.260601	242521	ENSMUST00000094993
A_51_P176474	<b>Kndc1</b>	kinase non-catalytic C-lobe domain (KIND) containing 1	1,25	2,38	1,03E-05	3,73E-04	NM_177261	NM_177261	NM_177261	Mm.44442	76484	ENSMUST00000053445
A_55_P2078459	<b>Kpna2</b>	karyopherin (importin) alpha 2	1,02	2,03	4,76E-05	9,39E-04	NM_010655	NM_010655	NM_010655	Mm.12508	16647	ENSMUST00000086423
A_55_P2067895	<b>Krba1</b>	KRAB-A domain containing 1	0,72	1,65	8,05E-06	3,24E-04	NM_133922	NM_133922	NM_133922	Mm.107646	77827	ENSMUST00000114572
A_55_P2070940	<b>Krtap20-2</b>	keratin associated protein 20-2	0,80	1,74	9,39E-05	1,45E-03	NM_00116361	NM_00116361	NM_00116361	Mm.459837	622935	ENSMUST00000169954
A_66_P135018	<b>Krtap5-1</b>	keratin associated protein 5-1	0,59	1,51	1,25E-04	1,75E-03	NM_015808	NM_015808	NM_015808	Mm.389993	50774	ENSMUST00000106074
A_55_P2065199	<b>Krtap9-5</b>	keratin associated protein 9-5	0,63	1,55	2,50E-05	6,26E-04	NM_00108552	NM_00108552	NM_00108552	Mm.457964	435286	ENSMUST00000105052
A_55_P2102857	<b>Krtcap3</b>	keratinocyte associated protein 3	1,20	2,30	4,13E-06	2,16E-04	NM_027221	NM_027221	NM_027221	Mm.386909	69815	ENSMUST00000054829
A_55_P2008681	<b>Ktn1</b>	kinectin 1	1,46	2,75	4,34E-08	2,20E-05	NM_008477	NM_008477	NM_008477	Mm.31110	16709	ENSMUST00000022391
A_55_P1967659	<b>Lactb</b>	lactamase, beta	0,80	1,74	6,43E-06	2,85E-04	NM_030717	NM_030717	NM_030717	Mm.157882	80907	ENSMUST00000034929
A_51_P418908	<b>Larp1</b>	La ribonucleoprotein domain family, member 1	0,75	1,69	7,00E-05	1,19E-03	NM_028451	NM_028451	NM_028451	Mm.248843	43158	ENSMUST00000071487
A_52_P239726	<b>Larp4</b>	La ribonucleoprotein domain family, member 4	1,00	2,00	2,28E-05	5,90E-04	NM_00108094	NM_00108094	NM_00108094	Mm.28811	207214	ENSMUST00000057632
A_52_P500488	<b>Lars1</b>	leucyl-tRNA synthetase	0,98	1,97	4,97E-06	2,42E-04	NM_134137	NM_134137	NM_134137	Mm.312170	107045	ENSMUST00000097590
A_55_P1957227	<b>Last1</b>	LAS1-like (S. cerevisiae)	0,90	1,87	8,41E-06	3,32E-04	NM_152822	NM_152822	NM_152822	Mm.274318	76130	ENSMUST00000079987
A_52_P667287	<b>Lass6</b>	LAG1 homologue, ceramide synthase 6	1,16	2,24	3,57E-05	7,74E-04	NM_172856	NM_172856	NM_172856	Mm.22222	241447	ENSMUST00000028426
A_51_P201137	<b>Lbr</b>	lamin B receptor	1,00	1,99	1,02E-05	3,71E-04	NM_133815	NM_133815	NM_133815	Mm.4538	98386	ENSMUST00000005003
A_52_P299358	<b>Lclat1</b>	lysocardiolipin acyltransferase 1	0,94	1,92	6,26E-06	2,81E-04	NM_00108107	NM_00108107	NM_00108107	Mm.321994	225010	ENSMUST00000067545
A_52_P67983	<b>Lcmt2</b>	lecucine carboxyl methyltransferase 2	0,69	1,61	8,31E-05	1,34E-03	NM_177846	NM_177846	NM_177846	Mm.219499	329504	ENSMUST00000099486
A_52_P56751	<b>Lcp1</b>	lymphocyte cytosolic protein 1	1,56	2,94	7,29E-07	8,76E-05	NM_008879	NM_008879	NM_008879	Mm.153911	18628	ENSMUST00000131862
A_55_P2141876	<b>Ldha</b>	lactate dehydrogenase A	0,76	1,70	3,28E-05	7,36E-04	NM_00113606	NM_00113606	NM_00113606	Mm.29324	18826	ENSMUST00000125802
A_51_P444645	<b>Lect1</b>	leukocyte cell derived chemotaxin 1	1,26	2,40	1,24E-05	4,12E-04	NM_010701	NM_010701	NM_010701	Mm.46561	16840	ENSMUST00000022603
A_55_P2177910	<b>Lepr</b>	leptin receptor	0,96	1,94	4,13E-05	8,50E-04	NM_010704	NM_010704	NM_010704	Mm.259282	16847	ENSMUST00000156402
A_52_P609695	<b>Lgi1</b>	lecucine-rich repeat LGI family, member 1	1,40	2,63	2,94E-06	1,78E-04	NM_020278	NM_020278	NM_020278	Mm.298251	56839	ENSMUST00000087252
A_55_P2179453	<b>Lig3</b>	ligase III, DNA, ATP-dependent	0,78	1,71	5,05E-05	9,71E-04	NM_010716	NM_010716	NM_010716	Mm.271736	16882	ENSMUST00000084061
A_65_P01834	<b>Lima1</b>	LIM domain and actin binding 1	2,78	6,89	3,92E-09	7,48E-06	NM_00111354	NM_00111354	NM_00111354	Mm.33207	65970	ENSMUST00000109024
A_55_P2023727	<b>Limch1</b>	LIM and calponin homology domains 1	3,98	15,81	1,53E-10	3,00E-06	NM_00100198	NM_00100198	NM_00100198	Mm.481371	77569	ENSMUST000000038188
A_55_P2085641	<b>Lmbr1</b>	limb region 1 like	0,56	1,48	8,18E-05	1,32E-03	NM_029098	NM_029098	NM_029098	Mm.385020	74775	ENSMUST00000109127
A_55_P2123942	<b>Lmbrd1</b>	LMBR1 domain containing 1	0,55	1,47	8,57E-05	1,36E-03	NM_026719	NM_026719	NM_026719	Mm.336563	68421	ENSMUST00000095062
A_55_P1985273	<b>Lmcd1</b>	LIM and cysteine-rich domains 1	0,86	1,81	1,52E-04	1,99E-03	NM_144799	NM_144799	NM_144799	Mm.234441	30937	ENSMUST00000032376
A_55_P2177988	<b>Lmf1</b>	lipase maturation factor 1	0,80	1,74	6,75E-06	3,13E-04	NM_029624	NM_029624	NM_029624	Mm.12787	76483	ENSMUST00000156868
A_52_P54261	<b>Lmf2</b>	lipase maturation factor 2	0,48	1,40	1,42E-04	1,91E-03	NM_178919	NM_178919	NM_178919	Mm.34511	105847	ENSMUST00000023283
A_55_P2110512	<b>Lmo7</b>	LIM domain only 7	2,95	7,71	2,35E-09	5,69E-06	NM_201529	NM_201529	NM_201529	Mm.486662	380928	ENSMUST00000160338
A_52_P445474	<b>Lmk2</b>	lemur tyrosine kinase 2	2,00	4,01	1,68E-05	4,91E-04	NM_00108110	NM_00108110	NM_00108110	Mm.288726	231876	ENSMUST00000041804
A_55_P1976200	<b>Lmk3</b>	lemur tyrosine kinase 3	1,51	2,85	1,98E-07	4,65E-05	NM_00100551	NM_00100551	NM_00100551	Mm.44928	381983	ENSMUST00000120005
A_55_P1995233	<b>Lonp2</b>	ion peptidase 2, peroxisomal	1,57	2,96	4,52E-07	7,01E-05	NM_025827	NM_025827	NM_025827	Mm.324550	66887	ENSMUST00000034141
A_55_P2115008	<b>Lonr2</b>	LON peptidase N-terminal domain and ring finger 2	1,10	2,15	2,18E-06	1,49E-04	NM_00102987	NM_00102987	NM_00102987	Mm.487137	381338	ENSMUST00000039612
A_55_P2013019	<b>Lpar1</b>	lysophosphatidic acid receptor 1	0,92	1,89	2,19E-06	1,49E-04	NM_172989	NM_172989	NM_172989	Mm.4772	14745	ENSMUST00000107571
A_51_P145415	<b>Lpcat3</b>	lysophosphatidylcholine acyltransferase 3	1,20	2,29	3,06E-05	7,08E-04	NM_145130	NM_145130	NM_145130	Mm.273915	14792	ENSMUST00000130020
A_51_P453351	<b>Lpgat1</b>	lysophosphatidylglycerol acyltransferase 1	0,89	1,85	4,49E-06	2,27E-04	NM_172266	NM_172266	NM_172266	Mm.277958	226886	ENSMUST00000110855
A_55_P2040200	<b>Lrba</b>	LPS-responsive beige-like anchor	0,74	1,67	3,89E-06	2,10E-04	NM_030695	NM_030695	NM_030695	Mm.439825	80877	ENSMUST00000107635
A_55_P2400322	<b>Lrch2</b>	lecucine-rich repeats and calponin homology (CH) domain cont	0,75	1,67	4,39E-05	8,86E-04	NM_00108117	NM_00108117	NM_00108117	Mm.30960	210297	ENSMUST00000112819
A_51_P295237	<b>Lrp11</b>	low density lipoprotein receptor-related protein 11	0,74	1,67	1,74E-05	5,06E-04	NM_172784	NM_172784	NM_172784	Mm.206759	327323	ENSMUST00000109331
A_51_P476428	<b>Lrp1b</b>	low density lipoprotein-related protein 1B (deleted in tumors)	0,95	1,94	7,22E-06	3,03E-04	NM_053011	NM_053011	NM_053011	Mm.441398	94217	ENSMUST00000129974
A_55_P1967168	<b>Lrp4</b>	low density lipoprotein receptor-related protein 4	1,16	2,24	1,63E-05	4,87E-04	NM_172668	NM_172668	NM_172668	Mm.275149	228357	ENSMUST00000028689
A_52_P2279687	<b>Lrp8</b>	low density lipoprotein receptor-related protein 8, apolipoprote	0,66	1,58	2,46E-05	6,21E-04	NM_00108092	NM_00108092	NM_00108092	Mm.442134	16975	ENSMUST00000123140
A_55_P1969845	<b>Lrpprc</b>	lecucine-rich PPR-motif containing	1,03	2,04	3,99E-06	2,13E-04	NM_028233	NM_028233	NM_028233	Mm.217027	72416	ENSMUST00000112308
A_52_P11402	<b>Lrc24</b>	lecucine rich repeat containing 24	0,80	1,74	5,51E-05	1,03E-03	NM_198119	NM_198119	NM_198119	Mm.289666	378937	ENSMUST00000049956
A_51_P362089	<b>Lrc3b</b>	lecucine rich repeat containing 3B	0,69	1,61	9,93E-05	1,51E-03	NM_146052	NM_146052	NM_146052	Mm.138039	218763	ENSMUST00000163937
A_52_P365660	<b>Lrc4c</b>	lecucine rich repeat containing 4C	0,59	1,51	6,59E-05	1,15E-03	NM_178725	NM_178725	NM_178725	Mm.241682	241568	ENSMUST00000162807
A_55_P2125564	<b>Lrc58</b>	lecucine rich repeat containing 58	0,82	1,77	5,99E-05	1,08E-03	NM_177093	NM_177093	NM_177093	Mm.390882	320184	ENSMUST00000078717
A_51_P485472	<b>Lrc71</b>	lecucine rich repeat containing 71	1,94	3,84	2,28E-08	1,66E-05	NM_028971	NM_028971	NM_028971	Mm.474494	74485	ENSMUST00000023846
A_55_P1984006	<b>Lrk2</b>	lecucine-rich repeat kinase 2	0,52	1,44	1,44E-04	1,92E-03	NM_025730	NM_025730				



A_55_P2182134	<b>Mctp1</b>	multiple C2 domains, transmembrane 1	0.95	1.93	9.76E-06	3.63E-04	NM_030174	NM_030174	NM_030174	Mm.316249	78771	ENSMUST00000109583
A_52_P407796	<b>Mdh1</b>	malate dehydrogenase 1, NAD (soluble)	0.93	1.90	8.07E-05	1.31E-03	NM_008618	NM_008618	NM_008618	Mm.212703	17449	ENSMUST00000102874
A_55_P2016842	<b>Me1</b>	malic enzyme 1, NAD(+)-dependent, cytosolic	0.97	1.95	6.97E-05	1.19E-03	NM_00119893	NM_00119893	NM_00119893	Mm.148155	17436	ENSMUST00000034989
A_51_P324082	<b>Med1</b>	mediator complex subunit 1	1.01	2.01	1.31E-04	1.81E-03	NM_013634	NM_013634	NM_013634	Mm.12926	19014	ENSMUST00000018304
A_66_P136955	<b>Med14</b>	mediator complex subunit 14	1.33	2.51	5.77E-07	7.91E-05	NM_012005	NM_012005	NM_012005	Mm.17616	26896	ENSMUST00000124053
A_55_P1964568	<b>Megf10</b>	multiple EGF-like domains 10	1.38	2.61	3.31E-07	6.08E-05	NM_00100197	NM_00100197	NM_00100197	Mm.297863	70417	ENSMUST00000057570
A_51_P124535	<b>Mest</b>	mesoderm specific transcript	1.29	2.44	4.33E-06	2.22E-04	NM_008590	NM_008590	NM_008590	Mm.336639	17294	ENSMUST00000163949
A_51_P102503	<b>Metap1</b>	methionyl aminopeptidase 1	0.78	1.71	3.11E-05	7.11E-04	NM_175224	NM_175224	NM_175224	Mm.26833	75624	ENSMUST00000298004
A_51_P345046	<b>Metap2</b>	methionine aminopeptidase 2	0.93	1.90	1.67E-05	4.93E-04	NM_019648	NM_019648	NM_019648	Mm.289329	56307	ENSMUST00000180840
A_66_P134412	<b>Mettl25</b>	methyltransferase like 25	0.86	1.82	6.05E-05	1.09E-03	NM_207522	NM_207522	NM_207522	Mm.250875	216292	ENSMUST00000176924
A_55_P1961140	<b>Mettl3</b>	methyltransferase like 3	0.73	1.65	3.88E-05	8.15E-04	NM_019721	NM_019721	NM_019721	Mm.271759	56335	ENSMUST00000173546
A_66_P133270	<b>Mfsd1</b>	major facilitator superfamily domain containing 1	0.83	1.78	1.22E-05	4.10E-04	NM_025813	NM_025813	NM_025813	Mm.271975	66868	ENSMUST00000023344
A_55_P2452384	<b>Mga</b>	MAX gene associated	1.20	2.30	7.29E-06	3.05E-04	NM_013720	NM_013720	NM_013720	Mm.87532	29808	ENSMUST00000046717
A_55_P2130388	<b>Mical1</b>	microtubule associated monooxygenase, calponin and LIM domain containing 1	2.41	5.30	2.07E-08	1.63E-05	NM_138315	NM_138315	NM_138315	Mm.290431	171580	ENSMUST00000019967
A_51_P519648	<b>Mical3</b>	microtubule associated monooxygenase, calponin and LIM domain containing 3	2.07	4.20	1.53E-07	4.22E-05	NM_153396	NM_153396	NM_153396	Mm.122399	194401	ENSMUST00000077159
A_52_P642207	<b>Mkrn1</b>	makorin, ring finger protein, 1	0.63	1.55	6.69E-05	1.16E-03	NM_018810	NM_018810	NM_018810	Mm.270484	54484	ENSMUST00000031985
A_51_P427820	<b>Mlip</b>	muscular LMNA-interacting protein	0.89	1.85	1.17E-05	4.00E-04	AK009836	0	AK009836	Mm.35008	69642	0
A_55_P2185990	<b>Mll1</b>	myeloid/lymphoid or mixed-lineage leukemia 1	1.28	2.98	2.31E-06	1.54E-04	NM_00108104	NM_00108104	NM_00108104	Mm.2389	214162	ENSMUST00000152241
A_55_P2136526	<b>Mll2</b>	myeloid/lymphoid or mixed-lineage leukemia 2	1.59	2.44	4.24E-07	6.84E-05	NM_00103327	NM_00103327	NM_00103327	Mm.264889	381022	ENSMUST00000023741
A_55_P1984123	<b>Mll3</b>	myeloid/lymphoid or mixed-lineage leukemia 3	1.23	2.35	1.80E-07	4.47E-05	NM_00108138	NM_00108138	NM_00108138	Mm.322668	231051	ENSMUST00000174734
A_52_P304128	<b>Mmp14</b>	matrix metalloproteinase 14 (membrane-inserted)	0.96	1.94	6.74E-05	1.17E-03	NM_008608	NM_008608	NM_008608	Mm.280175	17387	ENSMUST00000089688
A_51_P195775	<b>Mmp16</b>	matrix metalloproteinase 16	1.36	2.56	3.82E-07	6.44E-05	NM_019724	NM_019724	NM_019724	Mm.187315	17389	ENSMUST00000029881
A_51_P341736	<b>Mmp2</b>	matrix metalloproteinase 2	0.84	1.79	1.99E-05	5.48E-04	NM_008610	NM_008610	NM_008610	Mm.29564	17390	ENSMUST00000034187
A_51_P414396	<b>Mmrn2</b>	multimerin 2	0.67	1.59	1.16E-04	1.67E-03	NM_153127	NM_153127	NM_153127	Mm.272673	105450	ENSMUST00000119108
A_55_P2352896	<b>Mon2</b>	MON2 homolog (yeast)	1.40	2.64	7.11E-06	3.02E-04	NM_153395	NM_153395	NM_153395	Mm.169924	67074	ENSMUST00000037557
A_55_P2137887	<b>Podz</b>	multiple PDZ domain protein	1.22	2.33	1.17E-06	1.08E-04	NM_010820	NM_010820	NM_010820	Mm.153039	17475	ENSMUST00000134726
A_55_P2115127	<b>Mphosph10</b>	M-phase phosphoprotein 10 (U3 small nuclear ribonucleoprotein A2)	1.44	2.71	6.32E-07	8.24E-05	NM_026483	NM_026483	NM_026483	Mm.26973	67973	ENSMUST00000032735
A_55_P2077746	<b>Mphosph8</b>	M-phase phosphoprotein 8	0.71	1.64	3.29E-05	7.36E-04	NM_023773	NM_023773	NM_023773	Mm.152466	75339	ENSMUST00000116468
A_55_P2087520	<b>Mpp1</b>	membrane protein, palmitoylated	0.84	1.78	4.55E-05	9.09E-04	NM_008621	NM_008621	NM_008621	Mm.391267	17524	ENSMUST00000033775
