

Mitochondria related genes

Symbol	EnsemblGeneID	c-avg	150-avg	foldchange	log(fodchange, 2)
Ucp1	ENSMUSG00000031710	0.037073668	0.008914761	0.240460731	-2.056126783
Bcl2	ENSMUSG00000057329	0.022288546	0.006362589	0.285464519	-1.808616652
Isoc2a	ENSMUSG00000086784	0.382860196	0.114993536	0.300353855	-1.735264915
Gatm	ENSMUSG00000027199	0.186580023	0.059190541	0.317239437	-1.656355965
Pak7	ENSMUSG00000039913	0.014173399	0.004768904	0.336468638	-1.571456057
Tomm6	ENSMUSG00000033475	0.060868008	0.021853969	0.359038678	-1.477788826
Pdf	ENSMUSG00000078931	0.034054507	0.014023605	0.411798808	-1.279988441
Slc25a34	ENSMUSG00000040740	0.042219348	0.018954571	0.448954602	-1.155358527
Abcb9	ENSMUSG00000029408	0.504012019	0.243228298	0.48258432	-1.051147054
Tcirg1	ENSMUSG00000001750	0.880431381	0.429430467	0.48775007	-1.035786016
Slc25a47	ENSMUSG00000048856	0.108048027	0.057158293	0.529008208	-0.918637988
Sugct	ENSMUSG00000055137	0.427409911	0.227457807	0.532177195	-0.910021407
Fdx11	ENSMUSG00000079677	0.043367772	0.023356061	0.538558017	-0.892826325
Adhfe1	ENSMUSG00000025911	1.365783472	0.814931241	0.596676748	-0.744978536
Slc25a41	ENSMUSG00000011486	1.443875318	0.899068854	0.622677625	-0.683442655
Slc25a30	ENSMUSG00000022003	0.315280719	0.1972213	0.6255419	-0.676821573
Cstad	ENSMUSG00000047363	0.228596326	0.144407752	0.631715107	-0.662654022
Dnajc28	ENSMUSG00000039763	0.67686414	0.427905794	0.632188602	-0.661573071
Slmo1	ENSMUSG00000024530	0.043693601	0.027784683	0.635898212	-0.653132243
Pck2	ENSMUSG00000040618	3.473718964	2.273344691	0.654441167	-0.611664593
Sept4	ENSMUSG00000020486	3.164389544	2.09199456	0.661105256	-0.59704811
Slc25a18	ENSMUSG00000004902	0.1999338	0.133869924	0.66957125	-0.578690512
Alas2	ENSMUSG00000025270	0.360233469	0.243028927	0.674642832	-0.567804179
Cox8c	ENSMUSG00000043319	0.259925792	0.183838858	0.707274397	-0.499658057
Adck3	ENSMUSG00000026489	3.619682778	2.567062149	0.709195337	-0.495745044
COX3	ENSMUSG00000064358	50.44271283	35.98633269	0.713409939	-0.48719678
Polg2	ENSMUSG00000020718	4.007797557	2.981425911	0.743906315	-0.42680715
Pmaip1	ENSMUSG00000024521	6.323725772	4.728738999	0.747777366	-0.419319292
Prodh2	ENSMUSG00000036892	0.115260159	0.086401072	0.749617842	-0.415772804
Nudt6	ENSMUSG00000050174	0.640571777	0.480748077	0.750498374	-0.414079149
Acsm3	ENSMUSG00000030935	1.750015783	1.317226961	0.752694332	-0.409863987
Dhrs4	ENSMUSG00000022210	7.762506881	5.885076371	0.758141211	-0.399461505
Acs11	ENSMUSG00000018796	6.557540759	5.009119172	0.763871603	-0.388597934
Slc25a25	ENSMUSG00000026819	2.84333264	2.172153759	0.763946408	-0.38845666
Aldh1b1	ENSMUSG00000035561	4.474528055	3.431909967	0.766988144	-0.382723818
Thgl1	ENSMUSG00000011254	12.42041406	9.544182413	0.768427073	-0.380019747
Txndc12	ENSMUSG00000028567	115.2158935	89.48140382	0.776641148	-0.364679949
Echdc1	ENSMUSG00000019883	1.608533335	1.253152382	0.779065224	-0.360183979
Nudt13	ENSMUSG00000021809	1.593433135	1.245168113	0.781437317	-0.355797943
Sfxn5	ENSMUSG00000033720	0.976526128	0.765862584	0.784272497	-0.350573087
Tmem143	ENSMUSG00000002781	1.817816273	1.444870861	0.794838776	-0.33126584

Htati2	ENSMUSG00000039745	34.94480166	27.85697263	0.797170718	-0.327039378
Tomm401	ENSMUSG00000005674	0.994458555	0.793914642	0.798338592	-0.324927341
Oxsm	ENSMUSG000000021786	1.595362959	1.278952276	0.801668529	-0.318922256
Rdh11	ENSMUSG000000066441	13.34441974	10.73937927	0.804784283	-0.313325965
Gadd45gip1	ENSMUSG000000033751	3.055730308	2.461087574	0.80540078	-0.312221225
Gcsh	ENSMUSG000000034424	414.9138747	335.8476918	0.80943953	-0.305004788
Rcn2	ENSMUSG000000032320	32.93240661	26.7831076	0.81327514	-0.29818458
Nipsnap1	ENSMUSG000000034285	42.80382798	34.97434962	0.817084622	-0.291442594
Bnip3	ENSMUSG000000078566	277.2074398	226.5857961	0.817387139	-0.290908551
Acs14	ENSMUSG000000031278	2.970502546	2.429993324	0.818041152	-0.289754675
E130311K13	ENSMUSG000000048581	4.920905366	4.042201521	0.821434517	-0.283782524
Gsr	ENSMUSG000000031584	42.21525574	34.72672585	0.822610813	-0.281718059
Fbx14	ENSMUSG000000040410	6.465508921	5.320786035	0.822949299	-0.281124544
Nt5c	ENSMUSG000000020736	89.37720184	73.58788097	0.823340622	-0.280438687
Gyk	ENSMUSG000000025059	5.830943073	4.819785548	0.826587653	-0.274760281
Acaa2	ENSMUSG000000036880	284.3884776	235.32675	0.82748342	-0.27319769
Dna2	ENSMUSG000000036875	3.460137723	2.86343527	0.827549508	-0.273082472
Serac1	ENSMUSG000000015659	2.58782972	2.143459355	0.828284542	-0.27180163
Ecil	ENSMUSG000000024132	31.6921406	26.26215162	0.828664493	-0.271139989
Rpusd4	ENSMUSG000000032044	26.75701302	22.26632091	0.83216766	-0.265053872
Gpam	ENSMUSG000000024978	0.403839525	0.336150766	0.832386989	-0.264673681
Thns11	ENSMUSG000000048550	5.019157278	4.178325562	0.832475519	-0.264520248
Slc25a1	ENSMUSG000000003528	28.59040456	23.84945618	0.83417694	-0.261574664
Prdx6	ENSMUSG000000026701	339.7749173	283.4973092	0.834367973	-0.261244313
AA467197	ENSMUSG000000033213	178.3790712	149.2759231	0.836846622	-0.256964867
Mterfd3	ENSMUSG000000049038	10.05876645	8.442633898	0.83933094	-0.252688332
Ndufb2	ENSMUSG000000002416	2.85147063	2.406183422	0.843839455	-0.24495955
Apex2	ENSMUSG000000025269	12.46866734	10.56688918	0.847475427	-0.238756557
Me1	ENSMUSG000000032418	76.76975288	65.19639585	0.849245874	-0.235745792
Pdp1	ENSMUSG000000049225	0.600649981	0.510406341	0.849756693	-0.234878275
Slc25a32	ENSMUSG000000022299	4.790887528	4.074487188	0.850466049	-0.23367445
Acadv1	ENSMUSG000000018574	10.42153593	8.871537073	0.851269634	-0.232311926
Pcbd2	ENSMUSG000000021496	30.01433933	25.59309984	0.852695758	-0.229897015
Akr7a5	ENSMUSG000000028743	29.83281205	25.52121012	0.855474505	-0.225203235
Agmat	ENSMUSG000000040706	1.294254736	1.108399684	0.856399945	-0.223643392
Dhodh	ENSMUSG000000031730	28.26558598	24.22005425	0.856874302	-0.22284451
Mutyh	ENSMUSG000000028687	9.949547552	8.542387317	0.85857043	-0.21999161
Decr1	ENSMUSG000000028223	22.45577106	19.31427573	0.860102986	-0.217418682
Cpt1c	ENSMUSG000000007783	0.629400615	0.543620529	0.863711468	-0.21137865
Rmdn1	ENSMUSG000000028229	11.14285671	9.633698543	0.864562723	-0.209957461
Fam136a	ENSMUSG000000057497	238.5457743	206.4932577	0.865633685	-0.208171453
Aifm3	ENSMUSG000000022763	0.83003978	0.718581119	0.865718892	-0.208029451
Fasn	ENSMUSG000000025153	9.027367618	7.821974872	0.866473506	-0.206772458

Gpx4	ENSMUSG00000075706	1289.020949	1117.38346	0.866846625	-0.206151341
Gpt2	ENSMUSG00000031700	3.325561086	2.887614432	0.868308943	-0.203719652
Bckdha	ENSMUSG00000060376	1.201106174	1.043639864	0.868898925	-0.20273973
Mthfd11	ENSMUSG00000040675	2.911967609	2.533947984	0.870184125	-0.200607398
Slc30a6	ENSMUSG00000024069	28.67147354	24.97442493	0.87105481	-0.199164594
Slc25a33	ENSMUSG00000028982	6.36409952	5.545312341	0.871342807	-0.198687673
Lyrml	ENSMUSG00000030922	22.37719369	19.49919648	0.871387036	-0.198614445
Ivd	ENSMUSG00000027332	23.11768842	20.15429997	0.871812943	-0.197909473
Ogdh1	ENSMUSG00000021913	0.744773338	0.650342227	0.873208255	-0.195602326
Pycr1	ENSMUSG00000025140	12.34299935	10.78063831	0.873421282	-0.195250411
Pnpla8	ENSMUSG00000036257	43.44170137	37.96129102	0.873844482	-0.194551549
Nubpl	ENSMUSG00000035142	33.18520866	29.00729231	0.874103056	-0.194124712
D10Jhu81e	ENSMUSG00000053329	6.700502251	5.861211316	0.874742086	-0.193070388
Cps1	ENSMUSG00000025991	0.068697503	0.060165858	0.875808505	-0.191312636
Mgapr	ENSMUSG00000037161	99.6528825	87.35355761	0.876578333	-0.190045076
Nthl1	ENSMUSG00000041429	32.12257814	28.16448101	0.876781461	-0.189710801
Oggl	ENSMUSG00000030271	7.721880009	6.779201524	0.877921117	-0.187836778
Mpc1	ENSMUSG00000023861	44.33729809	38.94926218	0.878476223	-0.186924856
Mterflb	ENSMUSG00000053178	2.864280974	2.523993506	0.881196199	-0.182464823
Mrm1	ENSMUSG00000018405	13.53478211	11.92761006	0.881256157	-0.182366663
Tbrg4	ENSMUSG00000000384	66.57535141	58.68993013	0.881556445	-0.181875148
Gtpbp3	ENSMUSG00000007610	3.933726686	3.470757132	0.882307646	-0.180646308
Cyb5r1	ENSMUSG00000026456	39.03846143	34.47839771	0.883190486	-0.179203465
Acly	ENSMUSG00000020917	35.7363221	31.57680777	0.883605417	-0.178525832
Gk2	ENSMUSG00000050553	0.307154099	0.271614867	0.884295107	-0.177400188
1110008F13	ENSMUSG00000027637	70.26111247	62.15602443	0.884643329	-0.176832189
Timm50	ENSMUSG00000003438	272.863644	241.613093	0.885471913	-0.175481549
Sirt4	ENSMUSG00000029524	6.740806565	5.97477376	0.88635888	-0.174037141
Ncoa4	ENSMUSG00000056234	14.13909631	12.54646406	0.887359686	-0.172409084
Lyp1a1	ENSMUSG00000025903	116.011401	103.099471	0.888701198	-0.170229662
Mrps34	ENSMUSG00000038880	15.09264225	13.42159579	0.889280722	-0.169289185
Aldh6a1	ENSMUSG00000021238	15.01635027	13.38019917	0.891042026	-0.166434617
Lap3	ENSMUSG00000039682	292.7509759	260.9217703	0.891275493	-0.166056658
Rars	ENSMUSG00000018848	276.3316012	246.3792216	0.891607114	-0.165519967
Dmgdh	ENSMUSG00000042102	5.807940399	5.181474105	0.892136239	-0.164664052
Mett18	ENSMUSG00000041975	7.303305921	6.52010133	0.892760265	-0.163655278
Aldh7a1	ENSMUSG00000053644	11.39312623	10.17311739	0.892917114	-0.163401834
ATP8	ENSMUSG00000064356	239.5805492	213.9885529	0.893179991	-0.162977162
Cat	ENSMUSG00000027187	36.57651327	32.67190884	0.893248315	-0.162866808
Pitrml	ENSMUSG00000021193	13.00889973	11.62069569	0.893288128	-0.162802506
Gpx1	ENSMUSG00000063856	1168.960692	1045.008523	0.893963784	-0.161711709
Lonp2	ENSMUSG00000047866	25.32443067	22.64199287	0.894077074	-0.16152889
Adck5	ENSMUSG00000022550	11.58351963	10.37642228	0.895791832	-0.158764583

