

Supplemental Table S3: 21dpf trunk RNA-seq data, genes differentially expressed between *nr5a1a* mutants and wildtypes.

EnsemblID	baseMean	log2FoldChange	fold up in 1a vs wt	old down in 1a vs w	lfscE	stat	pvalue	padj	EnsemblGeneName	ZFIN_ID	ZFIN_Name
ENSXDARG00000105499	8.933914054	16.52802421	94499.83609	1.0582E-05	2.561066572	6.453570707	1.09245E-10	2.61025E-08	zgc:175135	ZDB-GENE-080214-1	zgc:175135
ENSXDARG00000087392	15.91016015	16.44166162	89008.87816	1.12348E-05	2.294750549	7.164901488	7.78425E-13	2.75413E-10	si:ch73-160p18.3	ZDB-GENE-141212-268	si:ch73-160p18.3
ENSXDARG00000093704	4.751079804	16.29906075	80631.76863	1.24021E-05	3.214095197	5.071119475	3.95482E-07	4.04227E-05	si:dkeyp-46h3.8	ZDB-GENE-060503-183	si:dkeyp-46h3.8
ENSXDARG00000078638	15.44667221	16.29439035	80371.16374	1.24423E-05	4.927610584	3.306752852	0.000943841	0.026797518	zgc:171750	ZDB-GENE-071004-30	zgc:171750
ENSXDARG00000093255	17.430777	15.68307888	52611.07393	1.90074E-05	3.699174639	4.239615701	2.23903E-05	0.00133841	si:dkeyp-229d11.3	ZDB-GENE-091117-40	si:dkeyp-229d11.3
ENSXDARG00000092885	21.33582157	15.57596417	48846.3849	2.04723E-05	4.267200803	3.650159646	0.000262077	0.009982815	zgc:171977	ZDB-GENE-070822-24	zgc:171977
ENSXDARG00000055751	32.85865787	4.534153918	23.16948253	0.043160222	0.380829554	11.90599277	1.10145E-32	6.7548E-29	fosb	ZDB-GENE-041114-181	fosb
ENSXDARG00000007739	12.86704182	3.041019961	8.230727542	0.121495942	0.926673414	3.281652321	0.001032008	0.028594695	atp1a1a.2	ZDB-GENE-001212-2	atp1a1a.2
ENSXDARG00000069381	26.06185693	3.011383029	8.063370586	0.124017616	0.419088852	7.185547926	6.69382E-13	2.41476E-10	si:ch211-125e6.5	ZDB-GENE-070912-39	si:ch211-125e6.5
ENSXDARG00000100185	5.440194487	2.81104427	7.017923737	0.142492287	0.573882252	4.898294482	9.66721E-07	8.59214E-05	elovl7b	ZDB-GENE-030131-5485	elovl7b
ENSXDARG00000068006	27.10367114	2.801496416	6.971631987	0.143438438	0.57722283	4.85340543	1.21359E-06	0.000104335	gck	ZDB-GENE-060825-204	gck
ENSXDARG00000079922	44.59147374	2.482769164	5.589693445	0.178900687	0.27403413	10.03530683	1.06627E-23	3.26955E-20	klf4	ZDB-GENE-111014-1	klf4
ENSXDARG00000020133	13.03596081	2.435588785	5.409850723	0.184847984	0.354809453	6.864498023	6.67255E-12	1.88864E-09	jdp2b	ZDB-GENE-040718-197	jdp2b
ENSXDARG00000071083	3.650048449	2.384373546	5.221171492	0.191527898	0.729537912	3.268333979	0.001081826	0.029618213	si:dkeyp-34c12.1	ZDB-GENE-030131-5347	si:dkeyp-34c12.1
ENSXDARG00000031664	10.58565664	2.381721248	5.211581539	0.191880333	0.399603989	5.96020388	2.51923E-09	4.87883E-07	sox21a	ZDB-GENE-990715-6	sox21a
ENSXDARG0000002509	13.12731894	2.31807323	4.986657889	0.200535112	0.357511847	6.48390606	8.93779E-11	2.1925E-08	zgc:153911	ZDB-GENE-061013-174	zgc:153911
ENSXDARG00000010770	6.690305925	2.059764275	4.169181776	0.239855217	0.400570555	5.142076099	2.71719E-07	2.92344E-05	sox19a	ZDB-GENE-980526-102	sox19a
ENSXDARG00000076221	79.64234857	2.018141593	4.050616757	0.246875985	0.465443462	4.335954327	1.45129E-05	0.000927113	fthl28	ZDB-GENE-030131-7540	fthl28
ENSXDARG00000076839	3.928551988	1.978322427	3.940346299	0.253784801	0.557882674	3.546126305	0.000390939	0.013805166	ftr86	ZDB-GENE-060929-108	ftr86
ENSXDARG00000079304	11.27070965	1.864234186	3.64076234	0.274668965	0.232190921	5.768213349	8.01163E-09	1.35295E-06	si:dkeyp-221j11.3	ZDB-GENE-090313-247	si:dkeyp-221j11.3
ENSXDARG00000052900	8.037847019	1.858635899	3.626645923	0.275736871	0.641945675	2.895316491	0.003787764	0.073197506	zgc:153642	ZDB-GENE-061013-527	zgc:153642
ENSXDARG00000030896	11.21473158	1.85722111	3.623091172	0.276007407	0.310723442	5.977087211	2.27163E-09	4.4461E-07	foxq1a	ZDB-GENE-070424-74	foxq1a
ENSXDARG00000079393	60.73461521	1.825699776	3.544789052	0.282104234	0.498662402	3.661193961	0.000251043	0.009744055	tmprss15	ZDB-GENE-091204-83	tmprss15
ENSXDARG00000056210	5.159211051	1.730392734	3.318181344	0.301369906	0.444475556	3.893111113	0.9968E-05	0.004668695	si:ch211-199o1.2	ZDB-GENE-060503-867	si:ch211-199o1.2
ENSXDARG00000055395	30.12858386	1.692126416	3.231326243	0.309470454	0.223848488	7.559248822	4.05404E-14	2.07184E-11	foxq1b	ZDB-GENE-040426-2090	foxq1b
ENSXDARG00000031683	29.4249761	1.691912898	3.230848045	0.309516259	0.292141033	5.791425057	6.97917E-09	1.18891E-06	fosab	ZDB-GENE-031222-4	fosab
ENSXDARG00000010276	18.46761454	1.678255617	3.200407512	0.312460209	0.283306238	5.92382161	3.14545E-09	5.84545E-07	ptgs2b	ZDB-GENE-041014-323	ptgs2b
ENSXDARG00000070013	3.412912438	1.596057715	3.023160795	0.330799627	0.53284654	2.995342177	0.002741371	0.015817272	dmrt2b	ZDB-GENE-080813-1	dmrt2b
ENSXDARG00000091669	28.49608733	1.595318755	3.021612706	0.330949098	0.253876141	6.283846715	3.30296E-10	7.59599E-08	bicdl2l	ZDB-GENE-091204-161	bicdl2l
ENSXDARG00000092404	248.1976766	1.579568304	2.988804027	0.33458199	0.310342703	5.089754926	3.58527E-07	3.72665E-05	si:dkeyp-79p17.3	ZDB-GENE-081105-132	si:dkeyp-79p17.3
ENSXDARG00000069467	7.751838256	1.539891698	2.907726747	0.343911271	0.308882087	4.985370669	6.18431E-07	5.83677E-05	igsf9bb	ZDB-GENE-091112-15	igsf9bb
ENSXDARG00000042815	13.17804033	1.507213539	2.84260428	0.35179002	0.28461277	5.295663776	1.18585E-07	1.42596E-05	alkal2b	ZDB-GENE-111115-2	alkal2b
ENSXDARG00000015355	31.63307981	1.501066145	2.830518092	0.352922213	0.346097078	4.337124582	1.44359E-05	0.000925405	fosl1a	ZDB-GENE-061207-7	fosl1a
ENSXDARG00000088505	3.591373978	1.500502363	2.829412187	0.353430301	0.510126961	2.941429248	0.003267015	0.06620527	fam217b	ZDB-GENE-090313-236	fam217b
ENSXDARG00000116445	7.453189215	1.499012714	2.826492196	0.353795422	0.363376007	4.125238558	3.70351E-05	0.002015228	CABZ01046954.1		
ENSXDARG00000055854	29.24643184	1.482902063	2.795104192	0.357768416	0.251700117	5.891543011	3.82606E-09	6.76845E-07	nr4a3	ZDB-GENE-070824-4	nr4a3
ENSXDARG00000044685	191.0641097	1.468029993	2.766438771	0.361475559	0.321585016	4.564982566	4.99536E-06	0.000372083	nr0b2a	ZDB-GENE-080403-1	nr0b2a
ENSXDARG00000115257	18.9305605	1.438395912	2.710193599	0.368977331	0.373443073	3.851713997	0.000117294	0.005368095	si:ch73-338o16.4	ZDB-GENE-131119-14	si:ch73-338o16.4
ENSXDARG00000097700	4.512459811	1.421172692	2.678031057	0.373408664	0.45097833	3.151310378	0.001625397	0.040405856	si:dkeyp-23k10.2	ZDB-GENE-131122-52	si:dkeyp-23k10.2
ENSXDARG00000098377	19.36649603	1.41888263	2.673783457	0.374001865	0.251711007	5.636951072	1.73087E-08	2.63178E-06	tnfrsf11b	ZDB-GENE-081104-76	tnfrsf11b
ENSXDARG00000103642	2103.626207	1.384123621	2.610133542	0.38312216	0.395966359	3.49555862	0.00473071	0.016237969	pglyrp6	ZDB-GENE-071227-2	pglyrp6
ENSXDARG00000097231	21.56675638	1.367065736	2.57945403	0.387678938	0.278216351	4.913678617	8.93832E-07	7.98288E-05	ugt1b2	ZDB-GENE-080227-11	ugt1b2
ENSXDARG00000094265	21.24000331	1.363860824	2.573730197	0.388541115	0.277285016	4.918624322	8.71546E-07	7.8218E-05	si:dkeyp-183n20.15	ZDB-GENE-041001-160	si:dkeyp-183n20.15
ENSXDARG00000078878	14.27373158	1.359835966	2.566559961	0.389626588	0.431563496	3.150952241	0.001627391	0.040405856	si:ch73-244f7.3	ZDB-GENE-121214-178	si:ch73-244f7.3
ENSXDARG00000040427	66.61956517	1.304317277	2.469668283	0.404912679	0.354943094	3.67472224	0.00238108	0.009360506	acot19	ZDB-GENE-041114-124	acot19
ENSXDARG00000037941	6.545309914	1.285940811	2.438410146	0.41010328	0.385156356	3.338750067	0.000841562	0.024693885	syt5a	ZDB-GENE-040718-110	syt5a
ENSXDARG00000100052	5.236576408	1.284766846	2.436426744	0.41043713	0.410746252	3.127884527	0.001760693	0.042735141	cckb	ZDB-GENE-060720-30	cckb
ENSXDARG00000019307	12.1831535	1.284042777	2.435204243	0.410643174	0.30403951	4.223276032	2.40777E-05	0.00141981	dup5	ZDB-GENE-010625-1	dup5
ENSXDARG00000089697	36.44813167	1.283804765	2.434802522	0.410710927	0.240916631	5.328834123	9.88452E-08	1.21237E-05	nfe2l2b	ZDB-GENE-120320-3	nfe2l2b
ENSXDARG00000070353	9.859538054	1.257376936	2.390606928	0.418303816	0.297234925	4.230246281	2.33436E-05	0.001385403	hoxc13a	ZDB-GENE-000822-4	hoxc13a
ENSXDARG00000105863	12.23693512	1.246272348	2.372276789	0.421535971	0.339397047	3.672018829	0.000240642	0.009432752	FO904970.1		
ENSXDARG00000096739	414.1552786	1.245374784	2.370801349	0.421798309	0.165104116	7.542966318	4.594E-14	2.28433E-11	si:dkeyp-219e21.2	ZDB-GENE-141215-26	si:dkeyp-219e21.2

ENS DARG00000051711	13.36204825	1.24348891	2.367704291	0.422350039	0.300128844	4.143183618	3.42517E-05	0.001881148	CR339041.2		
ENS DARG00000095005	11.38085897	1.236975388	2.357038604	0.424261189	0.421357912	2.93568805	0.003328088	0.067064805	si:dkey-21e2.10	ZDB-GENE-050208-778	si:dkey-21e2.10
ENS DARG00000052923	30.12429813	1.229295924	2.344525425	0.426525552	0.215328407	5.708935206	1.13685E-08	1.83472E-06	zgc:113162	ZDB-GENE-050522-530	zgc:113162
ENS DARG00000030110	47.98595101	1.22242505	2.333386105	0.428561736	0.168904113	7.237390674	4.57399E-13	1.68305E-10	myod1	ZDB-GENE-980526-561	myod1
ENS DARG00000096975	13.33251	1.221959693	2.332633567	0.428699996	0.441009369	2.770824792	0.00559145	0.097508536	si:dkeyp-93a5.3	ZDB-GENE-131127-100	si:dkeyp-93a5.3
ENS DARG00000099002	20.51600954	1.21901894	2.327883629	0.429574738	0.245892061	4.957536804	7.13925E-07	6.53472E-05	creb5a	ZDB-GENE-120827-2	creb5a
ENS DARG00000089983	9.698777427	1.214844218	2.321157176	0.430819597	0.36477423	3.330400339	0.000867212	0.025165563	si:ch73-109i22.2	ZDB-GENE-141211-57	si:ch73-109i22.2
ENS DARG00000019566	14.51538186	1.186779608	2.276440273	0.439282336	0.340480638	3.485600872	0.000491033	0.016545826	neurod1	ZDB-GENE-990415-172	neurod1
ENS DARG00000076773	126.57819	1.185890151	2.275037225	0.439553247	0.232722744	5.095720914	3.47417E-07	3.63169E-05	lrrc58a	ZDB-GENE-090312-76	lrrc58a
ENS DARG00000052011	7.345651252	1.183074002	2.27060067	0.440412096	0.388599102	3.044458916	0.002330993	0.051298568	rpad	ZDB-GENE-030131-5607	rpad
ENS DARG00000088082	16.98874144	1.177913574	2.262493385	0.441990242	0.277257364	4.248448286	2.15256E-05	0.001294211	si:ch211-214c20.1	ZDB-GENE-081103-49	si:ch211-214c20.1
ENS DARG00000089156	15.70968608	1.176551793	2.260358791	0.442407641	0.25358884	4.639603977	3.49077E-06	0.000269846	egr3	ZDB-GENE-040718-394	egr3
ENS DARG00000093957	13.40271049	1.176235625	2.259863486	0.442504605	0.362169089	3.247752664	0.001163203	0.031196233	si:dkey-25i110.2	ZDB-GENE-050506-102	si:dkey-25i110.2
ENS DARG00000043850	11.33274158	1.172507056	2.25403053	0.443649714	0.369631293	2.958177494	0.003094639	0.063402187	ftf54	ZDB-GENE-070620-19	ftf54
ENS DARG00000101055	10.18017549	1.171380057	2.252270422	0.443996418	0.40099056	2.921216041	0.00348668	0.069274223	trim35-25	ZDB-GENE-060503-484	trim35-25
ENS DARG00000089622	4.50161354	1.165210109	2.242658745	0.445899316	0.399301753	2.918119191	0.003521497	0.069740048	fgd5b	ZDB-GENE-130925-3	fgd5b
ENS DARG00000055331	13.85670354	1.153082321	2.223885208	0.449663497	0.389690441	2.958969996	0.003086692	0.063309867	aldh9a1a.2	ZDB-GENE-081104-507	aldh9a1a.2
ENS DARG00000054978	175.347479	1.151514139	2.221469201	0.450152539	0.17427913	6.607297951	3.91398E-11	1.00013E-08	kifc3	ZDB-GENE-030131-3724	kifc3
ENS DARG00000095136	5.283697681	1.150825483	2.220409057	0.450367466	0.36493403	3.153516492	0.001613161	0.040160945	si:ch211-130m23.2	ZDB-GENE-060531-13	si:ch211-130m23.2
ENS DARG00000075956	4.167582303	1.149839149	2.218891539	0.450675476	0.40563411	2.834670753	0.004587294	0.083977142	faxca	ZDB-GENE-100422-7	faxca
ENS DARG00000058606	252.7151589	1.14156154	2.206196877	0.453268704	0.211956624	5.385826215	7.21126E-08	9.21339E-06	sik1	ZDB-GENE-030131-9446	sik1
ENS DARG00000057491	54.54362013	1.140437787	2.204479081	0.45621905	0.290180199	8.779713016	1.63892E-18	2.51274E-15	n4bp1	ZDB-GENE-101026-3	n4bp1
ENS DARG00000068638	9.714433096	1.136131553	2.197908843	0.454977923	0.319827669	3.552324155	0.000381844	0.013562101	lpar5b	ZDB-GENE-081022-116	lpar5b
ENS DARG00000040890	333.4751576	1.122049668	2.176559815	0.459440624	0.353385533	3.175143186	0.001497626	0.038215423	fdps	ZDB-GENE-050506-78	fdps
ENS DARG00000044691	97.6651015	1.119219609	2.172294357	0.460342769	0.249417733	4.487329724	7.21214E-06	0.00050261	ppp1r3b	ZDB-GENE-030131-5496	ppp1r3b
ENS DARG000000102299	26.05768673	1.107774745	2.155129773	0.46400918	0.290180199	3.817540786	0.000134789	0.005890354	cxcl8b.1	ZDB-GENE-101026-3	cxcl8b.1
ENS DARG00000110016	4.76120249	1.104764997	2.150638431	0.464978206	0.383206259	2.88295134	0.003939683	0.075290747	msc	ZDB-GENE-090806-3	msc
ENS DARG00000037533	1384.189644	1.104287611	2.149926906	0.465132092	0.229290517	4.816106771	1.46386E-06	0.000123408	mep1b	ZDB-GENE-041014-209	mep1b
ENS DARG00000079946	210.1461034	1.103012729	2.148027896	0.465543302	0.39627206	2.783473379	0.005378028	0.094774857	sqlea	ZDB-GENE-071004-98	sqlea
ENS DARG00000057394	8.897573746	1.102614652	2.147435281	0.466567176	0.27469404	3.971253242	7.14955E-05	0.003545485	rab33a	ZDB-GENE-060825-283	rab33a
ENS DARG00000007823	69.5699399	1.098658715	2.141554978	0.466950422	0.242386129	4.532679826	5.82401E-06	0.000425199	atf3	ZDB-GENE-040426-728	atf3
ENS DARG00000095102	13.3069466	1.081724928	2.116565196	0.472463594	0.345397719	3.131824182	0.001737239	0.042389547	si:ch211-132g1.4	ZDB-GENE-090313-26	si:ch211-132g1.4
ENS DARG00000099564	7.341359318	1.079412118	2.11317481	0.473221617	0.341190354	3.163665397	0.001557958	0.039157529	atoh1b	ZDB-GENE-041201-1	atoh1b
ENS DARG00000061580	17.78476483	1.073613885	2.104698944	0.475127335	0.238221131	4.506795356	6.56141E-06	0.000471147	ktcd7	ZDB-GENE-060804-2	ktcd7
ENS DARG00000022183	78.93101766	1.063167072	2.089513488	0.478580304	0.20764712	5.120066531	3.05428E-07	3.24813E-05	gstot1	ZDB-GENE-040718-365	gstot1
ENS DARG00000094606	11.92995383	1.060063188	2.085022841	0.479611053	0.287719876	3.684358564	0.000229279	0.009052104	si:zfos-364h11.2	ZDB-GENE-120703-46	si:zfos-364h11.2
ENS DARG00000071495	55.68858541	1.034921738	2.04900249	0.488042355	0.278380465	3.71765216	0.000201083	0.008130819	sult3st5	ZDB-GENE-060503-722	sult3st5
ENS DARG00000100872	12.81436278	1.034283455	2.048096162	0.488258324	0.255757751	4.043996518	5.25477E-05	0.002738733	otud1	ZDB-GENE-170421-2	otud1
ENS DARG00000067985	9.041421833	1.034187183	2.047959497	0.488290907	0.303363132	4.090733395	0.000651839	0.020328844	ftf23	ZDB-GENE-070912-322	ftf23
ENS DARG00000002634	11.71274907	1.031586457	2.044270995	0.489171936	0.298819887	3.45220148	0.000556032	0.018138091	b4galt1	ZDB-GENE-050417-236	b4galt1
ENS DARG00000098063	144.4911027	1.025499302	2.035663784	0.491240257	0.267768914	3.829792213	0.000128252	0.005699447	alp3	ZDB-GENE-120919-1	alp3
ENS DARG00000093048	8.812736067	1.020036814	2.027970707	0.493103769	0.319722892	3.190377788	0.001420869	0.036818524	si:ch211-158d24.4	ZDB-GENE-081104-141	si:ch211-158d24.4
ENS DARG00000105641	38.26533107	1.007902322	2.010985003	0.497268751	0.224387891	4.491785709	7.06285E-06	0.000494762	si:ch211-98n17.5	ZDB-GENE-160728-87	si:ch211-98n17.5
ENS DARG00000100947	5.909893015	1.00660588	2.009178692	0.49771581	0.330188712	3.048577508	0.002299276	0.050749147	mafK	ZDB-GENE-040624-9	mafK
ENS DARG00000056986	40.59267571	0.999001297	1.998615982	0.500346244	0.213012566	4.689870242	2.73378E-06	0.000221569	dact2	ZDB-GENE-030131-9975	dact2
ENS DARG00000098746	132.7075347	0.997853241	1.997026173	0.500744564	0.232315076	4.295258228	1.7449E-05	0.001091928	dhfr13l1	ZDB-GENE-040426-1907	dhfr13l1
ENS DARG00000099717	9.223042743	0.988172403	1.983670497	0.504115982	0.27733464	3.015170901	0.002568345	0.055446489	si:rp71-1h20.9	ZDB-GENE-131127-386	si:rp71-1h20.9
ENS DARG00000077874	16.39344225	0.987735496	1.983069852	0.504268672	0.307865514	3.20833433	0.001335062	0.034840384	vwa10.1	ZDB-GENE-090313-291	vwa10.1
ENS DARG00000071636	9.380285472	0.986689251	1.981632248	0.504634501	0.321429242	3.069693487	0.002142786	0.04861032	BX511034.2		
ENS DARG00000017982	92.65465618	0.976027972	1.967042287	0.50837748	0.285620271	3.417222351	0.000632636	0.019896128	cyp39a1	ZDB-GENE-041014-339	cyp39a1
ENS DARG00000037551	122.8325767	0.974185556	1.964531847	0.509027126	0.257940424	3.776785118	0.001588866	0.006828997	pm20d1.1	ZDB-GENE-051120-102	pm20d1.1
ENS DARG00000033854	65.19031597	0.955954217	1.939862259	0.515500518	0.210735814	4.536268411	5.72583E-06	0.000419696	abrab	ZDB-GENE-040822-7	abrab
ENS DARG00000060315	52.0388827	0.951020355	1.933239471	0.517266492	0.235066523	4.045749878	5.21559E-05	0.002731014	rabgap1l2	ZDB-GENE-070912-414	rabgap1l2
ENS DARG00000023026	25.18395615	0.937801404	1.915606724	0.522027819	0.200430373	4.678938575	2.88364E-06	0.000229667	pkp2	ZDB-GENE-041210-167	pkp2