A_52_P17098	<b>Mpp7</b>	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7)	0.87	1.83	1.14E-04	1.65E-03	NM_00116162	NM_00116162	NM_00116162	Mm.472923	75739	ENSMUST00000115869
A_55_P1957433	<b>Mpr1</b>	myosin phosphatase Rho interacting protein	3.13	8.78	1.60E-08	1.38E-05	NM_201245	NM_201245	NM_201245	Mm.290242	26936	ENSMUST00000066330
A_55_P2097038	<b>Mrc2</b>	mannose receptor, C type 2	1.20	2.30	1.39E-06	1.17E-04	NM_008626	NM_008626	NM_008626	Mm.236616	17534	ENSMUST00000126931
A_52_P368057	<b>Mri1</b>	methylthioinosine-1-phosphate isomerase homolog (S. cerevisiae)	0.82	1.77	3.79E-06	2.07E-04	NM_026423	NM_026423	NM_026423	Mm.278085	67873	ENSMUST00000126435
A_55_P2087885	<b>Mroh1</b>	maestro heat-like repeat family member 1	0.61	1.52	1.35E-04	1.84E-03	NM_00116248	NM_00116248	NM_00116248	Mm.123240	223658	ENSMUST00000016183
A_51_P405565	<b>Msh6</b>	mutS homolog 6 (E. coli)	1.27	2.41	3.69E-07	6.32E-05	NM_010830	NM_010830	NM_010830	Mm.18210	17688	ENSMUST00000055003
A_55_P2022094	<b>Mta3</b>	metastasis associated 3	0.62	1.76	3.14E-06	1.85E-04	NM_00117105	NM_00117105	NM_00117105	Mm.27668	11671	ENSMUST00000123500
A_55_P2002080	<b>Mthfd1l</b>	methylentetrahydrofolate dehydrogenase (NADP+ dependent)	0.92	1.89	8.21E-06	3.28E-04	NM_00117078	NM_00117078	NM_00117078	Mm.184752	270685	ENSMUST00000120585
A_55_P2117028	<b>Mtmr3</b>	myotubularin related protein 3	0.50	1.41	6.84E-05	1.18E-03	NM_028860	NM_028860	NM_028860	Mm.256699	74083	ENSMUST00000123506
A_52_P450188	<b>Mtmr4</b>	myotubularin related protein 4	0.63	1.78	9.96E-06	3.68E-04	NM_133215	NM_133215	NM_133215	Mm.299376	170749	ENSMUST00000119628
A_55_P2084378	<b>Mtmr7</b>	myotubularin related protein 7	1.26	2.40	2.15E-06	1.47E-04	NM_00104066	NM_00104066	NM_00104066	Mm.99481	54384	ENSMUST00000048898
A_51_P282179	<b>Mtor</b>	mechanistic target of rapamycin (serine/threonine kinase)	1.71	3.27	1.55E-06	1.23E-04	NM_020009	NM_020009	NM_020009	Mm.21158	56717	ENSMUST00000103221
A_55_P2152926	<b>Mybbp1a</b>	MYB binding protein (P160) 1a	0.78	1.73	4.10E-06	2.16E-04	NM_016776	NM_016776	NM_016776	Mm.147946	18432	ENSMUST00000152894
A_52_P108346	<b>Myc</b>	myelocytomatosis oncogene	1.07	2.10	8.29E-07	9.30E-05	NM_010849	NM_010849	NM_010849	Mm.2444	17869	ENSMUST00000167731
A_51_P473919	<b>Mycbp2</b>	MYC binding protein 2	2.15	4.43	7.23E-09	9.49E-06	NM_207215	NM_207215	NM_207215	Mm.6478	105689	ENSMUST00000159855
A_52_P536494	<b>Mycn</b>	v-myc myelocytomatosis viral related oncogene, neuroblaston 1	1.24	2.37	4.35E-05	8.81E-04	NM_008709	NM_008709	NM_008709	Mm.16469	18109	ENSMUST00000043396
A_55_P2088525	<b>Myh10</b>	myosin, heavy polypeptide 10, non-muscle	2.90	7.48	4.29E-08	2.20E-05	NM_175260	NM_175260	NM_175260	Mm.218233	77579	ENSMUST00000102611
A_55_P2090700	<b>Myh14</b>	myosin, heavy polypeptide 14, non-muscle	2.10	4.30	1.12E-08	1.19E-05	NM_00127153	NM_00127153	NM_00127153	Mm.158289	71960	ENSMUST00000107900
A_55_P2028600	<b>Myh9</b>	myosin, heavy polypeptide 9, non-muscle	4.00	15.98	8.80E-10	4.68E-06	NM_022410	NM_022410	NM_022410	Mm.29677	17886	ENSMUST00000167711
A_55_P1993744	<b>Myo10</b>	myosin X	1.92	3.78	4.14E-08	2.20E-05	NM_019472	NM_019472	NM_019472	Mm.60590	17909	ENSMUST00000110457
A_55_P2181306	<b>Myo16</b>	myosin XVI	0.97	1.96	2.61E-05	6.45E-04	NM_00108139	NM_00108139	NM_00108139	Mm.422761	244281	ENSMUST00000042103
A_55_P2154054	<b>Myo18a</b>	myosin XVIIIa	3.08	8.45	3.11E-09	6.76E-06	NM_011586	NM_011586	NM_011586	Mm.341248	360103	ENSMUST00000108375
A_51_P434171	<b>Myo19</b>	myosin XIX	1.46	2.75	6.65E-06	2.90E-04	NM_025414	NM_025414	NM_025414	Mm.288689	66196	ENSMUST00000141705
A_55_P1955039	<b>Myo1b</b>	myosin IB	1.24	2.36	4.94E-07	7.25E-05	NM_00116181	NM_00116181	NM_00116181	Mm.3390	17912	ENSMUST00000185611
A_52_P650855	<b>Myo1d</b>	myosin ID	1.16	2.23	1.24E-06	1.10E-04	NM_177390	NM_177390	NM_177390	Mm.151948	338367	ENSMUST00000041065
A_51_P406583	<b>Myo1e</b>	myosin IE	2.79	6.91	8.28E-10	4.68E-06	NM_181072	NM_181072	NM_181072	Mm.249311	71602	ENSMUST00000034745
A_66_P112305	<b>Myo1f</b>	myosin IF	1.17	1.63	3.76E-05	9.39E-04	NM_053214	NM_053214	NM_053214	Mm.42019	17916	ENSMUST00000173372
A_55_P2006250	<b>Myo5a</b>	myosin VA	2.24	4.73	4.35E-08	1.92E-05	NM_010864	NM_010864	NM_010864	Mm.3645	17918	ENSMUST00000123128
A_55_P2096081	<b>Myo5b</b>	myosin VB	1.38	2.60	3.44E-07	6.10E-05	NM_201600	NM_201600	NM_201600	Mm.260098	17919	ENSMUST00000121875
A_55_P2024669	<b>Myo6</b>	myosin VI	3.60	12.11	1.01E-09	4.68E-06	NM_00103954	NM_00103954	NM_00103954	Mm.4040	17920	ENSMUST00000127779
A_52_P201531	<b>Myo9a</b>	myosin IXa	1.09	2.12	3.18E-06	1.86E-04	NM_173018	NM_173018	NM_173018	Mm.249545	270163	ENSMUST00000136740
A_51_P375558	<b>Myc</b>	myocilin	1.33	2.52	5.42E-06	2.55E-04	NM_010865	NM_010865	NM_010865	Mm.10694	17926	ENSMUST00000208020
A_52_P173703	<b>Myp1p</b>	myosin VIIa and Rab interacting protein	0.92	1.90	3.49E-05	7.65E-04	NM_144557	NM_144557	NM_144557	Mm.100936	245049	ENSMUST00000048121
A_55_P2056120	<b>Myt1l</b>	myelin transcription factor 1-like	1.40	2.64	4.42E-05	2.45E-04	NM_00109377	NM_00109377	NM_00109377	Mm.253067	17933	ENSMUST00000049784
A_55_P2452914	<b>N4bp2</b>	NEDD4 binding protein 2	1.68	3.21	1.47E-08	1.34E-05	NM_00102491	NM_00102491	NM_00102491	Mm.333398	333789	ENSMUST00000138239
A_51_P414448	<b>Naa15</b>	N(alpha)-acetyltransferase 15, NatA auxiliary subunit	0.76	1.69	2.50E-05	6.26E-04	NM_053089	NM_053089	NM_053089	Mm.275281	74838	ENSMUST00000029303
A_52_P443167	<b>Naa35</b>	N(alpha)-acetyltransferase 35, NatC auxiliary subunit	0.88	1.84	1.43E-04	1.92E-03	NM_030153	NM_030153	NM_030153	Mm.253902	72689	ENSMUST00000172118
A_52_P118886	<b>Naa50</b>	N(alpha)-acetyltransferase 50, NatE catalytic subunit	0.88	1.84	3.40E-05	7.51E-04	NM_028108	NM_028108	NM_028108	Mm.278726	72117	ENSMUST00000063520
A_55_P2005853	<b>Nacc2</b>	nuoacuncubans associated 2, BEN and BTB (POZ) domain containing 2	0.87	1.83	4.78E-05	9.41E-04	NM_00103706	NM_00103706	NM_00103706	Mm.131074	69971	ENSMUST00000114159
A_51_P387235	<b>Nampt</b>	nicotinamide phosphoribosyltransferase	0.70	1.62	1.85E-05	5.26E-04	NM_021524	NM_021524	NM_021524	Mm.489597	59027	ENSMUST00000020886
A_51_P396207	<b>Nap1f2</b>	nucleosome assembly protein 1-like 2	0.79	1.72	3.89E-05	8.16E-04	NM_008671	NM_008671	NM_008671	Mm.386944	17954	ENSMUST00000121720
A_51_P213928	<b>Nap1f3</b>	nucleosome assembly protein 1-like 3	0.90	1.86	4.46E-06	2.27E-04	NM_138742	NM_138742	NM_138742	Mm.490573	54561	ENSMUST00000079490
A_52_P201551	<b>Nav1</b>	neuron navigator 1	1.81	3.49	1.05							

A_52_P464629	<b>Nme7</b>	NME/NUM23 family member 7	0.97	1.96	9.13E-04	3.50E-04	NM_138314	NM_138314	NM_138314	Mm.219428	171567	ENSMUST0000086028
A_52_P489119	<b>Nol6</b>	nucleolar protein family 6 (RNA-associated)	0.58	1.50	1.16E-04	1.67E-03	NM_139236	NM_139236	NM_139236	Mm.285797	230082	ENSMUST0000003138
A_51_P246705	<b>Nop14</b>	NOP14 nucleolar protein	0.67	1.59	1.09E-04	1.60E-03	NM_029278	NM_029278	NM_029278	Mm.40292	75416	ENSMUST00000041364
A_55_P2034033	<b>Nos3</b>	nitric oxide synthase 3, endothelial cell	0.71	1.63	3.08E-05	7.09E-04	NM_008713	NM_008713	NM_008713	Mm.258415	18122	ENSMUST00000030384
A_55_P2047168	<b>Notch1</b>	notch 1	0.87	1.83	4.10E-05	8.45E-04	NM_008714	NM_008714	NM_008714	Mm.290610	18128	ENSMUST0000028288
A_52_P289213	<b>Notch2</b>	notch 2	1.00	2.00	3.32E-06	1.91E-04	NM_010928	NM_010928	NM_010928	Mm.485843	18129	ENSMUST0000079812
A_51_P220162	<b>Notch3</b>	notch 3	1.05	2.08	6.22E-06	2.80E-04	NM_008716	NM_008716	NM_008716	Mm.439741	18131	ENSMUST0000087723
A_51_P349341	<b>Npc1</b>	Niemann Pick type C1	1.50	2.83	6.09E-07	8.14E-05	NM_008720	NM_008720	NM_008720	Mm.3484	18148	ENSMUST0000025279
A_55_P2111745	<b>Npcd</b>	neuronal pentraxin chromo domain	0.52	1.43	1.22E-04	1.73E-03	NM_00101336NM_00101336NM_00101336	Mm.38438	504193	ENSMUST0000089299		
A_52_P479500	<b>Nppeps</b>	aminopeptidase puromycin sensitive	1.15	2.21	1.81E-06	1.34E-04	NM_008942	NM_008942	NM_008942	Mm.29824	19155	ENSMUST0000011320
A_55_P1993549	<b>Npr1</b>	nephrocin	0.58	1.49	3.73E-05	7.95E-04	NM_033525	NM_033525	NM_033525	Mm.279310	114249	ENSMUST0000042729
A_55_P2076832	<b>Nrd1</b>	nardilysin, N-arginine dibasic convertase, NRD convertase 1	0.72	1.65	4.48E-06	2.27E-04	NM_146150	NM_146150	NM_146150	Mm.274950	230598	ENSMUST0000065977
A_51_P213592	<b>Nrde2</b>	nrde-2 necessary for RNA interference, domain containing	0.85	1.81	1.35E-04	1.84E-03	NM_183155	NM_183155	NM_183155	Mm.224076	217827	ENSMUST00000021596
A_51_P469285	<b>Nrp1</b>	neuropilin 1	0.74	1.67	7.40E-05	1.24E-03	NM_008737	NM_008737	NM_008737	Mm.271745	18186	ENSMUST00000026917
A_52_P93910	<b>Nrp2</b>	neuropilin 2	0.91	1.88	9.39E-06	3.55E-04	NM_0107740NM_0107740NM_0107740	Mm.266341	18187	ENSMUST00000075144		
A_55_P2054628	<b>Nrxn1</b>	neuroligin 1	0.85	1.80	7.14E-06	3.02E-04	NM_020252	NM_020252	NM_020252	Mm.312068	18189	ENSMUST00000176174
A_55_P2054640	<b>Nrxn3</b>	neuroligin III	1.11	2.15	9.27E-07	9.75E-05	NM_172544	NM_172544	NM_172544	Mm.425766	18191	ENSMUST00000167887
A_66_P137462	<b>Nsdhl</b>	NAD(P) dependent steroid dehydrogenase-like	0.66	1.58	8.79E-05	1.39E-03	NM_010941	NM_010941	NM_010941	Mm.38792	18194	ENSMUST0000033715
A_51_P389386	<b>Nsmce2</b>	non-SMC element 2 homolog (MMS21, S. cerevisiae)	0.75	1.68	4.25E-05	8.68E-04	NM_026746	NM_026746	NM_026746	Mm.27762	68501	ENSMUST00000079703
A_55_P2143688	<b>Ntm</b>	neurotrophin	0.87	1.82	5.37E-05	1.01E-03	NM_172290	NM_172290	NM_172290	Mm.283138	235106	ENSMUST00000115237
A_51_P497661	<b>Ntn4</b>	netrin 4	0.72	1.64	2.96E-05	6.91E-04	NM_021320	NM_021320	NM_021320	Mm.483868	57764	ENSMUST00000020204
A_51_P393454	<b>Ntrk2</b>	neurotrophic tyrosine kinase, receptor, type 2	1.02	2.03	2.26E-06	1.51E-04	NM_00102507NM_00102507NM_00102507	Mm.130054	18212	ENSMUST0000079828		
A_55_P2056533	<b>Ntrk3</b>	neurotrophic tyrosine kinase, receptor, type 3	1.00	2.00	2.56E-05	6.36E-04	NM_008746	NM_008746	NM_008746	Mm.33496	18213	ENSMUST00000039431
A_55_P2068172	<b>Nuf2</b>	nuclear fragile X mental retardation protein interacting protein	0.90	1.87	4.10E-05	8.45E-04	NM_00102420NM_00102420NM_00102420	Mm.428996	86564	0		
A_66_P128918	<b>Numb1</b>	numb-like	0.67	1.59	1.60E-03	2.10E-05	NM_010950	NM_010950	NM_010950	Mm.459153	18223	ENSMUST0000079258
A_52_P286002	<b>Obsl1</b>	obscurin-like 1	0.60	1.52	3.51E-05	7.66E-04	NM_178884	NM_178884	NM_178884	Mm.236454	98733	ENSMUST00000127507
A_51_P261107	<b>Ogt</b>	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine 2-epimerase)	1.43	2.70	2.31E-07	4.92E-05	NM_139144	NM_139144	NM_139144	Mm.259191	108155	ENSMUST00000044475
A_52_P454183	<b>Olfm12b</b>	olfactomedin-like 2B	0.84	1.79	3.85E-05	8.11E-04	NM_177068	NM_177068	NM_177068	Mm.287131	320078	ENSMUST00000046792
A_52_P454295	<b>Olfm12b</b>	olfactomedin-like 2B	0.48	1.40	1.34E-04	1.84E-03	NM_177068	NM_177068	NM_177068	Mm.287131	320078	ENSMUST00000046792
A_52_P632359	<b>Olfir1316</b>	olfactory receptor 1316	1.03	2.04	2.53E-05	6.31E-04	NM_146742	NM_146742	NM_146742	Mm.377665	258737	ENSMUST0000099596
A_51_P499223	<b>Olfir1354</b>	olfactory receptor 1354	1.15	2.22	3.12E-06	1.84E-04	NM_00119984NM_00119984NM_00119984	Mm.41945	259163	ENSMUST00000075859		
A_51_P491856	<b>Olfir1358</b>	olfactory receptor 1358	2.06	4.16	8.94E-08	3.18E-05	XM_622784	XM_622784	XM_622784	Mm.380597	258224	0
A_52_P91019	<b>Olfir1386</b>	olfactory receptor 1386	2.14	4.41	2.46E-08	1.69E-05	NM_00101174NM_00101174NM_00101174	Mm.377286	257888	ENSMUST00000071905		
A_51_P476798	<b>Olfir2</b>	olfactory receptor 2	0.80	1.74	3.21E-05	7.27E-04	NM_010983	NM_010983	NM_010983	Mm.246525	18317	ENSMUST00000094109
A_52_P242724	<b>Opa1</b>	optic atrophy 1	0.80	1.74	7.68E-05	1.27E-03	NM_00119917NM_00119917NM_00119917	Mm.274285	74443	ENSMUST00000160597		
A_51_P378550	<b>Oplah</b>	5-oxoprolinase (ATP-hydrolysing)	0.80	1.74	1.47E-05	4.60E-04	NM_153122	NM_153122	NM_153122	Mm.322738	75145	ENSMUST00000023222
A_55_P2066598	<b>Opr1</b>	opioid receptor-like 1	1.04	2.05	7.68E-05	1.27E-03	NM_011012	NM_011012	NM_011012	Mm.289075	18389	ENSMUST00000108767
A_55_P2066593	<b>Opr1</b>	opioid receptor-like 1	0.74	1.67	9.84E-06	3.65E-04	NM_011012	NM_011012	NM_011012	Mm.289075	18389	ENSMUST00000135335
A_51_P100309	<b>Oprm1</b>	opioid receptor, mu 1	0.96	1.95	3.76E-05	7.99E-04	NM_00103966NM_00103966NM_00103966	Mm.439715	18390	ENSMUST00000092734		
A_51_P109171	<b>Osn9</b>	amplified in osteosarcoma	0.95	1.93	9.88E-05	1.51E-03	NM_177614	NM_177614	NM_177614	Mm.295246	216440	ENSMUST00000164259