Slc25a16	ENSMUSG00000071253	22. 23502052	19. 92484944	0. 896102138	-0. 158264914
Mipep	ENSMUSG00000021993	18. 92602931	16. 96863629	0. 896576668	-0. 157501139
Nit1	ENSMUSG00000013997	23. 32257739	20. 93055236	0. 897437364	-0. 156116845
Vdac3	ENSMUSG00000008892	293. 2496558	263. 247866	0. 897691986	-0. 155707579
Slc25a23	ENSMUSG00000046329	1. 534828883	1. 379355946	0. 898703406	-0. 154083024
Pgam5	ENSMUSG00000029500	12. 43349738	11. 17709335	0. 898950071	-0. 153687106
Mrpl41	ENSMUSG00000036850	195. 8639949	176. 1390683	0. 899292738	-0. 153137276
Pre1id2	ENSMUSG00000056671	179. 7614061	161. 7583651	0. 899850355	-0. 152242993
Ethel	ENSMUSG00000064254	49. 40939794	44. 46471179	0. 899924177	-0. 152124642
Fth1	ENSMUSG00000024661	1493. 233738	1344. 405841	0. 900331815	-0. 151471294
Rnaseh1	ENSMUSG00000020630	21. 77544703	19. 6080982	0. 900468228	-0. 151252722
Sfxn4	ENSMUSG00000063698	3. 262286546	2. 939584769	0. 901081106	-0. 150271127
Mrps10	ENSMUSG00000034729	88. 77409556	80. 00611007	0. 901232613	-0. 150028574
Pxmp4	ENSMUSG00000000876	28. 84700539	26. 00017066	0. 901312643	-0. 149900468
Lipt1	ENSMUSG00000037216	8. 234345318	7. 431386525	0. 902486626	-0. 148022542
Par1	ENSMUSG00000033918	255. 6179019	230. 7909286	0. 902874669	-0. 147402359
Sod1	ENSMUSG00000022982	106. 2138112	95. 91748915	0. 903060422	-0. 147105577
Samm50	ENSMUSG00000022437	15. 90418615	14. 39326617	0. 904998599	-0. 144012537
Hmbs	ENSMUSG00000032126	177. 9121512	161. 0779384	0. 905379072	-0. 143406136
Shmt2	ENSMUSG00000025403	15. 1439073	13. 71813285	0. 905851613	-0. 142653353
Mtfr1	ENSMUSG00000027601	174. 6826733	158. 3169734	0. 90631183	-0. 141920578
Eefsec	ENSMUSG00000033216	18. 34356567	16. 64815259	0. 907574508	-0. 139912007
Slc25a42	ENSMUSG00000002346	0. 737396364	0. 669252888	0. 907589081	-0. 139888842
Mfn1	ENSMUSG00000027668	84. 306045	76. 5267903	0. 907726015	-0. 139671189
Fundc1	ENSMUSG00000025040	77. 57237623	70. 42202478	0. 907823483	-0. 139516287
Coq3	ENSMUSG00000028247	69. 44902489	63. 13511639	0. 909085714	-0. 137511768
Mtg1	ENSMUSG00000039018	82. 00792976	74. 55581848	0. 909129382	-0. 13744247
Fam185a	ENSMUSG00000047221	4. 17046826	3. 794144866	0. 909764715	-0. 136434614
Nucb2	ENSMUSG00000030659	6. 646406434	6. 0513946	0. 910476159	-0. 135306855
Mrps27	ENSMUSG00000041632	26. 71558044	24. 32599048	0. 910554443	-0. 135182814
P4hb	ENSMUSG00000025130	186. 0219125	169. 733397	0. 912437652	-0. 132202114
Oxct1	ENSMUSG00000022186	83. 19165572	75. 92578213	0. 912661029	-0. 131848966
Echdc3	ENSMUSG00000039063	32. 79459429	29. 96717529	0. 913783992	-0. 130074925
Snd1	ENSMUSG00000001424	21. 11092895	19. 29541581	0. 914001267	-0. 12973193
Gpd2	ENSMUSG00000026827	44. 70044491	40. 85752343	0. 914029458	-0. 129687433
Slc25a28	ENSMUSG00000040414	8. 119352799	7. 425483747	0. 914541335	-0. 128879717
Echdc2	ENSMUSG00000028601	736. 5855407	674. 9678756	0. 916346898	-0. 126034237
Slc22a4	ENSMUSG00000020334	3. 024606172	2. 774063955	0. 917165342	-0. 124746255
Nt5m	ENSMUSG00000032615	7. 492589106	6. 87663853	0. 917792025	-0. 123760824
Pdhb	ENSMUSG00000021748	312. 818585	287. 165745	0. 917994515	-0. 123442562
Mthfd2	ENSMUSG00000005667	53. 30154246	48. 94683056	0. 918300452	-0. 122961838
Iba57	ENSMUSG00000049287	0. 89925375	0. 825994283	0. 918533042	-0. 122596475
Gstz1	ENSMUSG00000021033	25. 81502192	23. 71266967	0. 918560896	-0. 122552726

Etfb	ENSMUSG00000004610	32.29814299	29.67537447	0.918795068	-0.122184983
Hint3	ENSMUSG00000019791	56.0531631	51.50528747	0.91886496	-0.122075242
Ndufaf7	ENSMUSG00000024082	22.47164361	20.65043489	0.918955251	-0.121933485
Cct7	ENSMUSG00000030007	519.0589288	477.0165051	0.9190026	-0.121859152
Agpat5	ENSMUSG00000031467	7.341639965	6.749484631	0.919342908	-0.121325019
Dhrs7b	ENSMUSG00000042569	33.46994065	30.78879462	0.919893912	-0.120460605
Rfk	ENSMUSG00000024712	375.684411	345.7362154	0.920283635	-0.119849521
Acaa1b	ENSMUSG00000010651	3.25258665	2.994567764	0.92067271	-0.119239712
Ndufab1	ENSMUSG00000030869	113.9294508	104.9110513	0.920842246	-0.118974073
Slc25a24	ENSMUSG00000040322	8.092332453	7.45438429	0.921166343	-0.118466396
Pxmp2	ENSMUSG00000029499	51.99104138	47.89350865	0.921187716	-0.118432922
Ecsit	ENSMUSG00000066839	21.09244411	19.43564177	0.921450434	-0.118021532
Pcca	ENSMUSG00000041650	17.6293794	16.24565663	0.92151041	-0.117927631
Fam210a	ENSMUSG00000038121	8.320572043	7.672496293	0.922111635	-0.116986674
Agk	ENSMUSG00000029916	14.69941203	13.55869011	0.922396765	-0.116540642
Atp5s1	ENSMUSG00000057229	43.0896053	39.74784671	0.922446294	-0.116463177
Lamc1	ENSMUSG00000026478	29.42299376	27.14534344	0.922589444	-0.11623931
Ide	ENSMUSG00000056999	55.15860678	50.90205534	0.922830693	-0.115862106
Snap29	ENSMUSG00000022765	8.674224381	8.00504811	0.922854627	-0.115824689
Adck4	ENSMUSG00000003762	3.361670995	3.102435612	0.922884963	-0.115777267
Fdxr	ENSMUSG00000018861	8.904395377	8.219710153	0.92310705	-0.115430131
Pstk	ENSMUSG00000063179	47.40382079	43.77002068	0.923343729	-0.115060281
Hadh	ENSMUSG00000027984	160.8493291	148.537543	0.923457647	-0.114882299
Mfn2	ENSMUSG00000029020	7.865256284	7.26648255	0.923871046	-0.114236601
Ddx28	ENSMUSG00000045538	7.560763069	6.985316212	0.923890373	-0.11420642
Tpil	ENSMUSG00000023456	605.9682317	559.9087175	0.923990216	-0.114050519
Rsad1	ENSMUSG00000039096	1.276588804	1.180193649	0.924490051	-0.1132703
Acad8	ENSMUSG00000031969	16.31609567	15.09703095	0.925284532	-0.112031021
Cmc2	ENSMUSG00000014633	110.8465973	102.7585572	0.927033934	-0.109305945
Bnip31	ENSMUSG00000022051	184.1889062	170.7678861	0.927134482	-0.109149477
Mrpl12	ENSMUSG00000039640	77.17771525	71.55603051	0.927159223	-0.109110978
Gcat	ENSMUSG00000006378	27.23570029	25.28160493	0.928252428	-0.107410911
Me2	ENSMUSG00000024556	19.01082472	17.65694733	0.928783869	-0.10658518
Mygl	ENSMUSG00000001285	43.02469704	39.98439301	0.929335841	-0.105728046
Sdhd	ENSMUSG00000000171	255.412922	237.3782949	0.92939031	-0.105643491
Coq4	ENSMUSG00000026798	31.20512109	29.00299242	0.929430536	-0.10558105
Hibadh	ENSMUSG00000029776	61.41851596	57.09663796	0.929632328	-0.105267856
Apopt1	ENSMUSG00000037787	28.73763122	26.72028166	0.929801119	-0.105005933
Pccb	ENSMUSG00000032527	49.58686881	46.15463949	0.930783504	-0.103482453
Mtx1	ENSMUSG00000064068	64.9324425	60.44676792	0.930917822	-0.103274278
Tmem65	ENSMUSG00000062373	6.696211692	6.234048683	0.930981422	-0.103175716
Gstol	ENSMUSG00000025068	676.7607053	630.0867238	0.931033257	-0.103095392
Mcu	ENSMUSG00000009647	4.495583453	4.185634626	0.931054816	-0.103061985

Iscal	ENSMUSG00000044792	54.30916752	50.57548202	0.931251285	-0.102757584
Fastkd2	ENSMUSG00000025962	40.06370399	37.3229561	0.931590252	-0.102232551
Dnajc4	ENSMUSG00000024963	46.93308233	43.72459011	0.931636874	-0.102160353
Clqbp	ENSMUSG00000018446	425.0548393	396.0367813	0.931731025	-0.102014561
Hsd17b10	ENSMUSG00000025260	102.7632679	95.77200091	0.931967257	-0.101648826
Mrps18b	ENSMUSG00000024436	123.3517578	114.9751677	0.932091847	-0.101455972
Apoa1bp	ENSMUSG00000028070	188.5542023	175.774799	0.932224246	-0.101251059
Bcat2	ENSMUSG00000030826	27.57055561	25.71422752	0.932669906	-0.100561527
Nful	ENSMUSG00000029993	164.6611639	153.5769757	0.932684867	-0.100538386
Gatc	ENSMUSG00000029536	19.63029918	18.3314742	0.933835701	-0.09875935
0610009020	ENSMUSG00000024442	3.072962713	2.869832161	0.933897489	-0.098663897
Bad	ENSMUSG00000024959	94.31706605	88.09791648	0.934061249	-0.098410941
Nudt2	ENSMUSG00000028443	109.87013	102.6422921	0.934214714	-0.098173926
Slc25a40	ENSMUSG00000054099	11.4485322	10.69719829	0.934372905	-0.097929656
Ears2	ENSMUSG00000030871	7.608548695	7.110281369	0.934512172	-0.097714639
Trap1	ENSMUSG00000005981	120.2120313	112.3488719	0.934589247	-0.097595656
Pisd	ENSMUSG00000023452	11.08867715	10.36337479	0.934590722	-0.097593379
Dusp26	ENSMUSG00000039661	0.439743297	0.411172679	0.935028873	-0.09691718
Clic4	ENSMUSG00000037242	198.8067336	185.8905452	0.935031434	-0.096913229
Cisd1	ENSMUSG00000037710	276.8041634	258.9930539	0.935654474	-0.095952237
Echsl	ENSMUSG00000025465	63.08010314	59.04084717	0.935966243	-0.095471596
Carkd	ENSMUSG00000031505	75.0696309	70.28522258	0.936267059	-0.095007994
Eral1	ENSMUSG00000020832	16.2242339	15.19388391	0.93649315	-0.094659654
Tysnd1	ENSMUSG00000020087	5.011671588	4.694817542	0.936776774	-0.094222788
Htra2	ENSMUSG00000068329	20.6241669	19.32505861	0.937010387	-0.093863054
Phyh	ENSMUSG00000026664	115.6409055	108.4923779	0.9381834	-0.092058121
Tomm20	ENSMUSG00000093904	197.3138445	185.1412914	0.938308672	-0.091865496
Sdhaf2	ENSMUSG00000024668	34.47372126	32.35290537	0.938480216	-0.091601763
Lym4	ENSMUSG00000046573	6.070026542	5.700271427	0.939085091	-0.090672208
Spt1c2	ENSMUSG00000021036	50.51020049	47.46055165	0.93962311	-0.089845899
Ndor1	ENSMUSG00000006471	19.15812538	18.00412806	0.939764602	-0.089628669
Acaala	ENSMUSG00000036138	42.820711	40.25197905	0.940011927	-0.089249033
Grpel2	ENSMUSG00000024580	16.37288975	15.42301102	0.941984662	-0.086224525
Ndufaf3	ENSMUSG00000070283	85.46243163	80.50827802	0.942031212	-0.086153234
Ghitm	ENSMUSG00000041028	189.6946891	178.7002217	0.942041248	-0.086137864
Plgrkt	ENSMUSG00000016495	53.57369857	50.4715989	0.942096593	-0.086053108
Sucla2	ENSMUSG00000022110	433.8866107	408.8005316	0.942182869	-0.085920995
Acs16	ENSMUSG00000020333	6.836917623	6.442176451	0.942263284	-0.085797866
Prdx5	ENSMUSG00000024953	258.4608144	243.555279	0.942329612	-0.085696315
Poldip2	ENSMUSG00000001100	71.62755994	67.57461085	0.943416346	-0.084033498
Vdac1	ENSMUSG00000020402	404.4382755	381.6017176	0.943535122	-0.083851873
Mrpl10	ENSMUSG00000001445	75.2023048	70.99210497	0.944015016	-0.083118287
Cox5a	ENSMUSG00000000088	392.6903683	370.7176277	0.944045634	-0.083071496

Mrps12	ENSMUSG00000045948	268.1704429	253.1773239	0.944091083	-0.083002042
Glod4	ENSMUSG00000017286	73.12555921	69.06353302	0.944451349	-0.082451614
Slc25a43	ENSMUSG00000037636	9.816397237	9.284732201	0.945839087	-0.080333332
Armc10	ENSMUSG00000038525	44.94989211	42.53205634	0.946210421	-0.079767045
Fdx1	ENSMUSG00000032051	34.7556732	32.89196629	0.946376901	-0.079513234
Pus1	ENSMUSG00000029507	23.51968655	22.25888984	0.946393983	-0.079487193
Grhpr	ENSMUSG00000035637	96.65678682	91.4798612	0.946440123	-0.079416859
Crot	ENSMUSG00000003623	22.98339589	21.75552446	0.946575717	-0.079210182
Pex11b	ENSMUSG00000028102	14.51772781	13.74405583	0.946708466	-0.079007871
Atad1	ENSMUSG00000013662	22.07920261	20.90616809	0.946871518	-0.078759417
Mrrf	ENSMUSG00000026887	30.66312381	29.04695585	0.947292782	-0.078117704
Mtfr11	ENSMUSG00000046671	80.29276659	76.12609742	0.948106544	-0.076878903
Diablo	ENSMUSG00000029433	107.6581338	102.1465235	0.948804515	-0.075817219
Ndufv3	ENSMUSG00000024038	232.8861	221.1040388	0.949408483	-0.074899155
Hint1	ENSMUSG00000020267	736.8254304	699.8316539	0.949793024	-0.074314935
Chchd10	ENSMUSG00000049422	322.0448266	305.9669138	0.950075544	-0.073885863
Slc25a11	ENSMUSG00000014606	164.1538324	155.9779039	0.950193496	-0.073706763
Lactb2	ENSMUSG00000025937	102.9947923	97.90054218	0.950538761	-0.073182637
Ociad1	ENSMUSG00000029152	152.4971275	144.9596262	0.950572831	-0.073130927
Secisbp2	ENSMUSG00000035139	13.28534708	12.62930497	0.950619121	-0.073060673
Sod2	ENSMUSG00000006818	302.646475	287.7166905	0.950669227	-0.072984633
Dnaj3	ENSMUSG00000004069	45.24343485	43.02858871	0.951046021	-0.07241294
Mtrf11	ENSMUSG00000019774	15.96553756	15.19128454	0.951504732	-0.071717263
Gbas	ENSMUSG00000029432	20.64630597	19.64515112	0.95150925	-0.071710413
Clpx	ENSMUSG00000015357	72.27643426	68.78759572	0.951729238	-0.071376902
Paics	ENSMUSG00000029247	401.6139944	382.2572513	0.951802618	-0.071265672
Acsf2	ENSMUSG00000076435	23.51636639	22.39024708	0.952113379	-0.070794712
Gpil	ENSMUSG00000036427	93.56026503	89.12040335	0.952545435	-0.070140186
Eri3	ENSMUSG00000033423	48.93442804	46.61381993	0.952577189	-0.070092093
Tfb2m	ENSMUSG00000026492	37.99627702	36.21679493	0.953166936	-0.069199188
Triap1	ENSMUSG00000029535	112.7461063	107.482462	0.953314181	-0.068976338
Hadhb	ENSMUSG00000059447	166.1294866	158.4339979	0.953677767	-0.06842621
ND5	ENSMUSG00000064367	2206.836573	2106.065272	0.954336763	-0.067429645
Bckdk	ENSMUSG00000030802	57.50144282	54.9114275	0.954957386	-0.06649174
Arl2	ENSMUSG00000024944	43.28171189	41.35015299	0.9553724	-0.065864895
Hspe1	ENSMUSG00000073676	717.802121	686.2522672	0.956046586	-0.064847176
Mrps17	ENSMUSG00000034211	174.437114	166.8208742	0.956338192	-0.064407203
Eci2	ENSMUSG00000021417	45.90496796	43.91965419	0.956751658	-0.0637836
Atpaf2	ENSMUSG00000042709	71.53965447	68.4643639	0.957012784	-0.063389898
Mrp139	ENSMUSG00000022889	95.33479614	91.29927399	0.957669998	-0.06239949
Ech1	ENSMUSG00000053898	197.0775673	188.7659626	0.957825719	-0.06216492
Cyb5r3	ENSMUSG00000018042	130.1363113	124.676164	0.958042861	-0.061837894
Etfa	ENSMUSG00000032314	641.2508442	614.4738985	0.958242635	-0.061537091