ENSDARG00000109717	9.674464371	0.926335923	1.900443221	0.526193042	0.298707768	3.1011444	0.001927743	0.045353719	SLC35E2A		
ENSDARG00000025131	12.79802721	0.919957087	1.892059013	0.528524741	0.245595297	3.745825346	0.000179802	0.007477236	lxb2	ZDB-GENE-001206-2	lxb2
ENSDARG00000054534	159.2820626	0.916959105	1.888131316	0.52962418	0.228892218	4.006073746	6.17364E-05	0.003133923	ACOT12		
ENSDARG00000016290	1333.734282	0.908840157	1.877535462	0.532613109	0.200795194	4.526204735	6.00524E-06	0.000436697	clca1	ZDB-GENE-030131-6221	clca1
ENSDARG00000045444	73.01851394	0.895998936	1.860897943	0.537374983	0.184131522	4.866081186	1.13833E-06	9.87875E-05	fdz8a	ZDB-GENE-000328-3	fdz8a
ENSDARG00000032206	161.7396735	0.890968706	1.854420867	0.539251913	0.176746756	5.040933851	4.63236E-07	4.58234E-05	ctlhl	ZDB-GENE-040905-3	ctlhl
ENSDARG00000056029	19.14821349	0.888794866	1.851628747	0.540065065	0.208622331	4.260305515	2.04148E-05	0.001239574	cyp26c1	ZDB-GENE-050714-2	cyp26c1
ENSDARG00000022000	21.74508125	0.886037536	1.848093228	0.541098244	0.229398227	3.862442817	0.000112259	0.005163346	traf3	ZDB-GENE-040801-257	traf3
ENSDARG00000100504	113.1515944	0.882921608	1.844106029	0.542268169	0.266645909	3.311213776	0.000928922	0.026578361	ppp1r27b	ZDB-GENE-051023-5	ppp1r27b
ENSDARG000000021059	1652.405435	0.882249585	1.843247225	0.542520822	0.289905565	3.043230938	0.002340526	0.05144684	alas1	ZDB-GENE-001229-2	alas1
ENSDARG00000069335	58.73605119	0.875669671	1.834859595	0.545000829	0.153528471	5.703630513	1.17282E-08	1.84424E-06	bcl6b	ZDB-GENE-120907-1	bcl6b
ENSDARG00000078349	193.4461066	0.86923485	1.826693836	0.547437113	0.207100258	4.197169331	2.70272E-05	0.001573564	zmp:0000000845	ZDB-GENE-130530-848	zmp:0000000845
ENSDARG00000092162	30.65475356	0.86580919	1.822361521	0.54873854	0.257217679	3.366056305	0.000762511	0.022960205	mhc1zaa	ZDB-GENE-030916-1	mhc1zaa
ENSDARG000000102981	34.0366806	0.859844447	1.814842622	0.551011965	0.223584354	3.845727276	0.000120195	0.005460135	cyp2k16	ZDB-GENE-041010-37	cyp2k16
ENSDARG00000035601	42.50612471	0.858087461	1.812633762	0.551683424	0.257234478	3.335818233	0.000850488	0.024876422	dao.3	ZDB-GENE-040426-1894	dao.3
ENSDARG00000003615	359.5433546	0.856097354	1.81013507	0.552444962	0.222148373	3.853718177	0.000116337	0.005337586	slc26a3.2	ZDB-GENE-041210-179	slc26a3.2
ENSDARG00000053479	22.40783839	0.853603463	1.807008714	0.553400762	0.237930084	3.587623093	0.000333706	0.012230133	gdf6a	ZDB-GENE-980526-373	gdf6a
ENSDARG000000046127	13.67938464	0.853345529	1.806685674	0.553499712	0.250950454	3.40045422	0.00067274	0.020836819	tk2	ZDB-GENE-040718-243	tk2
ENSDARG00000101062	95.57808635	0.852939173	1.806176867	0.553655635	0.254048753	3.357383822	0.000786838	0.023576948	fdft1	ZDB-GENE-081104-242	fdft1
ENSDARG00000077875	145.6146329	0.844241463	1.795320558	0.557003592	0.251603091	3.355449483	0.000792361	0.023665361	slc2a5	ZDB-GENE-060222-2	slc2a5
ENSDARG00000069190	13.50531559	0.83405542	1.782689471	0.560950191	0.286163298	2.914613534	0.003561292	0.070150598	zgc:172339	ZDB-GENE-080204-115	zgc:172339
ENSDARG00000002920	20.98788402	0.832250042	1.780460022	0.56165626	0.292152371	2.848684884	0.004390034	0.081501354	BX629344.1		
ENSDARG00000006514	57.95068299	0.831663853	1.779736741	0.561880854	0.150335466	5.532053595	3.16503E-08	4.4837E-06	her6	ZDB-GENE-980526-144	her6
ENSDARG00000059963	10.2121572	0.821397186	1.767116537	0.565893635	0.297000241	2.765644847	0.005681037	0.098696616	polk	ZDB-GENE-060526-137	polk
ENSDARG00000092788	24.4879528	0.819757734	1.76510956	0.566537071	0.227820635	3.59825937	0.000320354	0.011858901	si:dkey-21e2.15	ZDB-GENE-050208-780	si:dkey-21e2.15
ENSDARG00000032618	63.10175182	0.817562708	1.76242603	0.5673997	0.182011719	4.491813568	7.06192E-06	0.000494762	mgst1.1	ZDB-GENE-041010-30	mgst1.1
ENSDARG00000002172	10.39495934	0.815521691	1.759934445	0.568202982	0.286339343	2.848095139	0.004398177	0.08157023	aplnra	ZDB-GENE-060929-512	aplnra
ENSDARG00000100972	63.12531367	0.811270387	1.75475594	0.56987982	0.248066195	3.270378649	0.001074036	0.029492711	myh11b	ZDB-GENE-101124-2	myh11b
ENSDARG00000058218	190.7421744	0.809194712	1.752233102	0.570700324	0.180919693	4.472673486	7.72477E-06	0.000531151	fam151a	ZDB-GENE-070705-105	fam151a
ENSDARG00000074258	28.43671042	0.808463367	1.751345069	0.570989703	0.265764162	3.042033064	0.002349861	0.051528891	gramd1bb	ZDB-GENE-140106-106	gramd1bb
ENSDARG00000008164	16.11564009	0.802621357	1.744267559	0.573306541	0.242670508	3.307453234	0.000941484	0.026797518	btr33	ZDB-GENE-090512-4	btr33
ENSDARG00000006837	35.2380218	0.799639636	1.740666279	0.57449266	0.19150665	4.1755189	2.97308E-05	0.00168823	mycn	ZDB-GENE-020711-1	mycn
ENSDARG00000056725	305.5644085	0.799452877	1.740440962	0.574567033	0.154194188	5.184714719	2.16346E-07	2.42703E-05	hmgb3a	ZDB-GENE-050428-1	hmgb3a
ENSDARG00000026335	45.24371311	0.795688728	1.73590588	0.576068099	0.223207898	3.564787513	0.00364151	0.013085257	susd4	ZDB-GENE-110511-1	susd4
ENSDARG00000003909	27.45707316	0.794814123	1.734853842	0.576417434	0.259699521	3.060514405	0.002209571	0.049394524	ftr01	ZDB-GENE-070705-491	ftr01
ENSDARG00000104256	596.5516143	0.792934614	1.732595186	0.577168867	0.229099322	3.461095419	0.000537982	0.017732747	bco1	ZDB-GENE-010508-1	bco1
ENSDARG000000067850	154.0298498	0.791845625	1.731287866	0.577604695	0.164439934	4.815409541	1.46898E-06	0.000123408	jund	ZDB-GENE-070725-2	jund
ENSDARG00000070000	162.2958168	0.789100228	1.72799642	0.578704903	0.215750176	3.657472008	0.000254715	0.009822449	txnipb	ZDB-GENE-040917-1	txnipb
ENSDARG00000088440	141.5108046	0.787830943	1.726476794	0.579214272	0.119033797	6.618548353	3.62743E-11	9.39965E-09	ssh2a	ZDB-GENE-030131-3810	ssh2a
ENSDARG00000057035	109.3087542	0.784267844	1.722218085	0.580646556	0.254649649	3.079791573	0.002071455	0.047460311	stoml3b	ZDB-GENE-050417-366	stoml3b
ENSDARG00000004218	33.86757041	0.781728061	1.719188885	0.581669652	0.219014069	3.569305218	0.000357929	0.012886853	rnd1b	ZDB-GENE-060315-7	rnd1b
ENSDARG00000059836	103.4866718	0.779112162	1.716074471	0.582725293	0.140840408	5.531879486	3.16818E-08	4.4837E-06	ddit3	ZDB-GENE-070410-90	ddit3
ENSDARG00000004032	195.8960077	0.776458537	1.712920907	0.583798117	0.143126265	5.424989855	5.79578E-08	7.67128E-06	klf2b	ZDB-GENE-011109-2	klf2b
ENSDARG00000086881	19.32401464	0.776371788	1.712817912	0.583833222	0.239384689	3.243197346	0.001181963	0.031595687	ier2b	ZDB-GENE-030131-8244	ier2b
ENSDARG00000092931	103.4164754	0.775019782	1.711213515	0.584380611	0.224627303	3.450247462	0.000560073	0.018205338	si:ch211-114c12.5	ZDB-GENE-060526-13	si:ch211-114c12.5
ENSDARG00000058678	39.60193673	0.771215195	1.706706753	0.585923738	0.205412367	3.754473053	0.000173707	0.007313164	aqp10b	ZDB-GENE-060503-57	aqp10b
ENSDARG00000018162	13.2323847	0.769330887	1.704479073	0.586689515	0.232928002	3.302869896	0.000957008	0.027129475	ctnna1	ZDB-GENE-060503-507	ctnna1
ENSDARG00000075121	79.03295884	0.764953397	1.699315105	0.588472378	0.182383899	4.194193681	2.73844E-05	0.001579367	hbegfa	ZDB-GENE-080204-119	hbegfa
ENSDARG00000075116	19.77039295	0.764764993	1.699093203	0.588549232	0.243746107	3.137547513	0.001703677	0.041736674	sall2	ZDB-GENE-030829-32	sall2
ENSDARG00000036834	2065.003506	0.764684518	1.698998429	0.588582063	0.184685845	4.140460883	3.46609E-05	0.001892257	krt92	ZDB-GENE-050417-363	krt92
ENSDARG000000040309	34.85606374	0.762643102	1.696596043	0.589415497	0.171065636	4.45818997	8.26546E-06	0.000565309	pxdc1b	ZDB-GENE-091204-294	pxdc1b
ENSDARG00000043128	90.314861	0.760878396	1.694522033	0.590136912	0.227445621	3.345320049	0.000821877	0.024229849	clдне	ZDB-GENE-010328-5	clдне
ENSDARG00000078805	15.85170744	0.759779754	1.693232111	0.590586484	0.22771574	3.336527165	0.000848321	0.024852574	ap5b1	ZDB-GENE-131121-204	ap5b1
ENSDARG00000100498	131.2553359	0.759416019	1.692805264	0.590735403	0.215594628	3.522425521	0.000427617	0.014788159	CABZ01079251.1		

ENSDARG0000052695	39.55225894	0.757841694	1.690959017	0.591380388	0.155615397	4.869966024	1.11617E-06	9.73241E-05	nr2f1a	ZDB-GENE-980526-115	nr2f1a
ENSDARG0000029290	24.80883529	0.751408954	1.683436093	0.594023144	0.231709852	3.24288738	0.00118325	0.031595687	stx11b.1	ZDB-GENE-040426-1893	stx11b.1
ENSDARG0000078297	48.75673985	0.747824866	1.679259123	0.59550071	0.248043653	3.014892169	0.002570706	0.055446489	ptprh	ZDB-GENE-091118-90	ptprh
ENSDARG0000087873	49.56970246	0.746979388	1.678275296	0.5958498	0.181964082	4.105092505	0.04153E-05	0.002180531	eenv	ZDB-GENE-131121-365	eenv
ENSDARG0000056680	59.08835486	0.744131341	1.674965454	0.597027239	0.140709488	5.288423359	1.23375E-07	1.46442E-05	stc2a	ZDB-GENE-041008-14	stc2a
ENSDARG00000105644	352.9377829	0.738735436	1.668712523	0.599264395	0.1847510634	4.003755349	6.23448E-05	0.003511555	zgc:172079	ZDB-GENE-080204-103	zgc:172079
ENSDARG0000092532	16.25035199	0.732047434	1.660994659	0.602048896	0.247989782	2.951925789	0.003157988	0.064413156	si:dkey-21e2.8	ZDB-GENE-050208-459	si:dkey-21e2.8
ENSDARG0000088428	19.82338175	0.731896323	1.660820692	0.602111959	0.218818414	3.344765683	0.000823521	0.024229849	si:ch211-189a15.5	ZDB-GENE-141215-48	si:ch211-189a15.5
ENSDARG0000057231	29.24604077	0.73010132	1.658755582	0.602861574	0.196482326	3.715862565	0.000202512	0.008168643	rorca	ZDB-GENE-990415-250	rorca
ENSDARG00000094077	25.10407659	0.724919851	1.652808812	0.605030656	0.259974678	2.788424847	0.005296503	0.093517342	si:dkey-21e2.16	ZDB-GENE-050208-698	si:dkey-21e2.16
ENSDARG0000069388	29.35468611	0.719808731	1.646963669	0.607177935	0.23065973	3.120651922	0.001804512	0.043626032	tmem88b	ZDB-GENE-060929-644	tmem88b
ENSDARG00000011703	15.341191	0.714130946	1.640494715	0.609572217	0.2349149	3.039955948	0.002366128	0.05170073	clocka	ZDB-GENE-990630-14	clocka
ENSDARG00000101749	211.071462	0.711931061	1.637995123	0.610502428	0.174248412	4.085724827	4.39394E-05	0.002336409	zgc:92161	ZDB-GENE-040912-22	zgc:92161
ENSDARG00000006775	12.59140365	0.708657618	1.634282761	0.611889218	0.230749275	3.07111525	0.002132608	0.048477848	cas54	ZDB-GENE-110131-9	cas54
ENSDARG0000088013	22.907854	0.708592957	1.634209515	0.611916643	0.251935108	2.812601076	0.004914258	0.088035552	CYP27A1 (1 of many)	ZDB-GENE-060616-143	zgc:136333
ENSDARG0000040284	44.15278247	0.707265998	1.632707096	0.612479729	0.216556505	3.265965144	0.001090917	0.029690365	si:dkey-79d12.5	ZDB-GENE-131127-429	si:dkey-79d12.5
ENSDARG0000075698	68.11608632	0.706683908	1.632048474	0.612726899	0.237834036	2.971332109	0.002965109	0.061640773	nkpd1	ZDB-GENE-141215-19	nkpd1
ENSDARG000000043722	2499.53724	0.704950804	1.630090977	0.613463407	0.238134206	2.960308871	0.000373308	0.063135116	cpa4	ZDB-GENE-040704-61	cpa4
ENSDARG0000076964	34.64232403	0.702117826	1.626891261	0.614669231	0.229056198	3.06526448	0.002174776	0.048973717	cables2a	ZDB-GENE-091118-58	cables2a
ENSDARG00000062085	290.5305536	0.697728573	1.621949131	0.616542147	0.214426702	3.25392578	0.00113822	0.03070524	tkfc	ZDB-GENE-060929-652	tkfc
ENSDARG00000004451	56.88307859	0.697439315	1.621623965	0.616665776	0.138158129	5.048123613	4.4617E-07	0.44371E-05	tnfrsfa	ZDB-GENE-010802-1	tnfrsfa
ENSDARG00000037894	72.14167567	0.696568072	1.620644963	0.617038292	0.181573388	3.836289451	0.000124907	0.007577773	ezh1	ZDB-GENE-050114-1	ezh1
ENSDARG0000013856	7064.840046	0.695098434	1.618994892	0.617667174	0.237009617	2.932785782	0.003359356	0.067620821	amy2a	ZDB-GENE-040426-2393	amy2a
ENSDARG00000077326	207.7107366	0.691861004	1.615365915	0.619054785	0.137282826	5.039676293	4.6632E-07	4.58789E-05	slc45a4	ZDB-GENE-091230-5	slc45a4
ENSDARG00000098112	25.39579247	0.691717894	1.615205686	0.619116196	0.182735246	3.785355649	0.000153489	0.006628847	btc	ZDB-GENE-050311-1	btc
ENSDARG00000102047	18.6979145	0.688270213	1.611350356	0.620597499	0.244876424	2.810683863	0.004943633	0.08834142	mab2111	ZDB-GENE-020516-1	mab2111
ENSDARG0000075048	205.5960192	0.688003798	1.611052823	0.620712112	0.183572033	3.747868271	0.000178344	0.007440296	lonrf1	ZDB-GENE-101021-4	lonrf1
ENSDARG00000079361	171.1827592	0.686840304	1.609754077	0.621212901	0.193335785	3.552577212	0.000381477	0.013562101	abcg2b	ZDB-GENE-050517-36	abcg2b
ENSDARG0000087782	26.20146716	0.686625729	1.609514673	0.621305302	0.209548585	3.276689885	0.001050317	0.028927732	rnf152	ZDB-GENE-050327-84	rnf152
ENSDARG00000029795	111.2818568	0.685056834	1.607765329	0.621981324	0.135323146	5.062377389	4.1406E-07	4.18565E-05	prxl2b	ZDB-GENE-040426-2556	prxl2b
ENSDARG0000059423	82.08825674	0.684270254	1.606888977	0.62232053	0.132785951	5.153182623	2.56102E-07	2.79885E-05	prune2	ZDB-GENE-050309-222	prune2
ENSDARG0000052215	31.78390741	0.684185004	1.606794028	0.622357305	0.188529929	3.629052469	0.000284463	0.010724504	btr02	ZDB-GENE-060825-228	btr02
ENSDARG00000102668	16.86953856	0.68312303	1.605611694	0.622815593	0.219118931	3.117590183	0.001823362	0.04378541	slc16a5b	ZDB-GENE-131120-181	slc16a5b
ENSDARG00000031929	71.66825535	0.68302874	1.605506761	0.6228563	0.195511792	3.493542425	0.000476657	0.016239889	stard14	ZDB-GENE-040426-963	stard14
ENSDARG0000070491	16.03200692	0.679569704	1.601661975	0.624351465	0.23596829	3.039263601	0.002371572	0.051758233	hpcal4	ZDB-GENE-060503-307	hpcal4
ENSDARG0000036058	38.72445513	0.677499401	1.599365198	0.625248068	0.216826701	3.124612406	0.001780395	0.043156396	gnao1b	ZDB-GENE-040426-1693	gnao1b
ENSDARG00000005894	162.188521	0.677349654	1.599199199	0.62531297	0.181678547	3.728286388	0.000192786	0.007881958	slc7a9	ZDB-GENE-080116-2	slc7a9
ENSDARG00000017165	264.2338311	0.675841146	1.597527921	0.62596715	0.19447849	3.475146001	0.000510575	0.017048214	slc3a1	ZDB-GENE-090313-225	slc3a1
ENSDARG00000028096	29.79748743	0.674761343	1.596332679	0.626435838	0.193104632	3.494278397	0.000475345	0.016239889	cldn23a	ZDB-GENE-091204-28	cldn23a
ENSDARG0000036457	26.94257658	0.670785076	1.591939022	0.628164764	0.183649762	3.652523527	0.000259676	0.009911857	cacng6a	ZDB-GENE-060503-440	cacng6a
ENSDARG00000006220	1377.352279	0.670228142	1.591324593	0.628407306	0.15214548	4.405179449	1.05696E-05	0.000702022	ugt1a7	ZDB-GENE-071004-5	ugt1a2
ENSDARG00000006220	1377.352279	0.670228142	1.591324593	0.628407306	0.15214548	4.405179449	1.05696E-05	0.000702022	ugt1a7	ZDB-GENE-071004-4	ugt1a1
ENSDARG00000006220	1377.352279	0.670228142	1.591324593	0.628407306	0.15214548	4.405179449	1.05696E-05	0.000702022	ugt1a7	ZDB-GENE-080227-5	ugt1a6
ENSDARG00000006220	1377.352279	0.670228142	1.591324593	0.628407306	0.15214548	4.405179449	1.05696E-05	0.000702022	ugt1a7	ZDB-GENE-080227-6	ugt1a7
ENSDARG00000102977	318.0653601	0.670082905	1.591164402	0.628470571	0.193707479	3.459251597	0.000541679	0.017732747	cant1b	ZDB-GENE-040801-114	cant1b
ENSDARG00000044541	16.16377941	0.669992054	1.591064204	0.628510149	0.240040457	2.79116305	0.005251901	0.092997566	ppp1r14ba	ZDB-GENE-060825-331	ppp1r14ba
ENSDARG00000099518	98.89036975	0.669389816	1.59040017	0.628772568	0.228611136	2.92807178	0.000410713	0.016239889	si:ch211-119e14.1	ZDB-GENE-141216-162	si:ch211-119e14.1
ENSDARG0000009901	79.68674766	0.668035645	1.588908057	0.629363037	0.1697501	3.935406486	8.3056E-05	0.004031832	slc38a5a	ZDB-GENE-081105-92	slc38a5a
ENSDARG00000056226	221.7050368	0.665996513	1.586663851	0.630253219	0.145837227	4.5667113	4.95436E-06	0.000372042	creb3l3a	ZDB-GENE-030131-4298	creb3l3a
ENSDARG00000098239	19.46813455	0.665888416	1.586544972	0.630300444	0.230201146	2.892637272	0.003820222	0.073596277	zgc:85932	ZDB-GENE-040426-2460	zgc:85932
ENSDARG000000090072	109.9263968	0.661366483	1.581579945	0.632279135	0.133069426	4.97008595	6.69232E-07	6.21845E-05	CU462878.1		
ENSDARG0000034941	57.295966	0.660743654	1.580897305	0.632552157	0.217295566	3.04075995	0.002359819	0.051627457	si:dkey-224e22.2	ZDB-GENE-061207-59	si:dkey-224e22.2
ENSDARG00000102082	98.59800528	0.659552778	1.579592889	0.633074514	0.190082823	3.469817878	0.000520811	0.017327103	nr3c2	ZDB-GENE-060531-23	nr3c2
ENSDARG00000077130	34.59171923	0.654598976	1.57417832	0.635252047	0.167790852	3.901279297	9.56857E-05	0.004537178	bcl10	ZDB-GENE-100219-2	bcl10