A_55_P2029503	<b>Ospb1a</b>	oxysterol binding protein-like 1A	0.65	1.57	5.81E-05	1.06E-03	NM_207530	NM_207530	NM_207530	Mm.259470	64291	ENSMUST00000132594
A_52_P593015	<b>Ostc</b>	oligosaccharyltransferase complex subunit	0.79	1.73	7.44E-05	1.24E-03	NM_025509	NM_025509	NM_025509	Mm.300697	66251	ENSMUST00000043937
A_51_P506733	<b>P2rx7</b>	purinergic receptor P2X, ligand-gated ion channel, 7	0.80	1.74	1.02E-04	1.54E-03	NM_00103884NM_00103884NM_00103884	Mm.42026	18439	ENSMUST00000031425		
A_55_P2117146	<b>Pa2g4</b>	proliferation-associated 2G4	0.86	1.82	1.43E-04	1.91E-03	NM_011119	NM_011119	NM_011119	Mm.4742	18813	ENSMUST00000026425
A_66_P115406	<b>Pabpc1</b>	poly(A) binding protein, cytoplasmic 1	1.24	2.37	7.85E-07	9.08E-05	NM_008774	NM_008774	NM_008774	Mm.371570	18458	ENSMUST00000146577
A_65_P048881	<b>Pabpc11</b>	poly(A) binding protein, cytoplasmic 1-like	0.68	2.79	2.18E-06	1.49E-04	NM_00111407NM_00111407NM_00111407	Mm.82301	381404	ENSMUST00000067715		
A_55_P2020607	<b>Pacsin1</b>	protein kinase C and casein kinase substrate in neurons 1	0.61	1.52	1.30E-04	1.80E-03	NM_011861	NM_011861	NM_011861	Mm.4926	23969	ENSMUST00000045896
A_55_P1992769	<b>Pafah1b1</b>	platelet-activating factor acetylhydrolase, isoform 1b, subunit 1	0.67	1.59	1.47E-04	1.95E-03	NM_013625	NM_013625	NM_013625	Mm.397111	18472	ENSMUST00000021091
A_51_P172323	<b>Pak2</b>	p21 protein (Cdc42/Rac)-activated kinase 2	0.99	1.98	1.69E-06	1.30E-04	NM_177326	NM_177326	NM_177326	Mm.234204	224105	ENSMUST00000023467
A_55_P1977653	<b>Pall1</b>	palladin, cytoskeleton-associated protein	0.80	1.75	4.79E-05	9.42E-04	NM_00108139NM_00108139NM_00108139	Mm.29303	72333	ENSMUST00000034057		
A_51_P196127	<b>Paps1</b>	3'-phosphoadenosine 5'-phosphosulfate synthase 1	1.15	2.21	8.34E-06	3.31E-04	NM_011863	NM_011863	NM_011863	Mm.244912	21971	ENSMUST0000029666
A_51_P430973	<b>Parp7</b>	progestin and adipoQ receptor family member VII	0.53	1.45	1.00E-04	1.52E-03	NM_027995	NM_027995	NM_027995	Mm.412943	73904	ENSMUST00000081525
A_52_P51548	<b>Pard3</b>	par-3 (partitioning defective 3) homolog (C. elegans)	0.85	1.81	1.52E-04	1.99E-03	NM_033620	NM_033620	NM_033620	Mm.299254	93742	ENSMUST00000162309
A_52_P247943	<b>Parl</b>	presenilin associated, rhomboid-like	0.55	1.46	1.44E-04	1.93E-03	NM_00100576NM_00100576NM_00100576	Mm.371737	381038	ENSMUST00000152887		
A_51_P314277	<b>Parp1</b>	poly (ADP-ribose) polymerase family, member 1	0.81	1.75	1.95E-05	5.42E-04	NM_007415	NM_007415	NM_007415	Mm.277779	11545	ENSMUST00000027777
A_51_P343913	<b>Parp4</b>	poly (ADP-ribose) polymerase family, member 4	1.02	2.11	1.31E-05	4.29E-04	NM_00114597NM_00114597NM_00114597	Mm.379357	328243	ENSMUST00000161553		
A_55_P2042272	<b>Pbrm1</b>	polycomb 1	0.88	1.76	8.70E-05	1.38E-03	AK166688	AK166688	AK166688	Mm.27913	66923	0
A_55_P2051696	<b>Pbx1</b>	pre B cell leukemia homeobox 1	0.91	1.88	3.41E-05	7.52E-04	NM_008783	NM_008783	NM_008783	Mm.43358	18514	ENSMUST00000072863
A_51_P484254	<b>Pcca</b>	propionyl-Coenzyme A carboxylase, alpha polypeptide	0.90	1.87	6.48E-06	2.85E-04	NM_144844	NM_144844	NM_144844	Mm.23876	110821	ENSMUST00000038374
A_66_P130887	<b>Pcdh18</b>	protocadherin 18	0.63	1.77	1.50E-04	1.98E-03	NM_130448	NM_130448	NM_130448	Mm.87246	73173	ENSMUST00000035931
A_52_P432969	<b>Pcdh19</b>	protocadherin 19	0.67	1.59	6.80E-05	1.17E-03	NM_0010524NM_0010524NM_0010524	Mm.39738	279653	ENSMUST00000149154		
A_55_P2035167	<b>Pcdh7</b>	protocadherin 7	1.29	2.45	8.90E-06	3.44E-04	NM_00112275NM_00112275NM_00112275	Mm.332387	54210	ENSMUST00000039568		
A_51_P274488	<b>Pcdh8</b>	protocadherin 8	1.60	3.04	1.84E-07	4.50E-05	NM_021543	NM_021543	NM_021543	Mm.390715	18536	ENSMUST00000039568
A_51_P476654	<b>Pcdha11</b>	protocadherin alpha 11	1.10	2.15	4.68E-06	2.33E-04	NM_009960	NM_009960	NM_009960	Mm.308500	12942	ENSMUST00000115657
A_55_P2006632	<b>Pcdha12</b>	protocadherin alpha 12	0.91	1.88	1.57E-06	1.24E-04	NM_138663	NM_138663	NM_138663	Mm.308500	192164	ENSMUST00000047614
A_51_P388048	<b>Pcdha4</b>	protocadherin alpha 4	0.87	1.83	1.05E-05	3.77E-04	NM_007766	NM_007766	NM_007766	Mm.308500	12936	ENSMUST00000115661
A_55_P2106584	<b>Pcdha8</b>	protocadherin alpha 8	1.20	2.29	2.69E-06	1.67E-04	NM_201243	NM_201243	NM_201243	Mm.308500	353235	ENSMUST00000156

A_52_P599624	<b>Pfas</b>	phosphoribosylformylglycinamide synthase (FGAR amidotra	1.03	2.05	3.78E-06	2.07E-04	NM_001159511NM_001159511NM_001159511Mm.342088	237823	ENSMUST00000172915
A_55_P1963184	<b>Pgap1</b>	post-GPI attachment to proteins 1	1.13	2.19	8.92E-06	3.45E-04	NM_001163311NM_001163311NM_001163311Mm.103539	241062	ENSMUST00000097739
A_66_P111747	<b>Pgk1</b>	phosphoglycerate kinase 1	0.80	1.74	1.44E-04	1.93E-03	ENSMUST00000	0	18655
A_51_P213476	<b>Pgr</b>	progesterone receptor	0.79	1.73	4.07E-05	8.42E-04	NM_008829 NM_008829 NM_008829 Mm.12798	18665	ENSMUST00000070463
A_55_P2127238	<b>Phc3</b>	polyhomeotic-like 3 (Drosophila)	1.15	2.22	4.73E-06	2.34E-04	ENSMUST00000 AK166296 Mm.233173	241915	ENSMUST00000091663
A_55_P2081560	<b>Phf20</b>	PHD finger protein 20	0.72	1.65	8.20E-06	3.28E-04	NM_172674 NM_172674 Mm.247078	228829	ENSMUST00000152617
A_52_P587648	<b>Phf3</b>	PHD finger protein 3	0.74	1.67	6.65E-05	1.16E-03	NM_001081081NM_001081081NM_001081081Mm.194486	213109	ENSMUST00000088310
A_51_P258698	<b>Phf8</b>	PHD finger protein 8	1.11	2.15	3.21E-06	1.87E-04	NM_001113351NM_001113351NM_001113351Mm.17156	320595	ENSMUST00000168501
A_55_P2092310	<b>Phgdh</b>	3-phosphoglycerate dehydrogenase	0.51	1.42	9.12E-05	1.42E-03	AK195427 O AK195427 Mm.371997	236539	0
A_55_P1972192	<b>Phka1</b>	phosphorylase kinase alpha 1	0.87	1.82	9.68E-07	9.88E-05	NM_008832 NM_008832 NM_008832 Mm.212889	18679	ENSMUST00000113611
A_52_P187217	<b>Phka2</b>	phosphorylase kinase alpha 2	1.15	2.22	1.37E-05	4.41E-04	NM_172783 NM_172783 NM_172783 Mm.350712	110094	ENSMUST00000033652
A_52_P513347	<b>Phkb</b>	phosphorylase kinase beta	0.83	1.78	3.41E-05	7.53E-04	NM_199446 NM_199446 NM_199446 Mm.237296	102093	ENSMUST00000163305
A_55_P1981155	<b>Phldb1</b>	pleckstrin homology-like domain, family B, member 1	1.07	2.10	1.08E-06	1.03E-04	NM_001081111NM_001081111NM_001081111Mm.248656	101471	ENSMUST00000106027
A_55_P2090055	<b>Phrf1</b>	PHD and ring finger domains 1	0.73	1.66	2.80E-05	6.71E-04	NM_001001981NM_001001981NM_001001981Mm.5718	224020	ENSMUST00000148110
A_52_P454994	<b>Phka</b>	phosphatidylinositol 4-kinase, catalytic, alpha polypeptide	0.65	1.57	6.72E-05	1.16E-03	NM_029988 NM_029988 NM_029988 Mm.283317	110417	ENSMUST00000072154
A_52_P607195	<b>Pigh</b>	phosphatidylinositol glycan anchor biosynthesis, class H	0.87	1.83	7.69E-06	3.14E-04	NM_178016 NM_178016 NM_178016 Mm.331447	329777	ENSMUST00000051510
A_51_P197175	<b>Pigk</b>	phosphoinositide-3-kinase, class 3	1.10	2.14	1.44E-06	1.19E-04	NM_181414 NM_181414 NM_181414 Mm.194127	225326	ENSMUST00000131405
A_55_P2006911	<b>Pik3c3</b>	phosphoinositide-3-kinase, class 3	1.22	2.33	1.19E-06	1.09E-04	NM_001081301NM_001081301NM_001081301Mm.274830	75669	ENSMUST00000065778
A_51_P110035	<b>Pik3r4</b>	phosphoinositide-3 kinase, regulatory subunit, polypeptide	1.00	1.86	2.64E-05	6.49E-04	NM_011086 NM_011086 NM_011086 Mm.83770	18711	ENSMUST00000097707
A_51_P393355	<b>Pikfyve</b>	phosphoinositide kinase, FYVE finger containing	0.90	1.71	1.17E-04	1.68E-03	NM_001083111NM_001083111NM_001083111Mm.8211	18744	ENSMUST00000113797
A_55_P2037156	<b>Pja1</b>	praja 1, RING-H2 motif containing	0.77	1.71	1.17E-04	1.68E-03	NM_001083111NM_001083111NM_001083111Mm.8211	18744	ENSMUST00000113797
A_52_P420712	<b>Pja2</b>	praja 2, RING-H2 motif containing	1.96	3.90	9.55E-07	9.82E-05	NM_001025301NM_001025301NM_001025301Mm.489681	224938	ENSMUST00000172733
A_52_P234729	<b>Pkd2</b>	polycystic kidney disease 2	0.56	1.48	1.23E-04	1.74E-03	NM_008861 NM_008861 NM_008861 Mm.6442	18764	ENSMUST00000086831
A_51_P228892	<b>Pkd2l2</b>	polycystic kidney disease 2-like 2	0.75	1.68	1.15E-04	1.66E-03	NM_016927 NM_016927 NM_016927 Mm.445792	53871	ENSMUST00000014647
A_52_P516091	<b>Pla2g15</b>	phospholipase A2, group XV	0.78	1.72	9.93E-06	3.67E-04	NM_133792 NM_133792 NM_133792 Mm.284770	192654	ENSMUST00000034377
A_66_P114784	<b>Pla2g7</b>	phospholipase A2, group VII (platelet-activating factor acetyltr	1.36	2.56	1.03E-06	1.02E-04	NM_013737 NM_013737 NM_013737 Mm.9277	27226	ENSMUST00000167418
A_55_P2173333	<b>Picb4</b>	phospholipase C, beta 4	0.58	1.49	8.96E-05	1.41E-03	ENSMUST00000 BC051068 Mm.38009	18798	ENSMUST00000110109
A_52_P327588	<b>Picd4</b>	phospholipase C, delta 4	1.30	2.46	6.94E-07	8.60E-05	NM_148937 NM_148937 NM_148937 Mm.290731	18802	ENSMUST00000152707
A_55_P2015860	<b>Picg1</b>	phospholipase C, gamma 1	1.15	2.23	9.75E-06	3.63E-04	NM_021280 NM_021280 NM_021280 Mm.444683	18803	ENSMUST00000170777
A_51_P279163	<b>Picg2</b>	phospholipase C, gamma 2	0.95	1.93	1.69E-06	1.30E-04	NM_172285 NM_172285 NM_172285 Mm.192699	234779	ENSMUST00000081232
A_55_P2139027	<b>Plec</b>	plectin	1.22	2.33	7.41E-07	8.79E-05	NM_001163541NM_001163541NM_001163541Mm.234912	18710	ENSMUST00000073418
A_55_P1968718	<b>Plekha6</b>	pleckstrin homology domain containing, family A member 6	1.05	2.07	1.17E-05	3.99E-04	NM_182930 NM_182930 NM_182930 Mm.253559	240753	ENSMUST00000038295
A_55_P2165500	<b>Plekha9</b>	pleckstrin homology domain containing, family G (with RhoGe	0.62	1.54	1.23E-04	1.73E-03	NM_001004151NM_001004151NM_001004151Mm.486442	269608	ENSMUST00000105661
A_55_P1968340	<b>Plekhh1</b>	pleckstrin homology domain containing, family H (with MYTH4	0.74	1.67	2.45E-05	6.19E-04	NM_181073 NM_181073 NM_181073 Mm.878321	211945	ENSMUST00000039928
A_55_P2169784	<b>Plod1</b>	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1	1.38	2.60	6.80E-07	8.57E-05	NM_011122 NM_011122 NM_011122 Mm.37371	18822	ENSMUST00000019199
A_51_P396570	<b>Plod2</b>	procollagen lysine, 2-oxoglutarate 5-dioxygenase 2	0.56	1.48	6.49E-05	1.14E-03	NM_011961 NM_011961 NM_011961 Mm.79833	26432	ENSMUST00000070522
A_55_P2160989	<b>Pirg1</b>	pleiotropic regulator 1, PRL1 homolog (Arabidopsis)	1.50	1.42	6.55E-05	1.15E-03	NM_016784 NM_016784 NM_016784 Mm.286349	53317	ENSMUST00000029628
A_55_P2141851	<b>Pls3</b>	plastin 3 (T-isoform)	1.00	2.00	4.03E-06	2.14E-04	NM_145629 NM_145629 NM_145629 Mm.28777	102866	ENSMUST00000033547
A_51_P232748	<b>Plxnb3</b>	plexin B3	1.17	2.25	1.43E-06	1.19E-04	NM_019587 NM_019587 NM_019587 Mm.275600	140571	ENSMUST00000149478
A_52_P642836	<b>Pnma2</b>	PNMA-like 2	1.10	2.15	4.03E-06	2.14E-04	NM_001099631NM_001099631NM_001099631Mm.483018	341218	ENSMUST00000094807
A_66_P125831	<b>Pnn</b>	pinin	1.06	2.08	9.16E-07	9.70E-05	NM_008891 NM_008891 NM_008891 Mm.22347	18949	ENSMUST00000021381
A_55_P2018841	<b>Pnp</b>	purine-nucleoside phosphorylase	0.73	1.65	6.19E-05	1.10E-03	NM_013632 NM_013632 NM_013632 Mm.17932	18540	ENSMUST00000038615
A_55_P1985219	<b>Pnp1a6</b>	patatin-like phospholipase domain containing 6	0.80	1.74	1.12E-05	3.91E-04	NM_001122811NM_001122811NM_001122811Mm.23085	57652	ENSMUST00000111070
A_55_P2114347	<b>Pnp1a8</b>	patatin-like phospholipase domain containing 8	0.59	1.51	1.05E-04	1.56E-03	NM_026164 NM_026164 NM_026164 Mm.54126	64784	0
A_55_P1952235	<b>Pnp1o</b>	pyridoxine 5-phosphate oxidase	0.53	1.45	1.22E-04	1.73E-03	NM_134021 NM_134021 NM_134021 Mm.254704	103711	ENSMUST00000153896
A_55_P1975110	<b>Pnp1t</b>	polynucleotide nucleotidyltransferase 1	1.11	2.16	9.82E-07	9.96E-05	NM_027869 NM_027869 NM_027869 Mm.211131	71071	ENSMUST00000154924
A_51_P513449	<b>Pogz</b>	pogo transposable element with ZNF domain	0.99	1.99	1.22E-06	1.10E-04	NM_172683 NM_172683 NM_172683 Mm.274787	229584	ENSMUST00000102720
A_51_P483261	<b>Pomf1</b>	protein-O-mannosyltransferase 1	0.97	1.96	3.43E-06	1.94E-04	NM_145145 NM_145145 NM_145145 Mm.31192	91901	ENSMUST00000129163
A_52_P126055	<b>Pon2</b>	paraoxonase 2	0.85	1.81	1.35E-05	4.35E-04	NM_183308 NM_183308 NM_183308 Mm.126964	330260	ENSMUST00000057792
A_55_P1954086	<b>Poptn</b>	perostin, osteoblast specific factor	0.97	1.96	1.24E-06	1.10E-04	NM_001198761NM_001198761NM_001198761Mm.236507	50706	ENSMUST00000107985
A_66_P139785	<b>Ppap2b</b>	phosphatidic acid phosphatase type 2B	0.82	1.77	2.91E-05	6.85E-04	NM_080555 NM_080555 NM_080555 Mm.348326	67916	ENSMUST00000064139
A_52_P659258	<b>Ppat</b>	phosphoribosyl pyrophosphate amidotransferase	1.04	2.06	1.34E-05	4.33E-04	NM_172146 NM_172146 NM_172146 Mm.202337	231327	ENSMUST00000031158
A_51_P392377	<b>Ppia2</b>	protein tyrosine phosphatase, receptor type, f polypeptide (PT	0.99	1.99	9.64E-06	3.61E-04	NM_177373 NM_177373 NM_177373 Mm.391424	327814	ENSMUST00000028404