Slc25a51	ENSMUSG00000045973	17.06031271	16.34906994	0.958310098	-0.061435525
Mrp117	ENSMUSG00000030879	181.4074084	173.9220004	0.958737033	-0.060792935
Mthfs	ENSMUSG00000066442	2.586858024	2.480350915	0.958827617	-0.060656631
Efhd1	ENSMUSG00000026255	1.704928026	1.634782141	0.958856982	-0.060612449
Hspa9	ENSMUSG00000024359	401.4219959	384.9789475	0.959037998	-0.060340117
Mgme1	ENSMUSG00000027424	19.45251723	18.66008276	0.95926314	-0.060001473
Mlycd	ENSMUSG00000074064	3.854427057	3.699863579	0.959899753	-0.059044349
Abcb8	ENSMUSG00000028973	15.62695732	15.00135721	0.959966608	-0.058943871
Stom12	ENSMUSG00000028455	234.1749272	224.8423195	0.960146853	-0.058673014
Mrp147	ENSMUSG00000037531	65.51375701	62.92170814	0.960435045	-0.058240049
Rnmt11	ENSMUSG00000038046	33.5791705	32.2681595	0.960957612	-0.0574553
Ptcd2	ENSMUSG00000021650	49.3320429	47.42258339	0.961293727	-0.056950775
Letmd1	ENSMUSG00000037353	2.468535235	2.373199593	0.961379671	-0.056821797
Nadk2	ENSMUSG00000022253	7.290096472	7.009079461	0.961452223	-0.056712926
Ccdc127	ENSMUSG00000021578	22.89995829	22.03242538	0.962116398	-0.055716652
Nmnat3	ENSMUSG00000032456	0.744521142	0.716316085	0.962116512	-0.05571648
Aldh9a1	ENSMUSG00000026687	64.97778783	62.52569859	0.962262654	-0.055497356
Mmab	ENSMUSG00000029575	10.73223247	10.32832156	0.962364688	-0.055344388
Exog	ENSMUSG00000042787	2.653979352	2.555184496	0.962774821	-0.054729682
Chchd1	ENSMUSG00000063787	336.9075675	324.4046268	0.962889107	-0.054558438
Abcf2	ENSMUSG00000028953	68.25495887	65.75054127	0.963307903	-0.053931094
Mtpap	ENSMUSG00000024234	28.14011522	27.10801448	0.963322797	-0.053908788
Afg311	ENSMUSG00000031967	24.04230562	23.16835374	0.963649415	-0.05341972
Slc25a44	ENSMUSG00000050144	11.73675714	11.31126349	0.963746916	-0.053273757
Mrps22	ENSMUSG00000032459	60.97177976	58.77356878	0.963947076	-0.052974156
1110008L16	ENSMUSG00000021023	9.330936499	8.996958136	0.964207412	-0.052584574
Micu2	ENSMUSG00000021973	15.5196716	14.97120893	0.964660162	-0.051907306
Mrp149	ENSMUSG00000007338	122.6247094	118.3074128	0.964792605	-0.051709246
Cox18	ENSMUSG00000035505	195.5324613	188.6633537	0.964869733	-0.051593918
Slc37a4	ENSMUSG00000032114	7.862027348	7.587383812	0.965067085	-0.051298863
Gapdh	ENSMUSG00000057666	1354.028431	1306.92951	0.965215707	-0.051076701
Omal	ENSMUSG00000035069	24.2523809	23.41181862	0.965341041	-0.050889379
Iars2	ENSMUSG00000026618	15.53837935	15.00065942	0.965394078	-0.050810117
Osbp11a	ENSMUSG00000044252	12.2434339	11.8221887	0.965594195	-0.050511092
Tmbim4	ENSMUSG00000020225	236.2254133	228.1592852	0.965854105	-0.050122812
Prdx4	ENSMUSG00000025289	113.1750999	109.3283512	0.966010644	-0.049889009
1700021F05	ENSMUSG00000019797	108.4381651	104.7595855	0.966076707	-0.04979035
Prosc	ENSMUSG00000031485	24.79342124	23.95264275	0.966088646	-0.049772522
Atpaf1	ENSMUSG00000028710	70.60973361	68.24898312	0.966566217	-0.049059523
Guk1	ENSMUSG00000020444	431.1049194	416.703738	0.966594718	-0.049016984
Comt	ENSMUSG00000000326	48.5849018	46.9743128	0.96685001	-0.048635997
Osgep11	ENSMUSG00000026096	12.42364142	12.01282475	0.966932669	-0.048512662
Kars	ENSMUSG00000031948	126.0694348	121.910488	0.967010665	-0.048396293

Mrp114	ENSMUSG00000023939	168.6437629	163.1290897	0.967299868	-0.047964892
Dbi	ENSMUSG00000026385	592.8845503	573.6500438	0.967557754	-0.047580316
Clpp	ENSMUSG00000002660	263.6521379	255.1004911	0.96756466	-0.047570019
Prdx3	ENSMUSG00000024997	148.4015384	143.6207647	0.967784878	-0.047241698
Idh3a	ENSMUSG00000032279	294.234751	284.8638519	0.968151624	-0.046695087
Ngrn	ENSMUSG00000047084	44.09652548	42.70841005	0.968520979	-0.046144795
Ndufaf1	ENSMUSG00000027305	58.51711217	56.7347114	0.969540521	-0.0446269
Gtpbp10	ENSMUSG00000040464	28.67640456	27.80646317	0.969663512	-0.044443897
Nit2	ENSMUSG00000022751	36.87841174	35.77757881	0.970149665	-0.043720766
Isca2	ENSMUSG00000021241	123.7070421	120.0318365	0.970291056	-0.043510521
Mrp137	ENSMUSG00000028622	112.2198195	108.8934255	0.970358231	-0.043410644
Stx17	ENSMUSG00000061455	17.67546567	17.1566306	0.970646597	-0.042981975
Lym2	ENSMUSG00000045854	87.24719407	84.70476878	0.970859518	-0.04266554
Chpt1	ENSMUSG00000060002	118.3246154	114.9403524	0.971398488	-0.041864855
Immp11	ENSMUSG00000042670	105.7815265	102.7646284	0.971479915	-0.041743926
Xrcc6bp1	ENSMUSG00000025436	20.99262325	20.4181476	0.972634404	-0.040030472
Ndufb8	ENSMUSG00000025204	319.2272449	310.5021264	0.972668002	-0.039980637
Ak2	ENSMUSG00000028792	300.5202326	292.4457627	0.973131693	-0.039293038
Auh	ENSMUSG00000021460	21.97107416	21.38695194	0.973414035	-0.03887452
Pmpca	ENSMUSG00000026926	109.0637712	106.1734386	0.973498691	-0.038749055
Chchd4	ENSMUSG00000034203	56.86871219	55.37302707	0.973699332	-0.038451743
Meer	ENSMUSG00000028910	51.12707887	49.7995755	0.97403522	-0.037954156
Hmgcl	ENSMUSG00000028672	195.516996	190.4707459	0.974190223	-0.037724591
Atic	ENSMUSG00000026192	21.18234742	20.64075954	0.974432112	-0.037366417
Pdhx	ENSMUSG00000010914	39.66189032	38.64904116	0.974462913	-0.037320816
Mcat	ENSMUSG00000048755	16.08124261	15.67456979	0.974711356	-0.036953043
D2hgdh	ENSMUSG00000073609	9.550994267	9.311617644	0.974936994	-0.036619108
Mrps14	ENSMUSG00000058267	231.363084	225.590626	0.97505022	-0.036451568
Mrp63	ENSMUSG00000021967	100.8212066	98.31215577	0.975113859	-0.036357411
Suc1g2	ENSMUSG00000061838	136.1284576	132.7719126	0.975342811	-0.036018712
Pnpt1	ENSMUSG00000020464	36.26399425	35.37442248	0.975469559	-0.035831243
Ndufa9	ENSMUSG00000000399	275.1938544	268.5413016	0.97582594	-0.035304261
Pyurf	ENSMUSG00000043162	7.976367561	7.785049137	0.976014342	-0.035025747
Timm13	ENSMUSG00000020219	299.5979304	292.6249749	0.976725622	-0.033974752
Tkt	ENSMUSG00000021957	31.64374969	30.90962671	0.97680038	-0.033864334
Slc16a1	ENSMUSG00000032902	16.57644003	16.2013798	0.977373898	-0.033017519
Aldh112	ENSMUSG00000020256	0.382703644	0.374137149	0.977615853	-0.032660415
Mrps28	ENSMUSG00000040269	182.1263715	178.0502783	0.977619424	-0.032655145
Amacr	ENSMUSG00000022244	7.46990989	7.308053395	0.978332203	-0.031603665
Slc25a35	ENSMUSG00000018740	1.429998899	1.39927399	0.978514033	-0.031335554
Ndufs8	ENSMUSG00000059734	303.5119416	296.995692	0.9785305	-0.031311276
Ccdc90b	ENSMUSG00000030613	40.1892447	39.32832304	0.978578307	-0.031240793
Nme6	ENSMUSG00000032478	158.7582073	155.3691642	0.978652801	-0.031130973

Coq10b	ENSMUSG00000025981	30. 88107685	30. 23749091	0. 979159213	-0. 030384631
Atp5s	ENSMUSG00000054894	17. 64624271	17. 27920803	0. 979200406	-0. 030323938
Mrp145	ENSMUSG00000018882	152. 6803503	149. 529833	0. 979365274	-0. 030081053
Timm17a	ENSMUSG00000062580	253. 2665619	248. 1480293	0. 979789939	-0. 029455617
Slc25a37	ENSMUSG00000034248	1. 043420887	1. 022499223	0. 97994897	-0. 02922147
Ptrh1	ENSMUSG00000053746	7. 242166745	7. 100876089	0. 980490555	-0. 028424362
Txnrd1	ENSMUSG00000020250	16. 07416162	15. 76617923	0. 98083991	-0. 027910412
Hspd1	ENSMUSG00000025980	578. 3045738	567. 2889656	0. 980951891	-0. 02774571
Qdpr	ENSMUSG00000015806	32. 19823639	31. 59079631	0. 981134368	-0. 027477366
Hmgcs2	ENSMUSG00000027875	0. 844786359	0. 828861359	0. 98114908	-0. 027455732
Flad1	ENSMUSG00000042642	36. 15745042	35. 47978339	0. 981257887	-0. 02729575
Gtpbp6	ENSMUSG00000033434	4. 540358628	4. 455693348	0. 981352733	-0. 02715631
Gng5	ENSMUSG00000068523	363. 4749455	356. 724451	0. 981427896	-0. 027045816
Atp5g1	ENSMUSG0000006057	455. 6876453	447. 2939265	0. 981580105	-0. 026822087
Cox6a1	ENSMUSG00000041697	1880. 521348	1846. 973565	0. 982160382	-0. 025969467
Mrp123	ENSMUSG00000037772	218. 5083904	214. 6486048	0. 982335756	-0. 025711883
Mrp116	ENSMUSG00000024683	49. 63571431	48. 76427368	0. 982443274	-0. 025553986
Dap3	ENSMUSG00000068921	162. 9550098	160. 1338908	0. 982687743	-0. 025195034
BC003965	ENSMUSG00000067722	60. 07850385	59. 04478822	0. 982793919	-0. 025039164
Cr1s1	ENSMUSG00000027357	104. 7534848	102. 9769778	0. 98304107	-0. 024676403
Mmachc	ENSMUSG00000028690	33. 92525832	33. 35980267	0. 983332311	-0. 024249046
Mrp132	ENSMUSG00000015672	140. 7206191	138. 4257017	0. 983691677	-0. 0237219
Dhx30	ENSMUSG00000032480	13. 90099606	13. 67622044	0. 98383025	-0. 02351868
Hars2	ENSMUSG00000019143	18. 96408798	18. 65785335	0. 983851866	-0. 023486983
Sdhaf1	ENSMUSG00000074211	1. 6948528	1. 668244215	0. 984300356	-0. 022829478
Tomm5	ENSMUSG00000078713	808. 1574224	795. 82808	0. 984743885	-0. 022179541
Trmt11	ENSMUSG00000019792	33. 7363197	33. 22254887	0. 984770988	-0. 022139836
Alkbh7	ENSMUSG00000002661	100. 8802498	99. 35702358	0. 98490065	-0. 021949893
Mpv171	ENSMUSG00000022679	7. 266205697	7. 160602146	0. 985466479	-0. 021121296
Fkbp8	ENSMUSG00000019428	122. 8006162	121. 0545111	0. 985780974	-0. 020660958
Rhot1	ENSMUSG00000017686	24. 41276965	24. 06602858	0. 985796733	-0. 020637895
Cbr4	ENSMUSG00000031641	27. 31501009	26. 92788149	0. 985827257	-0. 020593224
Rmnd1	ENSMUSG00000019763	22. 09677716	21. 78391304	0. 985841188	-0. 020572838
Tmem11	ENSMUSG00000043284	141. 0580788	139. 0701046	0. 985906697	-0. 020476974
Mtg2	ENSMUSG00000039069	19. 28643425	19. 0230714	0. 986344658	-0. 019836239
Cisd2	ENSMUSG00000028165	25. 32522814	24. 97993303	0. 986365568	-0. 019805656
Kif1b	ENSMUSG00000063077	7. 190610601	7. 099076854	0. 987270379	-0. 018482852
Tamm41	ENSMUSG00000030316	58. 25419486	57. 5226058	0. 987441436	-0. 018232909
Ndufs6	ENSMUSG00000021606	744. 3912874	735. 1481569	0. 987582968	-0. 018026139
Clpb	ENSMUSG00000001829	27. 02651491	26. 69586089	0. 98776557	-0. 017759413
Dnajc19	ENSMUSG00000027679	296. 8844817	293. 2706933	0. 987827628	-0. 017668776
Timm22	ENSMUSG00000020843	154. 3597643	152. 5511005	0. 988282802	-0. 017004159
Dbt	ENSMUSG00000000340	31. 09225657	30. 72850534	0. 988300906	-0. 016977732