ENSDARG0000002777	31.81930271	0.65391414	1.573431247	0.635553668	0.20604623	3.173628264	0.001505464	0.038309157	tnfaip3	ZDB-GENE-100212-2	tnfaip3
ENSDARG00000032816	131.045699	0.653346868	1.572812691	0.635803618	0.208457746	3.134193289	0.001723273	0.042160608	tm7sf2	ZDB-GENE-041212-19	tm7sf2
ENSDARG0000003109	276.1385781	0.648482361	1.567518382	0.637951051	0.172055127	3.769038286	0.000163878	0.00697922	rca1a	ZDB-GENE-040801-135	rca1a
ENSDARG00000101671	33.41206262	0.643473906	1.562086025	0.640169609	0.228641979	2.814329678	0.004887907	0.087876185	zgc:158417	ZDB-GENE-061201-36	zgc:158417
ENSDARG00000099113	15.83244595	0.639618519	1.557917156	0.641882655	0.218228101	2.930963134	0.003379129	0.067870318	UNC13B		
ENSDARG00000060705	38.34892089	0.639519936	1.557810703	0.641926518	0.199884118	3.199453478	0.001376884	0.035279073	nsd1b	ZDB-GENE-080519-2	nsd1b
ENSDARG0000052279	103.4152063	0.63821256	1.556399649	0.642508497	0.204945346	3.114062226	0.001845306	0.044205643	osgn1	ZDB-GENE-040426-864	osgn1
ENSDARG00000043281	59.00563034	0.632509844	1.550259622	0.645053245	0.20530435	3.080839953	0.002064176	0.047352499	stap2b	ZDB-GENE-040426-2540	stap2b
ENSDARG00000089791	74.81133174	0.63189194	1.549595791	0.645329579	0.213637417	2.95777748	0.003098657	0.063413899	slc25a32a	ZDB-GENE-040426-758	slc25a32a
ENSDARG00000076638	19.40953919	0.630935553	1.548568878	0.645757521	0.210791721	2.993170468	0.002760955	0.058497689	FO082781.1		
ENSDARG00000102138	33.86003672	0.630088669	1.547660111	0.646136702	0.205478937	3.06643921	0.002166249	0.048901399	foxa1	ZDB-GENE-990415-78	foxa1
ENSDARG00000076895	75.79404621	0.629180655	1.54668634	0.6465435	0.126584645	4.970434269	6.68031E-07	6.21845E-05	flrt3	ZDB-GENE-030131-1988	flrt3
ENSDARG00000114554	177.2695806	0.627848075	1.545258365	0.647140972	0.208071706	3.017460119	0.002549026	0.055172914	cdx1a	ZDB-GENE-050510-1	cdx1a
ENSDARG00000068749	64.13939871	0.62393492	1.541072698	0.648898654	0.200633987	3.109816691	0.001872035	0.044558825	si:ch211-250k18.5	ZDB-GENE-070912-244	si:ch211-250k18.5
ENSDARG00000025788	98.63654305	0.623481251	1.540588168	0.649102739	0.136427337	4.570060977	4.87582E-06	0.000367645	chp2	ZDB-GENE-030131-5810	chp2
ENSDARG00000023217	101.6487932	0.61990808	1.536777264	0.650712386	0.169902099	3.648619317	0.000263653	0.010022099	crema	ZDB-GENE-030131-7031	crema
ENSDARG00000099177	43.28215329	0.616927288	1.533605364	0.652058231	0.174656748	3.532227038	0.000412075	0.014413238	dok1b	ZDB-GENE-040426-2063	dok1b
ENSDARG00000076781	18.8958907	0.610607896	1.526902451	0.654920686	0.192927151	3.164966123	0.00155101	0.05942606	trim45	ZDB-GENE-070912-389	trim45
ENSDARG00000116833	41.11459397	0.6095961	1.525831974	0.655380158	0.202416744	3.011589302	0.002598839	0.055987645	CABZ01077220.2		
ENSDARG00000070581	93.41813664	0.603215489	1.519098574	0.658285129	0.165877216	3.636518048	0.000276348	0.01043995	ggact.1	ZDB-GENE-061103-94	ggact.1
ENSDARG00000076594	43.1651211	0.602778828	1.518638858	0.658484402	0.140439449	4.292090537	1.76999E-05	0.001103872	pcdh12	ZDB-GENE-140106-126	pcdh12
ENSDARG00000022295	99.229398715	0.600940055	1.516704224	0.659324202	0.188469119	3.188533269	0.001429966	0.036898325	hnf1bb	ZDB-GENE-030131-3003	hnf1bb
ENSDARG00000020952	254.5057875	0.599938405	1.515651856	0.659782124	0.189558874	3.164918596	0.001551263	0.039042606	si:ch211-214j8.1	ZDB-GENE-060526-100	si:ch211-214j8.1
ENSDARG00000012539	164.8066131	0.598812759	1.514469747	0.660297112	0.216101015	2.770985403	0.000588693	0.097508536	dnase1	ZDB-GENE-040718-423	dnase1
ENSDARG000000114063	285.1826125	0.598482311	1.514122899	0.66044837	0.204753434	2.922941504	0.003467417	0.069115416	parm1	ZDB-GENE-140106-262	parm1
ENSDARG00000077176	45.10772219	0.598240206	1.513868828	0.660559212	0.18546257	3.225665463	0.001256802	0.03032338	zgc:174888	ZDB-GENE-030328-33	zgc:174888
ENSDARG00000063297	18.98420358	0.597747934	1.513352359	0.660784644	0.206381552	2.896324451	0.003775618	0.073119814	abcb6a	ZDB-GENE-050517-9	abcb6a
ENSDARG00000045695	50.49081277	0.596693375	1.512246556	0.661267831	0.180725803	3.301650156	0.000961179	0.027205794	myca	ZDB-GENE-990415-162	myca
ENSDARG00000032496	126.4930216	0.596542788	1.512088717	0.661336857	0.177201441	3.36646692	0.000761377	0.022960205	pon1	ZDB-GENE-040912-6	pon1
ENSDARG00000044808	56.61945404	0.595203524	1.510685686	0.661951066	0.15396604	3.865810426	0.00110721	0.005105372	slc4a4b	ZDB-GENE-091030-1	slc4a4b
ENSDARG00000040926	92.94232742	0.59513062	1.510609348	0.661984517	0.149499697	3.980814894	6.86794E-05	0.003424292	nr2f2	ZDB-GENE-990415-252	nr2f2
ENSDARG00000042859	46.74165926	0.592232329	1.507577668	0.663315742	0.209577399	2.825840629	0.004715672	0.085814968	slc5a6a	ZDB-GENE-041001-177	slc5a6a
ENSDARG00000013266	36.80926	0.591279003	1.506581796	0.663754203	0.209572378	2.821359415	0.004782059	0.086509662	colec11	ZDB-GENE-041114-11	colec11
ENSDARG00000031278	91.98251633	0.588854112	1.504051651	0.664870784	0.203797072	2.889413998	0.003859606	0.045199608	si:ch73-193i2.2	ZDB-GENE-141215-32	si:ch73-193i2.2
ENSDARG00000060889	22.61601308	0.586706371	1.501814234	0.665861315	0.189516427	3.095807473	0.001962778	0.045710357	mettl7a	ZDB-GENE-061027-239	mettl7a
ENSDARG00000099985	22.71455602	0.58548285	1.500541116	0.666426258	0.200613949	2.918455341	0.003517703	0.06973997	ccn1l2	ZDB-GENE-060404-5	ccn1l2
ENSDARG000000116139	343.1670094	0.584151853	1.49915739	0.667041371	0.164543914	3.550127364	0.000385045	0.013649431	cdx1b	ZDB-GENE-070615-29	cdx1b
ENSDARG00000053159	42.49322934	0.581979482	1.496901698	0.66804654	0.135068654	4.308767913	1.64167E-05	0.001041495	zgc:110626	ZDB-GENE-050417-447	zgc:110626
ENSDARG00000008553	136.2695422	0.581574218	1.496481266	0.668234226	0.170705691	3.406882428	0.000657094	0.020387522	zgc:136872	ZDB-GENE-060421-5204	zgc:136872
ENSDARG00000079560	335.0370807	0.580160122	1.495015168	0.668889535	0.18934027	3.064113727	0.002183159	0.049063019	ptprh	ZDB-GENE-091118-90	ptprh
ENSDARG00000028386	90.19842596	0.577422682	1.492181143	0.670159923	0.197638715	2.92160715	0.003482305	0.069262099	htatip2	ZDB-GENE-001219-1	htatip2
ENSDARG00000002285	47.86751444	0.573186981	1.487806578	0.67213038	0.149786072	3.826704125	0.00012987	0.005757124	mcoln1a	ZDB-GENE-040426-2704	mcoln1a
ENSDARG00000022698	190.8783921	0.568492222	1.482972887	0.674321162	0.181470671	3.132694764	0.001732095	0.042320157	lad1	ZDB-GENE-030616-268	lad1
ENSDARG00000100518	43.25512916	0.567556418	1.48201127	0.674758702	0.159969847	3.547896231	0.000388321	0.013739102	CR387919.1		
ENSDARG00000001897	591.1384445	0.566639224	1.48106938	0.675187816	0.152675038	3.711407125	0.000206611	0.008279513	man2b1	ZDB-GENE-050327-52	man2b1
ENSDARG00000018485	73.00726489	0.565163559	1.479555238	0.675878787	0.133310408	4.239455618	2.24062E-05	0.00133841	cyp2v1	ZDB-GENE-040912-139	cyp2v1
ENSDARG00000044094	355.4338067	0.562833754	1.4771767835	0.6768971145	0.150034727	3.751356529	0.00017588	0.007370951	gfpt2	ZDB-GENE-071113-1	gfpt2
ENSDARG00000035610	23.97499552	0.560734247	1.475019725	0.677957036	0.181926444	3.082203091	0.002054746	0.047195027	zgc:113208	ZDB-GENE-050417-450	zgc:113208
ENSDARG00000079175	272.8376515	0.560676141	1.474960318	0.677984342	0.170175445	3.294694735	0.000985286	0.027675269	si:ch211-79k12.1	ZDB-GENE-080303-9	si:ch211-79k12.1
ENSDARG00000096214	35.14773329	0.560416656	1.474695053	0.678106296	0.16439135	3.409039806	0.00065192	0.020328844	si:ch211-197k17.3	ZDB-GENE-110914-193	si:ch211-197k17.3
ENSDARG00000055398	34.5095327	0.559909753	1.4741769988	0.678344596	0.196429677	2.850433605	0.004365966	0.081185559	foxc1b	ZDB-GENE-010302-2	foxc1b
ENSDARG00000103294	84.29951124	0.558481723	1.472718528	0.679016377	0.15819001	3.530448747	0.000414855	0.01445551	si:ch211-221j21.3	ZDB-GENE-030131-1805	si:ch211-221j21.3
ENSDARG00000070229	168.3636796	0.556479803	1.470676364	0.679959252	0.167571204	3.320855788	0.000897419	0.025922163	zgc:158258	ZDB-GENE-070112-2272	zgc:158258
ENSDARG00000078419	74.29537924	0.552062127	1.466179894	0.682044546	0.185178531	2.981242609	0.002870813	0.060293619	filip1a	ZDB-GENE-030131-4110	filip1a

ENSXDARG00000062517	37.08811653	0.550148375	1.464236279	0.682949886	0.195550215	2.813335565	0.004903046	0.087998956	si:ch211-107n13.1	ZDB-GENE-060503-190	si:ch211-107n13.1
ENSXDARG00000025797	110.2384164	0.548688111	1.462754961	0.683641503	0.168306754	3.260048082	0.001113933	0.030227352	abhd2a	ZDB-GENE-040426-784	abhd2a
ENSXDARG00000020054	120.587687	0.547012301	1.461056836	0.684436071	0.149635969	3.655620401	0.000256561	0.009874906	aox6	ZDB-GENE-050208-742	aox6
ENSXDARG00000019236	137.1185374	0.546541827	1.460580452	0.684659307	0.154431811	3.539049532	0.00040157	0.014126375	gsr	ZDB-GENE-050522-116	gsr
ENSXDARG00000040190	399.2388644	0.546278336	1.460313719	0.684784363	0.175192536	3.118159876	0.001819841	0.04378541	qdpra	ZDB-GENE-070705-197	qdpra
ENSXDARG00000093964	113.6790824	0.546014434	1.460046618	0.684909638	0.1591765	3.430245245	0.000603036	0.019194905	si:ch211-250k18.6	ZDB-GENE-070912-245	si:ch211-250k18.6
ENSXDARG00000101754	63.38771707	0.545928092	1.45995924	0.684950629	0.165535691	3.297947953	0.000973942	0.027440402	BX664622.1		
ENSXDARG00000028048	27.28951367	0.543294547	1.457296612	0.686202103	0.161464104	3.364800805	0.000765989	0.023027243	rdh8a	ZDB-GENE-021115-3	rdh8a
ENSXDARG00000089507	57.5413604	0.543284731	1.457286696	0.686206772	0.188546013	2.881443757	0.003958579	0.075393304	ugt1b5	ZDB-GENE-080227-14	ugt1b5
ENSXDARG00000007494	57.28105875	0.542911917	1.456910161	0.686384121	0.155395386	3.493745423	0.000476295	0.016239889	st3gal8	ZDB-GENE-050417-286	st3gal8
ENSXDARG00000093024	190.8380221	0.542346273	1.456339054	0.686653288	0.155494689	3.487876507	0.000486873	0.01646597	si:ch211-213a13.2	ZDB-GENE-050208-551	si:ch211-213a13.2
ENSXDARG00000096110	75.26534518	0.540393031	1.454368674	0.687583566	0.18034829	2.996385671	0.002732007	0.058040944	zgc:123278	ZDB-GENE-051127-21	zgc:123278
ENSXDARG00000062756	72.853122	0.539371178	1.453338918	0.688070751	0.164262827	3.283586367	0.001024952	0.028442041	BX571681.1		
ENSXDARG00000038703	238.1355849	0.539348134	1.453315704	0.688081741	0.189090273	2.852331452	0.004339982	0.081062935	hkdc1	ZDB-GENE-030131-9801	hkdc1
ENSXDARG00000052942	117.7639553	0.538882921	1.452847142	0.688303657	0.162765864	3.310785856	0.000930344	0.026578361	aspg	ZDB-GENE-070820-14	aspg
ENSXDARG00000032868	182.9064068	0.537757506	1.45171425	0.688840796	0.129377807	4.156489583	3.23175E-05	0.001823856	pde4ba	ZDB-GENE-030131-9570	pde4ba
ENSXDARG00000003165	56.34359944	0.537501238	1.451456402	0.688963167	0.166211528	3.233838497	0.001221385	0.032239658	nr2f6b	ZDB-GENE-040426-2351	nr2f6b
ENSXDARG00000028957	41.62352521	0.537257982	1.451211689	0.689079345	0.16057181	3.34590475	0.00020146	0.022929849	maff	ZDB-GENE-040426-1280	maff
ENSXDARG00000059001	52.09350591	0.535963883	1.449910535	0.689697727	0.174531217	3.070876912	0.002134311	0.048477848	pim2	ZDB-GENE-000831-6	pim2
ENSXDARG00000091548	82.99553458	0.53427978	1.448218997	0.690503302	0.172197117	3.102721991	0.001917497	0.04517043	stard9	ZDB-GENE-111111-11	stard9
ENSXDARG00000074223	28.48008339	0.534163287	1.448102062	0.690559061	0.187203637	2.85338093	0.004325673	0.080877785	si:ch211-262n1.4		
ENSXDARG00000001833	42.59444399	0.53366998	1.447606991	0.690795227	0.162169192	3.290822214	0.00099895	0.027958282	sv2	ZDB-GENE-000607-80	sv2
ENSXDARG00000057125	168.9607557	0.533025383	1.446960344	0.691103944	0.154994794	3.43898894	0.000583891	0.018743671	pld1b	ZDB-GENE-070510-3	pld1b
ENSXDARG00000023053	48.14774702	0.528768075	1.442696743	0.693146363	0.153142224	3.452790882	0.000554819	0.018130655	fam129ab	ZDB-GENE-070912-688	fam129ab
ENSXDARG00000060004	75.07263095	0.528072166	1.442001001	0.693480795	0.134408661	3.92885519	8.53512E-05	0.004132346	fzd7a	ZDB-GENE-990415-223	fzd7a
ENSXDARG00000042824	753.8200954	0.524555594	1.438490401	0.695173217	0.103104903	5.087591162	3.6264E-07	3.74823E-05	nfe2l2a	ZDB-GENE-030123-2	nfe2l2a
ENSXDARG00000055381	78.9773755	0.524495448	1.438430432	0.695202199	0.140363806	3.736685858	0.000186462	0.007691752	bambia	ZDB-GENE-010416-1	bambia
ENSXDARG00000061918	44.44434144	0.52129606	1.435244035	0.696745623	0.156313949	3.334929894	0.000853209	0.024916413	cplx2	ZDB-GENE-081113-1	cplx2
ENSXDARG00000039754	53.08131982	0.519433552	1.433392342	0.697645697	0.17971294	2.890351429	0.003848114	0.074056064	xpc	ZDB-GENE-030131-8461	xpc
ENSXDARG00000063802	180.1093116	0.518712642	1.432676360	0.697994396	0.167022449	3.105646242	0.001898637	0.044840982	cyp27a7	ZDB-GENE-081104-519	cyp27a7
ENSXDARG00000001870	2691.299156	0.517656362	1.431627699	0.698505625	0.174550721	2.965650093	0.003020439	0.062368171	atp1a1a.4	ZDB-GENE-001212-4	atp1a1a.4
ENSXDARG00000099315	111.9160723	0.516721261	1.430700071	0.698958517	0.166299243	3.107177468	0.00188883	0.044724181	nsdhl	ZDB-GENE-050417-163	nsdhl
ENSXDARG00000013050	629.6744778	0.516703017	1.43068198	0.698967355	0.171941755	3.005104939	0.002654892	0.056747992	abcc12	ZDB-GENE-050517-25	abcc12
ENSXDARG00000076238	92.1028028	0.509370934	1.423409395	0.702528698	0.141763809	3.593095718	0.00326772	0.012048016	gramd1c	ZDB-GENE-051026-88	gramd1c
ENSXDARG00000010981	24.84638895	0.506737697	1.420833691	0.703812139	0.175036336	2.895042869	0.003791068	0.073197506	zdhhc3a	ZDB-GENE-040718-484	zdhhc3a
ENSXDARG00000061062	54.51913779	0.506719826	1.420816091	0.703820858	0.147381711	3.438145909	0.000585712	0.018743671	nemp2	ZDB-GENE-081104-413	nemp2
ENSXDARG00000098903	44.59199832	0.506378139	1.420479626	0.70398757	0.159684549	3.171115447	0.001518548	0.038535507	tfe3a	ZDB-GENE-010919-2	tfe3a
ENSXDARG00000076239	93.4469963	0.505750473	1.41986176	0.704293917	0.165599392	3.054059967	0.002257669	0.050164979	si:ch211-74f19.2	ZDB-GENE-160114-78	si:ch211-74f19.2
ENSXDARG00000074771	60.18632202	0.504534754	1.418665786	0.704887656	0.15083309	3.344987199	0.000822864	0.024229849	ifngr1	ZDB-GENE-081022-158	ifngr1
ENSXDARG00000043257	1250.704529	0.499571906	1.413793982	0.707316634	0.113983823	4.382831651	1.17147E-05	0.000769737	ckbb	ZDB-GENE-020103-2	ckbb
ENSXDARG00000075584	28.65955148	0.4987444	1.412983286	0.707722455	0.168143226	2.96618788	0.003015162	0.062368171	itfg1	ZDB-GENE-121003-3	itfg1
ENSXDARG00000067984	26.17107103	0.498200249	1.412450442	0.707989442	0.172637613	2.885815207	0.003904013	0.074818784	gas1b	ZDB-GENE-050302-79	gas1b
ENSXDARG00000054222	121.5195122	0.493248522	1.407610833	0.710423632	0.138501788	3.561315199	0.000369002	0.013233713	fbxl8	ZDB-GENE-051120-81	fbxl8
ENSXDARG00000045638	222.1448185	0.492412026	1.406794916	0.710835665	0.174309414	2.824930771	0.004729083	0.085889115	slc13a1	ZDB-GENE-031222-3	slc13a1
ENSXDARG00000033950	154.598721	0.49202105	1.40641372	0.711028331	0.136419314	3.606681742	0.000310138	0.011550431	lamb2l	ZDB-GENE-030131-4205	lamb2l
ENSXDARG00000055283	137.7034132	0.487673714	1.402182091	0.713174135	0.127323301	3.830200037	0.000128039	0.005699447	id2a	ZDB-GENE-020910-1	id2a
ENSXDARG00000031768	75.12804862	0.487539918	1.402052059	0.713240278	0.146389605	3.330427164	0.000867128	0.025165563	roraa	ZDB-GENE-060306-2	roraa
ENSXDARG00000025595	140.514125	0.486616966	1.401155395	0.713696713	0.134120226	3.628214643	0.000285388	0.010737357	agmo	ZDB-GENE-040426-2207	agmo
ENSXDARG00000007302	113.1051666	0.483784126	1.39840682	0.715099487	0.143477463	3.371847506	0.000746658	0.022668333	sh3gl3b	ZDB-GENE-040121-4	sh3gl3b
ENSXDARG00000018524	273.247774	0.481753123	1.39643955	0.716106902	0.156563013	3.077055771	0.002090562	0.047838503	midn	ZDB-GENE-030131-2433	midn
ENSXDARG00000068883	401.6755982	0.48175016	1.396436682	0.716108373	0.169791562	2.837303302	0.004549637	0.08345386	tspan13a	ZDB-GENE-040718-19	tspan13a
ENSXDARG00000086173	114.4139546	0.481173693	1.39587881	0.71639457	0.119263154	4.034554468	5.4706E-05	0.002819274	relb	ZDB-GENE-030131-9531	relb
ENSXDARG00000071662	43.3334218	0.481013225	1.395723559	0.716474257	0.170640776	2.818864498	0.004819386	0.08684335	si:rp71-36a1.3	ZDB-GENE-050208-566	si:rp71-36a1.3
ENSXDARG00000042141	53.26419799	0.480820431	1.395537054	0.71657001	0.162590959	2.95723965	0.003104068	0.063451755	myo6b	ZDB-GENE-030318-3	myo6b