A_55_P1998374	<b>Ppifb1p</b>	PTPRF interacting protein, binding protein 1 (liprin beta 1)	1.46	3.12	2.27E-07	4.92E-05	NM_001170431NM_001170431NM_001170431Mm.103382	67533	ENSMUST00000116631
A_55_P2016249	<b>Ppid</b>	peptidylprolyl isomerase D (cyclophilin D)	1.64	2.75	4.33E-05	6.79E-04	NM_026352 NM_026352 NM_026352 Mm.295252	67738	ENSMUST00000161460
A_52_P607683	<b>Ppm1e</b>	protein phosphatase 1E (PP2C domain containing)	0.97	1.96	1.73E-05	5.04E-04	NM_177167 NM_177167 NM_177167 Mm.341988	320478	ENSMUST00000065438
A_51_P484832	<b>Ppm1g</b>	protein phosphatase 1G (formerly 2C), magnesium-dependen	1.44	2.71	1.20E-06	1.09E-04	NM_008014 NM_008014 NM_008014 Mm.14501	142082	ENSMUST00000031032
A_51_P265219	<b>Ppm1k</b>	protein phosphatase 1K (PP2C domain containing)	0.95	1.93	8.22E-05	6.72E-04	NM_175523 NM_175523 NM_175523 Mm.489618	243382	ENSMUST00000042766
A_52_P540434	<b>Ppmtcc</b>	protein phosphatase 1, catalytic subunit, gamma isoform	0.91	1.88	3.29E-06	1.90E-04	NM_013636 NM_013636 NM_013636 Mm.280874	19047	ENSMUST00000134719
A_52_P116372	<b>Ppmt15b</b>	protein phosphatase 1, regulatory (inhibitor) subunit 15b	0.76	1.69	1.95E-05	5.43E-04	NM_133819 NM_133819 NM_133819 Mm.293628	108954	ENSMUST00000052529
A_52_P239536	<b>Ppmt19a</b>	protein phosphatase 1, regulatory (inhibitor) subunit 9A	4.15	17.75	6.05E-10	4.08E-06	NM_181595 NM_181595 NM_181595 Mm.332901	243725	ENSMUST00000035813
A_55_P1967315	<b>Ppmt19b</b>	protein phosphatase 1, regulatory subunit 9B	2.53	5.78	5.72E-09	8.90E-06	NM_172261 NM_172261 NM_172261 Mm.490322	217124	ENSMUST00000038696
A_55_P2053783	<b>Ppmt23a</b>	protein phosphatase 2, regulatory subunit B', alpha	1.09	2.13	5.92E-05	1.08E-03	NM_001161361NM_001161361NM_001161361Mm.335386	235542	ENSMUST00000075941
A_52_P487362	<b>Ppmt4r</b>	protein phosphatase 4, regulatory subunit 4	1.02	2.03	2.48E-05	6.23E-04	NM_028980 NM_028980 NM_028980 Mm.248619	74521	ENSMUST00000021631
A_55_P2141415	<b>Ppmt6r3</b>	protein phosphatase 6, regulatory subunit 3	1.12	2.18	6.32E-06	2.82E-04	AK018652 O AK018652 Mm.284866	52036	0
A_55_P1991693	<b>Ppmt7c</b>	peroxisome proliferative activated receptor, gamma, coactivat	0.91	1.88	6.41E-06	2.84E-04	NM_001081211NM_001081211NM_001081211Mm.2415	226169	0
A_55_P2082361	<b>Ppt1</b>	palmitoyl-protein thioesterase 1	1.00	2.00	3.98E-06	2.13E-04	NM_008917 NM_008917 NM_008917 Mm.277119	19063	ENSMUST00000030412
A_51_P123604	<b>Ppwd1</b>	peptidylprolyl isomerase domain and WD repeat containing 1	0.75	1.68	3.86E-05	8.13E-04	NM_172807 NM_172807 NM_172807 Mm.98910	238831	ENSMUST0000022226
A_55_P1988083	<b>Prc1</b>	protein regulator of cytokinesis 1	0.98	1.98	1.05E-04	1.56E-03	NM_145150 NM_145150 NM_145150 Mm.227274	233406	ENSMUST00000163812
A_55_P1979929	<b>Prcp</b>	prolylcarboxypeptidase (angiotensinase C)	0.68	1.61	5.94E-05	1.08E-03	NM_028243 NM_028243 NM_028243 Mm.389969	72461	ENSMUST00000076052
A_55_P1979457	<b>Prdx4</b>	prolylarginine oxidase	0.59	1.50	1.39E-04	1.88E-03	NM_016764 NM_016764 NM_016764 Mm.247542	53381	ENSMUST00000026328
A_52_P90124	<b>Prp</b>	prolyl 4-hydroxylase	0.69	1.62	6.68E-05	1.1			



A_52_P652212	<b>Psmid14</b>	proteasome (prosome, macropain) 26S subunit, non-ATPase,	0.97	1.96	1.77E-04	5.10E-04	NM_021526	NM_021526	NM_021526	NM_218198	59029	ENSMUST00000146051
A_55_P1976007	<b>Psm4</b>	proteasome (prosome, macropain) activator subunit 4	0.57	1.48	4.55E-05	9.09E-04	NM_134013	NM_134013	NM_134013	Mm.481953	103554	ENSMUST00000129824
A_66_P139876	<b>PspH</b>	phosphoserine phosphatase	0.66	1.58	1.22E-04	1.73E-03	NM_133900	NM_133900	NM_133900	Mm.217184	100678	ENSMUST00000031399
A_55_P2021545	<b>Ptpcd1</b>	pentatricopeptide repeat domain 1	0.87	1.82	7.39E-05	1.24E-03	AK172986	0	AK172986	Mm.332840	71799	0
A_55_P2040227	<b>Ptchcd4</b>	patched domain containing 4	0.79	1.73	1.22E-04	1.72E-03	NM_028474	NM_028474	NM_028474	Mm.390999	627265	ENSMUST00000048691
A_51_P442053	<b>Ptdss1</b>	phosphatidylserine synthase 1	1.30	2.47	1.15E-05	3.96E-04	NM_008959	NM_008959	NM_008959	Mm.281464	19210	ENSMUST00000021990
A_51_P185713	<b>Ptdss2</b>	phosphatidylserine synthase 2	0.69	1.61	2.50E-05	6.27E-04	NM_013782	NM_013782	NM_013782	Mm.293591	27388	ENSMUST00000026568
A_51_P349008	<b>Ptges2</b>	prostaglandin E synthase 2	0.88	1.84	4.19E-05	8.59E-04	NM_133783	NM_133783	NM_133783	Mm.280498	96779	ENSMUST00000028162
A_55_P2349265	<b>Ptk2</b>	PTK2 protein tyrosine kinase 2	0.68	1.60	1.11E-04	1.62E-03	NM_00113040NM_00113040	NM_00113040NM_00113040	NM_00113040	Mm.254494	14083	ENSMUST00000170399
A_51_P311904	<b>Ptk2b</b>	PTK2 protein tyrosine kinase 2 beta	0.87	1.82	1.02E-05	3.72E-04	NM_172498	NM_172498	NM_172498	Mm.21613	19229	ENSMUST00000136216
A_52_P585652	<b>Ptp4a2</b>	protein tyrosine phosphatase 4a2	0.69	1.61	1.98E-05	5.44E-04	NM_008974	NM_008974	NM_008974	Mm.193688	19244	ENSMUST00000030578
A_55_P2069485	<b>Ptpn13</b>	protein tyrosine phosphatase, non-receptor type 13	1.11	2.15	3.43E-06	1.94E-04	NM_011204	NM_011204	NM_011204	Mm.31414	19249	ENSMUST00000048957
A_55_P2172989	<b>Ptpn23</b>	protein tyrosine phosphatase, non-receptor type 23	1.05	2.07	1.29E-06	1.13E-04	NM_00108104NM_00108104	NM_00108104NM_00108104	Mm.335477	104831	ENSMUST00000040021	
A_55_P1987694	<b>Ptpr</b>	protein tyrosine phosphatase, receptor type, D	1.18	2.26	1.05E-06	1.02E-04	NM_011211	NM_011211	NM_011211	Mm.184021	19266	ENSMUST00000008467
A_55_P1992079	<b>Ptprf</b>	protein tyrosine phosphatase, receptor type, F	0.98	1.98	5.15E-06	2.47E-04	NM_011213	NM_011213	NM_011213	Mm.29855	19268	ENSMUST000000124758
A_55_P2006327	<b>Ptprg</b>	protein tyrosine phosphatase, receptor type, G	0.75	1.68	2.75E-05	6.63E-04	NM_008981	NM_008981	NM_008981	Mm.431266	19270	ENSMUST00000142917
A_52_P284165	<b>Ptprk</b>	protein tyrosine phosphatase, receptor type, K	0.74	1.67	8.77E-05	1.39E-03	NM_008983	NM_008983	NM_008983	Mm.332303	19272	ENSMUST00000166468
A_55_P2028591	<b>Ptprm</b>	protein tyrosine phosphatase, receptor type, M	1.01	2.02	7.86E-05	1.29E-03	NM_008984	NM_008984	NM_008984	Mm.311809	19274	ENSMUST000000307974
A_52_P15490	<b>Pvr13</b>	poliovirus receptor-related 3	0.82	1.76	3.70E-05	7.91E-04	NM_021496	NM_021496	NM_021496	Mm.328072	58998	ENSMUST00000096052
A_55_P2104327	<b>Pxdn</b>	peroxidasin homolog (Drosophila)	0.72	1.65	1.18E-04	1.69E-03	NM_181395	NM_181395	NM_181395	Mm.251774	69675	ENSMUST00000122328
A_55_P2011545	<b>Pyroxd1</b>	pyridine nucleotide-disulphide oxidoreductase domain 1	1.11	2.15	6.88E-06	3.39E-04	NM_183165	NM_183165	NM_183165	Mm.490474	232491	ENSMUST00000041852
A_51_P287232	<b>Qars</b>	glutamyl-tRNA synthetase	1.75	1.68	1.03E-04	1.54E-03	NM_133794	NM_133794	NM_133794	Mm.272427	97541	ENSMUST00000136623
A_52_P543792	<b>Orich1</b>	glutamine-rich 1	1.02	2.03	3.12E-05	7.13E-04	NM_175143	NM_175143	NM_175143	Mm.485781	69232	ENSMUST00000006851
A_52_P138895	<b>Qsox2</b>	quiescen Q6 sulfhydryl oxidase 2	0.60	1.52	2.03E-05	5.57E-04	NM_153559	NM_153559	NM_153559	Mm.116769	227638	ENSMUST00000036187
A_52_P444162	<b>Rab11a</b>	RAB11a, member RAS oncogene family	0.68	1.61	9.18E-05	1.43E-03	NM_017382	NM_017382	NM_017382	Mm.1387	53869	ENSMUST00000172298
A_55_P2082156	<b>Rab11fip3</b>	RAB11 family interacting protein 3 (class II)	1.30	2.46	6.06E-06	2.75E-04	NM_00116286NM_00116286	NM_00116286NM_00116286	Mm.41191	215445	ENSMUST00000120691	
A_52_P529360	<b>Rab11fip5</b>	RAB11 family interacting protein 5 (class I)	0.96	1.94	9.74E-05	1.49E-03	NM_00100395NM_00100395	NM_00100395NM_00100395	Mm.220334	52055	ENSMUST00000006837	
A_51_P419117	<b>Rab15</b>	RAB15, member RAS oncogene family	0.51	1.43	9.04E-05	1.42E-03	NM_134050	NM_134050	NM_134050	Mm.172747	104886	ENSMUST00000021459
A_51_P209280	<b>Rab31</b>	RAB31, member RAS oncogene family	0.71	1.63	1.78E-05	5.13E-04	NM_133685	NM_133685	NM_133685	Mm.29474	106572	ENSMUST00000070673
A_52_P558939	<b>Rab3gap1</b>	RAB3 GTPase activating protein subunit 1	0.87	1.82	2.82E-05	6.72E-04	NM_178690	NM_178690	NM_178690	Mm.489713	226407	ENSMUST00000036749
A_51_P244558	<b>Rab3gap2</b>	RAB3 GTPase activating protein subunit 2	0.89	1.86	8.39E-06	3.32E-04	NM_00116375NM_00116375	NM_00116375NM_00116375	Mm.278431	98782	ENSMUST00000009652	
A_51_P117604	<b>Rab5a</b>	RAB5A, member RAS oncogene family	1.09	2.12	2.08E-06	1.44E-04	NM_025887	NM_025887	NM_025887	Mm.329123	271457	ENSMUST00000017975
A_55_P2060097	<b>Rabep1</b>	rabaptin, RAB GTPase binding effector protein 1	0.61	1.53	1.09E-04	1.60E-03	ENSMUST0000	BC003921	Mm.7087	54189	ENSMUST00000100928	
A_55_P2167818	<b>Rabgef1</b>	RAB guanine nucleotide exchange factor (GEF) 1	0.94	1.92	3.54E-06	1.99E-04	NM_019983	NM_019983	NM_019983	Mm.288639	56715	ENSMUST000000125937
A_51_P394091	<b>Rad21</b>	RAD21 homolog (S. pombe)	1.81	1.75	1.14E-05	3.93E-04	NM_009009	NM_009009	NM_009009	Mm.182628	19357	ENSMUST000000202927
A_55_P2042958	<b>Rad50</b>	RAD50 homolog (S. cerevisiae)	1.36	2.56	1.68E-07	4.37E-05	NM_009012	NM_009012	NM_009012	Mm.4888	19360	ENSMUST00000020649
A_55_P2142371	<b>Rai1</b>	retinoic acid induced 1	1.34	2.52	1.39E-07	4.05E-05	NM_009021	NM_009021	NM_009021	Mm.296366	19377	ENSMUST00000006190
A_52_P51029	<b>Ralgap1</b>	Ral GTPase activating protein, alpha subunit 1	1.05	2.07	1.09E-04	1.60E-03	NM_019994	NM_019994	NM_019994	Mm.292180	56784	ENSMUST00000110687
A_51_P511375	<b>Ranbp2</b>	RAN binding protein 2	1.12	4.36	4.15E-08	2.20E-05	NM_011240	NM_011240	NM_011240	Mm.431695	19386	ENSMUST00000003310
A_52_P450123	<b>Ranbp6</b>	RAN binding protein 6	2.27	2.41	1.90E-06	1.38E-04	NM_177721	NM_177721	NM_177721	Mm.125503	240614	ENSMUST00000099525
A_55_P2064004	<b>Rapgef2</b>	Rap guanine nucleotide exchange factor (GEF) 2	0.89	1.85	1.10E-05	3.86E-04	NM_00109962NM_00109962	NM_00109962NM_00109962	Mm.31220	76089	ENSMUST00000118340	
A_51_P285916	<b>Rapgef4</b>	Rap guanine nucleotide exchange factor (GEF) 4	0.95	1.93	3.37E-05	7.47E-04	NM_019688	NM_019688	NM_019688	Mm.196153	56508	ENSMUST00000102698
A_55_P2113683	<b>Raph1</b>	Ras association (Raf/GS/AF-6) and pleckstrin homology dorr	0.97	1.96	2.40E-06	1.57E-04	NM_00104551NM_00104551	NM_00104551NM_00104551	Mm.440325	77300	0	
A_52_P288614	<b>Rars</b>	arginyl-tRNA synthetase	1.02	2.03	2.35E-05	6.03E-04	NM_025936	NM_025936	NM_025936	Mm.284906	104458	ENSMUST00000165817
A_55_P1968789	<b>Rasa3</b>	RAS p21 protein activator 3	0.66	1.59	6.90E-05	1.18E-03	NM_009025	NM_009025	NM_009025	Mm.18517	19414	ENSMUST00000117551
A_52_P16873	<b>Rasa3l</b>	RAS protein activator like 3	0.96	1.95	2.88E-05	6.80E-04	NM_178785	NM_178785	NM_178785	Mm.122284	320484	ENSMUST00000074588
A_52_P671676	<b>Rasgrf1</b>	RAS protein-specific guanine nucleotide-releasing factor 1	1.04	2.06	2.25E-06	1.51E-04	NM_011245	NM_011245	NM_011245	Mm.44561	19417	ENSMUST000000304912
A_55_P2096768	<b>Rasgrf2</b>	RAS protein-specific guanine nucleotide-releasing factor 2	1.19	2.28	6.09E-06	2.76E-04	NM_009027	NM_009027	NM_009027	Mm.248630	19418	ENSMUST00000093326
A_55_P1969560	<b>Rasgrp1</b>	RAS guanyl releasing protein 1	0.63	1.55	1.01E-04	1.52E-03	NM_011246	NM_011246	NM_011246	Mm.42150	19419	ENSMUST00000178884
A_55_P2143233	<b>Rasgrp2</b>	RAS guanyl releasing protein 2	1.03	2.04	5.43E-05	1.02E-03	NM_011242	NM_011242	NM_011242	Mm.77017	19395	ENSMUST00000113468
A_55_P2119030	<b>Rasi2-9</b>	RAS-like, family 2, locus 9	0.63	1.55	7.46E-05	1.24E-03	NM_009028	NM_009028	NM_009028	Mm.321186	19428	ENSMUST00000147855
A_52_P542172	<b>Rb1cc1</b>	RB1-inducible coiled-coil 1	0.90	1.86	6.92E-05	1.18E-03	NM_009826	NM_009826	NM_009826	Mm.293811	19421	ENSMUST00000159656
A_51_P516850	<b>Rbbp5</b>	retinoblastoma binding protein 5	0.66	1.59	1.38E-04	1.85E-03	NM_172517	NM_172517	NM_172517	Mm.132868	213644	ENSMUST00000027700
A_55_P2080542	<b>Rbbp7</b>	retinoblastoma binding protein 7	1.05	2.07	2.31E-06	1.54E-04	NM_009031	NM_009031	NM_009031	Mm.270186	245688	ENSMUST00000033720
A_55_P2016739	<b>Rbm12b2</b>	RNA binding motif protein 12 B2	0.74	1.67	6.00E-05	1.08E-03	NM_198957	NM_198957	NM_198957	Mm.474129	77604	ENSMUST00000063639
A_55_P1996742	<b>Rbm14</b>	RNA binding motif protein 14	0.95	1.93	3.45E-05	7.58E-04	NM_019869	NM_019869	NM_019869	Mm.276338	56275	ENSMUST00000006625
A_55_P1968143	<b>Rbm25</b>	RNA binding motif protein 25	0.73	1.65	1.90E-05	5.34E-04	NM_027349	NM_027349	NM_027349	Mm.46005	67039	ENSMUST00000048155
A_52_P574993	<b>Rbpj1</b>	recombination signal binding protein for immunoglobulin kappa	0.61	1.53	1.10E-04	1.61E-03	NM_009036	NM_009036	NM_009036	Mm.473794	19668	ENSMUST00000137427