Yme111	ENSMUSG00000026775	63.91522852	63.16871514	0.988320258	-0.016949483
Rars2	ENSMUSG00000028292	103.9827601	102.7898968	0.988528259	-0.016645886
Scp2	ENSMUSG00000028603	202.2504678	199.9471713	0.988611663	-0.016524168
Mrps15	ENSMUSG00000028861	193.5166249	191.4388001	0.98926281	-0.015574253
Malsu1	ENSMUSG00000029815	64.86594699	64.17605734	0.989364379	-0.015426138
Mdh2	ENSMUSG00000019179	860.218946	851.3373125	0.989675148	-0.014973044
Tomm34	ENSMUSG00000018322	13.81391571	13.67477755	0.989927681	-0.014604961
Mrps6	ENSMUSG00000039680	107.9227822	106.8369938	0.989939211	-0.014588159
Pnpo	ENSMUSG00000018659	17.9443153	17.76758042	0.990150927	-0.014279646
Sco1	ENSMUSG00000069844	21.05995166	20.85598972	0.990315175	-0.014040348
Hscb	ENSMUSG00000043510	44.64242291	44.21018475	0.990317771	-0.014036566
Golph3	ENSMUSG00000022200	33.93958647	33.6157275	0.990457781	-0.013832615
Coa3	ENSMUSG00000017188	490.5939127	485.9935316	0.990622833	-0.013592221
Cep89	ENSMUSG00000023072	16.28110426	16.13356679	0.990938116	-0.013133131
Nudt5	ENSMUSG00000025817	65.50493175	64.9322295	0.991257112	-0.012668782
Pdss1	ENSMUSG00000026784	38.23679432	37.91400535	0.991558158	-0.012230701
Suc1g1	ENSMUSG00000052738	652.8898984	647.4248839	0.991629501	-0.012126903
2410015M2C	ENSMUSG00000049760	215.3438845	213.6243235	0.992014814	-0.01156643
Bcl2l13	ENSMUSG00000009112	11.60542891	11.51387689	0.992111277	-0.011426151
Tk2	ENSMUSG00000035824	8.24602272	8.181229863	0.992142532	-0.0113807
Ftsj2	ENSMUSG00000029557	14.92469049	14.80911333	0.992255976	-0.011215748
9430016H08	ENSMUSG00000025971	13.35945745	13.25653982	0.992296272	-0.011157162
Ndufaf5	ENSMUSG00000027384	22.31291389	22.1423288	0.992354872	-0.011071966
Phb2	ENSMUSG00000004264	389.4904678	386.534128	0.992409725	-0.010992222
Fundc2	ENSMUSG00000031198	8.169964443	8.109542263	0.992604352	-0.010709315
Ndufb7	ENSMUSG00000033938	109.9397309	109.1266986	0.992604745	-0.010708743
Coq9	ENSMUSG00000031782	97.89052295	97.169145	0.992630768	-0.010670921
Coq6	ENSMUSG00000021235	33.47734873	33.23206275	0.992673076	-0.010609431
Nipsnap3b	ENSMUSG00000015247	157.517038	156.3959035	0.992882456	-0.010305163
Grsf1	ENSMUSG00000044221	116.2918543	115.4663016	0.992901027	-0.010278178
Pet112	ENSMUSG00000028085	13.52836925	13.43286522	0.992940463	-0.010220879
Preli1	ENSMUSG00000021486	480.905163	477.516953	0.992954515	-0.010200462
Slc25a46	ENSMUSG00000024259	11.76577374	11.68291533	0.992957674	-0.010195872
Ogdh	ENSMUSG00000020456	38.45863072	38.19038391	0.993025056	-0.010097975
2810006K23	ENSMUSG00000047635	16.78835694	16.67332518	0.993148123	-0.009919191
Wbscr16	ENSMUSG00000061979	19.91125945	19.77516539	0.99316497	-0.009894718
Mrps31	ENSMUSG00000031533	37.80517553	37.55882358	0.993483645	-0.009431877
Mrps24	ENSMUSG00000020477	377.9529688	375.5161139	0.993552492	-0.009331904
Pif1	ENSMUSG00000041064	2.790188536	2.772431641	0.993635952	-0.009210721
Cars2	ENSMUSG00000056228	10.7738744	10.70662589	0.993758186	-0.009033255
Mrp142	ENSMUSG00000062981	812.9186083	808.3513513	0.994381655	-0.008128414
Ak4	ENSMUSG00000028527	127.8513676	127.149222	0.99450811	-0.007944958
Tfam	ENSMUSG00000003923	57.88602229	57.60017858	0.995061956	-0.007141739

Fam213a	ENSMUSG00000021792	171.20186	170.510737	0.99596311	-0.005835788
Iscu	ENSMUSG00000025825	222.2547068	221.3975516	0.996143366	-0.005574704
Atp5a1	ENSMUSG00000025428	814.2843082	811.2435535	0.996265733	-0.005397492
Slc25a39	ENSMUSG00000018677	506.688791	504.9536005	0.996575431	-0.004949087
Mrpl28	ENSMUSG00000024181	448.8042326	447.3862988	0.996840641	-0.004565207
Acad1	ENSMUSG00000026003	211.5002051	210.837821	0.996868163	-0.004525376
Chchd5	ENSMUSG00000037938	117.5805834	117.2530086	0.997214041	-0.004024899
Tmem205	ENSMUSG00000040883	22.14224981	22.08079507	0.997224548	-0.004009697
Fisl	ENSMUSG00000019054	234.0037443	233.4278527	0.997538964	-0.003554901
Sdhc	ENSMUSG00000058076	101.314996	101.0838094	0.99771814	-0.003295789
CYTB	ENSMUSG00000064370	9693.591446	9671.922829	0.997764645	-0.003228545
Mrpl38	ENSMUSG00000020775	85.03986551	84.85182522	0.997788798	-0.003193622
Mrpl24	ENSMUSG00000019710	65.99710463	65.85914588	0.997909624	-0.003018931
Trnt1	ENSMUSG00000013736	93.75098376	93.57039789	0.998073771	-0.002781641
Mrpl13	ENSMUSG00000022370	98.64577144	98.47613135	0.998280311	-0.002483123
Dnajc30	ENSMUSG00000061118	6.269256486	6.261123687	0.998702749	-0.001872753
Xpnp3	ENSMUSG00000022401	5.819159857	5.814070258	0.999125372	-0.001262373
Bdh1	ENSMUSG00000046598	10.98033289	10.97143217	0.999189394	-0.001169931
Dus2	ENSMUSG00000031901	16.99993407	16.98671656	0.999222497	-0.001122137
Slc25a38	ENSMUSG00000032519	28.44214378	28.42083677	0.999250865	-0.001081178
Fech	ENSMUSG00000024588	15.47010836	15.46089073	0.999404165	-0.000859864
Mrpl52	ENSMUSG00000010406	230.0335866	229.9108279	0.999466345	-0.000770107
Cpt2	ENSMUSG00000028607	33.95663592	33.9387395	0.999472963	-0.000760555
Timm23	ENSMUSG00000013701	1170.61427	1170.050303	0.999518229	-0.000695215
Mgst3	ENSMUSG00000026688	159.0134921	158.9525956	0.999617036	-0.000552606
Mthfd21	ENSMUSG00000029376	0.126401334	0.126356562	0.999645792	-0.000511105
Acads	ENSMUSG00000029545	19.04840138	19.04201311	0.99966463	-0.000483918
Glr5	ENSMUSG00000021102	154.2795421	154.2580814	0.999860897	-0.000200697
Coa7	ENSMUSG00000048351	72.85499711	72.8535119	0.999979614	-2.94108E-05
Clybl	ENSMUSG00000025545	32.82392022	32.82846276	1.000138391	0.000199642
Atp5g2	ENSMUSG00000062683	586.2529537	586.4835631	1.000393362	0.000567389
Mrps26	ENSMUSG00000037740	50.90155021	50.93266015	1.000611179	0.000881475
Ict1	ENSMUSG00000018858	78.83566695	78.89503279	1.000753033	0.001085988
Hadha	ENSMUSG00000025745	71.08371689	71.1391	1.000779125	0.001123602
1110001A16	ENSMUSG00000062691	23.8277665	23.84658671	1.000789844	0.001139054
Park7	ENSMUSG00000028964	460.6474847	461.0859243	1.00095179	0.001372489
Trit1	ENSMUSG00000028653	13.3839189	13.39925608	1.001145941	0.001652297
Mett115	ENSMUSG00000057234	12.8223337	12.83804289	1.001225143	0.001766426
Mrps30	ENSMUSG00000021731	46.77772968	46.83681592	1.001263128	0.001821158
Tomm70a	ENSMUSG00000022752	61.37578307	61.45984284	1.001369592	0.001974552
Rmdn3	ENSMUSG00000070730	54.61254403	54.71093407	1.001801602	0.002596823
Slirp	ENSMUSG00000021040	68.27146319	68.39748516	1.001845895	0.002660609
Pmpcb	ENSMUSG00000029017	139.7284505	140.0520838	1.002316159	0.003337647

Mrp13	ENSMUSG00000032563	83. 67322312	83. 88016541	1. 00247322	0. 003563697
Ndufs3	ENSMUSG00000005510	404. 7623116	405. 8658583	1. 002726407	0. 003928021
Dcakd	ENSMUSG00000020935	40. 49117447	40. 60165312	1. 002728462	0. 003930979
Fpgs	ENSMUSG00000009566	19. 89297839	19. 94948328	1. 002840444	0. 004092086
Ptrh2	ENSMUSG00000072582	15. 34484707	15. 38931605	1. 002897975	0. 004174848
Acadm	ENSMUSG00000062908	449. 4525742	450. 8026649	1. 003003856	0. 004327152
Dhtkd1	ENSMUSG00000025815	3. 145118826	3. 15684512	1. 00372841	0. 005368957
Cyp27b1	ENSMUSG00000006724	0. 168701318	0. 169354436	1. 00387145	0. 005574538
Atp5b	ENSMUSG00000025393	2416. 311318	2425. 975529	1. 003999572	0. 005758654
Cryz	ENSMUSG00000028199	48. 32074459	48. 51536054	1. 004027586	0. 005798908
Mtch2	ENSMUSG00000027282	342. 3365331	343. 8853328	1. 004524202	0. 006512324
Rps14	ENSMUSG00000024608	2713. 855575	2726. 603847	1. 004697476	0. 006761158
Cox4i1	ENSMUSG00000031818	1736. 706772	1745. 657805	1. 005154026	0. 007416592
Slc25a22	ENSMUSG00000019082	4. 577053642	4. 600809547	1. 005190218	0. 007468536
Nfs1	ENSMUSG00000027618	36. 95915815	37. 15441667	1. 005283089	0. 007601823
Sdr39u1	ENSMUSG00000022223	56. 56435881	56. 87766501	1. 005538933	0. 007968942
Dnlz	ENSMUSG00000075467	17. 74367513	17. 84465843	1. 005691228	0. 00818743
Uqcc1	ENSMUSG00000005882	68. 19655402	68. 58707288	1. 005726372	0. 008237845
Mrp155	ENSMUSG00000036860	182. 5276205	183. 5918354	1. 005830432	0. 008387109
Mmadhc	ENSMUSG00000026766	188. 8933407	190. 0414717	1. 006078198	0. 008742443
Cox15	ENSMUSG00000040018	22. 19021881	22. 33379644	1. 006470312	0. 009304617
Mrp12	ENSMUSG0000002767	259. 0387719	260. 7156953	1. 006473639	0. 009309386
Slc25a12	ENSMUSG00000027010	8. 720651116	8. 777861905	1. 00656038	0. 009433718
Pdk3	ENSMUSG00000035232	4. 12381516	4. 151159041	1. 006630724	0. 009534537
Yars2	ENSMUSG00000022792	26. 52760023	26. 70396455	1. 006648333	0. 009559774
Peol	ENSMUSG00000025209	3. 776350627	3. 802633494	1. 006959859	0. 010006173
Prepl	ENSMUSG00000024127	7. 32083334	7. 372456299	1. 007051514	0. 010137484
Pdss2	ENSMUSG00000038240	3. 445101576	3. 469733354	1. 007149797	0. 010278277
Dguok	ENSMUSG00000014554	60. 29654025	60. 74484858	1. 007435059	0. 010686843
Slc25a13	ENSMUSG00000015112	31. 81868935	32. 05659701	1. 007476979	0. 010746873
Mul1	ENSMUSG00000041241	25. 36871633	25. 56347512	1. 007677124	0. 01103345
Tefm	ENSMUSG00000046909	50. 87663136	51. 28712928	1. 008068496	0. 011593671
Aco2	ENSMUSG00000022477	223. 7462967	225. 5935665	1. 008256091	0. 011862121
Ndufa7	ENSMUSG00000041881	834. 0318473	840. 9608028	1. 008307783	0. 011936084
Gfm2	ENSMUSG00000021666	16. 04848614	16. 18262813	1. 008358545	0. 012008713
Trmt2b	ENSMUSG00000067369	6. 814218834	6. 871568283	1. 008416144	0. 01209112
Mpc2	ENSMUSG00000026568	58. 59789753	59. 11787337	1. 008873626	0. 01274547
Tstd3	ENSMUSG00000028251	7. 713107353	7. 781640931	1. 00888534	0. 012762221
Ttc7b	ENSMUSG00000033530	23. 87616249	24. 09052476	1. 008978087	0. 012894843
Ndufb4	ENSMUSG00000022820	334. 7057432	337. 749024	1. 009092407	0. 013058295
2310061I04	ENSMUSG00000050705	60. 22227584	60. 77922119	1. 009248162	0. 013280959
Nme4	ENSMUSG00000024177	74. 66842099	75. 36855876	1. 009376625	0. 013464582
Crat	ENSMUSG00000026853	23. 78832917	24. 01190661	1. 009398619	0. 013496017