ENS DARG00000032571	132.6613285	0.479872798	1.394620697	0.717040843	0.141967973	3.380148276	0.000724467	0.022067467	il20ra	ZDB-GENE-040724-249	il20ra
ENS DARG00000093931	30.02150898	0.477964553	1.392777259	0.717989896	0.169175075	2.825265797	0.004724141	0.085884136	rflnb	ZDB-GENE-090409-1	rflnb
ENS DARG00000079420	684.1721227	0.477594209	1.392419776	0.71817423	0.167835257	2.845613128	0.004432601	0.08187851	dpp4	ZDB-GENE-081104-277	dpp4
ENS DARG00000011961	35.7950569	0.474821097	1.389745872	0.719556014	0.154874175	3.065850701	0.002170517	0.048937703	csrcp2	ZDB-GENE-040426-1863	csrcp2
ENS DARG00000054823	104.09892	0.470010599	1.385119644	0.721959294	0.146643291	3.24944625	0.001156299	0.031056342	id3	ZDB-GENE-020515-1	id3
ENS DARG00000038615	30.31447759	0.468939256	1.384091439	0.722495618	0.162893646	2.87880631	0.003991834	0.071571316	pip4p1a	ZDB-GENE-051113-312	pip4p1a
ENS DARG00000092281	67.47202939	0.464900502	1.380222161	0.724521043	0.136882862	3.39633827	0.000682939	0.021081732	flnb	ZDB-GENE-041026-1	flnb
ENS DARG000000100149	85.26669563	0.464362116	1.379707184	0.724791471	0.126825069	3.661437925	0.000250804	0.009744055	axin2	ZDB-GENE-000403-2	axin2
ENS DARG00000099116	97.24771806	0.463595025	1.37897378	0.72517695	0.142627387	3.250392744	0.001152457	0.031043791	nagk	ZDB-GENE-070928-19	nagk
ENS DARG00000074282	413.5009772	0.462018502	1.377467712	0.72596983	0.149295558	3.094656712	0.001970408	0.045830048	si:ch73-12o23.1	ZDB-GENE-130530-749	si:ch73-12o23.1
ENS DARG00000013741	35.07141571	0.460288186	1.375816618	0.726841054	0.158102687	2.911324256	0.003599003	0.070591107	lancl1	ZDB-GENE-040924-1	lancl1
ENS DARG00000069339	95.97808603	0.460030137	1.375570553	0.726971073	0.132662307	3.467677799	0.000524976	0.017434141	tbcd24	ZDB-GENE-050809-65	tbcd24
ENS DARG00000053447	97.03507812	0.458647083	1.37425248	0.727668325	0.144144483	3.181856658	0.001463342	0.037601355	ppp4r2b	ZDB-GENE-030131-3008	ppp4r2b
ENS DARG00000074686	121.7381421	0.458196921	1.373823741	0.723895413	0.140284278	3.266202937	0.001090001	0.029690365	oga	ZDB-GENE-030131-3208	oga
ENS DARG00000012574	69.56197194	0.457941822	1.373580842	0.728024132	0.156725427	2.921936996	0.003478619	0.069262099	slkb	ZDB-GENE-030131-1684	slkb
ENS DARG00000045277	84.75115779	0.457505785	1.373165756	0.728244202	0.161381269	2.834937345	0.004583467	0.083977142	rdh12l	ZDB-GENE-040801-48	rdh12l
ENS DARG00000061472	185.8334484	0.455867003	1.371606839	0.729071897	0.138195245	3.298716983	0.000971278	0.027440402	gba2	ZDB-GENE-070522-3	gba2
ENS DARG00000077751	59.7756294	0.451777704	1.367724543	0.7311741373	0.13306631	3.395132134	0.000685955	0.021139359	zbtb47a	ZDB-GENE-081104-121	zbtb47a
ENS DARG00000021242	847.8525474	0.450336087	1.366358524	0.731872333	0.143513485	3.137935697	0.001701422	0.041736674	mvp	ZDB-GENE-030826-33	mvp
ENS DARG00000077298	98.89225758	0.450109488	1.366143931	0.731987294	0.111345975	4.042440597	5.28977E-05	0.002749187	gas1a	ZDB-GENE-050302-155	gas1a
ENS DARG00000012776	75.27108668	0.448617695	1.364732025	0.732744584	0.143839534	3.118876173	0.001815422	0.043774759	smarca1	ZDB-GENE-070705-296	smarca1
ENS DARG00000073711	69.4915346	0.447811183	1.363969309	0.733194326	0.140280513	3.726154686	0.001944423	0.007931256	zgc:77486	ZDB-GENE-040426-2056	zgc:77486
ENS DARG00000018757	107.6757748	0.447699439	1.363863668	0.733211115	0.159719315	2.803038813	0.005062358	0.089987687	klf5l	ZDB-GENE-060312-34	klf5l
ENS DARG00000002336	147.9573465	0.445730768	1.362003837	0.734212322	0.137625753	3.238716295	0.001200689	0.031876312	dlc	ZDB-GENE-000125-4	dlc
ENS DARG00000008029	1145.093064	0.445578009	1.36185963	0.734290068	0.161069096	2.766378033	0.005668278	0.098696616	mep1a.2	ZDB-GENE-041001-208	mep1a.2
ENS DARG00000097496	56.04711334	0.445347851	1.361642385	0.734407221	0.131686159	3.381888079	0.000719895	0.021964548	si:dkey-6e2.2	ZDB-GENE-131121-72	si:dkey-6e2.2
ENS DARG00000038754	86.26769169	0.445212269	1.361514427	0.734476242	0.1510887	2.946694689	0.003211902	0.065420014	plk3	ZDB-GENE-030131-6134	plk3
ENS DARG00000062390	114.7583094	0.4423631	1.358828234	0.735928188	0.099245488	4.45726159	8.30133E-06	0.000565659	cdc42ep5	ZDB-GENE-030131-5813	cdc42ep5
ENS DARG00000042946	133.4456675	0.440066292	1.356666665	0.737100738	0.113143287	3.88946003	0.000100468	0.004715309	hook1	ZDB-GENE-041001-159	hook1
ENS DARG00000016623	98.8313342	0.439837768	1.356451785	0.737217504	0.143034118	3.07505491	0.002104638	0.047981574	si:ch211-195b13.1	ZDB-GENE-030131-7626	si:ch211-195b13.1
ENS DARG00000043923	103.9128459	0.438103464	1.354822136	0.738104267	0.126057938	3.475413527	0.000510066	0.017048214	sox9b	ZDB-GENE-001103-2	sox9b
ENS DARG00000078887	173.8782336	0.436759943	1.353561035	0.738791953	0.1496516	2.918511681	0.003517067	0.06973997	atp10d	ZDB-GENE-090313-231	atp10d
ENS DARG00000026137	73.78030629	0.432678266	1.349736948	0.740885105	0.142558363	3.035095646	0.002404594	0.052416734	sfxn5b	ZDB-GENE-050706-107	sfxn5b
ENS DARG000000086740	692.5823999	0.43051886	1.347718192	0.741994881	0.125598616	3.427735716	0.000608638	0.019240061	phyh	ZDB-GENE-050417-361	phyh
ENS DARG00000063511	127.9474893	0.428762451	1.346078411	0.742898773	0.142433519	3.01026369	0.00261021	0.056166829	si:ch211-15d5.11	ZDB-GENE-131121-177	si:ch211-15d5.11
ENS DARG00000060977	65.95056277	0.427640255	1.345031775	0.74347686	0.131978698	3.240221796	0.001194368	0.031800253	zgc:153018	ZDB-GENE-060929-752	zgc:153018
ENS DARG00000029242	41.45525739	0.425845693	1.343359735	0.744402243	0.154243183	2.760872051	0.005764726	0.099585406	fbxo3	ZDB-GENE-050522-269	fbxo3
ENS DARG00000053459	68.1157348	0.424120828	1.341754595	0.745292771	0.146923108	2.886685663	0.00389323	0.047889272	rypbp	ZDB-GENE-061103-96	rypbp
ENS DARG00000006120	107.7753953	0.421235531	1.339073853	0.7467848	0.130317557	3.232377432	0.001227648	0.032358547	tbx2b	ZDB-GENE-990726-27	tbx2b
ENS DARG00000102308	72.60954828	0.417705194	1.335801088	0.748614453	0.118309133	3.530625105	0.000414579	0.01445551	ttc39c	ZDB-GENE-050522-194	ttc39c
ENS DARG00000099175	444.9950011	0.415904693	1.334135032	0.749549316	0.092780537	4.482671769	7.37143E-06	0.000511772	hmgb1a	ZDB-GENE-030131-341	hmgb1a
ENS DARG00000016357	160.0477923	0.413114482	1.331557272	0.751000367	0.143698234	2.874875148	0.004041873	0.076504504	fmo5	ZDB-GENE-030131-6606	fmo5
ENS DARG00000042620	1601.330862	0.411779349	1.330325561	0.751695697	0.118170426	3.484622707	0.000492831	0.016545826	gstr	ZDB-GENE-090507-1	gstr
ENS DARG00000055502	205.8998881	0.411222234	1.329811938	0.75198603	0.100356387	4.09761897	4.17422E-05	0.002232478	cicb	ZDB-GENE-030131-1966	cicb
ENS DARG00000070513	63.87117232	0.409441197	1.32817127	0.752914946	0.124140942	3.298196322	0.000973081	0.027440402	brpf3a	ZDB-GENE-130530-730	brpf3a
ENS DARG00000009594	404.0589549	0.409151904	1.327904969	0.753065937	0.126710747	3.229022903	0.001242139	0.032693679	nr1d2b	ZDB-GENE-990415-244	nr1d2b
ENS DARG000000104242	60.860799	0.408865795	1.327641165	0.753215297	0.142584795	2.867527319	0.00436931	0.021323368	dcp2	ZDB-GENE-040426-851	dcp2
ENS DARG00000089043	139.0257451	0.4086621	1.327454213	0.753321651	0.133175993	3.068586849	0.002150738	0.048730638	ptpn6	ZDB-GENE-030131-7513	ptpn6
ENS DARG00000055722	149.6852118	0.40824037	1.327066227	0.753541895	0.122017595	3.345750015	0.000820603	0.024229849	bco2a	ZDB-GENE-030131-8039	bco2a
ENS DARG00000059906	223.710644	0.407950567	1.326799678	0.753693279	0.106185151	3.84187963	0.000122096	0.005519206	sdca	ZDB-GENE-061111-1	sdca
ENS DARG00000097863	38.8549584	0.407549299	1.326430696	0.753902939	0.144507593	2.820262188	0.004798443	0.086720772	si:dkeyp-84f3.9	ZDB-GENE-131127-66	si:dkeyp-84f3.9
ENS DARG00000092158	101.7062686	0.405313015	1.324376223	0.75507245	0.120912898	3.352107367	0.000801989	0.023875397	cbx3b	ZDB-GENE-070628-2	cbx3b
ENS DARG00000012140	117.3865113	0.400960063	1.320386289	0.757354123	0.117691647	3.406869321	0.000657126	0.020387522	ccn1b	ZDB-GENE-030131-4813	ccn1b
ENS DARG00000075608	53.70444602	0.400096065	1.319595776	0.757807821	0.139382119	2.870497786	0.004098261	0.077333128	mical2a	ZDB-GENE-110110-2	mical2a

ENSDARG00000035569	129.6478331	0.397931488	1.317617378	0.758945667	0.143035534	2.78204637	0.005401732	0.094919836	cyp1d1	ZDB-GENE-041114-179	cyp1d1
ENSDARG00000014333	93.24453271	0.39657336	1.316377579	0.759660462	0.128286505	3.091310029	0.001992754	0.04623291	ormdl1	ZDB-GENE-030616-529	ormdl1
ENSDARG00000071570	38.15592324	0.396521596	1.316330349	0.759687719	0.143366489	2.76578996	0.00567851	0.098696616	si:dkeyp-87e7.4	ZDB-GENE-030131-6208	si:dkeyp-87e7.4
ENSDARG00000088835	71.9143592	0.394415404	1.314410039	0.760797598	0.121075912	3.257587732	0.001123635	0.030424395	efs	ZDB-GENE-030131-1658	efs
ENSDARG00000103683	164.9015826	0.389030732	1.309513317	0.763642482	0.115901162	3.35657319	0.000789148	0.023607725	inpp5b	ZDB-GENE-110411-228	inpp5b
ENSDARG00000062489	101.48869	0.388044032	1.308618011	0.764164937	0.130854161	2.926775176	0.003424964	0.068491828	march8	ZDB-GENE-080204-8	march8
ENSDARG00000063229	158.5396273	0.386967943	1.307642292	0.764735132	0.133509372	2.898432792	0.003750327	0.07278324	xpo1b	ZDB-GENE-070530-6	xpo1b
ENSDARG00000070625	71.76494254	0.379378618	1.300781477	0.768768635	0.133104048	2.850241036	0.004368611	0.081185559	enpp5	ZDB-GENE-041014-10	enpp5
ENSDARG00000075014	214.5040443	0.379210806	1.30063018	0.768858062	0.110405979	3.434694476	0.000593222	0.018948095	sqstm1	ZDB-GENE-040426-2204	sqstm1
ENSDARG00000034080	131.6774956	0.378601966	1.300081409	0.769182601	0.11764538	3.218162644	0.001290146	0.03376403	plcd1b	ZDB-GENE-030131-9435	plcd1b
ENSDARG00000078772	141.7883888	0.37821285	1.299730806	0.769390089	0.10242073	3.692737284	0.000221853	0.00879667	nbr1b	ZDB-GENE-170215-1	nbr1b
ENSDARG00000063375	117.2170949	0.374163992	1.296088284	0.77155238	0.124446036	3.00663649	0.002641554	0.056576621	pter	ZDB-GENE-060825-190	pter
ENSDARG00000017624	6756.660011	0.366929033	1.289604812	0.77543135	0.100440106	3.653212314	0.00025898	0.009905847	krt4	ZDB-GENE-000607-83	krt4
ENSDARG00000041951	78.66074051	0.36356449	1.2866008	0.777241861	0.131056648	2.774101865	0.005535434	0.096899067	selenoo1	ZDB-GENE-030131-4485	selenoo1
ENSDARG00000037781	162.1277429	0.362937607	1.286041864	0.777579664	0.094857703	3.826126886	0.000130175	0.005757124	acss2	ZDB-GENE-040718-388	acss2
ENSDARG00000020926	231.299493	0.3620279	1.285231192	0.778070129	0.127221868	2.845642071	0.004432198	0.08187851	creb3l3l	ZDB-GENE-040426-2942	creb3l3l
ENSDARG00000076847	363.1847081	0.361516452	1.284775647	0.778346011	0.128272064	2.818356873	0.004827013	0.086895673	tnrc6c1	ZDB-GENE-030131-7440	tnrc6c1
ENSDARG00000022650	160.6772232	0.358043437	1.281686513	0.780221989	0.11331575	3.159697005	0.001579333	0.03947903	cyp2ad3	ZDB-GENE-041001-156	cyp2ad3
ENSDARG00000022280	300.5854786	0.358038191	1.281681853	0.780224826	0.08118178	4.410326938	1.03215E-05	0.000688023	brd2a	ZDB-GENE-990415-248	brd2a
ENSDARG00000013968	1988.689253	0.356243638	1.280088573	0.781195943	0.088588981	4.021308688	5.78757E-05	0.00295777	psap	ZDB-GENE-020108-1	psap
ENSDARG00000062096	179.9229733	0.347262683	1.272144616	0.786074152	0.116853199	2.971785853	0.002960731	0.06161938	pm20d1.2	ZDB-GENE-061013-637	pm20d1.2
ENSDARG00000099399	267.4575603	0.346247744	1.271249974	0.786627352	0.113475161	3.051308682	0.00278462	0.050504993	micu2	ZDB-GENE-030131-3374	micu2
ENSDARG00000061841	78.10861133	0.344600525	1.269799332	0.787526009	0.115148747	2.992655446	0.002765618	0.058497689	tiparp	ZDB-GENE-031002-47	tiparp
ENSDARG00000074245	214.028542	0.34098739	1.266623183	0.789500787	0.115829844	2.943864717	0.003241417	0.065822937	spen	ZDB-GENE-050309-70	spen
ENSDARG00000079104	53.51861546	0.33612259	1.262359294	0.792167495	0.120807275	2.782304214	0.005397442	0.094919836	mfhas1	ZDB-GENE-080917-20	mfhas1
ENSDARG00000071868	73.81933761	0.332851136	1.259500012	0.793965852	0.118963301	2.797931247	0.005143106	0.091158827	znf711	ZDB-GENE-081107-49	znf711
ENSDARG00000053291	1170.507551	0.329125649	1.256251787	0.796018768	0.100678544	3.269074374	0.001078999	0.029584844	pncr2	ZDB-GENE-030131-5475	pncr2
ENSDARG00000013095	167.1876694	0.328412587	1.25563103	0.796412303	0.105548991	3.111470637	0.00186158	0.04442198	gclcl	ZDB-GENE-030131-5056	gclcl
ENSDARG00000017320	178.4485525	0.324108973	1.251891016	0.798791578	0.104659802	3.096785649	0.001956313	0.045675435	f11r.1	ZDB-GENE-030131-2416	f11r.1
ENSDARG0000009688	623.2508451	0.318751756	1.247250939	0.801763277	0.091969394	3.46584598	0.000528566	0.01749021	tnrc6a	ZDB-GENE-030131-2519	tnrc6a
ENSDARG00000015449	169.6173559	0.317875916	1.246493981	0.802250163	0.100013701	3.178323698	0.001481293	0.037851144	fut8a	ZDB-GENE-031118-20	fut8a
ENSDARG00000097017	103.1399148	0.315800716	1.244702289	0.803404966	0.104399551	3.024924086	0.002486955	0.053956375	mical3a	ZDB-GENE-050126-2	mical3a
ENSDARG00000042751	183.6461862	0.315099354	1.244097328	0.803795634	0.102864109	3.063258483	0.002189409	0.049063019	riok3	ZDB-GENE-040801-133	riok3
ENSDARG0000004830	155.1315207	0.306845924	1.237000363	0.8084072	0.090695377	3.383258724	0.000716311	0.021927941	flot2a	ZDB-GENE-020430-3	flot2a
ENSDARG00000017115	96.68956891	0.306583537	1.236775407	0.808554241	0.103569734	2.960165333	0.00307474	0.063135116	kctd10	ZDB-GENE-040426-2843	kctd10
ENSDARG00000001910	266.1563054	0.303338003	1.233996244	0.810375238	0.106837918	2.839235457	0.004522177	0.083282303	rorab	ZDB-GENE-040426-855	rorab
ENSDARG00000055837	304.9824387	0.295542454	1.227346373	0.814765923	0.083863587	3.524085537	0.000424947	0.014723495	arhgef1b	ZDB-GENE-060616-136	arhgef1b
ENSDARG00000016573	195.9388618	0.28306253	1.216775095	0.821844566	0.088953389	3.182144412	0.001461889	0.037601355	mroh1	ZDB-GENE-090806-2	mroh1
ENSDARG00000062137	96.27542288	0.281924219	1.215815418	0.822493271	0.097815292	2.882210051	0.003948964	0.075290747	stag1b	ZDB-GENE-030131-1393	stag1b
ENSDARG0000009214	135.6056974	0.276576149	1.211316734	0.825547911	0.099582278	2.777363144	0.005480191	0.096114928	mfsd13a	ZDB-GENE-041212-83	mfsd13a
ENSDARG00000099614	169.3642868	0.275230554	1.210187472	0.826318255	0.096519984	2.851539587	0.004350807	0.081182702	purab	ZDB-GENE-141216-78	purab
ENSDARG00000016016	317.3360226	0.263151776	1.20090763	0.83326554	0.088230578	2.982546219	0.002858615	0.060106052	dbnlb	ZDB-GENE-050522-293	dbnlb
ENSDARG00000089302	185.4494855	0.259424665	1.197001255	0.835421012	0.092186643	2.814124226	0.004891032	0.087876185	hmrnpa0a	ZDB-GENE-030131-2249	hmrnpa0a
ENSDARG00000096457	133.6601791	0.258647862	1.196356917	0.835870956	0.090855188	2.846814448	0.004415909	0.081816616	si:dkey-118j18.2	ZDB-GENE-030131-8692	si:dkey-118j18.2
ENSDARG00000037998	348.7839763	0.250129756	1.189314077	0.840820788	0.065898562	3.795678532	0.00014724	0.006388974	flot1b	ZDB-GENE-020430-2	flot1b
ENSDARG0000004588	175.0406777	0.242528847	1.183064595	0.845262384	0.084273923	2.877863515	0.004003783	0.07586159	sox4a	ZDB-GENE-030131-8290	sox4a
ENSDARG00000027734	240.2951308	0.240126822	1.181096483	0.846670881	0.077031289	3.117236351	0.001328584	0.04378541	srsf5b	ZDB-GENE-040718-354	srsf5b
ENSDARG00000099999	198.204042	0.235770319	1.177535308	0.849231436	0.076757391	3.071630173	0.002128933	0.048475386	tcf3b	ZDB-GENE-051113-64	tcf3b
ENSDARG00000001015	137.3748048	0.233488057	1.175673987	0.850575935	0.08344037	2.798262477	0.005137834	0.091153205	znf384l	ZDB-GENE-030616-498	znf384l
ENSDARG00000052244	402.8425494	0.220400616	1.165057061	0.858327058	0.071349233	3.089039734	0.002008046	0.046412094	zgc:158564	ZDB-GENE-070112-1662	zgc:158564
ENSDARG00000027383	480.4186005	0.218586128	1.163592681	0.859607262	0.06732966	3.261361623	0.001108785	0.030132102	anxa11a	ZDB-GENE-030707-4	anxa11a
ENSDARG00000024844	278.4427977	-0.205968093	0.866956737	1.153460094	0.071101118	-2.896833386	0.003769499	0.073078231	max	ZDB-GENE-990415-152	max
ENSDARG00000021309	356.2814921	-0.211613216	0.86357105	1.157982311	0.072740711	-2.909144186	0.003624197	0.071009554	rhoca	ZDB-GENE-040426-1337	rhoca
ENSDARG00000025535	271.9374489	-0.216834156	0.860451537	1.162180502	0.076803136	-2.823246111	0.004754006	0.086171632	clint1a	ZDB-GENE-030131-2590	clint1a

ENSDARG00000052975	487.7957303	-0.256545991	0.837089629	1.194615207	0.080686759	-3.179530268	0.00147514	0.037746341	ubqln4	ZDB-GENE-030131-6269	ubqln4
ENSDARG00000007294	1362.934794	-0.257983873	0.836255748	1.19580643	0.091804988	-2.810129157	0.004952162	0.088370399	aco2	ZDB-GENE-030131-1390	aco2
ENSDARG00000035741	423.1230525	-0.266232394	0.831488149	1.202662962	0.093655547	-2.842676206	0.004473649	0.082471144	slc25a11	ZDB-GENE-040625-79	slc25a11
ENSDARG00000038910	230.7694175	-0.278467384	0.824466406	1.212905696	0.098991336	-2.81304805	0.004907432	0.087998956	pccb	ZDB-GENE-040426-2467	pccb
ENSDARG00000022788	95.5545539	-0.289436888	0.818221364	1.222163151	0.096438326	-3.001264128	0.002688612	0.057251264	cops7a	ZDB-GENE-030131-8680	cops7a
ENSDARG00000063912	29288.28351	-0.290130562	0.817828043	1.22275093	0.093770921	-3.094035526	0.001974538	0.045868128	mt-co3	ZDB-GENE-011205-16	mt-co3
ENSDARG00000038075	604.1507015	-0.291525874	0.817037458	1.223934094	0.093312487	-3.124189291	0.001782957	0.043161639	cyc1	ZDB-GENE-031105-2	cyc1
ENSDARG00000058953	384.7915252	-0.296358649	0.814305105	1.228040933	0.104661256	-2.831598445	0.004631597	0.08461979	abcc4	ZDB-GENE-030616-511	abcc4
ENSDARG00000054191	1571.583033	-0.301459126	0.811431308	1.232390209	0.089138366	-3.381923406	0.000719802	0.021964548	pgk1	ZDB-GENE-040426-2711	pgk1
ENSDARG00000003699	145.6960211	-0.301556788	0.811376381	1.232473638	0.103903106	-2.902288487	0.003704472	0.072045328	atp7a	ZDB-GENE-060825-45	atp7a
ENSDARG00000059925	230.2661123	-0.303525745	0.810269789	1.234156837	0.104128588	-2.914912702	0.00355788	0.070150598	usp24	ZDB-GENE-030131-4356	usp24
ENSDARG00000055092	132.8066616	-0.307080146	0.808275965	1.237201207	0.097158069	-3.160624212	0.001574315	0.03947903	pora	ZDB-GENE-050809-121	pora
ENSDARG00000015374	86.35663175	-0.307543706	0.808016296	1.237598803	0.104384364	-2.946262211	0.003216396	0.065420014	st3gal3a	ZDB-GENE-040426-1322	st3gal3a
ENSDARG00000042252	193.3645255	-0.307558468	0.808008028	1.237611466	0.098657947	-3.117422133	0.001824401	0.04478541	eif4h	ZDB-GENE-010328-19	eif4h
ENSDARG00000054849	122.2353631	-0.310722118	0.806238109	1.240328371	0.100541728	-3.09047918	0.001998338	0.04629177	bcat2	ZDB-GENE-040718-425	bcat2
ENSDARG00000015918	425.3102712	-0.313200958	0.804854019	1.242461337	0.104131509	-3.007744363	0.002631944	0.056449688	dlat	ZDB-GENE-030131-2921	dlat
ENSDARG00000033443	89.65560614	-0.31607369	0.803252967	1.244937822	0.101036452	-3.128313434	0.001758126	0.042735141	mdm2	ZDB-GENE-990415-153	mdm2
ENSDARG00000057719	160.2508839	-0.319269591	0.801475547	1.247698703	0.115134255	-2.773020485	0.00553862	0.097037	at12	ZDB-GENE-030131-6505	at12
ENSDARG00000079504	348.5078525	-0.321766739	0.80008948	1.249860203	0.111752875	-2.879270341	0.003985965	0.07571316	mfn2	ZDB-GENE-081105-44	mfn2
ENSDARG00000067805	222.5567342	-0.322442627	0.799714734	1.250445887	0.112265535	-2.872142611	0.004076989	0.077010729	ggcx	ZDB-GENE-030826-27	ggcx
ENSDARG00000006251	407.7074962	-0.32614982	0.797662401	1.253663203	0.103212693	-3.159977802	0.001577812	0.03947903	ell2	ZDB-GENE-030131-1717	ell2
ENSDARG00000067736	92.92243022	-0.328166943	0.796547917	1.255417255	0.105563609	-3.108712811	0.001879043	0.044607261	ano10a	ZDB-GENE-050913-43	ano10a
ENSDARG00000058693	1360.92534	-0.331360755	0.794786485	1.258199553	0.090427718	-3.664371508	0.000247947	0.009685187	cast	ZDB-GENE-050810-2	cast
ENSDARG00000043970	335.7961559	-0.332982192	0.79389373	1.259614432	0.112182251	-2.968225276	0.002995247	0.062126897	lrpprc	ZDB-GENE-030131-7887	lrpprc
ENSDARG00000074168	280.8661395	-0.33358332	0.793563007	1.260139385	0.08934229	-3.733767293	0.000188637	0.007764071	tasor2	ZDB-GENE-041111-225	tasor2
ENSDARG00000061952	167.3007391	-0.334446122	0.79308856	1.260893235	0.101539611	-3.293750261	0.000988603	0.02726092	ecpas	ZDB-GENE-061207-66	ecpas
ENSDARG00000058348	350.0905933	-0.336522997	0.791947667	1.262709699	0.106655914	-3.15522116	0.001603765	0.039981119	scin1b	ZDB-GENE-040426-2068	scin1b
ENSDARG00000022372	967.9206749	-0.336788414	0.791801983	1.262942025	0.119882477	-2.809321444	0.004964605	0.088506591	kng1	ZDB-GENE-041010-56	kng1
ENSDARG00000045516	2079.586688	-0.339824564	0.790137389	1.265602684	0.120890938	-2.81100114	0.004938761	0.08834142	itih2	ZDB-GENE-040426-1942	itih2
ENSDARG000000063031	103.9649525	-0.341737428	0.789090443	1.267281854	0.111812133	-3.056353715	0.002240468	0.049963789	rad54l2	ZDB-GENE-030131-3097	rad54l2
ENSDARG00000010113	393.5168645	-0.342859098	0.788477177	1.268267527	0.115475207	-2.969114398	0.002986594	0.06201733	ndufb8	ZDB-GENE-040426-1858	ndufb8
ENSDARG00000040988	1388.061511	-0.346612346	0.786428578	1.271571288	0.102814705	-3.371233207	0.000748325	0.022674496	tpi1b	ZDB-GENE-020416-4	tpi1b
ENSDARG00000052330	154.344584	-0.348561759	0.78536665	1.273290635	0.114115615	-3.054461548	0.002254649	0.050158446	slc4a2b	ZDB-GENE-030429-14	slc4a2b
ENSDARG00000021208	794.9048793	-0.361907312	0.778135167	1.28512377	0.121680556	-2.974241109	0.002937142	0.061267048	fabp3	ZDB-GENE-020318-2	fabp3
ENSDARG00000090389	104.2152916	-0.366142414	0.775854263	1.288901857	0.12300231	-2.976711694	0.002913579	0.060844516	ndufv3	ZDB-GENE-030131-6500	ndufv3
ENSDARG00000019332	242.184255	-0.3685284	0.774572185	1.291035257	0.125895521	-2.927255845	0.003419674	0.068491828	ndufb4	ZDB-GENE-040426-1973	ndufb4
ENSDARG00000037960	137.8303373	-0.37450208	0.771371592	1.296392051	0.112952869	-3.315560569	0.000914595	0.026291754	lrrc17	ZDB-GENE-030131-9774	lrrc17
ENSDARG00000039007	3661.598659	-0.37760052	0.769716714	1.299179272	0.126289627	-2.989956738	0.00279017	0.058936327	eno3	ZDB-GENE-031006-5	eno3
ENSDARG00000031100	523.694031	-0.38290857	0.76688993	1.303968094	0.099728095	-3.839525557	0.000123272	0.005531619	ivns1abpa	ZDB-GENE-031222-2	ivns1abpa
ENSDARG00000074169	106.2479695	-0.383454149	0.766599972	1.304461305	0.13282069	-2.887006144	0.003889266	0.074689927	gpam	ZDB-GENE-101026-1	gpam
ENSDARG00000025218	78.43560954	-0.385234372	0.765654605	1.306071947	0.130102543	-2.961005695	0.003066363	0.063135116	myo5ab	ZDB-GENE-050411-72	myo5ab
ENSDARG00000063899	12765.10769	-0.386101728	0.765194427	1.3068574	0.122773789	-3.144822113	0.001661878	0.041049841	mt-nd2	ZDB-GENE-011205-8	mt-nd2
ENSDARG00000021208	528.80523	-0.38642904	0.765020843	1.307153928	0.129461578	-2.984893629	0.00283677	0.059783374	serpind1	ZDB-GENE-030711-2	serpind1
ENSDARG00000032619	799.8746877	-0.386430009	0.765020329	1.307154806	0.108202675	-3.57135355	0.000355141	0.012861981	tob1a	ZDB-GENE-031030-4	tob1a
ENSDARG00000057805	86.45071668	-0.389916565	0.76317374	1.310317622	0.138298257	-2.819388856	0.004811519	0.086786596	mrpl28	ZDB-GENE-050522-113	mrpl28
ENSDARG00000035918	152.4952868	-0.390599379	0.762812622	1.31093793	0.129867621	-3.007673316	0.00263256	0.056449688	bwz2	ZDB-GENE-040426-746	bwz2
ENSDARG00000037860	509.9740264	-0.396149653	0.75988836	1.315991028	0.127004032	-3.119189582	0.001813492	0.043774759	cox6b2	ZDB-GENE-040426-1566	cox6b2
ENSDARG00000098955	79.82279428	-0.397781912	0.759024357	1.317480777	0.140566807	-2.829842414	0.004657094	0.085001199	ssh2b	ZDB-GENE-081205-4	ssh2b
ENSDARG000000101849	443.5503324	-0.398336684	0.758732539	1.317987496	0.134304405	-2.96592419	0.003017749	0.062368171	adipor2	ZDB-GENE-041210-60	adipor2
ENSDARG00000004692	97.67011629	-0.398499961	0.758646674	1.318136669	0.135263271	-2.946106195	0.003218019	0.065420014	nabp1a	ZDB-GENE-041212-71	nabp1a
ENSDARG000000017571	272.3667617	-0.402128417	0.756741034	1.321456026	0.100692982	-3.9936092	6.50751E-05	0.003262266	mccc2	ZDB-GENE-040426-2493	mccc2
ENSDARG0000009865	453.9356124	-0.40292812	0.75632168	1.322188727	0.142702463	-2.823554074	0.004749441	0.086171632	hnrnpabb	ZDB-GENE-040426-2516	hnrnpabb
ENSDARG00000076381	306.7560263	-0.403354216	0.756098336	1.32257929	0.131115531	-3.076326764	0.00209568	0.047841158	slc25a1b	ZDB-GENE-130114-1	slc25a1b
ENSDARG00000040705	133.8690063	-0.404016276	0.755751438	1.323186367	0.122820064	-3.289497369	0.001003665	0.027958282	glsb	ZDB-GENE-030616-550	glsb