A_66_P117389	<b>Rcn2</b>	reticulocalbin 2	1.49	2.81	5.06E-05	9.72E-04	NM_011992	NM_011992	NM_011992	Mm.1782	26611	ENSMUST00000114726
A_55_P2183172	<b>Rdx</b>	radixin	0.83	1.77	2.65E-06	1.66E-04	NM_00110461NM_00110461	NM_00110461NM_00110461	Mm.245746	19684	ENSMUST000000061362	
A_51_P297963	<b>Recq1</b>	RecQ protein-like	0.75	1.68	1.38E-05	4.42E-04	NM_023042	NM_023042	NM_023042	Mm.27407	19691	ENSMUST00000111803
A_55_P2035742	<b>Reg3d</b>	regenerating islet-derived 3 delta	1.18	2.27	3.05E-05	7.07E-04	NM_013893	NM_013893	NM_013893	Mm.33691	30053	ENSMUST00000089667
A_66_P108810	<b>Reln</b>	reelin	1.36	2.56	9.38E-07	9.77E-05	NM_011261	NM_011261	NM_011261	Mm.425236	19659	ENSMUST00000159768
A_55_P2013357	<b>Renbp</b>	renin binding protein	0.62	1.54	1.19E-04	1.70E-03	NM_023132	NM_023132	NM_023132	Mm.236969	67033	ENSMUST00000135711
A_55_P1968698	<b>Rere</b>	arginine glutamic acid dipeptide (RE) repeats	0.86	1.81	5.33E-05	1.01E-03	NM_00108545NM_00108545	NM_00108545NM_00108545	Mm.291274	19703	ENSMUST00000105682	
A_51_P217665	<b>Rev3l</b>	REV3-like, catalytic subunit of DNA polymerase zeta RAD54 I	0.96	1.95	5.11E-06	2.46E-						

A_55_P1960626	<b>Satb2</b>	special AT-rich sequence binding protein 2	1.35	2.55	1.58E-04	1.25E-04	NM_139146	NM_139146	NM_139146	Mm.145599	212712	ENSMUST0000042857
A_51_P123805	<b>Sbn1</b>	sno, strawberry notch homolog 1 (Drosophila)	0.91	1.88	3.13E-05	7.15E-04	NM_0010812CNM_0010812CNM_0010812CNM	NM_0010812CNM_0010812CNM_0010812CNM	NM_0010812CNM_0010812CNM_0010812CNM	Mm.23879	243272	ENSMUST0000065263
A_55_P2055477	<b>Scaf11</b>	SR-related CTD-associated factor 11	1.57	2.98	2.44E-06	1.58E-04	NM_028148	NM_028148	NM_028148	Mm.324474	72193	ENSMUST0000047835
A_51_P298666	<b>Scaf4</b>	SR-related CTD-associated factor 4	0.72	1.65	1.21E-04	1.72E-03	NM_178923	NM_178923	NM_178923	Mm.439811	224432	ENSMUST0000039280
A_51_P494006	<b>Scaf8</b>	SR-related CTD-associated factor 8	0.51	1.43	1.18E-04	1.68E-03	NM_134123	NM_134123	NM_134123	Mm.124373	106583	ENSMUST0000076734
A_55_P2426272	<b>Scaper</b>	S phase cyclin A-associated protein in the ER	1.73	3.31	5.10E-07	7.35E-05	NM_00108134NM_00108134NM_00108134NM	NM_00108134NM_00108134NM_00108134NM	NM_00108134NM_00108134NM_00108134NM	Mm.86588	544901	ENSMUST0000037408
A_52_P682382	<b>Scd1</b>	stearyl-Coenzyme A desaturase 1	1.15	2.22	3.33E-05	7.41E-04	NM_009127	NM_009127	NM_009127	Mm.267377	20249	ENSMUST0000041331
A_51_P129464	<b>Scd2</b>	stearyl-Coenzyme A desaturase 2	1.26	2.39	5.92E-06	2.71E-04	NM_009128	NM_009128	NM_009128	Mm.487021	20250	ENSMUST0000026221
A_55_P2083949	<b>Scd1f</b>	Scd1 family domain containing 1	1.55	2.93	3.52E-07	6.19E-05	AK129238	0	AK129238	Mm.216511	76983	0
A_55_P2067905	<b>Scd2f</b>	Scd1 family domain containing 2	0.65	1.57	3.64E-05	7.83E-04	NM_0011466NM_0011466NM_0011466NM	NM_0011466NM_0011466NM_0011466NM	NM_0011466NM_0011466NM_0011466NM	Mm.134147	212986	ENSMUST0000013542
A_55_P2106514	<b>Scn2a1</b>	sodium channel, voltage-gated, type II, alpha 1	1.05	2.07	7.67E-06	3.14E-04	NM_00109929NM_00109929NM_00109929NM	NM_00109929NM_00109929NM_00109929NM	NM_00109929NM_00109929NM_00109929NM	Mm.220329	110876	ENSMUST00000144254
A_66_P106808	<b>Scn3a</b>	sodium channel, voltage-gated, type III, alpha	1.96	1.95	2.69E-05	6.55E-04	NM_018732	NM_018732	NM_018732	Mm.330256	20269	ENSMUST0000010069
A_55_P2072333	<b>Scn8a</b>	sodium channel, voltage-gated, type VIII, alpha	0.27	2.41	5.15E-07	7.41E-05	NM_00107745NM_00107745NM_00107745NM	NM_00107745NM_00107745NM_00107745NM	NM_00107745NM_00107745NM_00107745NM	Mm.385012	20273	ENSMUST00000108909
A_55_P2040748	<b>Scrb1</b>	scribbled homolog (Drosophila)	0.78	1.72	2.82E-05	6.72E-04	NM_134089	NM_134089	NM_134089	Mm.25568	105782	ENSMUST00000109946
A_55_P2002562	<b>Sec11a</b>	SEC11 homolog A (S. cerevisiae)	1.04	2.05	2.22E-06	1.50E-04	NM_019951	NM_019951	NM_019951	Mm.43760	56529	ENSMUST00000147813
A_55_P1962736	<b>Sec23b</b>	SEC23B (S. cerevisiae)	0.81	1.76	2.25E-05	5.90E-04	NM_019787	NM_019787	NM_019787	Mm.248492	27054	ENSMUST0000028916
A_51_P477440	<b>Sec23ip</b>	Sec23 interacting protein	0.77	1.71	4.06E-05	8.41E-04	NM_00102998NM_00102998NM_00102998NM	NM_00102998NM_00102998NM_00102998NM	NM_00102998NM_00102998NM_00102998NM	Mm.297105	207352	ENSMUST0000042942
A_55_P2024575	<b>Sec24c</b>	SEC24 related gene family, member C (S. cerevisiae)	0.48	1.39	9.18E-05	1.43E-03	NM_172596	NM_172596	NM_172596	Mm.173119	218811	ENSMUST0000048657
A_51_P129100	<b>Sec63</b>	SEC63-like (S. cerevisiae)	0.79	1.73	9.03E-06	3.47E-04	NM_153055	NM_153055	NM_153055	Mm.214344	140740	ENSMUST00000124613
A_55_P2054013	<b>Sema3a</b>	sema domain, immunoglobulin domain (Ig), short basic domain	1.67	3.19	1.43E-07	4.10E-05	NM_009152	NM_009152	NM_009152	Mm.372039	20346	ENSMUST00000905012
A_55_P2103026	<b>Sema3d</b>	sema domain, immunoglobulin domain (Ig), short basic domain	1.98	1.97	2.64E-06	1.65E-04	NM_028882	NM_028882	NM_028882	Mm.893133	108151	ENSMUST0000030868
A_51_P462516	<b>Senp7</b>	SUMO1/sentinin specific peptidase 7	0.92	1.89	9.31E-06	3.54E-04	NM_00100397NM_00100397NM_00100397NM	NM_00100397NM_00100397NM_00100397NM	NM_00100397NM_00100397NM_00100397NM	Mm.255784	66315	ENSMUST0000049128
A_51_P213433	<b>Seps1</b>	selenophosphate synthetase 1	0.57	1.49	4.89E-05	9.53E-04	NM_175400	NM_175400	NM_175400	Mm.34329	190979	ENSMUST00000115019
A_52_P153327	<b>Sept2</b>	septin 2	0.97	1.96	1.03E-06	1.02E-04	NM_010891	NM_010891	NM_010891	Mm.426652	18000	ENSMUST00000131175
A_55_P2109554	<b>Serinc3</b>	serine incorporator 3	0.83	1.78	3.86E-05	8.13E-04	NM_012032	NM_012032	NM_012032	Mm.218473	26943	ENSMUST0000017851
A_51_P128336	<b>Serinc5</b>	serine incorporator 5	0.86	1.81	1.99E-05	5.48E-04	NM_172588	NM_172588	NM_172588	Mm.297970	218420	ENSMUST0000049488
A_51_P268094	<b>Serpin2</b>	serine (or cysteine) peptidase inhibitor, clade E, member 2	0.86	1.81	8.86E-05	1.40E-03	NM_009255	NM_009255	NM_009255	Mm.3093	20742	ENSMUST0000027467
A_66_P100165	<b>Serpin1</b>	serine (or cysteine) peptidase inhibitor, clade I, member 1	1.23	2.34	1.47E-05	4.60E-04	NM_009250	NM_009250	NM_009250	Mm.41560	20713	ENSMUST00000161776
A_52_P230167	<b>Setb1</b>	SET binding protein	0.91	1.88	3.06E-05	7.08E-04	NM_053099	NM_053099	NM_053099	Mm.312871	204027	ENSMUST0000025430
A_52_P468033	<b>Setd1b</b>	SET domain containing 1B	0.87	1.83	1.70E-05	4.98E-04	NM_00104039NM_00104039NM_00104039NM	NM_00104039NM_00104039NM_00104039NM	NM_00104039NM_00104039NM_00104039NM	Mm.250391	280403	ENSMUST00000174836
A_51_P110395	<b>Setd2</b>	SET domain containing 2	1.23	2.35	1.64E-06	1.26E-04	NM_00108134NM_00108134NM_00108134NM	NM_00108134NM_00108134NM_00108134NM	NM_00108134NM_00108134NM_00108134NM	Mm.288949	235626	ENSMUST00000173373
A_55_P1965635	<b>Setd1b</b>	SET domain, bifurcated 1	2.10	4.28	1.23E-06	1.10E-04	NM_00116364NM_00116364NM_00116364NM	NM_00116364NM_00116364NM_00116364NM	NM_00116364NM_00116364NM_00116364NM	Mm.490259	84505	ENSMUST00000124638
A_51_P470448	<b>Setx</b>	senataxin	1.11	2.16	9.27E-06	3.53E-04	NM_198033	NM_198033	NM_198033	Mm.41867	269254	ENSMUST0000061578
A_55_P2118744	<b>Sez1</b>	seizure related 6 homolog like	1.24	2.36	2.10E-07	4.78E-05	NM_00125391NM_00125391NM_00125391NM	NM_00125391NM_00125391NM_00125391NM	NM_00125391NM_00125391NM_00125391NM	Mm.143742	65747	ENSMUST0000079491
A_51_P504442	<b>Sf3a1</b>	splicing factor 3a, subunit 1	0.67	1.59	6.44E-05	1.13E-03	NM_026175	NM_026175	NM_026175	Mm.159914	67465	ENSMUST0000002198
A_66_P108345	<b>Sgcb</b>	sarcoglycan, beta (dystrophin-associated glycoprotein)	0.91	1.88	1.53E-05	4.70E-04	NM_011890	NM_011890	NM_011890	Mm.89310	24051	ENSMUST00000081170
A_55_P1984730	<b>Sgpl1</b>	sphingosine phosphate lyase 1	0.76	1.69	7.86E-05	1.29E-03	NM_009163	NM_009163	NM_009163	Mm.412319	20387	ENSMUST00000122579
A_55_P2088705	<b>Sgsm1</b>	small G protein signaling modulator 1	0.85	1.80	5.95E-04	3.54E-04	NM_00125473NM_00125473NM_00125473NM	NM_00125473NM_00125473NM_00125473NM	NM_00125473NM_00125473NM_00125473NM	Mm.200203	52090	ENSMUST00000145708
A_55_P2130249	<b>Sh3g2</b>	SH3-domain GRB2-like 2	1.09	1.73	9.48E-05	1.46E-03	NM_019535	NM_019535	NM_019535	Mm.143603	20404	ENSMUST00000107188
A_55_P2062181	<b>Shank1</b>	SH3/ankyrin domain gene 1	0.75	2.07	4.86E-05	9.48E-04	ENSMUST0000	AK078290	AK078290	Mm.306038	243961	ENSMUST00000154776
A_55_P2051656	<b>Shank2</b>	SH3/ankyrin domain gene 2	0.88	1.85	1.34E-05	4.33E-04	NM_00111337NM_00111337NM_00111337NM	NM_00111337NM_00111337NM_00111337NM	NM_00111337NM_00111337NM_00111337NM	Mm.483624	210274	ENSMUST0000097929
A_55_P2154749	<b>Shisa6</b>	shisa homolog 6 (Xenopus laevis)	0.72	1.85	2.78E-05	6.68E-04	NM_00103487NM_00103487NM_00103487NM	NM_00103487NM_00103487NM_00103487NM	NM_00103487NM_00103487NM_00103487NM	Mm.351764	380702	ENSMUST00000123454
A_55_P2153541	<b>Sik3</b>	SIK family kinase 3	1.74	1.68	3.72E-05	7.68E-04	NM_027498	NM_027498	NM_027498	Mm.219459	70661	ENSMUST00000126865
A_55_P2112693	<b>Sipa11f</b>	signal-induced proliferation-associated 1 like 1	2.33	5.02	7.17E-08	2.87E-05	NM_00116798NM_00116798NM_00116798NM	NM_00116798NM_00116798NM_00116798NM	NM_00116798NM_00116798NM_00116798NM	Mm.261333	217692	ENSMUST00000166429
A_55_P2098782	<b>Sipa12f</b>	signal-induced proliferation-associated 1 like 2	1.05	2.08	1.95E-05	5.42E-04	AK122501	0	AK122501	Mm.271668	244668	0
A_55_P1975732	<b>Sipa13f</b>	signal-induced proliferation-associated 1 like 3	0.62	1.54	1.28E-04	1.78E-03	NM_00108102NM_00108102NM_00108102NM	NM_00108102NM_00108102NM_00108102NM	NM_00108102NM_00108102NM_00108102NM	Mm.375176	74206	ENSMUST0000085809
A_55_P243914	<b>Skap2</b>	src family associated phosphoprotein 2	0.85	1.80	1.61E-05	4.83E-04	NM_018773	NM_018773	NM_018773	Mm.221479	54353	ENSMUST0000078214
A_51_P181132	<b>Skil</b>	SKI-like	0.75	1.68	8.13E-06	3.27E-04	NM_011386	NM_011386	NM_011386	Mm.15406	20482	ENSMUST0000029194
A_52_P614960	<b>Skiv2l</b>	superkiller viralicidic activity 2-like (S. cerevisiae)	1.26	2.39	2.07E-06	1.44E-04	NM_021337	NM_021337	NM_021337	Mm.18845	180777	ENSMUST00000174363
A_51_P476711	<b>Skiv2l2</b>	superkiller viralicidic activity 2-like 2 (S. cerevisiae)	1.42	2.32	3.72E-06	3.06E-04	NM_028151	NM_028151	NM_028151	Mm.291029	27198	ENSMUST0000022281
A_55_P1953874	<b>Skor2</b>	SKI family transcriptional corepressor 2	0.99	1.99	1.18E-05	4.01E-04	NM_00110974NM_00110974NM_00110974NM	NM_00110974NM_00110974NM_00110974NM	NM_00110974NM_00110974NM_00110974NM	Mm.329543	664805	ENSMUST00000168956
A_55_P2087544	<b>Slc12a5</b>	solute carrier family 12, member 5	1.55	2.92	9.28E-06	3.53E-04	NM_020333	NM_020333	NM_020333	Mm.252987	57138	ENSMUST0000090902
A_55_P1972252	<b>Slc12a6</b>	solute carrier family 12, member 6	1.15	2.21	1.58E-05	4.79E-04	NM_133649	NM_133649	NM_133649	Mm.46449	107723	ENSMUST00000110991
A_52_P307752	<b>Slc12a9</b>	solute carrier family 12 (potassium/chloride transporters), member 9	1.05	2.06	8.18E-07	9.27E-05	NM_031406	NM_031406	NM_031406	Mm.235625	83704	ENSMUST0000033991
A_55_P2044242	<b>Slc13a5</b>	solute carrier family 13 (sodium-dependent citrate transporter), member 5	0.56	1.48	7.42E-05	1.24E-03	NM_00100414NM_00100414NM_00100414NM	NM_00100414NM_00100414NM_00100414NM	NM_00100414NM_00100414NM_00100414NM	Mm.340778	237831	ENSMUST0000021161
A_51_P312336	<b>Slc14a1</b>	solute carrier family 14 (urea transporter), member 1	0.85	1.80	7.43E-05	1.24E-03	NM_028122	NM_028122	NM_028122	Mm.38382	108052	ENSMUST00000160639
A_51_P267278	<b>Slc15a2</b>	solute carrier family 15 (H+/peptide transporter), member 2	0.96	1.95	1.55E-05	4.74E-04	NM_021301	NM_021301	NM_021301	Mm.281804	57738	ENSMUST0000023616
A_52_P586129	<b>Slc16a14</b>	solute carrier family 16 (monocarboxylic acid transporters), member 14	0.96	1.95	9.67E-06	3.61E-04	NM_027921	NM_027921	NM_027921	Mm.158764	71781	ENSMUST0000027432
A_52_P408736	<b>Slc16a7</b>	solute carrier family 16 (monocarboxylic acid transporters), member 7	0.92	1.89	1.02E-05	3.72E-04	ENSMUST0000	AK085398	AK085398	Mm.29161	20503	ENSMUST0000045218
A_51_P493117	<b>Slc16a9</b>	solute carrier family 16 (monocarboxylic acid transporters), member 9	1									



A_52_085791	<b>Slc9a7</b>	solute carrier family 9 (sodium/hydrogen exchanger), member	1,74	3,34	5,50E-07	7,71E-05	NM_177353	NM_177353	NM_177353	Mm.132983	236727	ENSMUST0000068892
A_52_029696	<b>Slc9a8</b>	solute carrier family 9 (sodium/hydrogen exchanger), member	0,76	1,69	2,66E-06	1,66E-04	NM_148929	NM_148929	NM_148929	Mm.278924	77031	ENSMUST0000068893