Mrps23	ENSMUSG00000023723	116.7087414	117.811333	1.009447378	0.013565706
Ndufb5	ENSMUSG00000027673	245.4920363	247.9152255	1.009870745	0.014170651
Msra	ENSMUSG00000054733	11.04354808	11.15357422	1.009962934	0.014302347
Tmem70	ENSMUSG00000025940	180.1735322	182.0005711	1.01014044	0.014555885
Ppif	ENSMUSG00000021868	47.45462173	47.94514667	1.010336716	0.014836181
Txnrd2	ENSMUSG00000075704	15.91582474	16.08121433	1.010391519	0.014914434
Grpel1	ENSMUSG00000029198	116.6234664	117.8492287	1.010510427	0.015084208
Higd2a	ENSMUSG00000025868	253.4896305	256.2558628	1.010912605	0.01565828
Slmo2	ENSMUSG00000016257	196.8378776	198.9860808	1.010913566	0.015659651
Spg7	ENSMUSG00000000738	16.32384779	16.50299082	1.010974314	0.015746343
1700066M21	ENSMUSG00000038323	6.15993041	6.227575341	1.010981444	0.015756518
Romol	ENSMUSG00000067847	178.0375916	180.1195782	1.011694084	0.016773115
Ccdc51	ENSMUSG00000025645	13.56949204	13.72826089	1.011700427	0.016782159
Sars2	ENSMUSG00000070699	18.2588408	18.47591895	1.011888934	0.017050947
Idh1	ENSMUSG00000025950	249.0819737	252.0606138	1.011958473	0.017150089
Cox6b1	ENSMUSG00000036751	2713.837825	2746.716851	1.012115325	0.017373686
Ndufv2	ENSMUSG00000024099	582.8562708	590.4961625	1.013107677	0.018787517
Adck1	ENSMUSG00000021044	7.012897193	7.106002763	1.013276335	0.019027671
Immt	ENSMUSG00000052337	107.0580536	108.4839674	1.013319071	0.019088518
Atxn2	ENSMUSG00000042605	31.76473538	32.19544731	1.013559437	0.019430693
Atpif1	ENSMUSG00000054428	155.9877698	158.2378297	1.014424592	0.020661625
Mrpl40	ENSMUSG00000022706	213.4724872	216.5908945	1.014608006	0.020922449
Vdac2	ENSMUSG00000021771	533.6376584	541.5719782	1.014868366	0.021292613
Gars	ENSMUSG00000029777	174.0950089	176.6837908	1.014869938	0.021294849
Fam162a	ENSMUSG00000003955	77.42856575	78.59593044	1.015076667	0.021588696
Txn2	ENSMUSG00000005354	613.2690308	622.9222512	1.015740597	0.022532009
Pdha1	ENSMUSG00000031299	111.6024053	113.370358	1.015841529	0.022675359
Ndufs5	ENSMUSG00000028648	931.330729	946.1038397	1.015862368	0.022704955
Sdhb	ENSMUSG00000009863	553.5803297	562.3762821	1.015889207	0.02274307
Trmt10c	ENSMUSG00000044763	16.93612316	17.21388779	1.016400721	0.023469304
Atp5c1	ENSMUSG00000025781	956.0380647	972.2830823	1.01699202	0.024308358
Slc25a4	ENSMUSG00000031633	480.8911982	489.0944365	1.017058408	0.024402533
Cox8a	ENSMUSG00000035885	2346.402236	2386.821429	1.017226029	0.024640284
Gm2382	ENSMUSG00000079427	6.837740611	6.955781378	1.017263124	0.024692894
Mrpl19	ENSMUSG00000030045	44.57600746	45.3506046	1.017376997	0.02485438
Rpl10a	ENSMUSG00000037805	530.1395512	539.4477594	1.017558034	0.025111077
Slc25a10	ENSMUSG00000025792	69.71267039	70.95056861	1.017757148	0.025393354
Acyp2	ENSMUSG00000060923	5.148915209	5.240904354	1.017865733	0.025547268
Gcdh	ENSMUSG00000003809	46.65276198	47.49201838	1.017989426	0.025722575
As3mt	ENSMUSG00000003559	12.1087372	12.32969068	1.018247442	0.02608819
Mrpl48	ENSMUSG00000030706	58.50047287	59.57024305	1.018286522	0.026143559
Acad10	ENSMUSG00000029456	2.900963698	2.954375051	1.01841159	0.026320743
Oxr1	ENSMUSG00000022307	7.8608215	8.005593335	1.018416884	0.026328242

Tars2	ENSMUSG00000028107	25. 25855865	25. 72832452	1. 018598285	0. 026585193
Marc2	ENSMUSG00000073481	66. 49780406	67. 74029887	1. 01868475	0. 026707652
Cyb5b	ENSMUSG00000031924	29. 68505527	30. 24316374	1. 018800992	0. 026872269
Pde12	ENSMUSG00000043702	3. 67240527	3. 742281437	1. 019027357	0. 027192783
Timm9	ENSMUSG00000021079	62. 99845802	64. 20730558	1. 019188526	0. 027420941
Timm44	ENSMUSG00000002949	91. 42943481	93. 19191519	1. 019276947	0. 027546098
1810043H04	ENSMUSG00000078572	122. 6166264	125. 0023658	1. 0194569	0. 027800783
Spryd4	ENSMUSG00000051346	34. 28334066	34. 95043474	1. 019458258	0. 027802704
Hsd17b4	ENSMUSG00000024507	53. 84066287	54. 90628586	1. 019792159	0. 028275151
Slc25a36	ENSMUSG00000032449	39. 24237583	40. 0196078	1. 019805936	0. 02829464
Coasy	ENSMUSG00000001755	22. 26279242	22. 72040995	1. 020555262	0. 029354304
Mrs2	ENSMUSG00000021339	16. 84098958	17. 18814638	1. 0206138	0. 029437055
Pet100	ENSMUSG00000087687	132. 5452145	135. 2922564	1. 020725319	0. 029594684
Atp5e	ENSMUSG00000016252	398. 2683619	406. 5697157	1. 020843618	0. 029761879
Tfblm	ENSMUSG00000036983	13. 53239904	13. 81674645	1. 021012343	0. 030000307
Rpl35a	ENSMUSG00000060636	448. 3456995	457. 8189354	1. 021129311	0. 030165574
Lrpprc	ENSMUSG00000024120	89. 30104287	91. 20812202	1. 02135562	0. 030485278
Bckdhh	ENSMUSG00000032263	62. 51339438	63. 85135414	1. 021402769	0. 030551876
Bolal	ENSMUSG00000015943	106. 3944977	108. 6743045	1. 021427864	0. 03058732
Chchd2	ENSMUSG00000070493	837. 7578473	855. 9139251	1. 021672226	0. 030932424
Spr	ENSMUSG00000033735	32. 74496882	33. 45834825	1. 021785925	0. 031092968
Ndufs7	ENSMUSG00000020153	809. 1107922	826. 7691808	1. 021824438	0. 031147345
Mrp19	ENSMUSG00000028140	62. 74834896	64. 12487664	1. 021937273	0. 031306646
Mrps7	ENSMUSG00000046756	174. 6088939	178. 4906069	1. 022230901	0. 031721108
Aurkaip1	ENSMUSG00000065990	230. 1398567	235. 4163677	1. 022927411	0. 032703772
Mrps18a	ENSMUSG00000023967	177. 8592176	181. 9620961	1. 023068125	0. 032902215
Coa4	ENSMUSG00000044881	68. 93466521	70. 5304554	1. 023149314	0. 033016701
Smdt1	ENSMUSG00000022452	457. 1641564	467. 8108042	1. 023288457	0. 033212887
March5	ENSMUSG00000023307	130. 1157741	133. 1907553	1. 023632655	0. 033698077
Atp5f1	ENSMUSG00000000563	1040. 49091	1065. 671874	1. 024201042	0. 034498932
Pgs1	ENSMUSG00000017715	9. 353979502	9. 587698827	1. 024986085	0. 035604324
Nt5dc3	ENSMUSG00000054027	1. 923497955	1. 971974432	1. 02520225	0. 03590855
Bcat1	ENSMUSG00000030268	117. 7156892	120. 6964229	1. 025321465	0. 036076303
Tspo	ENSMUSG00000041736	18. 33069978	18. 80570008	1. 02591283	0. 036908153
Tomm7	ENSMUSG00000028998	314. 7694772	322. 9603899	1. 026021941	0. 037061582
Ndufb6	ENSMUSG00000071014	333. 110251	341. 8226202	1. 026154611	0. 037248119
Ndufs1	ENSMUSG00000025968	120. 2573141	123. 4195618	1. 026295679	0. 037446436
Mrp115	ENSMUSG00000033845	132. 2756628	135. 8323453	1. 026888412	0. 038279418
Dnajc15	ENSMUSG00000022013	240. 6682257	247. 1433935	1. 026904955	0. 03830266
Mrp146	ENSMUSG00000030612	142. 7064469	146. 6255961	1. 027463014	0. 039086462
Cox7a2	ENSMUSG00000032330	1527. 011545	1569. 234	1. 027650384	0. 039349529
Ndufa13	ENSMUSG00000036199	261. 2690959	268. 4954883	1. 027658811	0. 03936136
Hibch	ENSMUSG00000041426	48. 47965623	49. 8293334	1. 027840073	0. 039615806

Dars2	ENSMUSG00000026709	16. 57975524	17. 04167622	1. 027860542	0. 039644536
Ndufaf4	ENSMUSG00000028261	38. 64815437	39. 72827746	1. 027947598	0. 039766722
Mrp143	ENSMUSG00000025208	137. 3412299	141. 2305296	1. 028318515	0. 0402872
Rp134	ENSMUSG00000062006	290. 9788382	299. 2393023	1. 028388539	0. 040385437
Rbfa	ENSMUSG00000024570	30. 30373992	31. 16463899	1. 028409004	0. 040414146
Idh3b	ENSMUSG00000027406	342. 6634918	352. 5280947	1. 028788018	0. 040945746
Casp8	ENSMUSG00000026029	0. 267395308	0. 275171053	1. 029079586	0. 041354561
Cry1	ENSMUSG00000020038	24. 31321299	25. 02043321	1. 029087896	0. 041366211
Ndufc1	ENSMUSG00000037152	590. 2688725	607. 5264861	1. 029236869	0. 041575043
Mterfd2	ENSMUSG00000026273	26. 85283083	27. 64546228	1. 029517612	0. 041968511
Abcb10	ENSMUSG00000031974	2. 324035813	2. 392643436	1. 029520897	0. 041973114
Pank2	ENSMUSG00000037514	18. 20261016	18. 74287738	1. 029680755	0. 04219711
Trmt1	ENSMUSG00000001909	46. 85187664	48. 27082736	1. 030285889	0. 043044719
Qrs11	ENSMUSG00000019863	42. 93276124	44. 23553219	1. 030344448	0. 043126717
Mrps25	ENSMUSG00000014551	42. 68813221	43. 99010538	1. 030499652	0. 043344018
Atp5j	ENSMUSG00000022890	1759. 835689	1814. 100439	1. 030835123	0. 043813599
Slc25a15	ENSMUSG00000031482	3. 994082125	4. 118016041	1. 031029386	0. 044085452
Fam210b	ENSMUSG00000027495	6. 420642948	6. 622669713	1. 031465192	0. 044695137
Mrp111	ENSMUSG00000024902	37. 68066719	38. 86820098	1. 031515732	0. 044765824
Mrp135	ENSMUSG00000052962	141. 1783565	145. 6508928	1. 031680042	0. 044995613
Ndufaf6	ENSMUSG00000050323	63. 30465374	65. 31240438	1. 031715688	0. 045045459
Cox10	ENSMUSG00000042148	44. 71104136	46. 13257662	1. 03179383	0. 045154725
Ppa2	ENSMUSG00000028013	68. 82213023	71. 01568917	1. 031872872	0. 04526524
Idh2	ENSMUSG00000030541	167. 1400002	172. 4759515	1. 031925041	0. 045338177
Tomm22	ENSMUSG00000022427	316. 0735781	326. 1891472	1. 032003843	0. 045448343
Alas1	ENSMUSG00000032786	54. 0727809	55. 8073212	1. 032077882	0. 045551843
Pam16	ENSMUSG00000014301	185. 325715	191. 2843199	1. 032152068	0. 04565554
Abhd11	ENSMUSG00000040532	69. 28667998	71. 51784919	1. 032201993	0. 045725322
Higd1a	ENSMUSG00000038412	300. 3379082	310. 1202947	1. 032571268	0. 04624136
Mtif3	ENSMUSG00000016510	13. 34781861	13. 78691595	1. 032896562	0. 046695784
Mrps16	ENSMUSG00000049960	240. 2698707	248. 2374353	1. 033160898	0. 047064948
Mrps35	ENSMUSG00000040112	75. 45932638	77. 96193771	1. 033165037	0. 047070727
Mrp127	ENSMUSG00000024414	290. 8949654	300. 5823459	1. 033301987	0. 04726195
Macrodl	ENSMUSG00000036278	1. 787508959	1. 847771911	1. 03371337	0. 047836208
COX2	ENSMUSG00000064354	83. 25014373	86. 0670646	1. 033836829	0. 048008502
Acad12	ENSMUSG00000042647	1. 540399344	1. 592829092	1. 034036464	0. 048287062
Hccs	ENSMUSG00000031352	15. 86692186	16. 41399642	1. 034478935	0. 048904268
Dut	ENSMUSG00000027203	238. 6004634	246. 8727098	1. 034669867	0. 04917052
Tsfm	ENSMUSG00000040521	88. 63849464	91. 71310487	1. 034687076	0. 049194515
Chchd6	ENSMUSG00000030086	18. 21713581	18. 85780089	1. 035168266	0. 049865296
Tcaim	ENSMUSG00000046603	3. 623119479	3. 751381722	1. 035401053	0. 05018969
Cs	ENSMUSG00000005683	99. 94532221	103. 52859	1. 035852282	0. 050818281
Mief1	ENSMUSG00000022412	6. 302774016	6. 529086591	1. 03590682	0. 050894239

Hrsp12	ENSMUSG00000022323	23. 20073374	24. 0481732	1. 036526407	0. 051756872
Dnajc11	ENSMUSG00000039768	75. 439512	78. 20533476	1. 036662787	0. 051946681
Emc2	ENSMUSG00000022337	129. 856291	134. 6995599	1. 037297145	0. 052829229
Oxall	ENSMUSG00000000959	61. 13730661	63. 41959201	1. 037330487	0. 0528756
Akap1	ENSMUSG00000018428	21. 80564883	22. 62200372	1. 037437771	0. 053024801
Hdhd3	ENSMUSG00000038422	7. 091057148	7. 357606967	1. 037589574	0. 053235888
Mrp154	ENSMUSG00000034932	304. 667647	316. 1285428	1. 037617699	0. 053274993
Cox7c	ENSMUSG00000017778	1599. 387542	1659. 592714	1. 037642641	0. 053309673
Slc25a3	ENSMUSG00000061904	621. 9742351	645. 5251504	1. 037864776	0. 053618487
Mrp134	ENSMUSG00000034880	183. 9756113	190. 9654104	1. 037993074	0. 053796818
Ephx2	ENSMUSG00000022040	5. 404718237	5. 612014829	1. 038354745	0. 054299413
Atp5l	ENSMUSG00000038717	170. 9648896	177. 5600224	1. 038575949	0. 054606721
Mrp151	ENSMUSG00000030335	194. 8056411	202. 3364772	1. 038658203	0. 054720977
Lias	ENSMUSG00000029199	88. 98435188	92. 43593545	1. 038788658	0. 054902167
Coq5	ENSMUSG00000041733	69. 62492981	72. 3394939	1. 038988393	0. 055179537
COX1	ENSMUSG00000064351	5846. 310677	6075. 397814	1. 039184907	0. 055452382
Dhrs1	ENSMUSG00000002332	11. 42848167	11. 87637212	1. 039190723	0. 055460456
Acaca	ENSMUSG00000020532	4. 629132159	4. 812118312	1. 039529257	0. 055930362
Timmdc1	ENSMUSG00000002846	46. 46635257	48. 30650219	1. 039601766	0. 05603099
Fahd2a	ENSMUSG00000027371	23. 04733725	23. 97287463	1. 040158105	0. 056802835
Hk2	ENSMUSG00000000628	89. 97108447	93. 59927923	1. 040326231	0. 057036008
Mrp150	ENSMUSG00000044018	34. 02510329	35. 40150447	1. 04045252	0. 057211131
Mtol	ENSMUSG00000032342	17. 93386567	18. 66084288	1. 040536559	0. 057327655
Slc30a9	ENSMUSG00000029221	15. 87067794	16. 52951128	1. 041512615	0. 058680314
Slc25a31	ENSMUSG00000069041	1. 58623871	1. 6521748	1. 041567571	0. 058756436
Aldh2	ENSMUSG00000029455	17. 47103819	18. 2017224	1. 041822598	0. 059109636
Acat1	ENSMUSG00000032047	74. 23725819	77. 36303788	1. 042105268	0. 059501019
Mtx2	ENSMUSG00000027099	191. 4297864	199. 5834551	1. 042593522	0. 0601768
Abcd3	ENSMUSG00000028127	14. 84353013	15. 47766513	1. 042721306	0. 060353613
Slc25a26	ENSMUSG00000045100	12. 78148513	13. 33211734	1. 043080456	0. 060850441
Mcur1	ENSMUSG00000021371	13. 76423883	14. 36809987	1. 043871735	0. 061944453
Mrp118	ENSMUSG00000057388	626. 7640173	654. 5567614	1. 044343235	0. 062595948
Dnm1l	ENSMUSG00000022789	34. 46616095	36. 00333193	1. 044599425	0. 062949815
Mrps36	ENSMUSG00000061474	220. 8761473	230. 7490468	1. 044698804	0. 06308706
Gfer	ENSMUSG00000040888	30. 58338272	31. 95971719	1. 045002689	0. 063506655
Pus1l	ENSMUSG00000051557	27. 48436672	28. 72244415	1. 045046606	0. 063567283
Atp5h	ENSMUSG00000034566	1281. 602535	1339. 47943	1. 045159785	0. 063723519
Atp5o	ENSMUSG00000022956	1096. 189565	1145. 781689	1. 045240463	0. 06383488
Ndufb9	ENSMUSG00000022354	1082. 144393	1132. 794061	1. 046804907	0. 065992592
Atp5d	ENSMUSG00000003072	706. 6199565	739. 8539684	1. 047032371	0. 066306047
Coq7	ENSMUSG00000030652	94. 83246366	99. 29705904	1. 047078766	0. 066369973
Slc25a20	ENSMUSG00000032602	38. 41194145	40. 22294746	1. 047146953	0. 06646392
Ndufa8	ENSMUSG00000026895	382. 3415333	400. 4293178	1. 047307925	0. 06668568