ENSDARG00000101076	115.8625833	-0.405534216	0.754956688	1.324579299	0.126379036	-3.208872527	0.001332566	0.034824633	irx3a	ZDB-GENE-991119-5	irx3a
ENS DARG00000076547	95.90303187	-0.405839771	0.754796809	1.324859867	0.14018637	-2.895001638	0.003791566	0.073197506	si:ch211-221f10.2	ZDB-GENE-140106-124	si:ch211-221f10.2
ENS DARG00000075768	363.27511	-0.40769764	0.753825425	1.326567089	0.095878165	-4.252246988	2.11636E-05	0.001280817	sdhb	ZDB-GENE-030131-8005	sdhb
ENS DARG00000093448	247.2944668	-0.408424669	0.753445639	1.327235766	0.116256282	-3.513140656	0.000442843	0.015285976	mpc1	ZDB-GENE-040718-94	mpc1
ENS DARG00000038768	134.2940925	-0.411509587	0.751836266	1.330076833	0.138049313	-2.980888332	0.002874136	0.060294583	mrpl12	ZDB-GENE-050417-187	mrpl12
ENS DARG00000044980	68.39432323	-0.411908306	0.751628509	1.330444479	0.12570398	-3.27681196	0.001049863	0.002942732	kpna6	ZDB-GENE-130530-626	kpna6
ENS DARG00000006290	316.4798667	-0.412547754	0.751295437	1.331034305	0.122181686	-3.376510576	0.000734115	0.022324392	ndufs5	ZDB-GENE-050522-437	ndufs5
ENS DARG00000014059	51.35091304	-0.413478063	0.750811127	1.331892887	0.149595979	-2.763965092	0.005710365	0.099112539	cldn5b	ZDB-GENE-041010-140	cldn5b
ENS DARG00000045262	83.60650846	-0.415339539	0.749842998	1.333612507	0.14297421	-2.904996223	0.003672575	0.071576314	gsnb	ZDB-GENE-030131-8567	gsnb
ENS DARG00000043608	121.8086028	-0.418194458	0.748360616	1.336254178	0.145810699	-2.868064294	0.004129916	0.077823368	eif4ebp1	ZDB-GENE-030131-2332	eif4ebp1
ENS DARG00000089204	126.3698397	-0.420373729	0.74723103	1.338274188	0.123916747	-3.392388346	0.000692862	0.021316502	smim13	ZDB-GENE-141212-279	smim13
ENS DARG00000014577	87.40177329	-0.420560775	0.747134157	1.338447707	0.14591663	-2.882199066	0.003949102	0.075290747	rhpn2	ZDB-GENE-030131-9927	rhpn2
ENS DARG00000035990	397.5780914	-0.422646694	0.746054695	1.340384301	0.143843318	-2.938243491	0.003300777	0.066660472	cited4a	ZDB-GENE-030131-7661	cited4a
ENS DARG00000075192	63.9829865	-0.422854468	0.745947257	1.340577353	0.137869351	-3.067066503	0.002161708	0.048901399	yme111a	ZDB-GENE-091113-41	yme111a
ENS DARG00000059610	67.30614306	-0.423104828	0.745817819	1.340810013	0.133559262	-3.167918279	0.001535347	0.03885462	gpr146	ZDB-GENE-050823-3	gpr146
ENS DARG00000035810	221.6558281	-0.425191938	0.744739644	1.342751132	0.114839497	-3.702488682	0.000213495	0.008520345	rgcc	ZDB-GENE-040704-31	rgcc
ENS DARG00000098215	83.44535696	-0.426029209	0.744307558	1.343530627	0.146308743	-2.911850648	0.003592944	0.070547471	BICD2		
ENS DARG00000037748	172.8690385	-0.429605174	0.74246495	1.346864927	0.125320902	-3.42804086	0.000607954	0.019240061	slc43a1b	ZDB-GENE-070209-173	slc43a1b
ENS DARG00000013044	187.838707	-0.431852541	0.741309271	1.348964648	0.114017911	-3.787585086	0.000152119	0.006585125	ndufv2	ZDB-GENE-040426-1713	ndufv2
ENS DARG00000039677	365.3452885	-0.433148619	0.740643598	1.350177067	0.142037127	-3.049545061	0.002291882	0.050741341	dsc2l	ZDB-GENE-031116-55	dsc2l
ENS DARG00000018111	56.1845452	-0.435655418	0.739357787	1.352525147	0.14071837	-3.095938486	0.001961911	0.045710357	kdm7aa	ZDB-GENE-030131-9829	kdm7aa
ENS DARG00000021439	691.9110344	-0.437563002	0.738380828	1.354314688	0.101077804	-4.328972172	1.49807E-05	0.000953684	ncoa4	ZDB-GENE-040426-689	ncoa4
ENS DARG00000043587	150.590179	-0.437868693	0.73822439	1.354601682	0.127916201	-3.423090186	0.000619135	0.019538339	srd5a2a	ZDB-GENE-050417-199	srd5a2a
ENS DARG00000016875	430.5495735	-0.439199582	0.73754369	1.355851882	0.117723356	-3.730776925	0.00019089	0.007839281	gys1	ZDB-GENE-040426-1243	gys1
ENS DARG00000002071	124.890102	-0.440614258	0.736820825	1.357182054	0.142277118	-3.096873666	0.001955732	0.046575435	adss	ZDB-GENE-050417-337	adss
ENS DARG00000013841	77.82676265	-0.441439739	0.736399351	1.357958828	0.11199537	-3.941589183	8.09495E-05	0.00393968	abl2	ZDB-GENE-020809-2	abl2
ENS DARG00000075709	125.914652	-0.441508836	0.736364083	1.358023868	0.144121872	-3.063440887	0.002188074	0.049063019	ndufb3	ZDB-GENE-091204-407	ndufb3
ENS DARG00000062799	49.37782159	-0.441589401	0.736322963	1.358099707	0.151959977	-2.905958605	0.003661299	0.071508042	baiap2a	ZDB-GENE-060421-2756	baiap2a
ENS DARG00000060196	45.09951733	-0.441687574	0.736272859	1.358192127	0.158308333	-2.790046269	0.005270051	0.093229228	lhpp	ZDB-GENE-070615-43	lhpp
ENS DARG00000043457	8660.890259	-0.442275121	0.735973068	1.358745371	0.124295327	-3.55826023	0.000373319	0.013362509	gapdh	ZDB-GENE-030115-1	gapdh
ENS DARG00000042684	1398.716342	-0.44261982	0.735797245	1.359070052	0.125515517	-3.526415137	0.000421226	0.014649751	serpinc1	ZDB-GENE-030131-264	serpinc1
ENS DARG00000095273	232.2720518	-0.443087043	0.735558993	1.359510264	0.160208389	-2.765691892	0.005680217	0.098696616	cox8a	ZDB-GENE-030131-9136	cox8a
ENS DARG00000097804	91.67183894	-0.443534067	0.735331113	1.359931578	0.148646203	-2.983823728	0.002846707	0.059924163	lypc	ZDB-GENE-131127-361	lypc
ENS DARG000000492954	81.88151698	-0.447443083	0.733341412	1.363621341	0.150819716	-2.966741317	0.003009741	0.062357217	mrpl34	ZDB-GENE-070912-582	mrpl34
ENS DARG00000029995	8993.102577	-0.447736057	0.733192505	1.363898285	0.149098623	-3.002952326	0.002673743	0.057000609	tnni2b.2	ZDB-GENE-040801-9	tnni2b.2
ENS DARG00000061994	748.3631622	-0.447796832	0.733161619	1.363955742	0.138379632	-3.236002477	0.001212163	0.032103989	acacb	ZDB-GENE-060526-132	acacb
ENS DARG000000105040	60.07738279	-0.450406863	0.731836429	1.366425556	0.153884747	-2.926910384	0.003423475	0.068491828	dipk1c	ZDB-GENE-030131-8001	dipk1c
ENS DARG00000063914	1444.155945	-0.452962755	0.730541049	1.368848474	0.138669805	-3.266484394	0.001088918	0.029690365	mt-nd3	ZDB-GENE-011205-9	mt-nd3
ENS DARG000000102362	174.7170902	-0.453020829	0.730511642	1.368903577	0.112261994	-4.035389115	5.45119E-05	0.002819274	slc25a12	ZDB-GENE-031006-11	slc25a12
ENS DARG00000044251	56.67031596	-0.454651792	0.729686268	1.370451993	0.132622724	-3.428159051	0.000607689	0.019240061	rasgef1bb	ZDB-GENE-040801-220	rasgef1bb
ENS DARG00000020956	1841.84982	-0.457271324	0.728362563	1.372942613	0.121379453	-3.767287735	0.000165031	0.006995935	pck2	ZDB-GENE-040426-2266	pck2
ENS DARG00000017180	298.0362864	-0.457606877	0.728193174	1.37326198	0.104723261	-4.369677511	1.2443E-05	0.000814685	npc1	ZDB-GENE-030131-3161	npc1
ENS DARG000000016188	182.8431492	-0.457967726	0.72801106	1.373605505	0.118271422	-3.872175707	0.000107868	0.004998887	SBN02	ZDB-GENE-091204-463	si:ch73-63e15.2
ENS DARG00000035869	920.6705713	-0.45845824	0.72776358	1.374072608	0.08897857	-5.152456798	2.57096E-07	2.79885E-05	azin1b	ZDB-GENE-030121-1	azin1b
ENS DARG000000103220	116.2506503	-0.458651443	0.727666125	1.374256634	0.160890989	-2.850696894	0.004362353	0.081185559	slc10a3	ZDB-GENE-040426-2347	slc10a3
ENS DARG00000025549	105.0496044	-0.4631438	0.725403796	1.378542552	0.145338312	-3.186660096	0.001439258	0.030708609	ndufaf1	ZDB-GENE-050306-9	ndufaf1
ENS DARG00000015164	628.6450649	-0.46318807	0.725381537	1.378584854	0.116712355	-3.053067559	0.002265149	0.050270468	mknk2b	ZDB-GENE-030829-2	mknk2b
ENS DARG00000007285	57.77791258	-0.463835581	0.725056044	1.37920373	0.162962606	-2.846270027	0.004423467	0.081874186	mrpl57	ZDB-GENE-040426-1745	mrpl57
ENS DARG00000062837	164.967784	-0.465989979	0.723974115	1.381264854	0.133348074	-3.494538497	0.000474882	0.016239889	spata13	ZDB-GENE-091116-25	spata13
ENS DARG00000099499	825.1294757	-0.466485009	0.723725741	1.381738887	0.117147429	-3.982033703	6.83281E-05	0.003416033	ndufa4l	ZDB-GENE-040426-2756	ndufa4l
ENS DARG00000007836	644.5799523	-0.467067013	0.723433839	1.382296413	0.116600054	-4.005701957	6.18336E-05	0.003133923	ctsla	ZDB-GENE-030131-106	ctsla
ENS DARG00000005423	352.7513495	-0.468831346	0.722549662	1.383987915	0.118079663	-3.970466482	7.1732E-05	0.003547651	pgam1a	ZDB-GENE-030131-1827	pgam1a
ENS DARG000000034105	131.4916812	-0.471357665	0.721285504	1.386413555	0.148172323	-3.181145129	0.001466941	0.037641262	mtus1b	ZDB-GENE-070619-5	mtus1b
ENS DARG00000059391	233.7916108	-0.472348092	0.720790503	1.387365671	0.14271451	-3.309741183	0.000933823	0.026636389	gyg1b	ZDB-GENE-040625-30	gyg1b

ENS DARG00000103522	105.0861129	-0.473562226	0.72018416	1.388533733	0.149868632	-3.159848864	0.00157851	0.03947903	si:zfos-943e10.1	ZDB-GENE-030131-5694	si:zfos-943e10.1
ENS DARG00000044601	1236.869207	-0.47626641	0.718835513	1.391138837	0.085452123	-5.573488353	2.49688E-08	3.67501E-06	rtn4a	ZDB-GENE-030710-1	rtn4a
ENS DARG00000104555	49.03429044	-0.479096327	0.717426864	1.393870303	0.1620261	-2.956908348	0.003107405	0.063451755	sh2d3cb	ZDB-GENE-040426-1052	sh2d3cb
ENS DARG00000053571	58.69547051	-0.482230877	0.7158698	1.396902063	0.17451875	-2.763203826	0.005723701	0.09925038	adob	ZDB-GENE-040426-2267	adob
ENS DARG00000063895	10317.81768	-0.483044299	0.715466291	1.397689888	0.115537917	-4.180829205	2.90448E-05	0.001659522	mt-nd1	ZDB-GENE-011205-7	mt-nd1
ENS DARG00000039997	250.6079501	-0.485259795	0.714368417	1.399837921	0.134752192	-3.601127283	0.00031684	0.011752479	ptp4a3	ZDB-GENE-040426-2220	ptp4a3
ENS DARG00000016545	82.18082003	-0.486247974	0.713879276	1.400797073	0.142703139	-3.4074091	0.000655827	0.020387522	zgc:154046	ZDB-GENE-061103-289	zgc:154046
ENS DARG00000030530	582.4531247	-0.486397122	0.713805478	1.400941897	0.13757346	-3.535544738	0.000406935	0.014260564	slc22a2	ZDB-GENE-040426-2167	slc22a2
ENS DARG00000037281	2314.720267	-0.486625516	0.713692484	1.401163699	0.136959873	-3.553051756	0.00038079	0.013562101	fgg	ZDB-GENE-040426-1998	fgg
ENS DARG000000104696	63.14260866	-0.490927273	0.7115676	1.405347854	0.150712828	-3.257368864	0.001124502	0.030424395	apooa	ZDB-GENE-031118-91	apooa
ENS DARG00000041797	1278.06918	-0.491306208	0.711380726	1.405717028	0.128521725	-3.822748316	0.000131972	0.005822613	cx28.9	ZDB-GENE-041114-200	cx28.9
ENS DARG00000039605	1217.452887	-0.491902812	0.711086606	1.406298461	0.128012794	-3.842606631	0.000121734	0.005516432	mat1a	ZDB-GENE-030131-6127	mat1a
ENS DARG00000089836	64.51695224	-0.492437613	0.710823059	1.406819866	0.146235375	-3.367431524	0.000758719	0.022921028	MRPs12	ZDB-GENE-091204-48	si:dkey-17e16.10
ENS DARG00000070394	295.1594004	-0.492863087	0.710613456	1.407234822	0.157559267	-3.12811233	0.001759329	0.042735141	uroc1	ZDB-GENE-081022-148	uroc1
ENS DARG00000006422	50.23818782	-0.493774012	0.710164913	1.408123637	0.177822586	-2.776778942	0.00549005	0.09619614	esy3	ZDB-GENE-050809-35	esy3
ENS DARG00000008310	118.5000613	-0.494907573	0.709607138	1.409230469	0.111642924	-4.432950652	9.29521E-06	0.000626423	ip6k2a	ZDB-GENE-030131-760	ip6k2a
ENS DARG00000076592	112.6757034	-0.495543373	0.709294481	1.409851658	0.129660589	-3.821850396	0.000132454	0.005829879	man1b1b	ZDB-GENE-070705-482	man1b1b
ENS DARG00000029751	100.1243857	-0.497277092	0.708442618	1.411546927	0.144397283	-3.443811969	0.000573574	0.042735141	wbp11b	ZDB-GENE-050522-112	wbp11b
ENS DARG00000055592	156.1082086	-0.498272068	0.707954198	1.412520757	0.143187993	-3.479845335	0.000501703	0.016813001	capn2b	ZDB-GENE-050522-84	capn2b
ENS DARG00000035835	216.6337969	-0.499083818	0.707555971	1.413315752	0.113549009	-4.395316357	1.10612E-05	0.000732026	eef2k	ZDB-GENE-020916-2	eef2k
ENS DARG00000005104	140.5162141	-0.499598363	0.707303662	1.413819909	0.112537699	-4.439386673	9.02156E-06	0.000612467	limk2	ZDB-GENE-040718-398	limk2
ENS DARG00000034470	1706.75835	-0.501393393	0.706421169	1.41546927	0.147074935	-3.409101582	0.000651772	0.020328844	aldoab	ZDB-GENE-040426-2299	aldoab
ENS DARG00000076118	40.66290858	-0.50215736	0.706050187	1.416329914	0.150907127	-3.327592079	0.000876	0.025380558	cdip1	ZDB-GENE-070720-18	cdip1
ENS DARG00000016649	142.6737456	-0.504089803	0.705105089	1.418228313	0.148868485	-3.386141815	0.000708827	0.021771297	akr7a3	ZDB-GENE-040718-62	akr7a3
ENS DARG00000063572	867.7332935	-0.504504165	0.704902602	1.418635706	0.111854106	-4.510376817	6.47126E-06	0.000465071	perp	ZDB-GENE-050104-1	perp
ENS DARG00000036414	495.7396749	-0.504550448	0.704879988	1.418681218	0.144789813	-3.484709568	0.000492671	0.016545826	si:ch73-335121.1	ZDB-GENE-130530-591	si:ch73-335121.1
ENS DARG00000033182	83.66549514	-0.505071261	0.704625572	1.419193454	0.171825334	-2.939445832	0.003287997	0.066475358	arl4ab	ZDB-GENE-030219-167	arl4ab
ENS DARG00000102822	76.27704738	-0.505530655	0.704401236	1.419645437	0.146131229	-3.459429299	0.000541321	0.017732747	pam16	ZDB-GENE-040426-1776	pam16
ENS DARG00000039093	1349.623767	-0.506338107	0.704007104	1.420440211	0.108725598	-4.657027561	3.20808E-06	0.000252231	got1	ZDB-GENE-040426-2003	got1
ENS DARG00000061242	186.1663469	-0.506637498	0.703861023	1.420735014	0.165819817	-3.055349515	0.002247984	0.05007071	tuft1a	ZDB-GENE-061103-184	tuft1a
ENS DARG00000099448	80.80461144	-0.507205617	0.703583904	1.421294596	0.134066308	-3.783244471	0.000154797	0.006669695	sh3d21	ZDB-GENE-051120-57	sh3d21
ENS DARG00000099148	210.9530256	-0.507875009	0.703257525	1.421954211	0.175077161	-2.900863855	0.003721355	0.072297247	bzw1b	ZDB-GENE-040426-2881	bzw1b
ENS DARG00000101778	187.6060301	-0.508007169	0.703193106	1.422084477	0.148506249	-3.420779738	0.000624419	0.019671331	ca5a	ZDB-GENE-080220-57	ca5a
ENS DARG00000035332	36.21449263	-0.508242767	0.703078281	1.422316729	0.164629396	-3.087193288	0.002020562	0.046584328	cfap298	ZDB-GENE-040930-8	cfap298
ENS DARG00000003017	84.11291049	-0.510729382	0.701867506	1.424770333	0.128378008	-3.978324542	6.94026E-05	0.003450997	ube2al	ZDB-GENE-030131-4195	ube2al
ENS DARG00000039346	131.8732719	-0.511035303	0.701718692	1.425072485	0.134427854	-3.801558156	0.000143789	0.006268791	ndufa5	ZDB-GENE-050320-17	ndufa5
ENS DARG00000063435	84.29200412	-0.511757374	0.701367568	1.425785915	0.157731889	-3.244476297	0.001176668	0.031511412	trpm4b.2	ZDB-GENE-061214-2	trpm4b.2
ENS DARG00000062562	69.37983158	-0.513352109	0.700592715	1.42736283	0.182652028	-2.810546992	0.004945737	0.08834142	egl2	ZDB-GENE-060503-757	egl2
ENS DARG00000001950	1128.068685	-0.513424906	0.700557364	1.427434855	0.133373403	-3.849529923	0.000118345	0.005400367	ak1	ZDB-GENE-040822-37	ak1
ENS DARG00000055705	1387.073482	-0.517247864	0.698703434	1.431222391	0.150195056	-3.44384082	0.000573513	0.018513373	f5	ZDB-GENE-030131-5531	f5
ENS DARG00000029230	781.4975609	-0.518770501	0.697966403	1.432733718	0.156531364	-3.314163297	0.000919178	0.026382275	pnp4b	ZDB-GENE-040426-1887	pnp4b
ENS DARG00000039915	34.13136119	-0.519043595	0.697834295	1.433004952	0.173792582	-2.986569331	0.002821269	0.059524885	bola1	ZDB-GENE-040801-76	bola1
ENS DARG00000070844	4344.925202	-0.519504142	0.697611563	1.433462478	0.158499341	-3.277642285	0.00104678	0.028916893	gamt	ZDB-GENE-051030-97	gamt
ENS DARG00000018441	77.95939672	-0.520359158	0.697198245	1.434312274	0.13377659	-3.889762455	0.000100342	0.004715309	heg1	ZDB-GENE-040714-1	heg1
ENS DARG00000027316	209.7116264	-0.52225841	0.696281014	1.436201735	0.145785722	-3.582370099	0.000340491	0.01242927	tcp11l2	ZDB-GENE-040426-1956	tcp11l2
ENS DARG00000058053	637.1191627	-0.523530027	0.69566757	1.437468186	0.163596596	-3.200127872	0.001373666	0.035695921	serping1	ZDB-GENE-030131-1262	serping1
ENS DARG00000043394	29.15709852	-0.523663735	0.695603099	1.437601416	0.172718993	-3.031882743	0.002430336	0.052915172	si:dkey-71h2.2	ZDB-GENE-041014-145	si:dkey-71h2.2
ENS DARG00000105214	95.15185195	-0.524517297	0.695191671	1.438452216	0.127655103	-4.108862752	3.97612E-05	0.00215155	agtpbp1	ZDB-GENE-081104-267	agtpbp1
ENS DARG00000104138	58.2354128	-0.525653009	0.694644621	1.439585034	0.186422709	-2.819683349	0.004807106	0.086786596	igfbp7	ZDB-GENE-040426-2423	igfbp7
ENS DARG00000005799	113.8297985	-0.526004684	0.694475313	1.439935993	0.11376549	-4.623587371	3.7716E-06	0.000289124	smim14	ZDB-GENE-040426-22	smim14
ENS DARG00000012968	185.9436121	-0.526159177	0.694400948	1.440090199	0.101717083	-5.172770987	2.30648E-07	2.5563E-05	rhoub	ZDB-GENE-050417-308	rhoub
ENS DARG00000058094	294.2737347	-0.528676632	0.693190298	1.442605303	0.130606717	-4.047851785	5.16899E-05	0.0027249	ciarta	ZDB-GENE-030131-7016	ciarta
ENS DARG00000061391	64.09332042	-0.530848862	0.692147364	1.444779033	0.167544237	-3.168410161	0.001532751	0.038842362	grhl1	ZDB-GENE-030131-3665	grhl1
ENS DARG00000040565	18352.84411	-0.531196305	0.691980695	1.44512702	0.175552852	-3.025848337	0.002479366	0.053855232	ckmb	ZDB-GENE-040426-2128	ckmb