A_52_037523	<b>Slc9a9</b>	solute carrier family 9 (sodium/hydrogen exchanger), member	0,84	1,79	7,58E-05	1,25E-03	NM_177909	NM_177909	NM_177909	Mm.326125	51804	ENSMUST0000068894
A_55_2185832	<b>Sloc1c1</b>	solute carrier organic anion transporter family, member 1c1	1,75	3,36	1,11E-07	3,65E-05	NM_021471	NM_021471	NM_021471	Mm.284495	38007	ENSMUST0000068895
A_55_01989703	<b>Sloc2a1</b>	solute carrier organic anion transporter family, member 2a1	0,53	1,44	1,08E-04	1,59E-03	NM_033314	NM_033314	NM_033314	Mm.207130	24059	ENSMUST0000068897
A_55_01958394	<b>Slit2</b>	slit homolog 2 (Drosophila)	0,77	1,71	7,00E-06	2,98E-04	NM_178804	NM_178804	NM_178804	Mm.289739	36063	ENSMUST0000068898
A_51_0301809	<b>Slit3</b>	slit homolog 3 (Drosophila)	1,18	2,26	5,10E-07	7,35E-05	NM_011412	NM_011412	NM_011412	Mm.478604	20664	ENSMUST0000068899
A_51_0141012	<b>Slitrl1</b>	SLIT and NTRK-like family, member 1	0,74	1,67	1,04E-04	1,55E-03	NM_199065	NM_199065	NM_199065	Mm.257268	76965	ENSMUST0000068900
A_52_0462125	<b>Smarca5p5</b>	SWI/SNF related, matrix associating, actin dependent regulator	1,14	2,21	1,42E-05	4,50E-04	NR_002888	NR_002888	NR_002888	Mm.389595	545700	ENSMUST0000068901
A_66_0116804	<b>Smchd1</b>	SMC hinge domain containing 1	1,47	2,77	2,63E-07	5,52E-05	NM_028887	NM_028887	NM_028887	Mm.194450	74355	ENSMUST0000068902
A_52_0171791	<b>Smg1</b>	SMG1 homolog, phosphatidylinositol 3-kinase-related kinase	0,83	1,78	9,78E-05	1,50E-03	NM_00103181	NM_00103181	NM_00103181	Mm.309053	233789	ENSMUST0000068904
A_66_0137654	<b>Smpd2</b>	sphingomyelin phosphodiesterase 2, neutral	0,91	1,87	4,49E-05	9,00E-04	NM_009213	NM_009213	NM_009213	Mm.953	20598	ENSMUST0000068905
A_51_0479786	<b>Smt1</b>	smoothelin	1,26	2,39	8,63E-08	3,10E-05	NM_013870	NM_013870	NM_013870	Mm.188516	29856	ENSMUST0000068906
A_55_02007525	<b>Smu1</b>	smu-1 suppressor of mec-8 and unc-52 homolog (C. elegans)	0,85	1,80	5,32E-05	1,01E-03	NM_021535	NM_021535	NM_021535	Mm.289929	74255	ENSMUST0000068907
A_52_0600030	<b>Smyd3</b>	SET and MYND domain containing 3	0,91	1,87	5,66E-05	1,04E-03	NM_027188	NM_027188	NM_027188	Mm.222338	69726	ENSMUST0000068908
A_55_02029151	<b>Snap47</b>	synaptosomal-associated protein, 47	1,34	2,53	1,93E-06	1,39E-04	NM_144521	NM_144521	NM_144521	Mm.26680	67826	ENSMUST0000068909
A_52_0467140	<b>Snd1</b>	staphylococcal nuclease and tudor domain containing 1	1,22	2,33	1,90E-05	5,34E-04	NM_019776	NM_019776	NM_019776	Mm.439987	58463	ENSMUST0000068910
A_55_02086677	<b>Snrk</b>	SNF related kinase	0,61	1,52	3,83E-05	8,02E-04	ENSMUST0000	AK082185		Mm.257989	26623	ENSMUST0000068911
A_55_02120682	<b>Snrpa1</b>	small nuclear ribonucleoprotein polypeptide A'	0,72	1,65	5,47E-05	1,02E-03	NM_021336	NM_021336	NM_021336	Mm.22362	60981	ENSMUST0000068912
A_66_0111877	<b>Snrx13</b>	sorting nexin 13	0,91	1,87	4,84E-05	9,48E-04	NM_00101497	NM_00101497	NM_00101497	Mm.213991	217463	ENSMUST0000068913
A_52_0274555	<b>Snrx14</b>	sorting nexin 14	0,72	1,64	2,29E-05	5,96E-04	NM_172926	NM_172926	NM_172926	Mm.439873	244662	ENSMUST0000068915
A_55_01975695	<b>Snrx18</b>	sorting nexin 18	0,73	1,66	8,50E-06	3,35E-04	NM_130796	NM_130796	NM_130796	Mm.33721	107625	ENSMUST0000068916
A_55_01957389	<b>Snrx25</b>	sorting nexin 25	0,52	1,44	1,36E-05	1,23E-03	NM_207213	NM_207213	NM_207213	Mm.267258	102141	ENSMUST0000068917
A_55_02065726	<b>Snrx29</b>	sorting nexin 29	1,35	2,56	8,16E-07	9,25E-05	ENSMUST0000	AK086665		Mm.325831	74478	ENSMUST0000068918
A_55_01952788	<b>Son</b>	Son DNA binding protein	1,44	2,71	6,55E-07	8,34E-05	ENSMUST0000	AB546195		Mm.46401	20658	ENSMUST0000068920
A_55_01960857	<b>Sorbs2</b>	sorbin and SH3 domain containing 2	1,79	3,47	9,72E-05	1,49E-03	NM_00120521	NM_00120521	NM_00120521	Mm.211096	234214	ENSMUST0000068921
A_55_02044587	<b>Sorcs1</b>	VPS10 domain receptor protein SORCS 1	0,66	1,58	5,45E-05	1,02E-03	NM_0012525C	NM_0012525C	NM_0012525C	Mm.313672	58178	ENSMUST0000068922
A_55_02042151	<b>Sorcs2</b>	sorfin-like related VPS10 domain containing receptor 2	1,44	2,71	9,92E-07	1,00E-04	NM_030889	NM_030889	NM_030889	Mm.34113	81840	ENSMUST0000068923
A_66_0123824	<b>Sorrl1</b>	sorlin-related receptor, LDLR class A repeats-containing	1,49	2,81	4,72E-07	7,16E-05	ENSMUST0000	AK162665		Mm.21920	20660	ENSMUST0000068925
A_51_0517145	<b>Sorrl1</b>	sorlin1	0,93	1,90	6,41E-05	1,13E-03	NM_019972	NM_019972	NM_019972	Mm.157119	20661	ENSMUST0000068927
A_52_0475356	<b>Sov6</b>	SRV-box containing gene 6	1,08	2,11	9,90E-05	1,51E-03	NM_011445	NM_011445	NM_011445	Mm.323365	29928	ENSMUST0000068928
A_51_0513530	<b>Spag5</b>	sperm associated antigen 5	1,01	2,01	2,64E-05	6,49E-04	NM_017407	NM_017407	NM_017407	Mm.24250	54141	ENSMUST0000068929
A_55_02046807	<b>Sparc</b>	secreted acidic cysteine rich glycoprotein	0,83	1,78	3,74E-05	7,96E-04	NM_009242	NM_009242	NM_009242	Mm.291442	20692	ENSMUST0000068930
A_66_01122828	<b>Spata31</b>	spermatogenesis associated 31	0,65	1,57	2,21E-05	5,85E-04	NM_030047	NM_030047	NM_030047	Mm.342895	78124	ENSMUST0000068931
A_55_01955279	<b>Spcc1</b>	sperm antigen with calponin homology and coiled-coil domain	1,26	2,39	1,25E-06	1,11E-04	NM_00102993	NM_00102993	NM_00102993	Mm.458025	432572	ENSMUST0000068932
A_55_02087162	<b>Spcc11</b>	sperm antigen with calponin homology and coiled-coil domain	1,29	2,39	3,20E-06	1,87E-04	NM_00114582	NM_00114582	NM_00114582	Mm.27716	74392	ENSMUST0000068934
A_55_02009943	<b>Spem</b>	SPEN homolog, transcriptional regulator (Drosophila)	1,23	2,35	1,27E-07	3,94E-05	NM_019763	NM_019763	NM_019763	Mm.299906	56381	ENSMUST0000068935
A_55_02033849	<b>Sphkap</b>	SPHK1 interactor, AKAP domain containing	1,39	2,63	3,36E-06	1,92E-04	NM_172430	NM_172430	NM_172430	Mm.154303	77629	ENSMUST0000068936
A_55_02082837	<b>Spin1</b>	spindlin 1	0,73	1,65	4,81E-05	9,44E-04	NM_146043	NM_146043	NM_146043	Mm.188432	20729	ENSMUST0000068938
A_55_02081253	<b>Spock3</b>	sparc/osteonectin, cwcv and kazal-like domains proteoglycan	0,68	1,60	8,16E-05	1,32E-03	NM_023689	NM_023689	NM_023689	Mm.334552	72902	ENSMUST0000068940
A_51_0151902	<b>Spond1</b>	spondin 1, (f-spondin) extracellular matrix protein	1,40	2,63	1,16E-05	3,98E-04	NM_145584	NM_145584	NM_145584	Mm.334160	233744	ENSMUST0000068941
A_55_02085142	<b>Spp1</b>	secreted phosphoprotein 1	0,81	1,75	1,20E-04	1,71E-03	NM_00120423	NM_00120423	NM_00120423	Mm.288474	20750	ENSMUST0000068942
A_55_02072985	<b>Sptan1</b>	spectrin alpha, non-erythrocytic 1	2,62	6,15	5,83E-09	8,90E-06	NM_00107655	NM_00107655	NM_00107655	Mm.204969	20740	ENSMUST0000068943
A_51_0489138	<b>Sptb</b>	spectrin beta, erythrocytic	1,56	2,94	4,43E-07	6,97E-05	NM_013675	NM_013675	NM_013675	Mm.32881	20741	ENSMUST0000068945
A_55_02081223	<b>Sptbn1</b>	spectrin beta, non-erythrocytic 1	3,08	8,48	5,18E-10	4,08E-06	NM_175836	NM_175836	NM_175836	Mm.123110	20742	ENSMUST0000068946
A_51_0403799	<b>Sptbn2</b>	spectrin beta, non-erythrocytic 2	2,80	6,97	2,84E-09	6,40E-06	NM_021287	NM_021287	NM_021287	Mm.329668	20743	ENSMUST0000068948
A_55_02075966	<b>Sptbn4</b>	spectrin beta, non-erythrocytic 4	1,33	2,51	7,20E-07	8,85E-05	NM_032610	NM_032610	NM_032610	Mm.459123	80297	ENSMUST0000068949
A_51_0345593	<b>Sptlc1</b>	serine palmitoyltransferase, long chain base subunit 1	1,03	2,04	2,24E-05	5,90E-04	NM_009269	NM_009269	NM_009269	Mm.240336	268656	ENSMUST0000068950
A_51_0321331	<b>Sptlc2</b>	serine palmitoyltransferase, long chain base subunit 2	0,63	1,55	4,57E-05	9,11E-04	NM_011479	NM_011479	NM_011479	Mm.565	20773	ENSMUST0000068951
A_52_025420	<b>Srcin1</b>	SRC kinase signaling inhibitor 1	0,64	1,56	2,75E-05	6,63E-04	NM_018873	NM_018873	NM_018873	Mm.342665	56013	ENSMUST0000068952
A_55_02042510	<b>Srgap1</b>	SLIT-ROBO Rho GTPase activating protein 1	0,95	1,93	3,13E-05	7,15E-04	NM_00108103	NM_00108103	NM_00108103	Mm.288698	117600	ENSMUST0000068953
A_52_0112178	<b>Srgap2</b>	SLIT-ROBO Rho GTPase activating protein 2	1,45	2,73	4,22E-06	2,19E-04	NM_00108101	NM_00108101	NM_00108101	Mm.276259	14270	ENSMUST0000068956
A_55_02137736	<b>Srgap3</b>	SLIT-ROBO Rho GTPase activating protein 3	0,85	1,80	9,56E-05	1,47E-03	NM_080448	NM_080448	NM_080448	Mm.236401	259302	ENSMUST0000068957
A_52_0279184	<b>Srp54a</b>	signal recognition particle 54A	1,11	2,16	3,92E-05	8,20E-04	NM_011899	NM_011899	NM_011899	Mm.471968	24067	ENSMUST0000068959
A_55_02166592	<b>Srrm2</b>	serine/arginine repetitive motif 2	1,04	2,06	1,74E-06	1,31E-04	NM_175229	NM_175229	NM_175229	Mm.5222	75956	ENSMUST0000068960
A_51_0420236	<b>Srrt</b>	serrate RNA effector molecule homolog (Arabidopsis)	0,66	1,58	9,74E-05	1,49E-03	NM_031405	NM_031405	NM_031405	Mm.387734	83701	ENSMUST0000068962
A_66_0125071	<b>Ssb</b>	Sjogren syndrome antigen B	0,86	1,82	4,34E-05	8,80E-04	NM_009278	NM_009278	NM_009278	Mm.105530	20803	ENSMUST0000068963
A_55_02403135	<b>Sh2</b>	shingshot homolog 2 (Drosophila)	1,10	4,29	2,15E-07	4,80E-05	NM_177710	NM_177710	NM_177710	Mm.440381	237860	ENSMUST0000068964
A_51_0314264	<b>Ssr2</b>	signal sequence receptor, beta	2,02	2,03	1,18E-05	4,00E-04	NM_025448	NM_025448	NM_025448	Mm.7091	66256	ENSMUST0000068966
A_52_0312398	<b>Ssr3</b>	signal sequence receptor, gamma	0,69	1,62	8,53E-06	3,35E-04	NM_026155	NM_026155	NM_026155	Mm.327238	67347	ENSMUST0000068967
A_52_0546090	<b>Ssr4</b>	signal sequence receptor, delta	0,81	1,76	9,52E-06	3,58E-04	NM_009279	NM_009279	NM_009279	Mm.831	20432	ENSMUST0000068968
A_51_0432950	<b>Sstr1</b>	somatostatin receptor 1	0,98	1,98	4,82E-07	7,22E-05	NM_009216	NM_009216	NM_009216	Mm.278336	20605	ENSMUST0000068969
A_51_0129546	<b>Sstr4</b>	somatostatin receptor 4	1,13	2,19	2,39E-06	1,57E-04	NM_009219	NM_009219	NM_009219	Mm.35324	20608	ENSMUST0000068971
A_51_0352594	<b>St5</b>	suppression of tumorigenicity 5	1,60	3,04	2,30E-08	1,66E-05	NM_00100132	NM_00100132	NM_00100132	Mm.252009	76954	ENSMUST0000068972
A_51_0101375	<b>St6gal1</b>	beta galactosidase alpha 2,6 sialyltransferase 1	0,58	1,49	3,22E-05	7,27E-04	NM_145933	NM_145933	NM_145933	Mm.149029	20440	ENSMUST0000068973
A_51_0232371	<b>Stab1</b>	stabilin 1	0,99	1,99	2,96E-06	1,79E-04	NM_138672	NM_138672	NM_138672	Mm.220821		



A_55_P2051293	<i>Tbcd</i>	tubulin-specific chaperone d	0,91	1,88	3,32E-05	7,41E-04	NM_029878	NM_029878	NM_029878	Mm.23686	108903	ENSMUST0000069039	
A_55_P2405129	<i>Tbr1</i>	T-box brain gene 1	0,88	1,84	8,41E-06	3,32E-04	NM_009322	NM_009322	NM_009322	Mm.30825	21375	ENSMUST0000069041	
A_55_P621567	<i>Tcf20</i>	transcription factor 20	1,15	2,23	7,06E-07	8,63E-05	NM_00111414	NM_00111414	NM_00111414	Mm.252156	21411	ENSMUST0000069042	
A_55_P2098061	<i>Tchp</i>	trichoplein, keratin filament binding	0,76	1,70	2,07E-05	5,61E-04	NM_029992	NM_029992	NM_029992	Mm.23968	77832	ENSMUST0000069043	
A_51_P214861	<i>Tcigr1</i>	T cell, immune regulator 1, ATPase, H+ transporting, lysosom	0,99	1,99	4,17E-06	2,18E-04	NM_016921	NM_016921	NM_016921	Mm.27169	27060	ENSMUST0000069044	
A_51_P164030	<i>Tcp1</i>	t-complex protein 1	1,64	3,11	4,32E-08	2,20E-05	NM_013686	NM_013686	NM_013686	Mm.229342	21454	ENSMUST0000069045	
A_55_P1999834	<i>Tenm1</i>	teneurin transmembrane protein 1	1,94	3,84	1,42E-07	4,10E-05	ENSMUST0000			0	0	23963	ENSMUST0000069046
A_55_P21011290	<i>Tenm2</i>	teneurin transmembrane protein 2	1,52	2,88	4,28E-06	2,21E-04	NM_011856	NM_011856	NM_011856	Mm.43989	23964	ENSMUST0000069048	
A_55_P2028971	<i>Tenm3</i>	teneurin transmembrane protein 3	1,20	2,29	9,38E-06	3,55E-04	NM_011857	NM_011857	NM_011857	Mm.42191	23965	ENSMUST0000069049	
A_55_P2141088	<i>Tenm4</i>	teneurin transmembrane protein 4	1,65	3,13	4,51E-08	2,22E-05	ENSMUST0000			0	0	23966	ENSMUST0000069051
A_51_P506755	<i>Tep1</i>	telomerase associated protein 1	1,02	2,03	1,00E-04	1,52E-03	NM_009351	NM_009351	NM_009351	Mm.318736	21745	ENSMUST0000069053	
A_55_P1961320	<i>Tes</i>	testis derived transcript	2,32	5,01	6,83E-08	2,81E-05	NM_207176	NM_207176	NM_207176	Mm.436548	21753	ENSMUST0000069054	
A_52_P394539	<i>Tex2</i>	testis expressed gene 2	0,63	1,55	6,10E-05	1,09E-03	NM_198292	NM_198292	NM_198292	Mm.102407	21763	ENSMUST0000069055	
A_55_P1970097	<i>Tex28</i>	testis expressed 28	0,96	1,94	3,36E-06	1,92E-04	NM_00112648	NM_00112648	NM_00112648	Mm.475616	385380	ENSMUST0000069056	
A_51_P502348	<i>Tip11</i>	tuftsin interacting protein 11	0,91	1,88	2,95E-05	6,91E-04	NM_018783	NM_018783	NM_018783	Mm.172947	54723	ENSMUST0000069057	
A_51_P167876	<i>Tfr</i>	transferrin receptor	1,39	2,62	6,47E-06	2,85E-04	NM_011638	NM_011638	NM_011638	Mm.28883	22042	ENSMUST0000069058	
A_51_P212754	<i>Tgfb1</i>	transforming growth factor, beta induced	0,73	1,66	2,51E-05	6,27E-04	NM_009369	NM_009369	NM_009369	Mm.14455	21810	ENSMUST0000069056	