1110001J03	ENSMUSG00000019689	144.5605429	151.4176894	1.047434426	0.066859928
Ccdc58	ENSMUSG00000075229	224.4531546	235.2181868	1.047961153	0.067585239
Acsf3	ENSMUSG00000015016	4.596171985	4.821959587	1.049125142	0.069186776
Uqcrb	ENSMUSG00000021520	1315.228035	1380.376911	1.049534282	0.069749291
Uqcrq	ENSMUSG00000044894	1081.479946	1135.901377	1.050321257	0.070830666
Lym5	ENSMUSG00000040370	32.09292268	33.71917496	1.050673237	0.071314056
Fastkd3	ENSMUSG00000021532	16.22592128	17.0491565	1.050735808	0.07139997
Tmem126a	ENSMUSG00000030615	137.4970552	144.5236984	1.051103954	0.071905359
Fh1	ENSMUSG00000026526	161.185883	169.4263498	1.051123998	0.07193287
Aldh3a2	ENSMUSG00000010025	18.07388275	19.00031942	1.051258309	0.072117204
Cox7a21	ENSMUSG00000024248	124.0766493	130.4472746	1.051344273	0.072235171
Rps18	ENSMUSG00000008668	595.7093522	626.3859759	1.051495958	0.072443304
Cox11	ENSMUSG00000020544	8.382344323	8.817337187	1.051893939	0.072989247
Mtftp1	ENSMUSG00000004748	52.195302	54.906695	1.05194707	0.073062115
Mrp11	ENSMUSG00000029486	45.35227326	47.71583554	1.05211563	0.073293268
Suox	ENSMUSG00000049858	4.548457977	4.785558216	1.052127609	0.073309695
Mtfmt	ENSMUSG00000059183	14.61808792	15.38202529	1.052259733	0.073490854
Pars2	ENSMUSG00000043572	6.761713476	7.117144714	1.052565262	0.073909687
Gstk1	ENSMUSG00000029864	41.89944711	44.11236048	1.052814859	0.074251755
Acol	ENSMUSG00000028405	30.18509148	31.78097389	1.052869888	0.074327162
Ndufa2	ENSMUSG00000014294	510.0056486	537.1636385	1.053250371	0.074848424
Foxred1	ENSMUSG00000039048	17.3589002	18.28367114	1.05327359	0.074880229
Mrp121	ENSMUSG00000024829	291.4456036	307.0069433	1.053393633	0.075044645
Mrps11	ENSMUSG00000030611	106.3599062	112.0444342	1.053446155	0.075116575
Cox14	ENSMUSG00000023020	457.0201682	481.7755522	1.05416694	0.076103353
Pts	ENSMUSG00000032067	31.45144502	33.16998851	1.054641162	0.07675221
Dlst	ENSMUSG00000004789	35.89348444	37.86823594	1.055016991	0.077266233
Vwa8	ENSMUSG00000058997	2.187421127	2.308274478	1.055249238	0.077583788
Uqcr10	ENSMUSG00000059534	2230.578629	2354.696181	1.055643657	0.078122921
Mett15	ENSMUSG00000051730	85.95818381	90.74265143	1.055660409	0.078145814
Uqcr11	ENSMUSG00000020163	996.7481994	1052.243908	1.055676758	0.078168158
Mrps21	ENSMUSG00000054312	419.6726264	443.0606563	1.055729224	0.078239856
Arf5	ENSMUSG00000020440	184.5889822	194.8771985	1.05573581	0.078248856
Rps15a	ENSMUSG00000008683	283.5388437	299.3537548	1.055776876	0.078304974
Pptc7	ENSMUSG00000038582	1.918882332	2.026621891	1.056147038	0.078810703
Acadsb	ENSMUSG00000030861	9.021002876	9.528150539	1.056218546	0.078908378
Maoa	ENSMUSG00000025037	7.340514106	7.75348979	1.056259777	0.078964695
Glyctk	ENSMUSG00000020258	0.161483814	0.17062351	1.056598213	0.079426875
Fastk	ENSMUSG00000028959	79.4402472	83.93672042	1.056601954	0.079431983
Mterfd1	ENSMUSG00000021519	81.01548287	85.60924701	1.056702299	0.079568989
Cmc1	ENSMUSG00000039163	59.46675049	62.84598034	1.056825534	0.079737229
Mrps2	ENSMUSG00000035772	43.71747627	46.21329958	1.057089831	0.080097981
Mrp136	ENSMUSG00000021607	325.7713737	344.3903789	1.057153595	0.080185003

Polg	ENSMUSG00000039176	7. 364288494	7. 789877596	1. 057790933	0. 081054514
Glrx2	ENSMUSG00000018196	20. 87500685	22. 08145659	1. 057793981	0. 081058671
9030617003	ENSMUSG00000021185	3. 617664189	3. 827638572	1. 058041425	0. 081396113
Mrp130	ENSMUSG00000026087	282. 9932078	299. 6948414	1. 05901779	0. 082726825
Dld	ENSMUSG00000020664	81. 30757229	86. 10675916	1. 059025091	0. 082736771
Surf1	ENSMUSG00000015790	107. 0119939	113. 3598506	1. 059319115	0. 08313726
Ptcd1	ENSMUSG00000029624	3. 694335312	3. 914178356	1. 059508146	0. 083394679
Acot9	ENSMUSG00000025287	70. 03673472	74. 21013187	1. 059588688	0. 083504347
Ndufa12	ENSMUSG00000020022	463. 1291425	491. 1300266	1. 060460208	0. 084690487
2610507B11	ENSMUSG00000010277	33. 69895381	35. 75025523	1. 060871368	0. 085249738
Minos1	ENSMUSG00000050608	429. 2963314	455. 6609768	1. 061413628	0. 085986978
Mthfd1	ENSMUSG00000021048	49. 18284236	52. 20729966	1. 061494154	0. 086096426
Ccb12	ENSMUSG00000040213	22. 39216094	23. 77099656	1. 061576711	0. 086208626
Acn9	ENSMUSG00000042505	7. 7434999	8. 22052022	1. 061602677	0. 086243913
Hemk1	ENSMUSG00000032579	23. 98323328	25. 46359152	1. 061724715	0. 086409751
Guf1	ENSMUSG00000029208	10. 08366802	10. 7100649	1. 062119943	0. 086946696
Tars	ENSMUSG00000022241	52. 75312043	56. 04911676	1. 062479647	0. 087435205
Uqcrfs1	ENSMUSG00000038462	350. 7225055	372. 7184298	1. 062716033	0. 087756148
Rab24	ENSMUSG00000034789	45. 23122142	48. 06869688	1. 062732674	0. 087778738
Ndufs2	ENSMUSG00000013593	154. 7097602	164. 4646045	1. 063052546	0. 08821291
Ndufa4	ENSMUSG00000029632	1166. 819642	1240. 542458	1. 063182701	0. 088389535
Mrps33	ENSMUSG00000029918	422. 4482402	449. 1398076	1. 063183048	0. 088390007
Gls	ENSMUSG00000026103	47. 90565554	50. 936981	1. 063276985	0. 08851747
Nsun4	ENSMUSG00000028706	8. 215663291	8. 735940258	1. 063327445	0. 088585935
Rexo2	ENSMUSG00000032026	157. 2408003	167. 2389499	1. 063584957	0. 088935278
BC026585	ENSMUSG00000033488	29. 07182498	30. 92469819	1. 063734328	0. 089137876
Trub2	ENSMUSG00000039826	19. 68544678	20. 94532766	1. 064000624	0. 089498997
Rpusd3	ENSMUSG00000051169	15. 84546757	16. 86114609	1. 064098993	0. 089632371
Nars2	ENSMUSG00000018995	14. 64993522	15. 60082802	1. 064907645	0. 090728317
Bax	ENSMUSG00000003873	122. 0683431	130. 021534	1. 065153591	0. 091061477
Mpv1712	ENSMUSG00000035559	172. 1378029	183. 4252073	1. 06557191	0. 091627956
Ssbp1	ENSMUSG00000029911	191. 5411488	204. 1256638	1. 065701365	0. 091803218
Tufm	ENSMUSG00000073838	169. 6841469	180. 9166188	1. 066196355	0. 092473155
Ndufa10	ENSMUSG00000026260	449. 3299227	479. 5096387	1. 06716605	0. 093784675
Atp5j2	ENSMUSG00000038690	546. 8210338	583. 5613915	1. 067188999	0. 093815699
Cyb5	ENSMUSG00000024646	143. 9279207	153. 641814	1. 067491375	0. 094224413
Cox17	ENSMUSG00000046516	2. 652090967	2. 832988846	1. 06820953	0. 09519466
Atp5k	ENSMUSG00000050856	640. 7039041	684. 5229897	1. 0683921	0. 095441214
Mrp122	ENSMUSG00000020514	549. 3788093	586. 9662667	1. 068418106	0. 095476329
Cyp27a1	ENSMUSG00000026170	0. 557624439	0. 595949787	1. 068729678	0. 095896988
Supv311	ENSMUSG00000020079	35. 62105311	38. 0823633	1. 069097064	0. 096392842
ND1	ENSMUSG00000064341	7792. 443739	8331. 01162	1. 069114119	0. 096415856
Ttc19	ENSMUSG00000042298	18. 80975054	20. 11147864	1. 069204963	0. 09653844

Chchd3	ENSMUSG00000053768	186.7409623	199.6678616	1.069223695	0.096563714
Mrpl44	ENSMUSG00000026248	72.65722484	77.72417709	1.069737762	0.097257174
Hoga1	ENSMUSG00000025176	1.118908455	1.196944022	1.069742584	0.097263678
Ndufc2	ENSMUSG00000030647	319.3217424	341.6264405	1.069850233	0.09740885
Bcs11	ENSMUSG00000026172	14.26787768	15.27678019	1.070711464	0.098569754
Micu1	ENSMUSG00000020111	19.76743105	21.16637934	1.070770364	0.098649115
Hsd12	ENSMUSG00000028383	13.16275862	14.09472038	1.070802921	0.09869298
Letm1	ENSMUSG00000005299	26.06333393	27.9122266	1.070938456	0.098875575
Oxnad1	ENSMUSG00000021906	25.48923256	27.30327802	1.071169089	0.099186234
Apoo	ENSMUSG00000049233	0.775080133	0.830259918	1.071192361	0.099217578
Mrps9	ENSMUSG00000060679	42.76314588	45.82748664	1.07165845	0.099845176
Nbr1	ENSMUSG00000017119	21.5936341	23.15083914	1.072114079	0.100458425
Sdha	ENSMUSG00000021577	257.2869529	275.8748109	1.07224563	0.100635436
Cpt1a	ENSMUSG00000024900	8.727005192	9.357709895	1.072270463	0.100668848
Mtif2	ENSMUSG00000020459	38.71537854	41.5270692	1.072624646	0.101145308
Uqcrc2	ENSMUSG00000030884	366.2015793	393.031368	1.073265082	0.102006446
Coa6	ENSMUSG00000051671	106.897655	114.7772054	1.073711161	0.102605947
Atad3a	ENSMUSG00000029036	100.5836763	108.0657948	1.074387005	0.103513761
Mrps18c	ENSMUSG00000016833	156.6987809	168.436127	1.074903876	0.104207652
Nt5dc2	ENSMUSG00000071547	1.524717099	1.639646164	1.075377304	0.104842929
Acot13	ENSMUSG00000006717	76.80691765	82.62141354	1.075702763	0.105279489
Comtd1	ENSMUSG00000021773	0.605491224	0.651774353	1.076438976	0.106266534
Oxld1	ENSMUSG00000039670	35.60296158	38.35806759	1.077384181	0.107532787
Coq10a	ENSMUSG00000039914	1.957077003	2.109989898	1.078133306	0.108535571
Oat	ENSMUSG00000030934	90.29122796	97.38850826	1.078604317	0.109165713
Slc25a14	ENSMUSG00000031105	28.27872162	30.50230079	1.078630823	0.109201166
Slc25a17	ENSMUSG00000022404	47.48415735	51.22657501	1.078814027	0.109446185
Akap10	ENSMUSG00000047804	8.380467179	9.041591708	1.078888744	0.1095461
Mterfla	ENSMUSG00000040429	5.389616092	5.814949037	1.078917113	0.109584036
Slc25a19	ENSMUSG00000020744	14.97553896	16.16005943	1.079097018	0.109824578
Chchd7	ENSMUSG00000042198	46.81642675	50.56131762	1.079990959	0.111019235
Uqcrc1	ENSMUSG00000025651	1007.514998	1088.594579	1.080474812	0.111665441
Phb	ENSMUSG00000038845	266.5317897	288.0698728	1.080808684	0.112111171
1700071K01	ENSMUSG00000038845	266.5317897	288.0698728	1.080808684	0.112111171
Atp5g3	ENSMUSG00000018770	1691.809939	1828.563333	1.080832599	0.112143093
Uqcc2	ENSMUSG00000024208	149.7252006	161.8896541	1.081245198	0.112693725
Mccc1	ENSMUSG00000027709	12.52007755	13.55051062	1.082302451	0.114103719
Cox7a1	ENSMUSG00000074218	37.04373805	40.09678135	1.082417258	0.114256746
Ckmt1	ENSMUSG00000000308	203.1719437	219.9817261	1.08273673	0.114682491
Timm10	ENSMUSG00000027076	262.8677695	284.6757757	1.082961887	0.114982471
Ndufb3	ENSMUSG00000026032	357.1045395	386.7579442	1.083038442	0.115084452
ATP6	ENSMUSG00000064357	111.3552088	120.6056755	1.083071702	0.115128756
Acox1	ENSMUSG00000020777	10.26576831	11.11965156	1.083177725	0.115269976