ENSDARG00000101251	1274.265908	-0.533330936	0.690957588	1.447266833	0.132300028	-4.031223158	5.54873E-05	0.002847135	ldha	ZDB-GENE-991026-5	ldha
ENSDARG00000097877	164.6195781	-0.535659028	0.689843482	1.449604187	0.127658193	-4.196041139	2.71621E-05	0.00157643	si:ch211-167b20.8	ZDB-GENE-081104-147	si:ch211-167b20.8
ENSDARG00000103991	142.7446227	-0.536825389	0.689285996	1.450776608	0.133176493	-4.030932027	5.55561E-05	0.002847135	sec14l1	ZDB-GENE-040426-801	sec14l1
ENSDARG00000068738	746.1918412	-0.538030624	0.688710404	1.451989101	0.150136124	-3.583618725	0.000338867	0.012394569	cox5b2	ZDB-GENE-060825-71	cox5b2
ENSDARG00000042469	117.2703598	-0.539470339	0.688023459	1.453438814	0.15109878	-3.570315655	0.000356551	0.012864604	ndufa12	ZDB-GENE-050828-1	ndufa12
ENSDARG00000057575	67.77787308	-0.540083325	0.687731187	1.454056496	0.152331278	-3.545452594	0.000391939	0.01381399	pnp4a	ZDB-GENE-040625-83	pnp4a
ENSDARG00000053858	317.7296587	-0.540496604	0.687534206	1.454473089	0.143348826	-3.770498983	0.000162921	0.006954592	crip1	ZDB-GENE-041111-1	crip1
ENSDARG00000077040	45.65391189	-0.541500348	0.687056025	1.45548538	0.150010114	-3.60975892	0.000306482	0.011460672	si:ch211-85n16.4	ZDB-GENE-030131-7043	si:ch211-85n16.4
ENSDARG00000029443	74.64110634	-0.543519784	0.68609498	1.457524146	0.164938107	-3.295295388	0.000983183	0.027658403	zgc:92242	ZDB-GENE-040718-371	zgc:92242
ENSDARG000000031657	48.90376301	-0.544174958	0.685783473	1.458186205	0.186642745	-2.915596627	0.003550092	0.070080027	fahd1	ZDB-GENE-050522-448	fahd1
ENSDARG00000032197	30.44438066	-0.545939218	0.684945347	1.459970499	0.18795445	-2.90463576	0.003676807	0.07158296	klf12b	ZDB-GENE-071004-22	klf12b
ENSDARG00000029510	204.5900092	-0.546373383	0.68473925	1.460409929	0.159331963	-3.429151138	0.000605472	0.019239169	tim17a	ZDB-GENE-031030-6	tim17a
ENSDARG00000005840	343.5433007	-0.546845758	0.684515086	1.460888183	0.110910791	-4.930500912	8.2019E-07	7.43343E-05	got2b	ZDB-GENE-030131-7917	got2b
ENSDARG000000100095	132.2290987	-0.546982122	0.684450388	1.461026273	0.180713555	-3.026790781	0.00247165	0.053751076	anxa1b	ZDB-GENE-030131-6554	anxa1b
ENSDARG00000027611	169.1033194	-0.547807825	0.684058766	1.461862707	0.120272368	-4.554727191	5.24536E-06	0.000387567	cavin2a	ZDB-GENE-090313-215	cavin2a
ENSDARG00000020693	443.3608104	-0.549722405	0.683151564	1.463804012	0.122391968	-4.491490862	7.07263E-06	0.000494762	sesn1	ZDB-GENE-040718-408	sesn1
ENSDARG00000014246	23.59220786	-0.552460688	0.681856149	1.466584999	0.183846563	-3.005009607	0.002655725	0.056747992	jag2a	ZDB-GENE-130530-549	jag2a
ENSDARG00000022689	152.2369877	-0.55414149	0.681062027	1.468295047	0.182239104	-3.040740922	0.003599968	0.051627457	itgb1b.2	ZDB-GENE-040626-2598	itgb1b.2
ENSDARG0000001797	59.74324137	-0.55520218	0.680561677	1.469374537	0.149433872	-3.715370358	0.000202906	0.008168643	tent5bb	ZDB-GENE-060503-431	tent5bb
ENSDARG00000018149	2242.934378	-0.555236962	0.68054527	1.469409963	0.161155778	-3.445343197	0.000570335	0.018473625	slc38a4	ZDB-GENE-041010-14	slc38a4
ENSDARG00000017728	142.3460562	-0.555698697	0.680327496	1.469880324	0.165926889	-3.349057527	0.00081087	0.024100773	phb2b	ZDB-GENE-040718-430	phb2b
ENSDARG00000006840	183.6419551	-0.55601125	0.680180122	1.470198801	0.190073919	-2.925236952	0.00344194	0.068756588	gnmt	ZDB-GENE-040718-271	gnmt
ENSDARG00000057352	30.60478262	-0.55718659	0.679626216	1.471397036	0.20180641	-2.7609955	0.005762547	0.099585406	slc25a29	ZDB-GENE-050913-70	slc25a29
ENSDARG00000069441	40.60152716	-0.557556936	0.679451776	1.471774799	0.179289145	-3.109819822	0.001872015	0.044555882	lpar6b	ZDB-GENE-110408-67	lpar6b
ENSDARG000000041538	32.64542724	-0.560463352	0.678084347	1.474742786	0.197515039	-2.837573049	0.004545794	0.08345386	mrrps28	ZDB-GENE-061110-52	mrrps28
ENSDARG000000100823	139.5887881	-0.560600456	0.67801991	1.474882942	0.148775326	-3.768101008	0.001644494	0.006899292	selenok	ZDB-GENE-040912-131	selenok
ENSDARG00000020031	35.03199591	-0.564622696	0.67613222	1.47900066	0.16171392	-3.491490991	0.000480333	0.016334862	cldn11a	ZDB-GENE-040718-369	cldn11a
ENSDARG00000026764	2615.237594	-0.5684255	0.674352348	1.482904304	0.185348317	-3.06679612	0.002163664	0.048901399	ahsg1	ZDB-GENE-041114-50	ahsg1
ENSDARG00000010717	144.0933027	-0.568650867	0.674247014	1.483135971	0.161303837	-3.525339999	0.00042294	0.014681589	chchd10	ZDB-GENE-040426-1753	chchd10
ENSDARG000000034600	116.7635806	-0.570110363	0.67356526	1.484637138	0.106803885	-5.337917819	9.40201E-08	1.16093E-05	tmem165	ZDB-GENE-030131-3222	tmem165
ENSDARG00000090976	21.22177785	-0.571057756	0.673123087	1.485612393	0.184797318	-3.090184225	0.002000324	0.04629177	NABP2	ZDB-GENE-160114-62	si:ch73-190f16.2
ENSDARG00000035552	34.76997112	-0.57451003	0.671514273	1.489171623	0.164579604	-3.490772955	0.000481625	0.016348604	agtr2	ZDB-GENE-050306-56	agtr2
ENSDARG00000061120	2356.158144	-0.575127145	0.671227094	1.489808754	0.174804136	-3.290123201	0.001001435	0.027958282	slc43a2b	ZDB-GENE-041212-6	slc43a2b
ENSDARG00000030107	291.8482929	-0.577007332	0.670352889	1.491751607	0.155756979	-3.704535979	0.000211778	0.008488655	si:ch211-207i1.2	ZDB-GENE-041014-149	si:ch211-207i1.2
ENSDARG00000038028	184.749838	-0.577069004	0.670324234	1.491815378	0.161469449	-3.573858746	0.000351759	0.01276461	ndufa6	ZDB-GENE-040426-1124	ndufa6
ENSDARG00000070826	24.76807287	-0.577553168	0.670099312	1.492316111	0.198265894	-2.913023304	0.003579479	0.070358176	bpgm	ZDB-GENE-040718-375	bpgm
ENSDARG00000057949	72.08754483	-0.577707292	0.670027729	1.492475545	0.184006621	-3.13960057	0.001691783	0.041611537	slc43a3b	ZDB-GENE-060312-28	slc43a3b
ENSDARG00000099902	39.12955985	-0.577728676	0.670017798	1.492497667	0.189863666	-3.042860632	0.002343408	0.05144872	il17rc	ZDB-GENE-120111-3	il17rc
ENSDARG00000067958	37.85171043	-0.579936515	0.668993215	1.494783471	0.168931061	-3.432977412	0.000596992	0.019035452	sh3gl1a	ZDB-GENE-030131-4524	sh3gl1a
ENSDARG00000028163	427.682758	-0.584265842	0.666988669	1.499275845	0.202651229	-2.883110279	0.003937696	0.075290747	prg4b	ZDB-GENE-041014-324	prg4b
ENSDARG00000016011	526.7834959	-0.584917371	0.666687521	1.499953078	0.139088706	-4.205354902	2.60673E-05	0.001527343	gpcpd1	ZDB-GENE-060503-472	gpcpd1
ENSDARG00000070892	577.1062886	-0.585885755	0.666240169	1.500960234	0.139218849	-4.208379523	2.57209E-05	0.001511861	si:ch211-262h13.5	ZDB-GENE-050208-372	si:ch211-262h13.5
ENSDARG00000068409	24.77503255	-0.587207094	0.665630251	1.502335566	0.205397686	-2.858878818	0.004251412	0.079651192	vgll4l	ZDB-GENE-070112-1682	vgll4l
ENSDARG00000004658	130.6033002	-0.588308161	0.665122434	1.503482589	0.181896261	-3.234305962	0.001219387	0.032233176	zgc:101810	ZDB-GENE-041121-7	zgc:101810
ENSDARG000000044356	113.8995464	-0.588329125	0.66511277	1.503504436	0.165598455	-3.552745249	0.000381233	0.013562101	tp63	ZDB-GENE-030819-1	tp63
ENSDARG00000098764	52.2828142	-0.590947805	0.663906598	1.506235971	0.197142502	-2.997566729	0.002721443	0.057883356	musk	ZDB-GENE-030131-6458	musk
ENSDARG000000062618	55.06677614	-0.593712012	0.662665769	1.50912469	0.17146328	-3.462619008	0.000534945	0.017669521	kcnj12b	ZDB-GENE-091118-79	kcnj12b
ENSDARG00000061660	43.69829957	-0.594413966	0.662313437	1.509859145	0.199941512	-2.972939244	0.002949628	0.061457827	CABZ01055347.1		
ENSDARG000000044562	924.7596173	-0.595859677	0.661650072	1.511372918	0.164791652	-3.615836536	0.000299379	0.011217881	cyccb	ZDB-GENE-040625-38	cyccb
ENSDARG00000095947	69.49622584	-0.60062568	0.65946789	1.516374057	0.137699957	-4.361843614	1.28971E-05	0.000835496	adkb	ZDB-GENE-030131-948	adkb
ENSDARG000000078309	93.4031951	-0.601023811	0.659285926	1.51679258	0.212233775	-2.831895216	0.004627301	0.08461979	fam83b	ZDB-GENE-030131-7066	fam83b
ENSDARG00000093316	70.04713601	-0.602002294	0.658838928	1.517821667	0.212812498	-2.828792013	0.004672405	0.085111795	adgrf8	ZDB-GENE-130531-41	adgrf8
ENSDARG00000013946	92.34589176	-0.602964021	0.65839988	1.518833812	0.159838659	-3.772329073	0.000161731	0.00693595	ivns1abpb	ZDB-GENE-030131-6266	ivns1abpb
ENSDARG00000088124	57.20846269	-0.605315499	0.657327615	1.521311408	0.145663445	-4.155575898	3.24469E-05	0.001825561	adrb2a	ZDB-GENE-100414-3	adrb2a

ENSDARG00000087697	924.6478031	-0.606174598	0.656936305	1.522217592	0.17489262	-3.465981582	0.000528299	0.01749021	lpl	ZDB-GENE-990415-139	lpl
ENSDARG00000074635	514.4011324	-0.607012391	0.656554924	1.523101821	0.189422044	-3.204549899	0.001352738	0.035251673	abca1a	ZDB-GENE-031006-12	abca1a
ENSDARG00000031702	65.91818218	-0.607976689	0.656116229	1.524120204	0.199440181	-3.048416246	0.002300051	0.050749147	prkg1b	ZDB-GENE-080225-40	prkg1b
ENSDARG00000004754	156.892146	-0.608136478	0.656043563	1.52428902	0.22018567	-2.761925774	0.005746154	0.099545896	hspa4a	ZDB-GENE-040426-2832	hspa4a
ENSDARG00000029388	306.4138852	-0.608597344	0.655834025	1.524776029	0.146825258	-4.145045299	3.39747E-05	0.001877074	si:dkey-90m5.4	ZDB-GENE-041014-250	si:dkey-90m5.4
ENSDARG00000075614	136.1492032	-0.60942808	0.655456489	1.525654282	0.196400076	-3.102993103	0.001915741	0.04517043	apoc4	ZDB-GENE-010222-25	apoc4
ENSDARG00000115266	39.66975374	-0.611028837	0.654729624	1.527348027	0.194173665	-3.146816211	0.001650587	0.040871461	imp3	ZDB-GENE-040426-1062	imp3
ENSDARG00000019360	610.6562594	-0.613419704	0.65364549	1.529881281	0.117790759	-5.207706512	1.91189E-07	2.18471E-05	sec23b	ZDB-GENE-030131-5479	sec23b
ENSDARG00000104517	278.0785573	-0.614829729	0.653006959	1.531377249	0.192808819	-3.188805011	0.001428622	0.036898325	uqcr10	ZDB-GENE-170406-3	uqcr10
ENSDARG00000028943	100.9918667	-0.615646163	0.652637521	1.532244114	0.165071287	-3.729577529	0.000191801	0.007859146	mtss1a	ZDB-GENE-030219-89	mtss1a
ENSDARG00000104949	117.3422778	-0.617078821	0.651989746	1.533766454	0.214789632	-2.872945097	0.004066648	0.076894334	slc27a1b	ZDB-GENE-061013-672	slc27a1b
ENSDARG00000041051	65.62418397	-0.619266	0.651002054	1.536093465	0.222384594	-2.784662326	0.005358349	0.09451861	mid1ip1a	ZDB-GENE-990415-81	mid1ip1a
ENSDARG00000054363	85.46834733	-0.619956281	0.650690646	1.536828609	0.135802516	-4.565131056	4.99182E-06	0.000372083	si:zfos-464b6.2	ZDB-GENE-030131-5337	si:zfos-464b6.2
ENSDARG00000040815	442.5965278	-0.620467952	0.65045991	1.537373763	0.138003263	-4.496038263	6.92313E-06	0.000491783	tsku	ZDB-GENE-030131-4683	tsku
ENSDARG00000021866	92.79452445	-0.623488928	0.649099285	1.540596367	0.190201824	-3.278038647	0.001045311	0.028916893	upk1a	ZDB-GENE-060421-2603	upk1a
ENSDARG00000025766	21.54620678	-0.624726083	0.648542901	1.541918041	0.209772995	-2.978105363	0.002900363	0.060665592	zgc:66440	ZDB-GENE-040426-1640	zgc:66440
ENSDARG00000091902	116.5735752	-0.626307765	0.647832268	1.543609433	0.13266482	-4.720978515	2.34713E-06	0.000192779	b3gnt2b	ZDB-GENE-050913-158	b3gnt2b
ENSDARG00000046014	29.65858124	-0.627563178	0.647287768	1.544953244	0.204978905	-3.061598837	0.000201583	0.049275819	kcnab6a	ZDB-GENE-080722-21	kcnab6a
ENSDARG00000098821	58.83515802	-0.627947354	0.64709644	1.545364706	0.157125185	-3.99647806	6.42918E-05	0.003240661	sec14l1	ZDB-GENE-040426-801	sec14l1
ENSDARG00000012199	111.2853656	-0.628306139	0.646935533	1.545749072	0.1884626	-3.333850528	0.000856527	0.024973659	gpt2	ZDB-GENE-030729-8	gpt2
ENSDARG00000070412	17.5725776	-0.629285633	0.646496456	1.546798888	0.218332013	-2.882241697	0.003948567	0.075290747	mtmr7b	ZDB-GENE-050913-66	mtmr7b
ENSDARG00000006760	35.83187636	-0.631247144	0.645618067	1.548903371	0.220198805	-2.866714672	0.004147568	0.00493768	slc24a3	ZDB-GENE-090312-67	slc24a3
ENSDARG00000033845	66.27410513	-0.632401227	0.645101812	1.550142911	0.209615111	-3.016963913	0.002553202	0.055198368	igsf9ba	ZDB-GENE-060503-729	igsf9ba
ENSDARG00000068257	20.4516725	-0.632851126	0.64490067	1.550626393	0.203572555	-3.108725169	0.001878964	0.044607261	kcn4	ZDB-GENE-050419-163	kcn4
ENSDARG00000019541	697.8367496	-0.636565529	0.643242427	1.554623822	0.11833671	-5.379273513	7.4787E-08	9.42419E-06	gpt2l	ZDB-GENE-050302-11	gpt2l
ENSDARG000000056379	45.52426318	-0.636965144	0.643064278	1.555054501	0.162499525	-3.919796949	8.86236E-05	0.004257173	si:ch73-86n18.1	ZDB-GENE-141216-19	si:ch73-86n18.1
ENSDARG00000061762	25.11292903	-0.637067662	0.643018583	1.555165007	0.222258599	-2.866335269	0.004152542	0.077957622	trim108	ZDB-GENE-060503-670	trim108
ENSDARG00000071082	143.4741207	-0.638047937	0.642581817	1.556222061	0.194003744	-3.288843422	0.0010006	0.027958282	p4ha1b	ZDB-GENE-030131-4089	p4ha1b
ENSDARG00000028507	704.107608	-0.638252737	0.642490605	1.556442993	0.15771467	-4.046882481	5.19043E-05	0.002728386	itgb4	ZDB-GENE-030131-7209	itgb4
ENSDARG00000007833	134.6892607	-0.639008062	0.642154316	1.557258084	0.192493384	-3.319636499	0.000901347	0.0525992143	cnnm2b	ZDB-GENE-090312-26	cnnm2b
ENSDARG00000007869	65.70277949	-0.640785694	0.641363566	1.559178059	0.143277803	-4.472330555	7.73717E-06	0.000531151	ehd3	ZDB-GENE-041014-352	ehd3
ENSDARG00000007671	217.6649865	-0.642870862	0.640437255	1.561433212	0.141173559	-4.553762524	5.26948E-06	0.000387792	ghrb	ZDB-GENE-071119-4	ghrb
ENSDARG00000036967	78.78671247	-0.643475592	0.640168861	1.562087851	0.155309739	-4.143176609	3.42529E-05	0.001881148	smox	ZDB-GENE-031201-3	smox
ENSDARG00000068213	54.84590975	-0.648093352	0.638107092	1.567095773	0.151753652	-4.270693606	1.94866E-05	0.001187134	fzd10	ZDB-GENE-990415-220	fzd10
ENSDARG00000033361	33.33164326	-0.64812968	0.638107024	1.567135233	0.181184703	-3.577176593	0.000347326	0.012653654	asl	ZDB-GENE-040426-1152	asl
ENSDARG00000105403	73.05777163	-0.64885455	0.637786493	1.567922825	0.210152279	-3.087544681	0.002018174	0.046584328	abcc6b.1	ZDB-GENE-050517-19	abcc6b.1
ENSDARG00000051912	86.66989672	-0.649495287	0.637503299	1.568619334	0.200499569	-3.239384953	0.001197878	0.031847624	hbxb	ZDB-GENE-060929-800	hbxb
ENSDARG00000026629	54.67341059	-0.649675225	0.637423792	1.568814989	0.164150434	-3.957803884	7.5647E-05	0.003701229	gm5d	ZDB-GENE-050419-45	gm5d
ENSDARG000000112959	360.547733	-0.65000879	0.637276431	1.569177756	0.181153152	-3.58817267	0.00033004	0.012228748	CABZ01072309.1		
ENSDARG00000008765	74.26618281	-0.652126657	0.6363416	1.57148299	0.166835938	-3.908790071	9.27595E-05	0.004421217	tmed5	ZDB-GENE-040426-1302	tmed5
ENSDARG00000003144	86.56030236	-0.655849486	0.634701657	1.57554339	0.196750347	-3.333409553	0.000857886	0.024973701	pxmp2	ZDB-GENE-040912-184	pxmp2
ENSDARG000000028725	34.31022666	-0.65795332	0.633776767	1.577842629	0.211734157	-3.107450063	0.001887089	0.044724181	adra1aa	ZDB-GENE-030131-2831	adra1aa
ENSDARG000000038524	917.2853691	-0.658178371	0.63367691	1.578088781	0.122080724	-5.391337396	6.99352E-08	9.12079E-06	pik3r1	ZDB-GENE-030131-1280	pik3r1
ENSDARG00000099954	95.05040735	-0.658186293	0.63367443	1.578097446	0.129932264	-5.065610884	4.07093E-07	4.13795E-05	plekhm1	ZDB-GENE-030131-2752	plekhm1
ENSDARG00000015252	68.78240735	-0.662006638	0.631998641	1.582281883	0.173345081	-3.819010231	0.000133988	0.005869321	st3gal3b	ZDB-GENE-050411-13	st3gal3b
ENSDARG00000079340	39.03727353	-0.66276228	0.631667705	1.583110854	0.179730479	-3.687534148	0.000226438	0.008959142	slc47a4	ZDB-GENE-130530-865	slc47a4
ENSDARG00000041959	51.59083009	-0.662826424	0.631639621	1.583181242	0.225491429	-2.939475023	0.002876688	0.066475358	cxcr4b	ZDB-GENE-010614-1	cxcr4b
ENSDARG00000006508	48.35903072	-0.662878676	0.631616745	1.583238583	0.204853745	-3.235863105	0.001212755	0.032103989	pip5k1bb	ZDB-GENE-040912-141	pip5k1bb
ENSDARG00000096368	18.47159179	-0.663080823	0.63152825	1.583460438	0.21387873	-3.100265382	0.001933473	0.045430448	neu3.5	ZDB-GENE-071220-2	neu3.5
ENSDARG00000028731	69.248405	-0.665103172	0.630643603	1.585681666	0.17997155	-3.695601738	0.000219367	0.008716862	stat4	ZDB-GENE-030616-264	stat4
ENSDARG00000099395	24.30134421	-0.665675572	0.63039344	1.586310923	0.193617074	-3.438103661	0.000585803	0.018743671	cables1	ZDB-GENE-070912-509	cables1
ENSDARG00000013775	66.52026203	-0.667657998	0.629527804	1.588492191	0.194035432	-3.440907628	0.000579766	0.018664277	si:dkey-246g23.4	ZDB-GENE-050419-234	si:dkey-246g23.4
ENSDARG00000057529	26.03775427	-0.671274892	0.627951529	1.592479601	0.23786238	-2.822114586	0.004770813	0.086391155	itpa	ZDB-GENE-070705-218	itpa
ENSDARG00000044525	46.04915397	-0.671973798	0.627647395	1.593251256	0.171070955	-3.928041425	8.56405E-05	0.004135468	pparda	ZDB-GENE-990415-212	pparda