A_65_P16059	<i>Tgfb3</i>	transforming growth factor, beta receptor III	1,75	3,68	1,47E-04	1,95E-03	NM_011578	NM_011578	NM_011578	Mm.200775	21814	ENSMUST0000069067	
A_55_P2118575	<i>Tgs1</i>	trimethylguanosine synthase homolog (S. cerevisiae)	0,01	2,02	5,96E-06	2,72E-04	NM_054089	NM_054089	NM_054089	Mm.171323	116940	ENSMUST0000069068	
A_55_P2275402	<i>Th</i>	tyrosine hydroxylase	1,59	3,50	7,75E-05	1,27E-03	NM_009377	NM_009377	NM_009377	Mm.1292	21823	ENSMUST0000069069	
A_51_P461877	<i>Thbs2</i>	thrombospondin 2	1,30	2,46	3,41E-06	1,94E-04	NM_011581	NM_011581	NM_011581	Mm.26688	21826	ENSMUST0000069070	
A_52_P401504	<i>Thbs4</i>	thrombospondin 4	0,95	1,94	1,60E-05	4,82E-04	NM_011582	NM_011582	NM_011582	Mm.20865	21828	ENSMUST0000069071	
A_55_P2091201	<i>Thns1f</i>	threonine synthase-like 1 (bacterial)	1,74	3,67	1,14E-05	3,95E-04	NM_177588	NM_177588	NM_177588	Mm.268841	208967	ENSMUST0000069072	
A_55_P2161219	<i>Thsd7a</i>	thrombospondin, type 1, domain containing 7A	1,19	2,29	2,94E-06	1,79E-04	NM_00103342	NM_00103342	NM_00103342	Mm.259498	331401	ENSMUST0000069073	
A_51_P256066	<i>Tiam2</i>	T cell lymphoma invasion and metastasis 2	0,97	1,95	8,99E-06	3,47E-04	NM_011878	NM_011878	NM_011878	Mm.137134	24001	ENSMUST0000069077	
A_52_P679101	<i>Tjp2</i>	tight junction protein 2	0,63	1,54	1,44E-04	1,93E-03	NM_011597	NM_011597	NM_011597	Mm.104744	21813	ENSMUST0000069078	
A_55_P2108599	<i>Tlcd1</i>	TLC domain containing 1	1,02	2,02	6,45E-06	2,85E-04	NM_026708	NM_026708	NM_026708	Mm.390375	68385	ENSMUST0000069079	
A_52_P451888	<i>Tlk2</i>	tousled-like kinase 2 (Arabidopsis)	0,80	1,74	1,52E-04	1,99E-03	NM_011903	NM_011903	NM_011903	Mm.126976	24086	ENSMUST0000069080	
A_55_P1956973	<i>Tln1</i>	talin 1	1,18	2,27	1,62E-06	1,25E-04	NM_011602	NM_011602	NM_011602	Mm.208601	21894	ENSMUST0000069081	
A_55_P2071834	<i>Tln2</i>	talin 2	1,27	2,41	9,59E-08	3,25E-05	NM_00108124	NM_00108124	NM_00108124	Mm.38645	70549	ENSMUST0000069083	
A_51_P504588	<i>Tm2d2</i>	TM2 domain containing 2	0,82	1,77	3,09E-05	7,10E-04	NM_027194	NM_027194	NM_027194	Mm.28626	69742	ENSMUST0000069085	
A_55_P2032222	<i>Tmsf2</i>	transmembrane 9 superfamily member 2	1,41	2,65	1,40E-05	4,46E-04	NM_080556	NM_080556	NM_080556	Mm.275191	68059	ENSMUST0000069086	
A_51_P368713	<i>Tmbim4</i>	transmembrane BAX inhibitor motif containing 4	1,11	2,16	4,55E-06	2,29E-04	NM_026617	NM_026617	NM_026617	Mm.154726	62812	ENSMUST0000069088	
A_51_P454993	<i>Tmcc2</i>	transmembrane and coiled-coil domains 2	0,59	1,50	1,05E-04	1,57E-03	NM_178874	NM_178874	NM_178874	Mm.273785	68875	ENSMUST0000069089	
A_55_P2038117	<i>Tmem104</i>	transmembrane protein 104	0,56	1,47	2,81E-05	6,72E-04	NM_00103339	NM_00103339	NM_00103339	Mm.260587	320534	ENSMUST0000069090	
A_52_P429749	<i>Tmem115</i>	transmembrane protein 115	0,67	1,59	1,03E-04	1,54E-03	NM_019704	NM_019704	NM_019704	Mm.260165	56395	ENSMUST0000069091	
A_51_P375693	<i>Tmem135</i>	transmembrane protein 135	0,92	1,89	7,35E-05	1,23E-03	NM_028343	NM_028343	NM_028343	Mm.208443	72759	ENSMUST0000069092	
A_52_P515094	<i>Tmem176a</i>	transmembrane protein 176A	1,12	2,17	2,89E-06	1,76E-04	NM_025326	NM_025326	NM_025326	Mm.27061	66058	ENSMUST0000069093	
A_66_P111322	<i>Tmem178b</i>	transmembrane protein 178B	0,93	1,90	1,04E-04	1,55E-03	NM_00100418	NM_00100418	NM_00100418	Mm.310029	344008	ENSMUST0000069096	
A_51_P392090	<i>Tmem19</i>	transmembrane protein 19	0,62	1,53	6,37E-05	1,13E-03	NM_133683	NM_133683	NM_133683	Mm.29647	67226	ENSMUST0000069097	
A_55_P2183622	<i>Tmem201</i>	transmembrane protein 201	0,59	1,51	1,44E-04	1,93E-03	NM_177672	NM_177672	NM_177672	Mm.266704	230917	ENSMUST0000069098	
A_55_P2444965	<i>Tmem245</i>	transmembrane protein 245	0,88	1,84	4,19E-05	8,59E-04	NM_175518	NM_175518	NM_175518	Mm.296632	242474	ENSMUST0000069099	
A_52_P518270	<i>Tmem255a</i>	transmembrane protein 255A	1,06	2,09	2,76E-06	1,70E-04	NM_172930	NM_172930	NM_172930	Mm.72979	245386	ENSMUST0000069101	
A_52_P263201	<i>Tmem33</i>	transmembrane protein 33	0,88	1,84	1,46E-05	4,59E-04	NM_030108	NM_030108	NM_030108	Mm.23217	67878	ENSMUST0000069102	
A_51_P407606	<i>Tmem48</i>	transmembrane protein 48	0,89	1,85	3,89E-05	8,16E-04	NM_028355	NM_028355	NM_028355	Mm.28478	72787	ENSMUST0000069103	
A_51_P265545	<i>Tmem57</i>	transmembrane protein 57	0,58	1,49	1,04E-04	1,55E-03	NM_025382	NM_025382	NM_025382	Mm.99793	66146	ENSMUST0000069104	
A_55_P2045268	<i>Tmem59</i>	transmembrane protein 59	0,92	1,89	6,50E-05	1,14E-03	NM_029565	NM_029565	NM_029565	Mm.291192	56374	ENSMUST0000069105	
A_51_P204387	<i>Tmem63c</i>	transmembrane protein 63c	0,92	1,89	2,00E-05	5,51E-04	NM_172583	NM_172583	NM_172583	Mm.110033	217733	ENSMUST0000069106	
A_51_P484753	<i>Tmem66</i>	transmembrane protein 66	0,66	1,58	4,55E-05	1,02E-03	NM_026432	NM_026432	NM_026432	Mm.29353	67887	ENSMUST0000069107	
A_55_P1970474	<i>Tmem67</i>	transmembrane protein 67	0,87	1,82	7,94E-05	1,29E-03	NM_177861	NM_177861	NM_177861	Mm.475125	329795	ENSMUST0000069108	
A_55_P1969850	<i>Tmem68</i>	transmembrane protein 68	1,18	2,26	1,85E-05	5,27E-04	NM_028097	NM_028097	NM_028097	Mm.490391	72098	ENSMUST0000069109	
A_55_P2216996	<i>Tmem87a</i>	transmembrane protein 87A	1,28	2,43	8,14E-08	3,00E-05	NM_0011049	NM_0011049	NM_0011049	Mm.260712	211499	ENSMUST0000069110	
A_51_P212473	<i>Tmtc3</i>	transmembrane and tetraicopeptide repeat containing 3	1,34	2,54	5,17E-07	7,41E-05	NM_00103333	NM_00103333	NM_00103333	Mm.296805	237500	ENSMUST0000069111	
A_55_P2023777	<i>Tmx2</i>	thioredoxin-related transmembrane protein 2	0,68	1,60	7,28E-05	1,23E-03	NM_025868	NM_025868	NM_025868	Mm.371621	66958	ENSMUST0000069112	
A_51_P319379	<i>Tmx4</i>	thioredoxin-related transmembrane protein 4	1,26	2,40	2,04E-05	5,56E-04	NM_029148	NM_029148	NM_029148	Mm.264096	52837	ENSMUST0000069113	
A_52_P355169	<i>Tnc</i>	tenascin C	2,48	5,59	2,84E-08	1,75E-05	NM_011607	NM_011607	NM_011607	Mm.454219	21923	ENSMUST0000069114	
A_51_P385099	<i>Tnf</i>	tumor necrosis factor	0,80	1,74	3,36E-05	7,45E-04	NM_013693	NM_013693	NM_013693	Mm.1293	21926	ENSMUST0000069116	
A_52_P663757	<i>Tnik</i>	TRAF2 and NCK interacting kinase	1,10	2,14	4,53E-06	2,28E-04	NM_026910	NM_026910	NM_026910	Mm.126193	66153	ENSMUST0000069119	
A_52_P127024	<i>Tnks</i>	tankyrase, TRF-1-interacting ankyrin-related ADP-ribosyl polymer	1,30	2,47	1,13E-05	3,93E-04	NM_175091	NM_175091	NM_175091	Mm.88364	21951	ENSMUST0000069120	
A_51_P221362	<i>Tnks2</i>	tankyrase, TRF-1-interacting ankyrin-related ADP-ribosyl polymer	0,57	1,49	6,27E-05	1,11E-03	NM_00116363	NM_00116363	NM_00116363	Mm.249310	74493	ENSMUST0000069122	
A_52_P420308	<i>Tnpo1</i>	transportin 1	0,73	1,66	8,32E-05	1,34E-03	ENSMUST0000			BC058670	Mm.173286	238799	ENSMUST0000069123
A_52_P480544	<i>Tnpo2</i>	transportin 2 (importin 3, karyopherin beta 2b)	0,89	1,85	8,71E-06	3,40E-04	NM_145390	NM_145390	NM_145390	Mm.220357	212999	ENSMUST0000069124	
A_55_P1974957	<i>Tnr</i>	tenascin R	1,24	2,35	1,64E-07	4,37E-05	NM_022312	NM_022312	NM_022312	Mm.44701	21960	ENSMUST0000069125	
A_55_P2030578	<i>Tns1</i>	tensin 1	0,70	1,62	1,47E-04	1,95E-03	NM_027884	NM_027884	NM_027884	Mm.309975	21961	ENSMUST0000069126	
A_52_P403443	<i>Tns3</i>	tensin 3	1,29	2,44	1,98E-06	1,41E-04	NM_00108358	NM_00108358	NM_00108358	Mm.337820	319939	ENSMUST0000069127	
A_55_P1989296	<i>Tnxb</i>	tenascin XB	1,77	3,42	7,35E-08	2,84E-05	NM_031176	NM_031176	NM_031176	Mm.290527	81877	ENSMUST0000069128	
A_55_P2133047	<i>Tollip</i>	toll interacting protein	1,14	2,20	4,86E-06	2,38E-04	NM_023764	NM_023764	NM_023764	Mm.103551	54473	ENSMUST0000069129	

A_52_P244496	<b>U2surp</b>	U2 snRNP-associated SURP domain containing	0.88	1.84	1.49E-05	4.62E-04	NM_00111497	NM_00111497	NM_00111497	Mm.292742	67958	ENSMUST0000069186
A_55_P1971966	<b>Uba1</b>	ubiquitin-like modifier activating enzyme 1	1.24	2.36	6.28E-07	8.24E-05	NM_00113608	NM_00113608	NM_00113608	Mm.1104	22201	ENSMUST0000069187
A_55_P2136020	<b>Uba2</b>	ubiquitin-like modifier activating enzyme 2	0.67	1.59	4.35E-05	8.81E-04	NM_016682	NM_016682	NM_016682	Mm.27560	50995	ENSMUST0000069188
A_52_P671062	<b>Uba6</b>	ubiquitin-like modifier activating enzyme 6	1.32	2.49	7.05E-07	6.83E-05	NM_127212	NM_127212	NM_127212	Mm.486425	213380	ENSMUST0000069189
A_55_P1996941	<b>Uba2c</b>	ubiquitin-conjugating enzyme E2C	1.13	2.19	1.05E-06	1.02E-04	NM_026785	NM_026785	NM_026785	Mm.89830	68612	ENSMUST0000069190
A_51_P499061	<b>Ube2o</b>	ubiquitin-conjugating enzyme E2O	1.31	2.48	2.22E-06	1.50E-04	NM_173755	NM_173755	NM_173755	Mm.243950	61242	ENSMUST0000069191
A_55_P2077994	<b>Ube2v2</b>	ubiquitin-conjugating enzyme E2 variant 2	0.95	1.93	3.66E-06	2.03E-04	NM_023585	NM_023585	NM_023585	Mm.235407	70620	ENSMUST0000069192
A_55_P2158627	<b>Ube4a</b>	ubiquitination factor E4A, UFD2 homolog (S. cerevisiae)	0.78	1.72	4.59E-05	9.14E-04	ENSMUST0000	BC006649	BC006649	Mm.215069	140630	ENSMUST0000069193
A_55_P2074908	<b>Ube4b</b>	ubiquitination factor E4B, UFD2 homolog (S. cerevisiae)	0.71	1.63	4.22E-05	8.62E-04	NM_022022	NM_022022	NM_022022	Mm.393991	63958	ENSMUST0000069194
A_51_P107938	<b>Ubr1</b>	ubiquitin protein ligase E3 component n-recognin 1	1.31	2.48	1.35E-05	4.35E-04	NM_009461	NM_009461	NM_009461	Mm.89830	22222	ENSMUST0000069195
A_55_P2008576	<b>Ubr2</b>	ubiquitin protein ligase E3 component n-recognin 2	1.34	2.54	4.65E-07	7.10E-05	NM_00117737	NM_00117737	NM_00117737	Mm.28234	224826	ENSMUST0000069196
A_52_P160418	<b>Ubr3</b>	ubiquitin protein ligase E3 component n-recognin 3	1.62	3.08	1.83E-07	4.50E-05	NM_177783	NM_177783	NM_177783	Mm.134576	68795	ENSMUST0000069197
A_52_P647607	<b>Ubr4</b>	ubiquitin protein ligase E3 component n-recognin 4	2.47	5.53	9.04E-09	1.03E-05	NM_00116031	NM_00116031	NM_00116031	Mm.271956	69116	ENSMUST0000069200
A_55_P1980651	<b>Ubr5</b>	ubiquitin protein ligase E3 component n-recognin 5	1.20	2.29	3.96E-06	2.12E-04	NM_00108135	NM_00108135	NM_00108135	Mm.476840	70790	ENSMUST0000069202
A_52_P24308	<b>Uchl1</b>	ubiquitin carboxy-terminal hydrolase L1	0.73	1.65	6.07E-05	1.09E-03	NM_011670	NM_011670	NM_011670	Mm.29807	22223	ENSMUST0000069203
A_51_P446417	<b>Ufl1</b>	UFM1-specific ligase 1	1.13	2.19	2.15E-06	1.47E-04	NM_026194	NM_026194	NM_026194	Mm.226295	67400	ENSMUST0000069204
A_55_P2016089	<b>Uggt1</b>	UDP-glucosyltransferase glucosyltransferase 1	0.55	1.46	1.44E-04	1.93E-03	NM_198899	NM_198899	NM_198899	Mm.261022	320911	ENSMUST0000069205
A_52_P439263	<b>Ugt8a</b>	UDP galactosyltransferase 8A	0.99	1.99	6.57E-05	1.15E-03	NM_011674	NM_011674	NM_011674	Mm.306021	22239	ENSMUST0000069206
A_66_P120074	<b>Uhrf1</b>	ubiquitin-like, containing PHD and RING finger domains, 1	1.07	2.10	5.19E-05	9.87E-04	NM_00111107	NM_00111107	NM_00111107	Mm.42196	18140	ENSMUST0000069207
A_55_P1983070	<b>Uhrf1b1p1</b>	UHRF1 (ICBP90) binding protein 1	0.73	1.66	8.48E-05	1.35E-03	NM_00108076	NM_00108076	NM_00108076	Mm.291291	224648	ENSMUST0000069208
A_51_P141772	<b>Uhrf2</b>	ubiquitin-like, containing PHD and RING finger domains 2	1.74	1.67	7.90E-06	3.20E-04	NM_144873	NM_144873	NM_144873	Mm.313364	109113	ENSMUST0000069209
A_55_P2427900	<b>Unc13c</b>	unc-13 homolog C (C. elegans)	1.40	2.65	4.06E-07	6.72E-05	NM_00108115	NM_00108115	NM_00108115	Mm.41035	208898	ENSMUST0000069210
A_55_P2026794	<b>Unc50</b>	unc-50 homolog (C. elegans)	0.99	1.99	8.62E-06	3.38E-04	NM_026123	NM_026123	NM_026123	Mm.274040	67387	ENSMUST0000069211
A_52_P380301	<b>Unc5c</b>	unc-5 homolog C (C. elegans)	1.19	2.28	1.01E-06	1.01E-04	NM_009472	NM_009472	NM_009472	Mm.24430	22253	ENSMUST0000069212
A_55_P2073313	<b>Unc79</b>	unc-79 homolog C (C. elegans)	0.65	1.57	4.92E-05	9.56E-04	NM_00108101	NM_00108101	NM_00108101	Mm.387073	127843	ENSMUST0000069213
A_55_P2003586	<b>Umk1</b>	unkeft-like (Drosophila)	0.57	1.48	6.57E-05	1.15E-03	NM_00119702	NM_00119702	NM_00119702	Mm.267353	74154	ENSMUST0000069214
A_51_P183051	<b>Upb1</b>	ureidopropionase, beta	1.64	3.12	2.16E-06	1.47E-04	NM_133995	NM_133995	NM_133995	Mm.441195	103149	ENSMUST0000069215
A_51_P128648	<b>Uqcrc2</b>	ubiquinol cytochrome c reductase core protein 2	0.87	1.83	9.86E-05	1.50E-03	NM_025899	NM_025899	NM_025899	Mm.334206	67003	ENSMUST0000069216
A_52_P484118	<b>Urb2</b>	URB2 ribosome biogenesis 2 homolog (S. cerevisiae)	0.83	1.77	4.44E-05	8.93E-04	NM_00102987	NM_00102987	NM_00102987	Mm.334891	382038	ENSMUST0000069217
A_55_P2060722	<b>Usa1</b>	USO1 vesicle docking factor	0.96	1.95	3.85E-05	8.12E-04	NM_019490	NM_019490	NM_019490	Mm.15868	56041	ENSMUST0000069218