Cox6c	ENSMUSG00000014313	1226.149778	1328.15841	1.083194267	0.115292009
Ndufb10	ENSMUSG00000040048	411.3530579	445.6285114	1.083323687	0.115464371
Ndufa5	ENSMUSG00000023089	970.5152149	1051.970308	1.083929743	0.116271249
Glud1	ENSMUSG00000021794	148.0912662	160.5349569	1.084027175	0.116400923
Smim20	ENSMUSG000000061461	161.1664713	174.7100614	1.084034787	0.116411054
Cox16	ENSMUSG000000091803	9.955899836	10.79644489	1.084426829	0.116932712
Pdk2	ENSMUSG000000038967	10.09857954	10.95156331	1.084465719	0.116984448
Acp6	ENSMUSG000000028093	24.15260773	26.19997626	1.084768012	0.117386541
Uqcrh	ENSMUSG000000063882	805.8087399	874.3649508	1.085077522	0.117798118
Etfdh	ENSMUSG000000027809	26.749368	29.03596465	1.085482268	0.118336159
Mff	ENSMUSG000000026150	89.81557843	97.54538884	1.086063137	0.119107975
2010107E04	ENSMUSG000000021290	1527.901641	1661.417097	1.08738485	0.120862633
Ptges2	ENSMUSG000000026820	39.15522206	42.62233526	1.088547913	0.12240491
Opal	ENSMUSG000000038084	19.39054885	21.10852459	1.088598614	0.122472104
Nsun3	ENSMUSG000000050312	8.635259596	9.408320068	1.08952371	0.123697592
Sfxn1	ENSMUSG000000021474	15.01488681	16.36003473	1.089587617	0.123782212
Cox19	ENSMUSG000000045438	85.70244133	93.40367444	1.089860137	0.124143004
Ndufs4	ENSMUSG000000021764	146.2981593	159.4984025	1.090228361	0.124630356
Pink1	ENSMUSG000000028756	12.12493781	13.22169404	1.090454586	0.124929688
Coa5	ENSMUSG000000026112	34.3189267	37.43066322	1.090671149	0.125216177
Star	ENSMUSG000000031574	0.952179643	1.03858618	1.090746046	0.125315244
Pted3	ENSMUSG000000063884	93.73777012	102.2555524	1.090868198	0.125476802
Ndufa11	ENSMUSG000000002379	157.1902566	171.5430357	1.091308326	0.126058762
Mdh1	ENSMUSG000000020321	472.9769859	516.1841111	1.091351432	0.126115747
Ndufa6	ENSMUSG000000022450	662.1646653	722.7797571	1.091540813	0.126366074
Nrd1	ENSMUSG000000053510	36.6457523	40.02007363	1.092079467	0.127077784
Endog	ENSMUSG000000015337	10.84172044	11.84365537	1.092414755	0.127520705
Acad9	ENSMUSG000000027710	48.80509447	53.31709973	1.092449473	0.127566555
Rdh14	ENSMUSG000000020621	12.36596202	13.52109	1.093411898	0.128836979
Timm10b	ENSMUSG000000089847	3.795403195	4.150803263	1.093639608	0.129137399
Lipt2	ENSMUSG000000030725	7.134813044	7.804189025	1.093818293	0.129373095
Stard7	ENSMUSG000000027367	41.12862962	44.99180395	1.09392908	0.12951921
Qtrt1	ENSMUSG000000002825	62.10326106	67.96074082	1.094318393	0.130032552
Cycl	ENSMUSG000000022551	646.99791	708.8177678	1.095548775	0.131653716
Mrpl20	ENSMUSG000000029066	361.7670116	396.4498892	1.095870758	0.132077663
Gldc	ENSMUSG000000024827	30.89604807	33.88542677	1.096756022	0.133242627
Aldh11l	ENSMUSG000000030088	6.791855815	7.450599824	1.096990282	0.133550745
Timm8b	ENSMUSG000000039016	263.1655195	288.900726	1.097790951	0.134603353
ND2	ENSMUSG000000064345	2622.812139	2879.299558	1.097790999	0.134603416
Tmem186	ENSMUSG000000043140	5.714331307	6.27864088	1.098753387	0.135867613
Hint2	ENSMUSG000000028470	167.7991482	184.3819629	1.09882538	0.135962139
Mtch1	ENSMUSG000000024012	68.67944684	75.536628	1.099843279	0.137297963
Tdrkh	ENSMUSG000000041912	3.546115713	3.900617487	1.099969037	0.137462914

ND4	ENSMUSG00000064363	2378.145564	2616.802298	1.100354132	0.137967908
Ndufv1	ENSMUSG00000037916	242.3711899	266.7540795	1.100601435	0.138292115
Pycr2	ENSMUSG00000026520	36.05905075	39.71895086	1.101497406	0.139466097
Cyct	ENSMUSG00000056436	43.95777627	48.47032702	1.102656484	0.140983411
Gm561	ENSMUSG00000074754	50.41982265	55.60404827	1.102821179	0.141198879
Nif311	ENSMUSG00000026036	40.31632611	44.50271507	1.103838553	0.142529179
Usmg5	ENSMUSG00000071528	1255.828926	1387.393045	1.104762772	0.143736609
Cdc25c	ENSMUSG00000044201	12.2341578	13.52526219	1.105532756	0.144741772
Shmt1	ENSMUSG00000020534	89.47578354	98.98257906	1.106249928	0.145677361
Lyp1a11	ENSMUSG00000039246	4.714089444	5.217083592	1.106700171	0.146264417
Noa1	ENSMUSG00000036285	9.476843131	10.49113911	1.107028888	0.146692869
Nudt9	ENSMUSG00000029310	58.25375862	64.53210129	1.107775752	0.147665865
Tchp	ENSMUSG00000002486	3.053030112	3.382368554	1.107872648	0.14779205
Ankrd26	ENSMUSG00000007827	7.059431524	7.823095744	1.108176447	0.14818761
Slc25a5	ENSMUSG00000016319	1763.333261	1955.637795	1.109057396	0.14933403
Abca9	ENSMUSG00000041797	0.004373669	0.004851687	1.109294519	0.149642454
Polrmt	ENSMUSG00000020329	5.246197398	5.823454017	1.110033339	0.150603008
Tomm40	ENSMUSG00000002984	138.0130002	153.2607819	1.110480764	0.151184403
Cox5b	ENSMUSG00000061518	1387.637781	1542.822558	1.111833779	0.152941119
Mrp14	ENSMUSG00000003299	220.573486	245.4596763	1.11282494	0.154226658
Taco1	ENSMUSG00000001983	8.05542289	8.965722966	1.113004629	0.154459593
Lars2	ENSMUSG00000035202	5.822352533	6.490615405	1.114775405	0.156753078
Them4	ENSMUSG00000028145	13.71735503	15.30002675	1.115377324	0.157531846
Ndufb11	ENSMUSG00000031059	267.5070853	298.8491306	1.117163421	0.159840242
Dlat	ENSMUSG00000000168	70.91910538	79.44479704	1.120217135	0.163778401
Ndufa3	ENSMUSG00000035674	398.8474708	447.9037652	1.122995125	0.167351664
Ybey	ENSMUSG00000033126	1.961940095	2.203262518	1.123001932	0.16736041
Lace1	ENSMUSG00000038302	4.810831046	5.404548487	1.123412657	0.167887962
Mccc2	ENSMUSG00000021646	36.91047946	41.55135343	1.125733235	0.170864992
Abcb7	ENSMUSG00000031333	14.01872756	15.78163882	1.125754014	0.170891621
Bcl2l1	ENSMUSG00000007659	17.52740994	19.7718174	1.128051291	0.173832666
Nudt19	ENSMUSG00000034875	56.9928992	64.34858007	1.129063111	0.17512613
Rtn4ip1	ENSMUSG00000019864	9.371302067	10.58309341	1.129308748	0.175439967
Coq2	ENSMUSG00000029319	26.6879768	30.14610813	1.129576376	0.175781822
Top1mt	ENSMUSG00000000934	1.544240398	1.744944183	1.129969262	0.176283528
Afg3l2	ENSMUSG00000024527	15.32045086	17.31601692	1.130255048	0.176648361
Prodh	ENSMUSG00000003526	9.134892676	10.32731449	1.130534847	0.177005462
Msrp2	ENSMUSG00000023094	34.84861733	39.41641014	1.131075296	0.177694973
Mrps5	ENSMUSG00000027374	44.83136528	50.71393737	1.131215546	0.177873852
Fxn	ENSMUSG00000059363	19.48837934	22.05491505	1.131695697	0.178486083
Elac2	ENSMUSG00000020549	13.00561449	14.71953634	1.131783227	0.178597662
Slc25a53	ENSMUSG00000044348	1.793558415	2.031965043	1.132923816	0.180050849
Bph1	ENSMUSG00000038286	11.55883681	13.13006011	1.135932648	0.183877297

Ddah1	ENSMUSG00000028194	138.4063768	157.2880975	1.136422332	0.184499088
Ctul	ENSMUSG00000038888	3.522429362	4.006628894	1.137461815	0.185818114
1110058L19	ENSMUSG00000026154	109.0933998	124.1123977	1.137671005	0.186083415
Nln	ENSMUSG00000021710	10.54795086	12.00176383	1.137828948	0.18628369
Aars2	ENSMUSG00000023938	2.343752659	2.668507361	1.138561849	0.187212664
Aldh18a1	ENSMUSG00000025007	9.876889239	11.25043686	1.139066824	0.187852386
Wars2	ENSMUSG00000004233	4.824573338	5.500992288	1.140202854	0.189290518
Rpia	ENSMUSG00000053604	8.65370557	9.870606025	1.140621893	0.189820628
Sirt3	ENSMUSG00000025486	8.270156873	9.448824133	1.142520544	0.192220108
Metap1d	ENSMUSG00000041921	10.22817977	11.69088689	1.143007569	0.192834957
Gfml	ENSMUSG00000027774	49.96522653	57.14232551	1.143641878	0.193635355
Prss35	ENSMUSG00000033491	0.589353129	0.674272018	1.144088298	0.1941984
Hagh	ENSMUSG00000024158	14.71493834	16.83530937	1.144096494	0.194208736
Got2	ENSMUSG00000031672	22.48863816	25.7319438	1.144219744	0.194364144
Aldh5a1	ENSMUSG00000035936	0.231588715	0.265235806	1.145288126	0.195710591
Ptpn4	ENSMUSG00000026384	6.822024882	7.814144876	1.145428962	0.195887987
Cisd3	ENSMUSG00000078695	14.20541245	16.28025216	1.146059801	0.196682325
Alkbh1	ENSMUSG00000079036	20.81756515	23.89201214	1.147685234	0.198727021
Lonp1	ENSMUSG00000041168	22.01136094	25.28836557	1.148877874	0.200225448
Acox3	ENSMUSG00000029098	2.328052993	2.677460007	1.150085507	0.201741128
Timm17b	ENSMUSG00000031158	132.9644519	152.9785908	1.150522478	0.20228917
Pdk4	ENSMUSG00000019577	0.317871057	0.365782171	1.150724995	0.202543093
Tubb3	ENSMUSG00000062380	0.514102725	0.591690496	1.150918807	0.202786061
Mut	ENSMUSG00000023921	7.766742221	8.951110771	1.152492321	0.204757138
Acss1	ENSMUSG00000027452	12.56067342	14.48680634	1.15334631	0.20582577
Fars2	ENSMUSG00000021420	12.05782315	13.91320678	1.153873847	0.206485503
Ppmlk	ENSMUSG00000037826	5.51462001	6.37039353	1.155182681	0.208121019
Ange12	ENSMUSG00000026634	8.557704528	9.905038172	1.15744101	0.210938667
Cbr3	ENSMUSG00000022947	2.058317573	2.382604356	1.157549441	0.211073815
Timm21	ENSMUSG00000024645	20.84674237	24.17071948	1.159448275	0.21343846
Fastkd5	ENSMUSG00000079043	4.505982229	5.232700012	1.16127844	0.215713929
Tst	ENSMUSG00000044986	2.194108217	2.548913841	1.161708352	0.216247924
Hebp1	ENSMUSG00000042770	20.05843697	23.33050197	1.163126619	0.218008158
Prdx2	ENSMUSG00000005161	180.8924076	210.7331469	1.164964023	0.220285401
Aifm2	ENSMUSG00000020085	5.87872421	6.854380764	1.165963995	0.221523238
Nlrx1	ENSMUSG00000032109	3.297337685	3.855637618	1.169318398	0.225667819
Slc25a48	ENSMUSG00000021509	0.408298036	0.477500763	1.169490718	0.225880411
Pick1	ENSMUSG00000068206	12.37400639	14.482519	1.170398539	0.226999874
Acacb	ENSMUSG00000042010	1.276715383	1.500178106	1.175029396	0.23269685
Mcee	ENSMUSG00000033429	79.92213031	94.43801874	1.181625394	0.240772736
Lactb	ENSMUSG00000032370	20.78658447	24.60449847	1.183672022	0.243269387
Vars2	ENSMUSG00000038838	3.209605859	3.802626367	1.184764278	0.244600047
Rdh13	ENSMUSG00000008435	10.73120944	12.72860678	1.18612975	0.246261835