ENSDARG00000086746	319.7766715	-0.673385971	0.627033327	1.594811564	0.227471135	-2.960313938	0.003073257	0.063135116	prodha	ZDB-GENE-041008-73	prodha
ENSDARG00000087844	36.43257045	-0.675044924	0.626312716	1.59664649	0.173706009	-3.886134549	0.000101853	0.004765396	plekhn1	ZDB-GENE-090313-357	plekhn1
ENSDARG00000032708	23.94890379	-0.675048875	0.626311001	1.596650862	0.199465408	-3.384290448	0.000713625	0.021882112	arl4cb	ZDB-GENE-040426-2382	arl4cb
ENSDARG00000017049	156.2836699	-0.67568817	0.626033528	1.597358536	0.125553193	-5.381688463	7.37904E-08	9.36273E-06	adsl	ZDB-GENE-030131-6363	adsl
ENSDARG00000091127	372.2469986	-0.676335978	0.625752486	1.598075952	0.146837886	-4.606004594	4.10479E-06	0.000312979	klf15	ZDB-GENE-030131-7844	klf15
ENSDARG00000062058	152.6113647	-0.677078352	0.625430573	1.598898493	0.134809412	-5.022485739	5.1007E-07	4.96522E-05	slc12a7b	ZDB-GENE-030829-61	slc12a7b
ENSDARG00000043323	71.9522898	-0.680304413	0.624033588	1.602477847	0.137213986	-4.957981562	7.12293E-07	6.53472E-05	lnx1	ZDB-GENE-030131-9439	lnx1
ENSDARG00000054848	129.9964219	-0.68167593	0.623440624	1.604001989	0.197018188	-3.459964474	0.000540247	0.017732747	pdk4	ZDB-GENE-060503-754	pdk4
ENSDARG00000007344	220.6744697	-0.684463953	0.622236982	1.607104736	0.229843027	-2.977962667	0.002901713	0.060665592	tcap	ZDB-GENE-070501-5	tcap
ENSDARG00000069946	300.5415561	-0.684857728	0.622067169	1.607543445	0.167944689	-4.077876664	5.54489E-05	0.002409707	itga6b	ZDB-GENE-050320-5	itga6b
ENSDARG00000090903	94.82860882	-0.685189675	0.621924055	1.607913364	0.218923769	-3.12980942	0.001749197	0.042624814	creb3l3b	ZDB-GENE-131023-1	creb3l3b
ENSDARG00000027355	2505.201806	-0.68737102	0.620984421	1.610346357	0.123707428	-5.556424807	2.75356E-08	3.98898E-06	slc25a4	ZDB-GENE-030131-5275	slc25a4
ENSDARG00000020455	61.03755574	-0.68841219	0.620536428	1.611508938	0.152820684	-4.504705584	6.6465E-06	0.000473963	si:ch211-171h4.3	ZDB-GENE-081031-85	si:ch211-171h4.3
ENSDARG00000062271	16.58873165	-0.688604966	0.620453516	1.611724286	0.247497554	-2.782269787	0.005398015	0.094919836	slc25a15b	ZDB-GENE-060526-35	slc25a15b
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ENSDARG00000041400	165.0518084	-0.690362219	0.619698242	1.613688619	0.218577114	-3.158437806	0.001586172	0.039596178	ndufa3	ZDB-GENE-040801-18	ndufa3
ENSDARG00000008969	286.469989	-0.693899858	0.618180539	1.617650406	0.174906152	-3.967269591	7.27007E-05	0.00358592	fgb	ZDB-GENE-030131-9261	fgb
ENSDARG00000055642	34.63474836	-0.696222281	0.617186204	1.620256566	0.209653284	-3.320826978	0.008997512	0.025922163	si:ch211-217a12.1	ZDB-GENE-121214-95	si:ch211-217a12.1
ENSDARG00000020086	28.33893851	-0.699360058	0.615845319	1.623784364	0.199665906	-3.502651366	0.000460652	0.015870927	nuak1a	ZDB-GENE-041210-122	nuak1a
ENSDARG00000099776	551.4279428	-0.700833987	0.615216462	1.625444152	0.213943659	-3.275787603	0.001053678	0.028976924	glula	ZDB-GENE-030131-688	glula
ENSDARG00000042344	26.14367021	-0.701453353	0.614952399	1.626142123	0.223484744	-3.138708	0.001696945	0.041682758	trmt6	ZDB-GENE-051120-141	trmt6
ENSDARG000000103211	32.76911106	-0.70263138	0.614450467	1.627470486	0.19337065	-3.203432029	0.001358001	0.002592163	si:dkey-19b23.8	ZDB-GENE-030131-4634	si:dkey-19b23.8
ENSDARG00000020741	3294.027873	-0.702859702	0.614353231	1.62772807	0.157062655	-4.475027512	7.64015E-06	0.000528434	fga	ZDB-GENE-031010-21	fga
ENSDARG00000055523	163.2827773	-0.703454191	0.614100128	1.628398944	0.191589754	-3.671669168	0.000240971	0.009432752	slc22a6l	ZDB-GENE-040426-2249	slc22a6l
ENSDARG00000027088	149.8121211	-0.704723653	0.613560004	1.629832442	0.227407836	-3.098941818	0.001942132	0.045575684	ptgdsb.1	ZDB-GENE-030131-8436	ptgdsb.1
ENSDARG00000038106	1109.5873487	-0.704920165	0.613476436	1.63005446	0.219202339	-5.913643715	3.34621E-09	6.15636E-06	slc37a4a	ZDB-GENE-040426-2230	slc37a4a
ENSDARG00000005565	125.3793092	-0.70505633	0.613418537	1.630208315	0.195419911	-3.607904272	0.00030868	0.011519474	entpd8	ZDB-GENE-040724-142	entpd8
ENSDARG00000104227	89.22507342	-0.710144788	0.61125879	1.635968293	0.169310404	-4.194336395	2.73672E-05	0.001579367	nop10	ZDB-GENE-041007-4	nop10
ENSDARG00000096849	107.1919847	-0.711216326	0.610804956	1.637183834	0.139268748	-5.106790549	3.27677E-07	3.46471E-05	si:dkey-16p21.8	ZDB-GENE-131121-428	si:dkey-16p21.8
ENSDARG00000116806	229.9759762	-0.711941439	0.610498037	1.638006906	0.179715083	-3.961500758	7.44801E-05	0.003663866	CJ693479.1		
ENSDARG00000034677	101.6277108	-0.713985723	0.60963358	1.64032959	0.243529659	-2.931822461	0.003369793	0.067756783	scel	ZDB-GENE-030616-15	scel
ENSDARG00000074547	3426.909792	-0.714521569	0.609407192	1.640938954	0.226844941	-3.149823685	0.00163369	0.040507592	si:ch211-24019.8	ZDB-GENE-041210-330	si:ch211-24019.8
ENSDARG00000002271	163.178792	-0.719751323	0.607202096	1.646898135	0.153997818	-4.673776105	2.95712E-06	0.000234504	zfdand5b	ZDB-GENE-040426-875	zfdand5b
ENSDARG00000095975	23.86613728	-0.721771277	0.606352537	1.649205614	0.257542128	-2.802536741	0.005070244	0.090040879	wdr47b	ZDB-GENE-111114-10	wdr47b
ENSDARG00000058371	7784.575101	-0.72245596	0.606064834	1.649988489	0.146643262	-4.926622261	8.36633E-07	7.54528E-05	krt5	ZDB-GENE-991110-23	krt5
ENSDARG00000114237	29.96788724	-0.723824558	0.605490169	1.651554477	0.233609965	-3.098431854	0.001945477	0.045596034	bcl2l16	ZDB-GENE-140619-1	bcl2l16
ENSDARG00000067851	57.08642536	-0.73172797	0.602182226	1.660626896	0.200702323	-3.645837081	0.000266523	0.010110281	lcn15	ZDB-GENE-060825-349	lcn15
ENSDARG00000041602	42.29408662	-0.731992447	0.602071843	1.660931353	0.15025793	-4.87157281	1.10713E-06	9.73241E-05	zgc:92335	ZDB-GENE-040718-152	zgc:92335
ENSDARG00000042904	331.8452996	-0.732389412	0.601906202	1.66138843	0.128999524	-5.677458271	1.36711E-08	2.11362E-06	foxo3b	ZDB-GENE-990708-6	foxo3b
ENSDARG00000069293	5280.442497	-0.732760823	0.601751266	1.661816196	0.176445395	-4.1529042	3.28282E-05	0.001835786	ahsg2	ZDB-GENE-030131-1133	ahsg2
ENSDARG00000041787	662.8261113	-0.733060867	0.60162613	1.662161848	0.146731712	-4.995926629	5.85539E-07	5.66987E-05	cx32.3	ZDB-GENE-030131-1337	cx32.3
ENSDARG00000062221	15.1448281	-0.737707447	0.599691551	1.667523909	0.25987813	-2.838666907	0.004530242	0.083347392	arap1a	ZDB-GENE-030131-6226	arap1a
ENSDARG00000095590	548.5963178	-0.739344597	0.599011416	1.669417266	0.222973253	-3.315844336	0.000913667	0.026291754	spp2	ZDB-GENE-090313-223	spp2
ENSDARG00000102020	111.5294555	-0.739631775	0.598892191	1.669749607	0.171723563	-4.307107076	1.65404E-05	0.001045737	pnpla3	ZDB-GENE-040718-27	pnpla3
ENSDARG00000060319	32.20234789	-0.745410864	0.596497971	1.676451636	0.25643887	-2.906777992	0.003651723	0.071396805	scn4bb	ZDB-GENE-031116-71	scn4bb
ENSDARG00000058322	77.48477465	-0.745775947	0.596347043	1.676875927	0.13505987	-5.521817454	3.35511E-08	4.71201E-06	enc3	ZDB-GENE-030131-5742	enc3
ENSDARG00000038583	150.7398641	-0.748768633	0.595111279	1.680388002	0.181535762	-4.124634303	3.171324E-05	0.002015228	abraa	ZDB-GENE-120730-1	abraa
ENSDARG00000018846	934.6861172	-0.752512933	0.593568759	1.684724785	0.241774292	-3.112460504	0.001855348	0.044330778	dgat2	ZDB-GENE-050913-15	dgat2
ENSDARG00000028088	21.87301197	-0.752932059	0.593396343	1.685214295	0.241867154	-3.11299838	0.00185197	0.044307608	galk1	ZDB-GENE-041010-79	galk1
ENSDARG00000005690	45.60867783	-0.754284322	0.592840403	1.686794616	0.206378745	-3.65485468	0.000257328	0.009883747	slc25a23a	ZDB-GENE-121214-154	slc25a23a
ENSDARG00000091592	33.32938653	-0.755980655	0.592143746	1.687797913	0.257393804	-2.937058485	0.003313416	0.066842357	pel1a	ZDB-GENE-110310-6	pel1a
ENSDARG00000104292	50.42321371	-0.756197712	0.592054663	1.68903323	0.151685312	-4.98530612	6.18638E-07	5.83677E-05	ccn2b	ZDB-GENE-070705-82	ccn2b
ENSDARG00000008363	185.2923196	-0.757237583	0.591628074	1.690251096	0.135031437	-5.607861407	2.04842E-08	3.06397E-06	mcl1b	ZDB-GENE-030825-1	mcl1b
ENSDARG00000036171	222.8250503	-0.757990755	0.591319289	1.691133738	0.237676684	-3.189167494	0.001426832	0.036898325	rnasel3	ZDB-GENE-050809-5	rnasel3

ENSDARG0000074390	95.81920218	-0.7609833	0.590094002	1.694645254	0.177884418	-4.27796493	1.8861E-05	0.001164444	tmem176l.4	ZDB-GENE-030131-3532	tmem176l.4
ENSDARG0000043009	158.7153387	-0.764931996	0.588481107	1.699289897	0.122700271	-6.234150817	4.54235E-10	9.83179E-08	fam43a	ZDB-GENE-030131-6098	fam43a
ENSDARG00000102335	45.75827611	-0.766776106	0.587729368	1.701463386	0.222424623	-3.447352613	0.000566109	0.018369095	ano1	ZDB-GENE-121127-3	ano1
ENSDARG0000054288	69.45280502	-0.767471088	0.587446312	1.702283221	0.189346128	-4.053270576	5.05065E-05	0.00267017	zgc:63972	ZDB-GENE-040426-1320	zgc:63972
ENSDARG0000043475	51.79636867	-0.777854981	0.583233308	1.714579716	0.198277391	-3.923064428	8.74298E-05	0.004210819	TAGAP	ZDB-GENE-121214-340	si:ch211-122h15.4
ENSDARG0000043475	51.79636867	-0.777854981	0.583233308	1.714579716	0.198277391	-3.923064428	8.74298E-05	0.004210819	TAGAP	ZDB-GENE-040724-50	tagapb
ENSDARG0000032631	16.52849318	-0.778459409	0.582989009	1.715298203	0.271456636	-2.867711837	0.004134519	0.077823368	ltb4r	ZDB-GENE-070705-164	ltb4r
ENSDARG0000040942	54.44525106	-0.78063527	0.582110413	1.717887153	0.207895177	-3.754946515	0.000173378	0.007313164	pnp6	ZDB-GENE-040426-1800	pnp6
ENSDARG0000057652	482.4642488	-0.784803836	0.580430873	1.722858045	0.13288601	-5.905842445	3.50849E-09	6.39101E-07	dbpb	ZDB-GENE-100922-6	dbpb
ENSDARG0000061858	792.69346191	-0.786187547	0.57987444	1.724511257	0.211120652	-3.723877983	0.000196186	0.007985455	zgc:153968	ZDB-GENE-061027-211	zgc:153968
ENSDARG00000114503	28.36675513	-0.798690302	0.574870816	1.739521249	0.217275051	-3.675941153	0.000236974	0.009335868	phtf2	ZDB-GENE-040711-4	phtf2
ENSDARG0000079973	11.79792071	-0.801542011	0.573735618	1.742963081	0.282460389	-2.837714744	0.004543777	0.08345386	pus10	ZDB-GENE-080204-5	pus10
ENSDARG0000016048	99.47624483	-0.802517238	0.573347917	1.744141681	0.140029642	-5.731052559	9.98093E-09	1.62504E-06	gpat3	ZDB-GENE-040718-436	gpat3
ENSDARG0000041294	44.08066646	-0.807335416	0.571436298	1.749976339	0.247949575	-3.256046785	0.001129751	0.030521535	noxo1a	ZDB-GENE-030131-9700	noxo1a
ENSDARG0000020427	63.99691727	-0.810055201	0.570360034	1.753278526	0.270687128	-2.992588554	0.002766224	0.058497689	nkeh1a	ZDB-GENE-040711-2	nkeh1a
ENSDARG00000104823	134.7464006	-0.810073435	0.570352826	1.753300685	0.174184817	-4.650654689	3.30883E-06	0.000259046	znf648	ZDB-GENE-120215-149	znf648
ENSDARG0000008170	18.23603077	-0.812182858	0.569519499	1.755866133	0.235308629	-3.451564274	0.000557347	0.018148796	dbnla	ZDB-GENE-040704-42	dbnla
ENSDARG0000019417	59.63933557	-0.812947402	0.569217767	1.756796886	0.270639571	-3.003800958	0.002666297	0.007985709	gadd45ga	ZDB-GENE-040426-1882	gadd45ga
ENSDARG00000104039	173.1613809	-0.817013592	0.567615704	1.761755346	0.197284541	-4.141295545	3.4535E-05	0.001890995	errfi1a	ZDB-GENE-030131-6256	errfi1a
ENSDARG0000060051	123.0987004	-0.818552586	0.567010523	1.7636357	0.174837559	-4.681789139	2.84382E-06	0.000229073	slc47a2.1	ZDB-GENE-070112-1472	slc47a2.1
ENSDARG00000103826	327.7713301	-0.819174671	0.566766082	1.764396338	0.188597168	-4.343515231	1.40221E-05	0.000902021	gpib	ZDB-GENE-020513-3	gpib
ENSDARG0000040944	40.08330755	-0.821285401	0.565937484	1.76697962	0.247160279	-3.144756175	0.001662253	0.041049841	ntd5	ZDB-GENE-031030-7	ntd5
ENSDARG0000031336	88.17168821	-0.822994229	0.565267545	1.769073793	0.173871867	-4.733337494	2.20858E-06	0.000182213	hsd20b2	ZDB-GENE-030804-21	hsd20b2
ENSDARG0000078425	356.4417681	-0.825895573	0.564131901	1.772635084	0.199073725	-4.148692022	3.3438E-05	0.001858589	oat	ZDB-GENE-110411-148	oat
ENSDARG0000004748	150.3984765	-0.831082719	0.562107232	1.779019987	0.231425079	-3.591152365	0.000329219	0.012113946	zgc:100868	ZDB-GENE-040801-33	zgc:100868
ENSDARG0000004745	93.97652074	-0.831246133	0.562043566	1.779221507	0.151210483	-5.497278477	3.85697E-08	5.3758E-06	lmbri1	ZDB-GENE-030131-9906	lmbri1
ENSDARG0000069540	26.33426923	-0.833327893	0.56123314	1.781790717	0.178367244	-4.671978292	2.98312E-06	0.000235552	si:dkey-30c15.2	ZDB-GENE-060503-543	si:dkey-30c15.2
ENSDARG0000057408	15.52405322	-0.840716505	0.558366191	1.79093938	0.26757975	-3.141928737	0.001678389	0.041337346	CABZ01067232.1		
ENSDARG0000056795	72.3316185	-0.847235686	0.555848765	1.799050503	0.180984833	-4.681252406	2.85128E-06	0.000229073	serpine1	ZDB-GENE-070912-60	serpine1
ENSDARG0000023151	8015.287487	-0.848777499	0.555255045	1.800974181	0.18138856	-4.67933139	2.87809E-06	0.000229667	ucp1	ZDB-GENE-010503-1	ucp1
ENSDARG0000098103	134.5789462	-0.849766809	0.554874416	1.8022096	0.149110373	-5.698911413	1.20575E-08	1.87995E-06	tefb	ZDB-GENE-050522-224	tefb
ENSDARG0000010572	306.5762937	-0.850131559	0.554734148	1.802665302	0.298196852	-2.850907224	0.004359469	0.081185559	slc25a25a	ZDB-GENE-040426-2396	slc25a25a
ENSDARG0000069988	22.22764914	-0.861708367	0.550300534	1.817188861	0.292959695	-2.941388805	0.003267441	0.06620527	arid6	ZDB-GENE-070112-1882	arid6
ENSDARG0000099860	1211.850691	-0.867090265	0.548251491	1.823980448	0.166973129	-5.192992859	2.0694E-07	2.33576E-05	pkmb	ZDB-GENE-040801-230	pkmb
ENSDARG0000086685	94.94352214	-0.867149326	0.548229047	1.82405512	0.145957191	-5.941120947	2.8308E-09	5.3648E-07	trim63b	ZDB-GENE-040426-1003	trim63b
ENSDARG0000026500	18.10558618	-0.867946755	0.547926105	1.825063618	0.257484875	-3.370865003	0.000749326	0.022674496	xkr9	ZDB-GENE-060421-6224	xkr9
ENSDARG0000089245	33.38801193	-0.869038661	0.547511563	1.826445444	0.196369099	-4.425536734	9.62028E-06	0.000643614	dusp23b	ZDB-GENE-040718-163	dusp23b
ENSDARG0000093494	34.30948456	-0.869885154	0.547190408	1.827517414	0.241897393	-3.596091482	0.000323034	0.011934014	si:ch211-217k17.9	ZDB-GENE-061207-21	si:ch211-217k17.9
ENSDARG0000062182	60.40142809	-0.870469066	0.546968985	1.828257228	0.19274088	-4.516265904	6.29396E-06	0.000455438	slc22a7b.3	ZDB-GENE-131120-103	slc22a7b.3
ENSDARG0000028517	54.84244944	-0.871550921	0.546558975	1.829628724	0.220492464	-3.952746974	7.72591E-05	0.003770327	hbp1	ZDB-GENE-050522-414	hbp1
ENSDARG0000057392	14.06532524	-0.872461899	0.546213963	1.830784394	0.282997346	-3.082933154	0.002049712	0.04713825	lrrc31	ZDB-GENE-091204-286	lrrc31
ENSDARG0000086056	13.97916679	-0.877954471	0.544138393	1.837767769	0.284686935	-3.083929622	0.002042859	0.047039453	plekhg6	ZDB-GENE-030131-2517	plekhg6
ENSDARG0000055118	175.969061	-0.879680511	0.543487775	1.83996779	0.175095564	-5.024002273	5.06056E-07	4.95235E-05	mylipb	ZDB-GENE-061027-67	mylipb
ENSDARG00000101170	9.604498278	-0.883073146	0.542211213	1.844299741	0.305165603	-2.893750597	0.003806704	0.073412724	rab42b	ZDB-GENE-050417-172	rab42b
ENSDARG0000033160	498.1319466	-0.889368267	0.539850458	1.852364825	0.154486901	-5.756916996	8.5664E-09	1.41986E-06	nr1d1	ZDB-GENE-050105-1	nr1d1
ENSDARG0000018921	32.75222668	-0.890392801	0.539467218	1.853680755	0.20827098	-4.27516498	1.90996E-05	0.001175231	fam84a	ZDB-GENE-040426-1247	fam84a
ENSDARG00000101135	52.95969954	-0.891130213	0.539191548	1.854628478	0.21337635	-4.176330749	2.96249E-05	0.001687427	si:dkey-85k7.7	ZDB-GENE-040128-7	si:dkey-85k7.7
ENSDARG0000055342	77.25562655	-0.892523253	0.538671166	1.856420139	0.207415475	-4.303069731	1.68448E-05	0.001061337	slc16a13	ZDB-GENE-120907-2	slc16a13
ENSDARG00000018643	105.0784353	-0.893910883	0.538153304	1.858206561	0.267281136	-3.34445931	0.000824431	0.024229849	igf2a	ZDB-GENE-991111-3	igf2a
ENSDARG0000059646	107.7855135	-0.89490059	0.53778425	1.859481752	0.142587505	-6.276150142	3.47059E-10	7.78682E-08	nt5dc2	ZDB-GENE-060810-17	nt5dc2
ENSDARG000007693	252.6128494	-0.895008253	0.537744119	1.859620523	0.164644272	-5.436012099	5.44863E-08	7.37087E-06	nfkbiab	ZDB-GENE-030131-1819	nfkbiab
ENSDARG0000068708	207.9882285	-0.898502482	0.536443271	1.86413001	0.128682941	-6.982296754	2.90393E-12	8.90441E-10	ifrd1	ZDB-GENE-030131-6132	ifrd1
ENSDARG0000020876	263.3240618	-0.898834284	0.53631991	1.864558787	0.289328267	-3.106624509	0.001892366	0.044750321	pdk2a	ZDB-GENE-120910-1	pdk2a
ENSDARG0000035859	214.2492411	-0.901300886	0.535403737	1.8677949383	0.17107464	-5.26846578	1.37569E-07	1.62243E-05	angptl4	ZDB-GENE-041111-222	angptl4