A_51_P315673	<b>Usp11</b>	ubiquitin specific peptidase 11	1.07	2.10	1.35E-05	4.37E-04	NM_145628	NM_145628	NM_145628	Mm.34489	236733	ENSMUST0000069219
A_51_P104077	<b>Usp13</b>	ubiquitin specific peptidase 13 (isopeptidase T-3)	0.57	1.48	3.68E-05	7.85E-04	NM_00101302	NM_00101302	NM_00101302	Mm.316153	72607	ENSMUST0000069220
A_65_P11632	<b>Usp14</b>	ubiquitin specific peptidase 14	0.97	1.96	5.54E-05	1.03E-03	NM_021522	NM_021522	NM_021522	Mm.329277	59025	ENSMUST0000069221
A_55_P2099785	<b>Usp15</b>	ubiquitin specific peptidase 15	0.88	1.84	1.09E-04	1.60E-03	NM_027604	NM_027604	NM_027604	Mm.244209	14429	ENSMUST0000069222
A_66_P138769	<b>Usp19</b>	ubiquitin specific peptidase 19	1.53	2.89	3.02E-07	5.92E-05	NM_00116837	NM_00116837	NM_00116837	Mm.289706	71472	ENSMUST0000069223
A_55_P1974238	<b>Usp20</b>	ubiquitin specific peptidase 20	0.95	1.93	1.57E-05	4.78E-04	NM_028846	NM_028846	NM_028846	Mm.346654	74720	ENSMUST0000069225
A_55_P2440032	<b>Usp24</b>	ubiquitin specific peptidase 24	1.65	3.13	4.40E-07	6.97E-05	NM_183225	NM_183225	NM_183225	Mm.234544	329908	ENSMUST0000069227
A_51_P257982	<b>Usp29</b>	ubiquitin specific peptidase 29	0.74	1.67	1.40E-04	1.89E-03	NM_001323	NM_001323	NM_001323	Mm.40752	57575	ENSMUST0000069229
A_52_P452019	<b>Usp31</b>	ubiquitin specific peptidase 31	0.64	1.56	1.15E-04	1.66E-03	NM_00103317	NM_00103317	NM_00103317	Mm.122538	76179	ENSMUST0000069230
A_55_P2179335	<b>Usp33</b>	ubiquitin specific peptidase 33	1.36	2.57	1.10E-06	1.05E-04	NM_133247	NM_133247	NM_133247	Mm.258320	170822	ENSMUST0000069231
A_52_P58059	<b>Usp34</b>	ubiquitin specific peptidase 34	1.73	3.31	1.41E-06	1.18E-04	NM_00119040	NM_00119040	NM_00119040	Mm.119155	17847	ENSMUST0000069232
A_65_P202321	<b>Usp36</b>	ubiquitin specific peptidase 36	0.82	1.77	7.75E-05	1.27E-03	NM_00103352	NM_00103352	NM_00103352	Mm.90233	72344	ENSMUST0000069233
A_51_P131216	<b>Usp54</b>	ubiquitin specific peptidase 54	0.85	1.80	9.65E-06	3.61E-04	NM_030180	NM_030180	NM_030180	Mm.301173	78787	ENSMUST0000069234
A_52_P622391	<b>Usp9x</b>	ubiquitin specific peptidase 9, X chromosome	1.77	3.40	1.13E-07	3.70E-05	NM_009481	NM_009481	NM_009481	Mm.242646	22284	ENSMUST0000069235
A_51_P347467	<b>Utp14a</b>	UTP14, US small nuclear ribonucleoprotein, homolog A (yea)	0.81	1.75	4.49E-05	8.99E-04	NM_028276	NM_028276	NM_028276	Mm.336045	72554	ENSMUST0000069236
A_55_P2122027	<b>Utrn</b>	utrophin	1.19	2.28	3.92E-04	1.16E-02	NM_011682	NM_011682	NM_011682	Mm.331784	22288	ENSMUST0000069237
A_51_P203501	<b>Vars</b>	valyl-tRNA synthetase	1.03	2.04	1.90E-06	1.37E-04	NM_011690	NM_011690	NM_011690	Mm.28420	23221	ENSMUST0000069238
A_51_P210956	<b>Vcam1</b>	vascular cell adhesion molecule 1	1.48	2.80	1.29E-05	4.25E-04	NM_011693	NM_011693	NM_011693	Mm.76649	22329	ENSMUST0000069239
A_55_P1960208	<b>Vcan</b>	versican	1.58	2.98	2.70E-05	6.56E-04	NM_172955	NM_172955	NM_172955	Mm.158700	13003	ENSMUST0000069241
A_66_P133244	<b>Vcl</b>	vinculin	1.56	2.95	3.00E-07	5.90E-05	NM_009502	NM_009502	NM_009502	Mm.279361	22330	ENSMUST0000069243
A_52_P638895	<b>Vegfa</b>	vascular endothelial growth factor A	0.71	1.64	9.15E-05	1.43E-03	NM_00102525	NM_00102525	NM_00102525	Mm.282184	22339	ENSMUST0000069245
A_52_P96552	<b>Vkorc11f</b>	vitamin K epoxide reductase complex, subunit 1-like 1	0.81	1.76	8.88E-05	1.40E-03	NM_002712	NM_002712	NM_002712	Mm.281178	69568	ENSMUST0000069246
A_55_P2026790	<b>Vprbp</b>	Vpr (HIV-1) binding protein	1.00	2.00	5.56E-05	1.03E-03	NM_00101550	NM_00101550	NM_00101550	Mm.489783	321006	ENSMUST0000069247
A_51_P356822	<b>Vps13c</b>	vacuolar protein sorting 13C	1.20	2.30	1.82E-07	4.50E-05	AK048766	AK048766	AK048766	Mm.241454	320528	ENSMUST0000069249
A_51_P175974	<b>Vps13d</b>	vacuolar protein sorting 13D	1.28	2.42	3.19E-07	6.03E-05	ENSMUST0000	AK134463	AK134463	Mm.476866	230895	ENSMUST0000069250
A_51_P109840	<b>Vtn</b>	vitronectin	1.21	2.32	1.83E-06	1.35E-04	NM_011707	NM_011707	NM_011707	Mm.3667	22370	ENSMUST0000069251
A_55_P218012	<b>Vwa8</b>	von Willebrand factor A domain containing 8	1.26	2.40	1.85E-06	1.36E-04	NM_173758	NM_173758	NM_173758	Mm.159651	219189	ENSMUST0000069261
A_52_P597860	<b>Wasf2</b>	WAS protein family, member 2	0.89	1.86	1.25E-06	1.11E-04	NM_153423	NM_153423	NM_153423	Mm.23666	242887	ENSMUST0000069263
A_52_P96782	<b>Wasl</b>	Wiskott-Aldrich syndrome-like (human)	0.75	1.68	6.93E-06	2.96E-04	NM_028459	NM_028459	NM_028459	Mm.1574	73178	ENSMUST0000069264
A_55_P1977330	<b>Wbp11</b>	WW domain binding protein 11	1.00	1.87	1.04E-05	3.77E-04	NM_021714	NM_021714	NM_021714	Mm.141197	60321	ENSMUST0000069265
A_55_P1978875	<b>Wbp7</b>	WW domain binding protein 7	1.24	2.36	4.14E-07	6.75E-05	NM_029274	NM_029274	NM_029274	Mm.168688	75410	ENSMUST0000069266
A_55_P2457360	<b>Wdfy3</b>	WD repeat and FYVE domain containing 3	1.68	3.20	2.02E-07	4.69E-05	NM_172882	NM_172882	NM_172882	Mm.335252	72145	ENSMUST0000069267
A_52_P409675	<b>Wdr11</b>	WD repeat domain 11	0.81	1.76	7.52E-06	3.10E-04	NM_172255	NM_172255	NM_172255	Mm.229323	20245	ENSMUST0000069269
A_51_P112445	<b>Wdr3</b>	WD repeat domain 3	1.82	3.23	4.05E-06	2.15E-04	NM_175552	NM_175552	NM_175552	Mm.24591	269470	ENSMUST0000069270
A_52_P218002	<b>Wdr36</b>	WD repeat domain 36	1.23	2.34	1.43E-06	1.19E-04	NM_144863	NM_144863	NM_144863	Mm.38816	225348	ENSMUST0000069273
A_52_P434052	<b>Wdr37</b>	WD repeat domain 37	1.06	2.09	2							

A_55_P2029136	<b>Zfp287</b>	zinc finger protein 287	0.77	1.71	7.23E-06	3.04E-04	NM_133208	NM_133208	NM_133208	Mm.339982	170740	ENSMUST0000069343
A_51_P275591	<b>Zfp292</b>	zinc finger protein 292	0.89	1.85	1.62E-05	4.85E-04	NM_013889	NM_013889	NM_013889	Mm.38193	30046	ENSMUST0000069344
A_52_P509185	<b>Zfp318</b>	zinc finger protein 318	1.95	3.87	2.44E-08	1.69E-05	NM_207671	NM_207671	NM_207671	Mm.439916	57908	ENSMUST0000069345
A_52_P312371	<b>Zfp345</b>	zinc finger protein 345	0.67	1.59	5.47E-05	1.02E-03	NM_0010349C	NM_0010349C	NM_0010349C	Mm.451002	545471	ENSMUST0000069347
A_51_P273705	<b>Zfp354c</b>	zinc finger protein 354C	1.02	2.03	1.67E-06	1.29E-04	NM_13922	NM_13922	NM_13922	Mm.103674	30944	ENSMUST0000069348
A_52_P61703	<b>Zfp369</b>	zinc finger protein 369	1.08	2.12	5.02E-05	9.67E-04	NM_178364	NM_178364	NM_178364	Mm.151546	170936	ENSMUST0000069349
A_55_P2153941	<b>Zfp386</b>	zinc finger protein 386 (Kruppel-like)	0.95	1.93	7.04E-06	2.99E-04	NM_0010406E	NM_0010406E	NM_0010406E	Mm.254997	56220	ENSMUST0000069351
A_51_P372895	<b>Zfp433</b>	RIKEN cDNA 1700123A16 gene	0.78	1.72	3.70E-05	7.91E-04	NM_0012430E	NM_0012430E	NM_0012430E	Mm.490466	73610	ENSMUST0000069353
A_51_P446583	<b>Zfp445</b>	zinc finger protein 445	0.87	1.83	1.48E-05	4.60E-04	NM_173364	NM_173364	NM_173364	Mm.326477	235682	ENSMUST0000069354
A_55_P2059085	<b>Zfp457</b>	zinc finger protein 457	1.10	2.14	9.16E-06	3.50E-04	NM_0010036E	NM_0010036E	NM_0010036E	Mm.439456	431706	ENSMUST0000069355
A_51_P357207	<b>Zfp518b</b>	zinc finger protein 518B	0.88	1.84	8.56E-05	1.36E-03	NM_00108114	NM_00108114	NM_00108114	Mm.38277	100515	ENSMUST0000069356
A_55_P2159665	<b>Zfp534</b>	zinc finger protein 534	0.85	1.80	7.05E-05	1.20E-03	NM_00112718	NM_00112718	NM_00112718	Mm.327194	100503584	ENSMUST0000069357
A_51_P218953	<b>Zfp536</b>	zinc finger protein 536	0.98	1.98	9.45E-07	9.79E-05	NM_172385	NM_172385	NM_172385	Mm.376309	243937	ENSMUST0000069358
A_55_P1976529	<b>Zfp551</b>	zinc finger protein 551	1.25	2.38	2.44E-06	1.68E-04	NM_00103382	NM_00103382	NM_00103382	Mm.361832	619331	ENSMUST0000069360
A_55_P2000903	<b>Zfp558</b>	zinc finger protein 558	1.27	2.41	8.64E-06	3.38E-04	NM_00100757	NM_00100757	NM_00100757	Mm.478914	238693	ENSMUST0000069362
A_52_P400857	<b>Zfp595</b>	zinc finger protein 595	1.28	2.43	4.47E-06	2.27E-04	NM_177622	NM_177622	NM_177622	Mm.289695	218314	ENSMUST0000069363
A_55_P2130032	<b>Zfp599</b>	zinc finger protein 599	0.85	1.81	1.49E-05	4.62E-04	NM_181419	NM_181419	NM_181419	Mm.292381	235048	ENSMUST0000069364
A_66_P124732	<b>Zfp606</b>	zinc finger protein 606	0.66	1.58	7.14E-05	1.21E-03	NM_026112	NM_026112	NM_026112	Mm.98929	67370	ENSMUST0000069365
A_55_P2173373	<b>Zfp622</b>	zinc finger protein 622	0.74	1.67	3.83E-06	2.08E-04	NM_00102484	NM_00102484	NM_00102484	Mm.16650	22720	ENSMUST0000069366
A_55_P2083997	<b>Zfp664</b>	zinc finger protein 664	0.66	1.58	5.70E-05	1.05E-03	NM_00108175	NM_00108175	NM_00108175	Mm.138617	269704	ENSMUST0000069367
A_55_P1982234	<b>Zfp708</b>	zinc finger protein 708	0.86	1.81	7.29E-05	1.23E-03	NM_00101232	NM_00101232	NM_00101232	Mm.458849	432769	ENSMUST0000069368
A_51_P472621	<b>Zfp719</b>	zinc finger protein 719	0.77	1.71	2.06E-05	5.61E-04	NM_172482	NM_172482	NM_172482	Mm.234422	210105	ENSMUST0000069369
A_51_P366227	<b>Zfp799</b>	zinc finger protein 799	0.97	1.96	4.01E-05	8.35E-04	NM_177359	NM_177359	NM_177359	Mm.476307	240064	ENSMUST0000069370
A_55_P2046478	<b>Zfp81</b>	zinc finger protein 81	0.88	1.84	4.10E-05	8.45E-04	NM_207541	NM_207541	NM_207541	Mm.170029	224694	ENSMUST0000069371
A_55_P1967301	<b>Zfp85-rs1</b>	zinc finger protein 85, related sequence 1	1.16	2.23	2.69E-06	1.67E-04	NM_00100113	NM_00100113	NM_00100113	Mm.288396	22746	ENSMUST0000069373
A_51_P366290	<b>Zfp865</b>	zinc finger protein 865	0.77	1.70	1.22E-04	1.72E-03	NM_0010333E	NM_0010333E	NM_0010333E	Mm.86607	319748	ENSMUST0000069374
A_52_P493322	<b>Zfp866</b>	zinc finger protein 866	0.66	1.58	6.77E-05	1.17E-03	NM_177899	NM_177899	NM_177899	Mm.41364	330788	ENSMUST0000069375
A_51_P341664	<b>Zfp87</b>	zinc finger protein 87	1.05	2.07	1.07E-05	3.81E-04	NM_133228	NM_133228	NM_133228	Mm.138283	117063	ENSMUST0000069376
A_55_P1959076	<b>Zfp930</b>	zinc finger protein 930	0.74	1.67	2.67E-05	6.53E-04	NM_00101337	NM_00101337	NM_00101337	Mm.334577	234358	ENSMUST0000069377
A_55_P2117130	<b>Zfp937</b>	zinc finger protein 937	1.06	2.09	2.42E-06	1.58E-04	NM_00114241	NM_00114241	NM_00114241	Mm.278428	245174	ENSMUST0000069378
A_52_P239023	<b>Zfp955b</b>	zinc finger protein 955B	1.32	2.50	1.77E-06	1.32E-04	NM_00114295	NM_00114295	NM_00114295	Mm.276296	100043468	ENSMUST0000069379
A_51_P336509	<b>Zfpm2</b>	zinc finger protein, multitype 2	0.76	1.69	2.62E-05	6.45E-04	NM_011766	NM_011766	NM_011766	Mm.39496	22762	ENSMUST0000069380
A_51_P312149	<b>Zfr</b>	zinc finger RNA binding protein	0.70	1.62	1.30E-04	1.80E-03	NM_011767	NM_011767	NM_011767	Mm.273496	22763	ENSMUST0000069381
A_52_P566390	<b>Zfyve26</b>	zinc finger, FYVE domain containing 26	0.62	1.53	7.49E-05	1.24E-03	NM_00100855	NM_00100855	NM_00100855	Mm.297919	211978	ENSMUST0000069382
A_55_P1980416	<b>Zkscan1</b>	zinc finger with KRAB and SCAN domains 1	0.92	1.89	2.70E-05	6.57E-04	NM_133906	NM_133906	NM_133906	Mm.213114	74570	ENSMUST0000069383
A_55_P2059502	<b>Zkscan16</b>	zinc finger with KRAB and SCAN domains 16	1.03	2.04	1.15E-05	3.96E-04	NM_00109932	NM_00109932	NM_00109932	Mm.484169	100041581	ENSMUST0000069384
A_55_P2113071	<b>Zkscan5</b>	zinc finger with KRAB and SCAN domains 5	0.53	1.45	1.21E-04	1.72E-03	NM_016683	NM_016683	NM_016683	Mm.332842	22757	ENSMUST0000069385
A_55_P2034270	<b>Zkscan7</b>	zinc finger with KRAB and SCAN domains 7	0.73	1.66	1.18E-05	4.00E-04	NM_00117750	NM_00117750	NM_00117750	Mm.483265	382118	ENSMUST0000069386
A_52_P28582	<b>Zmym2</b>	zinc finger, MYM-type 2	0.98	1.97	1.24E-05	4.12E-04	NM_029498	NM_029498	NM_029498	Mm.31417	76007	ENSMUST0000069387
A_55_P2122688	<b>Zmym3</b>	zinc finger, MYM-type 3	1.13	2.20	1.22E-06	1.10E-04	NM_019831	NM_019831	NM_019831	Mm.23458	56364	ENSMUST0000069388
A_55_P2021991	<b>Zmym4</b>	zinc finger, MYM-type 4	0.82	1.77	2.94E-05	6.90E-04	NM_00111439	NM_00111439	NM_00111439	Mm.165401	67785	ENSMUST0000069389
A_55_P2076757	<b>Znfx1</b>	zinc finger, NFX1-type containing 1	1.35	2.55	1.67E-07	4.37E-05	NM_00103315	NM_00103315	NM_00103315	Mm.297074	98999	ENSMUST0000069390
A_52_P513345	<b>Zswim5</b>	zinc finger SWIM-type containing 5	0.93	1.91	1.23E-05	4.11E-04	NM_00102991	NM_00102991	NM_00102991	Mm.218946	74464	ENSMUST0000069391
A_51_P215995	<b>Zswim6</b>	zinc finger SWIM-type containing 6	0.53	1.45	9.90E-05	1.51E-03	NM_145456	NM_145456	NM_145456	Mm.490418	67263	ENSMUST0000069392
A_55_P2039180	<b>Zswim8</b>	zinc finger SWIM-type containing 8	0.92	1.89	1.22E-05	4.10E-04	NM_027996	NM_027996	NM_027996	Mm.275082	268271	ENSMUST0000069393
A_55_P2172430	<b>Zxdb</b>	zinc finger, X-linked, duplicated B	0.65	1.57	1.15E-04	1.66E-03	NM_00108147	NM_00108147	NM_00108147	Mm.426145	668166	ENSMUST0000069394
A_52_P32903	<b>Zzef1</b>	zinc finger, ZZ-type with EF hand domain 1	1.44	2.72	4.45E-07	6.99E-05	NM_00104553	NM_00104553	NM_00104553	Mm.272030	195018	ENSMUST0000069395