Opa3	ENSMUSG00000052214	18. 1286979	21. 54038711	1. 188192733	0. 24876887
Amt	ENSMUSG00000032607	7. 013701954	8. 334108359	1. 18826098	0. 248851733
Akr1b10	ENSMUSG00000061758	0. 597489227	0. 710703608	1. 189483551	0. 250335321
C330018D2C	ENSMUSG00000024592	17. 20095694	20. 47009303	1. 190055478	0. 251028831
Mett117	ENSMUSG00000004561	35. 26458594	42. 14156376	1. 195010877	0. 257023749
Cpox	ENSMUSG00000022742	8. 841340688	10. 57843873	1. 196474506	0. 258789656
Aldh4a1	ENSMUSG00000028737	3. 088378519	3. 69936148	1. 197832927	0. 260426696
Cecr5	ENSMUSG00000058979	8. 157072076	9. 790557551	1. 200253898	0. 263339621
L2hgdh	ENSMUSG00000020988	15. 96771917	19. 18670093	1. 201593085	0. 264948415
Rab32	ENSMUSG00000019832	0. 566594239	0. 680958883	1. 201845758	0. 265251756
Letm2	ENSMUSG00000037363	0. 914226689	1. 100247938	1. 203473876	0. 267204826
Cox7b	ENSMUSG00000031231	1789. 40592	2153. 769379	1. 203622586	0. 267383084
Rhot2	ENSMUSG00000025733	8. 328860621	10. 02799727	1. 204005893	0. 267842453
Top3a	ENSMUSG00000002814	4. 29052817	5. 178183889	1. 206887284	0. 271290943
Abat	ENSMUSG00000057880	2. 045417995	2. 47653557	1. 210772359	0. 275927644
Slc25a29	ENSMUSG00000021265	0. 509030124	0. 616861625	1. 211837169	0. 277195861
Trmu	ENSMUSG00000022386	5. 020976453	6. 08755194	1. 212423917	0. 277894217
Apool	ENSMUSG00000025525	55. 98608975	67. 9243399	1. 213236006	0. 278860219
Selo	ENSMUSG00000035757	1. 00309413	1. 217925024	1. 214168231	0. 27996833
2300009A05	ENSMUSG00000032403	1. 895172882	2. 302589391	1. 214975907	0. 280927705
ND3	ENSMUSG00000064360	21. 58068532	26. 26017622	1. 216836992	0. 283135917
Abhd10	ENSMUSG00000033157	8. 290621239	10. 09584064	1. 217742356	0. 284208927
Ndufaf2	ENSMUSG00000068184	53. 03236048	64. 61020726	1. 218316641	0. 284889138
Zadh2	ENSMUSG00000049090	0. 824204712	1. 005312601	1. 219736537	0. 286569559
Ppox	ENSMUSG00000062729	2. 881583232	3. 515244548	1. 219900404	0. 286763367
Rab35	ENSMUSG00000029518	15. 42263847	18. 81668682	1. 220069241	0. 286963026
Tmem177	ENSMUSG00000036975	4. 87881599	5. 978093145	1. 225316379	0. 293154304
Slc25a21	ENSMUSG00000035472	1. 581836213	1. 941192506	1. 227176676	0. 295342968
Gls2	ENSMUSG00000044005	5. 665122207	6. 956460709	1. 227945392	0. 296246404
Sccpdh	ENSMUSG00000038936	28. 68891097	35. 41640073	1. 234497914	0. 303924398
Mars2	ENSMUSG00000046994	1. 538053852	1. 901639023	1. 236393005	0. 306137397
Abcd1	ENSMUSG00000031378	3. 34528266	4. 144633702	1. 23894873	0. 309116487
Aifm1	ENSMUSG00000036932	41. 50146112	51. 56005233	1. 242367159	0. 313091598
Synj2bp	ENSMUSG00000090935	12. 39760237	15. 46904769	1. 247745107	0. 319323247
Pdp2	ENSMUSG00000048371	9. 389270769	11. 7314159	1. 249449099	0. 321292128
Mtrf1	ENSMUSG00000022022	7. 642515966	9. 572588259	1. 252544097	0. 324861396
Ehhadh	ENSMUSG00000022853	0. 735764831	0. 924544393	1. 256575951	0. 329497875
Hsd11	ENSMUSG00000034189	16. 1830858	20. 34795515	1. 257359406	0. 330397091
Ak3	ENSMUSG00000024782	7. 98387065	10. 0764989	1. 262106984	0. 335834207
Mavs	ENSMUSG00000037523	5. 458236439	6. 906843223	1. 265398321	0. 339591586
Acot2	ENSMUSG00000021226	3. 480439458	4. 419215634	1. 269729207	0. 344520849
Idh3g	ENSMUSG00000002010	452. 6255936	575. 4988778	1. 271467822	0. 346494951
Car5a	ENSMUSG00000025317	0. 377455837	0. 480558765	1. 273152296	0. 348405006

Pdpr	ENSMUSG00000033624	1. 349702539	1. 724641519	1. 277793788	0. 353655031
Mocs1	ENSMUSG00000064120	0. 255142486	0. 327289671	1. 282772132	0. 359264917
Rab11fip5	ENSMUSG00000051343	4. 372252849	5. 669527216	1. 296706163	0. 374851599
Hkl	ENSMUSG00000037012	3. 040904223	3. 94559185	1. 297506123	0. 375741347
Ucp2	ENSMUSG00000033685	19. 7337855	25. 63643947	1. 299114125	0. 377528174
Acad11	ENSMUSG00000090150	4. 173698337	5. 423375391	1. 299417196	0. 377864703
Sirt5	ENSMUSG00000054021	1. 68740144	2. 197910847	1. 302541763	0. 38132963
Ppmlm	ENSMUSG00000020253	8. 900262437	11. 62109418	1. 305702418	0. 38482613
Ung	ENSMUSG00000029591	13. 80355053	18. 03842225	1. 306795829	0. 386033755
Sfxn2	ENSMUSG00000025036	1. 691546958	2. 224038014	1. 314795314	0. 39483822
Bloc1s1	ENSMUSG00000090247	0. 55790176	0. 733596173	1. 314919984	0. 394975011
Dexr	ENSMUSG00000039450	72. 39314336	95. 28315803	1. 316190368	0. 39636817
ND6	ENSMUSG00000064368	1341. 249198	1771. 11239	1. 32049465	0. 401078457
Ldhd	ENSMUSG00000031958	0. 163194896	0. 215655773	1. 321461505	0. 402134399
Tmem14c	ENSMUSG00000021361	114. 5976015	151. 534827	1. 322321105	0. 403072555
Timm8a2	ENSMUSG00000071229	13. 31014215	17. 67292745	1. 327779017	0. 409015058
Cycs	ENSMUSG00000058927	3. 756969607	4. 995697167	1. 329714554	0. 41111658
Immp21	ENSMUSG00000056899	6. 350270082	8. 466253849	1. 333211618	0. 414905794
Cox6b2	ENSMUSG00000051811	34. 90616411	46. 55203113	1. 333633538	0. 41536229
Fastkd1	ENSMUSG00000027086	5. 048558831	6. 789934838	1. 344925367	0. 427526116
Mpst	ENSMUSG00000071711	0. 128235903	0. 173996526	1. 356847202	0. 440258265
Cyb5r2	ENSMUSG00000048065	0. 524851148	0. 712923025	1. 358333743	0. 441837993
Ndufa1	ENSMUSG00000016427	593. 2478922	807. 6605034	1. 361421615	0. 44511392
Bid	ENSMUSG00000004446	3. 808246825	5. 197871092	1. 364898687	0. 448793868
Dmpk	ENSMUSG00000030409	0. 456793454	0. 626349842	1. 371188306	0. 455426711
Fahd1	ENSMUSG00000045316	2. 100511177	2. 899071553	1. 380174304	0. 464850479
Mtcp1	ENSMUSG00000031200	1. 581540472	2. 189336427	1. 384306293	0. 469163191
Cyp11a1	ENSMUSG00000032323	0. 165451617	0. 230941474	1. 395824826	0. 481117897
Tmlhe	ENSMUSG00000079834	3. 948025525	5. 568880378	1. 41054822	0. 496255986
Bcl2l2	ENSMUSG00000089682	1. 586121007	2. 327648832	1. 467510248	0. 553370578
Timm8a1	ENSMUSG00000045455	0. 869750495	1. 294918705	1. 488839285	0. 574188029
Cbr2	ENSMUSG00000025150	3. 957738029	5. 937574616	1. 500244476	0. 585197618
Me3	ENSMUSG00000030621	0. 071413329	0. 107359127	1. 503348584	0. 588179568
Pcx	ENSMUSG00000024892	0. 450397337	0. 684036805	1. 518740786	0. 602875656
Lyrn7	ENSMUSG00000020268	12. 93389462	19. 71491045	1. 524282595	0. 608130396
Sds1	ENSMUSG00000029596	1. 090069148	1. 675371458	1. 536940533	0. 620061346
2410018M08	ENSMUSG00000034173	0. 66798444	1. 04179581	1. 559610894	0. 641186137
Slc25a45	ENSMUSG00000024818	0. 266184807	0. 422597316	1. 5876087	0. 666855373
Adck2	ENSMUSG00000046947	1. 148457872	1. 869669657	1. 627982796	0. 703085454
Chdh	ENSMUSG00000015970	0. 827061085	1. 348603503	1. 630597217	0. 705400457
Aass	ENSMUSG00000029695	0. 314590116	0. 53409319	1. 697743069	0. 763618143
Fhit	ENSMUSG00000060579	0. 719167834	1. 25781259	1. 748983382	0. 806516582
Obscn	ENSMUSG00000061462	0. 013174991	0. 023158392	1. 757753998	0. 813733176

Sfxn3	ENSMUSG00000025212	0.118747927	0.209964859	1.76815599	0.822245558
Bak1	ENSMUSG00000057789	0.182656724	0.327033864	1.790428825	0.840305169
Cox6a2	ENSMUSG00000030785	0.943306142	1.729048553	1.832966496	0.874180416
Car5b	ENSMUSG00000031373	0.133443815	0.253093751	1.896631556	0.923439445
Pdk1	ENSMUSG00000006494	1.163763556	2.212076233	1.900795244	0.926603131
Slc25a2	ENSMUSG00000050304	0.02587048	0.050636077	1.957291778	0.968858838
Asah2	ENSMUSG00000024887	0.03092802	0.060787998	1.965466846	0.974872028
Cmpk2	ENSMUSG00000020638	0.072859547	0.144296108	1.980469465	0.985842458
Sardh	ENSMUSG00000009614	0.012337779	0.025968061	2.104759812	1.073655607
Stom	ENSMUSG00000026880	0.355995818	0.757096894	2.126701652	1.088617656
Ifi27	ENSMUSG00000064215	0.442142626	0.956838941	2.164095667	1.113764277
Hao2	ENSMUSG00000027870	0.026717389	0.059435127	2.2245859	1.153536808
Otc	ENSMUSG00000031173	0.017114142	0.038409272	2.244300158	1.166265638
Thal	ENSMUSG00000017713	0.011518023	0.027711142	2.405893864	1.266572999
Prdx6b	ENSMUSG00000050114	0.006699218	0.018021003	2.690015919	1.42761471
Gm4952	ENSMUSG00000071633	0.01291065	0.057883091	4.483359865	2.164580305
Gdap1	ENSMUSG00000025777	0.020185815	0.100533987	4.980427447	2.316269567
Cox4i2	ENSMUSG00000009876	0.022040333	0.120568147	5.470341315	2.451630851
Arg2	ENSMUSG00000021125	0.022534234	0.174691661	7.752278475	2.954620396
Slc25a27	ENSMUSG00000023912	0.005643145	0.064496455	11.42916887	3.51464859
Mrp153	ENSMUSG00000030037	0	0	#DIV/0!	#DIV/0!
Mrp133	ENSMUSG00000029142			#DIV/0!	#DIV/0!
Cox8b	ENSMUSG00000025488	0	0	#DIV/0!	#DIV/0!
Pdha2	ENSMUSG00000047674	0.020522249	0	0	#NUM!
Acsml	ENSMUSG00000033533	0	0	#DIV/0!	#DIV/0!
C030006K11	ENSMUSG00000079002			#DIV/0!	#DIV/0!
Ckmt2	ENSMUSG00000021622	0	0	#DIV/0!	#DIV/0!
H2-Ke6	ENSMUSG00000073422	0	0	#DIV/0!	#DIV/0!
Nags	ENSMUSG00000048217	0	0.057920104	#DIV/0!	#DIV/0!
Mpv17	ENSMUSG00000090262			#DIV/0!	#DIV/0!
Acsml5	ENSMUSG00000030972	0	0	#DIV/0!	#DIV/0!
Csl	ENSMUSG00000046934	0	0	#DIV/0!	#DIV/0!
Agxt2	ENSMUSG00000089678	0	0	#DIV/0!	#DIV/0!
Aadat	ENSMUSG00000057228	0.013775655	0	0	#NUM!
Gm4984				#DIV/0!	#DIV/0!
Nnt				#DIV/0!	#DIV/0!
Sco2	ENSMUSG00000091780	0	0	#DIV/0!	#DIV/0!
Abcd2	ENSMUSG00000055782	0	0	#DIV/0!	#DIV/0!
Sqrd1	ENSMUSG00000005803	0	0	#DIV/0!	#DIV/0!
Agxt	ENSMUSG00000026272	0	0	#DIV/0!	#DIV/0!
Abcb6	ENSMUSG00000026198	0.022770173	0	0	#NUM!
Oxct2a	ENSMUSG00000076436	0.035514288	0	0	#NUM!
493340502C	ENSMUSG00000084234	0	0	#DIV/0!	#DIV/0!

Ucp3	ENSMUSG00000032942	0	0	#DIV/0!	#DIV/0!
Cpt1b	ENSMUSG00000078937	0.016434731	0	0	#NUM!
Gyk11	ENSMUSG00000053624	0	0	#DIV/0!	#DIV/0!
Nudt8	ENSMUSG00000024869	0.018143794	0	0	#NUM!
Akr1b7	ENSMUSG00000052131	0	0	#DIV/0!	#DIV/0!
Ccdc109b	ENSMUSG00000027994	0	0.062892649	#DIV/0!	#DIV/0!
Spata19	ENSMUSG00000031991	0	0	#DIV/0!	#DIV/0!
Ldha16b				#DIV/0!	#DIV/0!
Aldh1a7	ENSMUSG00000024747	0	0	#DIV/0!	#DIV/0!
Mgst1	ENSMUSG00000008540	0	0.117505299	#DIV/0!	#DIV/0!
Cox20	ENSMUSG00000026500	0	0	#DIV/0!	#DIV/0!
Hsd3b1	ENSMUSG00000027871	0	0.008291387	#DIV/0!	#DIV/0!
0610012H03	ENSMUSG00000055312	0.103354243	0	0	#NUM!
Ptpmt1				#DIV/0!	#DIV/0!
Tstd1	ENSMUSG00000091166			#DIV/0!	#DIV/0!
Hspb7	ENSMUSG00000006221	0	0	#DIV/0!	#DIV/0!
Aesm2	ENSMUSG00000030945	0	0	#DIV/0!	#DIV/0!
Glyat	ENSMUSG00000063683	0	0.038330641	#DIV/0!	#DIV/0!
Acss3	ENSMUSG00000035948	0	0.021688105	#DIV/0!	#DIV/0!
Kmo	ENSMUSG00000039783	0.029389783	0	0	#NUM!
Slc25a54	ENSMUSG00000027880	0	0	#DIV/0!	#DIV/0!
Fabp1	ENSMUSG00000054422	0	0.026373507	#DIV/0!	#DIV/0!
Pklr	ENSMUSG00000041237	0	0	#DIV/0!	#DIV/0!
Nipsnap3a	ENSMUSG00000015242	0	0	#DIV/0!	#DIV/0!
Krt5	ENSMUSG00000061527	0	0	#DIV/0!	#DIV/0!
Maob	ENSMUSG00000040147	0.041743506	0	0	#NUM!
Ftmt	ENSMUSG00000024510	0	0	#DIV/0!	#DIV/0!
Cyp11b2	ENSMUSG00000022589	0	0	#DIV/0!	#DIV/0!
Cyp11b1	ENSMUSG00000075604	0	0	#DIV/0!	#DIV/0!
Pet117	ENSMUSG00000098387	0	0	#DIV/0!	#DIV/0!
ND4L	ENSMUSG00000065947	0.05417321	0	0	#NUM!
Nme3	ENSMUSG00000073435	0	0	#DIV/0!	#DIV/0!
Neu4	ENSMUSG00000034000	0	0	#DIV/0!	#DIV/0!
Acot10	ENSMUSG00000047565	0	0	#DIV/0!	#DIV/0!
Cyp24a1	ENSMUSG00000038567	0	0	#DIV/0!	#DIV/0!
Agr2	ENSMUSG00000020581	0	0	#DIV/0!	#DIV/0!
Fkbp10	ENSMUSG00000001555	0.024810244	0	0	#NUM!
Gimap3	ENSMUSG00000039264	0	0	#DIV/0!	#DIV/0!
Pabpc5	ENSMUSG00000034732	0	0	#DIV/0!	#DIV/0!
Atp10d				#DIV/0!	#DIV/0!
Spata20	ENSMUSG00000020867	0	0.031409654	#DIV/0!	#DIV/0!
8430408G22	ENSMUSG00000048489	0	0	#DIV/0!	#DIV/0!