ENS DARG00000104467	194.2807181	-0.90171184	0.535251248	1.868281491	0.284073941	-3.174215267	0.001502422	0.038284714	bgllapl		
ENS DARG00000030872	116.6550391	-0.906290549	0.533555204	1.87422031	0.301188852	-3.009044136	0.00262071	0.056326904	cetp	ZDB-GENE-041114-54	cetp
ENS DARG00000101362	68.95832242	-0.906866222	0.533342344	1.874968323	0.212253661	-4.27255868	1.93243E-05	0.001181156	mibp	ZDB-GENE-030404-1	mibp
ENS DARG00000070672	32.65221985	-0.908907714	0.532588169	1.877623383	0.236665043	-3.84048148	0.000122793	0.005523594	slc2a9l1	ZDB-GENE-090915-3	slc2a9l1
ENS DARG00000104654	294.1699177	-0.908937201	0.532577284	1.87766176	0.244457665	-3.718178361	0.000200665	0.008130819	leap2	ZDB-GENE-081022-131	leap2
ENS DARG00000075564	132.6191954	-0.914293786	0.530603543	1.884646292	0.174702597	-5.233429844	1.66393E-07	1.92353E-05	fam13a	ZDB-GENE-050208-102	fam13a
ENS DARG00000016143	127.8139121	-0.917382513	0.529468767	1.888685534	0.14606138	-6.280801366	3.36832E-10	7.65067E-08	xiap	ZDB-GENE-030825-7	xiap
ENS DARG00000015890	153.5467796	-0.918081832	0.529212179	1.889601261	0.191094544	-4.804333054	1.55268E-06	0.000129259	mafa	ZDB-GENE-010605-2	mafa
ENS DARG00000036830	5601.453125	-0.921611746	0.527918912	1.894230303	0.155164671	-5.939572085	2.85767E-09	5.36484E-07	krt91	ZDB-GENE-040801-181	krt91
ENS DARG00000016391	16.12619533	-0.923155357	0.527354367	1.896258118	0.317727544	-2.905493636	0.003666743	0.071538429	calccoco1b	ZDB-GENE-031118-126	calccoco1b
ENS DARG00000012341	48.25166645	-0.924538558	0.526849002	1.898077049	0.222083572	-4.163020926	3.14065E-05	0.001777895	capn9	ZDB-GENE-010724-2	capn9
ENS DARG00000038429	130.2648377	-0.926944261	0.52597121	1.901244746	0.152248107	-6.088379536	1.14059E-09	2.33162E-07	csrnp1b	ZDB-GENE-030131-1515	csrnp1b
ENS DARG00000033614	118.464169	-0.927125326	0.525905203	1.901483376	0.156038313	-5.941651834	2.82164E-09	5.36484E-07	rasgef1ba	ZDB-GENE-030131-5783	rasgef1ba
ENS DARG00000057571	846.9048483	-0.930395574	0.52471445	1.905798477	0.164143458	-5.668185526	1.44318E-08	2.21236E-06	pgam2	ZDB-GENE-040116-6	pgam2
ENS DARG00000088143	28.23116915	-0.934777522	0.523123134	1.911595825	0.252470895	-3.702515972	0.000213472	0.008520345	sema4gb	ZDB-GENE-111117-1	sema4gb
ENS DARG00000055226	141.1960412	-0.935754976	0.522768828	1.912891408	0.192665398	-4.856891727	1.19243E-06	0.000102997	slc7a7	ZDB-GENE-051127-5	slc7a7
ENS DARG00000031426	25.39200654	-0.939350032	0.521467761	1.917664091	0.215348268	-4.362004119	1.28876E-05	0.000835496	csrnp1a	ZDB-GENE-070912-475	csrnp1a
ENS DARG00000009505	362.0432403	-0.93946342	0.521452105	1.917814815	0.174697904	-5.377645641	7.54662E-08	9.44508E-06	prelid3b	ZDB-GENE-031002-13	prelid3b
ENS DARG00000029695	65.0091519	-0.939887146	0.521273655	1.918378168	0.273169909	-3.440668667	0.000580279	0.018664277	pgp	ZDB-GENE-030131-6240	pgp
ENS DARG00000062780	43.00928468	-0.940202001	0.521159904	1.918796883	0.229751121	-4.092262961	4.27184E-05	0.002278066	aifm3	ZDB-GENE-140619-2	aifm3
ENS DARG00000076554	113.0467061	-0.943598556	0.519934374	1.923319652	0.223046343	-4.230504492	2.33168E-05	0.001385403	cdkn1a	ZDB-GENE-070705-7	cdkn1a
ENS DARG00000063509	166.7381863	-0.943692022	0.519900691	1.92344426	0.193798477	-3.497636832	0.0004694	0.01642091	lrcc58b	ZDB-GENE-050309-29	lrcc58b
ENS DARG00000086272	10.44936076	-0.945345202	0.519305279	1.925649593	0.332448947	-2.843580076	0.00446098	0.082320067	si:dkey-4p15.5	ZDB-GENE-121214-193	si:dkey-4p15.5
ENS DARG00000091252	25.29833442	-0.94568025	0.519184691	1.926096853	0.291849981	-3.24029574	0.001194058	0.031800253	slc22a7b.2	ZDB-GENE-030131-9391	slc22a7b.2
ENS DARG00000104470	89.02997551	-0.947956593	0.518366147	1.929138326	0.170797824	-5.550167869	2.85395E-08	4.10211E-06	syngnr2b	ZDB-GENE-070424-19	syngnr2b
ENS DARG00000074663	79.14999591	-0.954291077	0.51609513	1.937627273	0.175349558	-5.442221168	5.62603E-08	7.22469E-06	SAMD8	ZDB-GENE-070410-30	zgc:162183
ENS DARG00000039393	618.860793	-0.957741179	0.5148624	1.942266516	0.262103382	-3.654058843	0.000258127	0.009893795	si:ch211-240l19.5	ZDB-GENE-041210-327	si:ch211-240l19.5
ENS DARG00000005271	13.93412034	-0.959400922	0.514270419	1.944502274	0.295245517	-3.249502079	0.001156072	0.031056342	zc3h12a	ZDB-GENE-110411-6	zc3h12a
ENS DARG00000055518	760.7427117	-0.965648946	0.512048033	1.952941787	0.200415878	-4.818225763	1.4484E-06	0.000122801	pygma	ZDB-GENE-050522-482	pygma
ENS DARG00000020143	1015.74409	-0.969872857	0.510551055	1.958667972	0.168219249	-5.7655284	8.14024E-09	1.36149E-06	pah	ZDB-GENE-031006-2	pah
ENS DARG00000060797	110.737801	-0.970575456	0.510302475	1.959622085	0.178529765	-5.436490974	5.43401E-08	7.37087E-06	pfkmb	ZDB-GENE-081114-1	pfkmb
ENS DARG00000020761	198.9465446	-0.971875422	0.509842865	1.961388633	0.181263009	-5.361686462	8.24486E-08	1.02492E-05	arrdc2	ZDB-GENE-030131-7146	arrdc2
ENS DARG00000070542	73.1423772	-0.97309292	0.509412787	1.963044558	0.194951691	-4.991456687	5.99256E-07	5.75366E-05	mafbb	ZDB-GENE-010605-4	mafbb
ENS DARG00000011618	101.6020293	-0.975243993	0.508653814	1.96597366	0.22748465	-4.287076033	1.8104E-05	0.001121475	slc26a2	ZDB-GENE-030717-3	slc26a2
ENS DARG00000023176	338.43088	-0.980410856	0.506835381	1.973027215	0.287460031	-3.410598866	0.000648204	0.020316275	tdo2b	ZDB-GENE-030131-6014	tdo2b
ENS DARG00000037836	118.581727	-0.982145432	0.506226371	1.975400844	0.261750053	-3.752226292	0.000175271	0.007362188	igfals	ZDB-GENE-061009-25	igfals
ENS DARG00000044010	76.68547307	-0.984097847	0.505541752	1.978075987	0.186075125	-5.288712551	1.2318E-07	1.46442E-05	lox12a	ZDB-GENE-070818-1	lox12a
ENS DARG00000075282	139.543891	-0.986480983	0.504707355	1.981346199	0.191709522	-5.14570676	2.66515E-07	2.88432E-05	irs2b	ZDB-GENE-081104-462	irs2b
ENS DARG00000060435	17.50891289	-0.988905975	0.503859717	1.984679398	0.252604709	-3.914835866	9.04657E-05	0.004334345	bnip1	ZDB-GENE-060503-81	bnip1
ENS DARG00000089489	19.53608002	-0.990737287	0.503220539	1.987200287	0.255001084	-3.885227749	0.000102234	0.004765396	fam83e	ZDB-GENE-141215-21	fam83e
ENS DARG00000042807	134.0536702	-0.998023817	0.500685362	1.997262304	0.169096919	-5.903034627	3.56875E-09	6.42878E-07	slc16a4	ZDB-GENE-070112-602	slc16a4
ENS DARG00000037398	13.82232233	-1.003977246	0.49862349	2.00552124	0.345317672	-2.907401874	0.003644447	0.07133035	zgc:113229	ZDB-GENE-050417-475	zgc:113229
ENS DARG00000092364	15.19463606	-1.02307749	0.49206558	2.0324944	0.261487941	-3.912522649	9.1337E-05	0.004364721	si:ch211-218c6.8	ZDB-GENE-050419-103	si:ch211-218c6.8
ENS DARG00000069478	54.23750455	-1.02361953	0.491880739	2.033013127	0.201832131	-5.071638122	3.94406E-07	4.04227E-05	slc13a3	ZDB-GENE-040426-2486	slc13a3
ENS DARG00000038561	7.006851844	-1.026633635	0.490854166	2.037264975	0.335538602	-3.059658794	0.002215893	0.049475724	klf6b	ZDB-GENE-070912-633	klf6b
ENS DARG00000103398	761.3516238	-1.027458356	0.490573648	2.038429916	0.231720318	-4.434045164	9.24812E-06	0.00062554	fabp1b.2	ZDB-GENE-100318-6	fabp1b.2
ENS DARG00000033832	964.6956993	-1.027464232	0.49057165	2.038338218	0.256272682	-4.009261631	6.09089E-05	0.003104161	ampd1	ZDB-GENE-040426-1906	ampd1
ENS DARG00000100738	8.615721852	-1.030104486	0.489674683	2.042172149	0.340816849	-3.022457634	0.002507312	0.054333948	osmr	ZDB-GENE-060526-48	osmr
ENS DARG00000043093	84.99176064	-1.031625181	0.489158806	2.044325866	0.278675688	-3.701884393	0.000214004	0.008522182	mpeg1.2	ZDB-GENE-050522-305	mpeg1.2
ENS DARG00000002764	134.2816325	-1.034060561	0.488333765	2.04777976	0.333851457	-3.097367222	0.001952478	0.045675435	miox	ZDB-GENE-050913-113	miox
ENS DARG00000070914	314.0507767	-1.034479036	0.488192137	2.048373835	0.133503443	-7.748706822	9.28331E-15	5.50949E-12	dusp6	ZDB-GENE-030613-1	dusp6
ENS DARG00000100792	1075.127895	-1.038080343	0.486975014	2.053493447	0.237949294	-4.362611571	1.28519E-05	0.000835496	zgc:154142	ZDB-GENE-070615-2	zgc:154142
ENS DARG00000106212	45.93512782	-1.039185197	0.486602219	2.055066668	0.309761841	-3.354787642	0.000794259	0.023683603	LO017965.1		
ENS DARG00000078552	38.71699933	-1.042032682	0.485642746	2.059126813	0.249130195	-4.182683205	2.88089E-05	0.00165117	grhl3	ZDB-GENE-030131-9854	grhl3

ENS DARG00000053961	42.8396183	-1.044482219	0.484818878	2.062625952	0.232498536	-4.492424936	7.04167E-06	0.000494762	slc2a11a	ZDB-GENE-080723-20	slc2a11a
ENS DARG00000068288	127.7181779	-1.051626537	0.482423959	2.072865541	0.288665496	-3.643062829	0.000269413	0.010198891	lamc2	ZDB-GENE-110222-3	lamc2
ENS DARG00000056885	289.2717808	-1.053154884	0.481913164	2.075062635	0.15523165	-6.784408237	1.16563E-11	3.15784E-09	per1a	ZDB-GENE-011220-1	per1a
ENS DARG00000079532	16.04273484	-1.054203227	0.481563106	2.076571039	0.274488643	-3.840607807	0.00012273	0.005523594	zgc:194242	ZDB-GENE-081022-84	zgc:194242
ENS DARG00000053853	2455.738839	-1.055995656	0.480965176	2.07915261	0.240471209	-4.391360028	1.12644E-05	0.00742803	slc13a2	ZDB-GENE-040426-2389	slc13a2
ENS DARG00000091260	132.01416	-1.05988814	0.47966925	2.084769871	0.175385362	-6.043196137	1.51091E-09	3.02149E-07	mylk4a	ZDB-GENE-120824-2	mylk4a
ENS DARG0000007086	193.6672324	-1.061169461	0.479243423	2.08662227	0.219219483	-4.840671304	1.29401E-06	0.000110731	aqp10a	ZDB-GENE-040718-40	aqp10a
ENS DARG00000057687	16.22314425	-1.062336975	0.478855748	2.088311571	0.28335028	-3.749200375	0.000177399	0.00741771	sbk3	ZDB-GENE-080204-39	sbk3
ENS DARG00000069498	13.38539347	-1.064807186	0.478036543	2.091890283	0.256756397	-4.147149593	3.3664E-05	0.001865514	phkg1b	ZDB-GENE-050522-52	phkg1b
ENS DARG00000041607	158.3568523	-1.076344489	0.474228907	2.108686302	0.13373047	-8.048610702	8.37391E-16	5.70605E-13	eif4ebp3l	ZDB-GENE-030826-26	eif4ebp3l
ENS DARG00000036848	112.7729195	-1.091191848	0.469373453	2.1304997	0.20590592	-5.299468079	1.16141E-07	1.40576E-05	slc43a2a	ZDB-GENE-040426-964	slc43a2a
ENS DARG00000032272	16.59558397	-1.102846966	0.465596795	2.147781106	0.226455007	-4.870048937	1.11571E-06	9.73241E-05	sat1b	ZDB-GENE-041001-39	sat1b
ENS DARG00000075517	16.24103125	-1.11033946	0.463185033	2.158964408	0.3255413	-3.410748378	0.000647848	0.020316275	si:ch211-120k19.1	ZDB-GENE-100922-282	si:ch211-120k19.1
ENS DARG00000056541	58.44362496	-1.120750484	0.459854549	2.174600649	0.347553146	-3.224688073	0.0012611	0.030398026	nr0b1	ZDB-GENE-070130-1	nr0b1
ENS DARG00000088813	81.85010095	-1.120800401	0.459838638	2.174675892	0.222009529	-5.048433759	4.45447E-07	4.4371E-05	ppp1r3ab	ZDB-GENE-050309-246	ppp1r3ab
ENS DARG00000043154	277.2062963	-1.123871186	0.45886091	2.179309632	0.153618922	-7.315968456	2.55532E-13	1.09332E-10	ucp2	ZDB-GENE-990708-8	ucp2
ENS DARG00000015611	34.07155095	-1.129274691	0.457145495	2.187487376	0.208955907	-5.404368357	6.50372E-08	8.54681E-06	rasl11b	ZDB-GENE-040426-793	rasl11b
ENS DARG000000102048	50.30115692	-1.132412496	0.456152302	2.192250252	0.163581795	-6.922607121	4.43409E-12	1.31577E-09	slc25a43	ZDB-GENE-030616-69	slc25a43
ENS DARG00000031248	6.35976199	-1.14638544	0.451755653	2.213586023	0.376530072	-3.044605267	0.002329859	0.051298568	enkur	ZDB-GENE-070718-1	enkur
ENS DARG000000100952	634.3897454	-1.147775163	0.451320694	2.21571936	0.227277682	-5.050100617	4.41577E-07	4.4371E-05	wu:fj16a03	ZDB-GENE-030131-7415	wu:fj16a03
ENS DARG00000020136	14.93633033	-1.155561423	0.448891467	2.227709978	0.255901803	-4.515643923	6.31247E-06	0.000455438	ptges	ZDB-GENE-050407-2	ptges
ENS DARG00000055412	43.67825506	-1.156341339	0.448648563	2.228914596	0.223629597	-5.170788466	2.33108E-07	2.5681E-05	mylk4b	ZDB-GENE-041001-128	mylk4b
ENS DARG00000017953	8.622598385	-1.159755406	0.447588413	2.234195459	0.303509283	-3.821152998	0.000132829	0.005832439	tp73	ZDB-GENE-030814-2	tp73
ENS DARG00000092778	66.00734491	-1.160656881	0.447308822	2.235591944	0.299476792	-3.875615445	0.000106356	0.004941235	si:ch73-338o16.4	ZDB-GENE-131119-14	si:ch73-338o16.4
ENS DARG00000058800	11.12724757	-1.162931427	0.446604153	2.239119347	0.322730036	-3.603418642	0.000314059	0.011672846	rab25a	ZDB-GENE-041212-69	rab25a
ENS DARG00000067741	231.8302681	-1.165542808	0.445796499	2.243175983	0.139759338	-8.33964174	7.45159E-17	6.52831E-14	itpkcb	ZDB-GENE-080225-27	itpkcb
ENS DARG00000088390	90.63326046	-1.17372385	0.44327569	2.25593242	0.220666869	-5.318985381	1.04348E-07	1.27138E-05	nme4	ZDB-GENE-040426-1043	nme4
ENS DARG00000113315	18.44130933	-1.185595115	0.439643147	2.274572019	0.422868321	-2.803698113	0.000502018	0.089890749	zgc:153932	ZDB-GENE-070209-223	zgc:153932
ENS DARG00000012366	48.00462376	-1.189975672	0.438310252	2.281488959	0.201634825	-5.901637638	3.59911E-09	6.42878E-07	fbp2	ZDB-GENE-040822-23	fbp2
ENS DARG00000099819	616.3743753	-1.191204164	0.437937178	2.283432532	0.169765064	-7.016780325	0.02979E-12	7.07977E-09	sb:cb1058	ZDB-GENE-040108-9	sb:cb1058
ENS DARG00000070222	5.95676069	-1.191885281	0.43773047	2.284510829	0.360428802	-3.306853599	0.000943502	0.026797518	fam43b	ZDB-GENE-040912-11	fam43b
ENS DARG00000014179	203.5803529	-1.195860575	0.43652598	2.290814396	0.209567097	-5.706337451	1.15433E-08	1.84424E-06	pfkma	ZDB-GENE-040912-135	pfkma
ENS DARG00000042737	68.3116666	-1.197179053	0.436127222	2.292908927	0.231302389	-5.175817926	2.26915E-07	2.53017E-05	slc52a3	ZDB-GENE-060421-4490	slc52a3
ENS DARG00000099819	26.75936947	-1.19758758	0.436003091	2.2935583	0.335433238	-3.570271056	0.000356612	0.012864604	anxa3a	ZDB-GENE-040112-58	anxa3a
ENS DARG00000037012	111.9606082	-1.198757491	0.43565032	2.295418948	0.158296562	-7.572858658	3.65099E-14	1.97562E-11	slc3a2b	ZDB-GENE-040122-2	slc3a2b
ENS DARG00000074526	38.01897527	-1.208288921	0.432781603	2.310634262	0.414347948	-2.916121411	0.003544126	0.070037403	zbtb16b	ZDB-GENE-100923-1	zbtb16b
ENS DARG00000031616	56.80693832	-1.210189521	0.432211834	2.313680286	0.198413446	-6.0993322	1.06513E-09	2.2057E-07	g6pca.1	ZDB-GENE-031001-4	g6pca.1
ENS DARG00000028017	83.36313864	-1.211790526	0.431732461	2.316249276	0.350201497	-3.460266549	0.000539641	0.017732747	tp53inp1	ZDB-GENE-031018-3	tp53inp1
ENS DARG00000078619	539.8285291	-1.213597635	0.431192014	2.319152412	0.261951548	-4.632908815	3.60563E-06	0.000277558	pnp5a	ZDB-GENE-040426-2553	pnp5a
ENS DARG00000011122	141.8906159	-1.220033622	0.429272714	2.329521462	0.226344746	-5.390156582	7.03963E-08	9.12079E-06	pptc7a	ZDB-GENE-041114-74	pptc7a
ENS DARG00000077473	172.0126919	-1.220105973	0.429251186	2.329638291	0.200048509	-6.099050582	1.067E-09	2.2057E-07	mych	ZDB-GENE-030219-51	mych
ENS DARG00000042138	7.298794441	-1.226894731	0.427236043	2.340626489	0.386766842	-3.172181783	0.001512983	0.038447314	selp	ZDB-GENE-110107-2	selp
ENS DARG00000070426	961.9570551	-1.234789347	0.424904537	2.353469811	0.196945588	-6.269697937	3.61749E-10	8.01863E-08	chac1	ZDB-GENE-030131-1957	chac1
ENS DARG00000069095	57.29527822	-1.235083003	0.424818058	2.353948901	0.182052323	-6.784219973	1.16715E-11	3.15784E-09	gl52a	ZDB-GENE-081105-57	gl52a
ENS DARG00000095434	14.43394992	-1.235186958	0.424787448	2.354118524	0.390083653	-3.166466854	0.001543029	0.038941911	si:ch211-217k17.8	ZDB-GENE-031010-46	si:ch211-217k17.8
ENS DARG00000019613	383.418124	-1.240695137	0.423168711	2.363123677	0.11208142	-11.06958796	1.76209E-28	6.48378E-25	ip6k2b	ZDB-GENE-040718-85	ip6k2b
ENS DARG00000059805	23.99176006	-1.246216083	0.421552411	2.3721184271	0.340288016	-3.66223912	0.00025002	0.009744055	slc25a38a	ZDB-GENE-060929-320	slc25a38a
ENS DARG00000040059	111.0650733	-1.248271514	0.420952246	2.37556637	0.255813444	-4.879616546	1.06292E-06	9.40176E-05	gbp	ZDB-GENE-990714-7	gbp
ENS DARG00000097613	37.21749671	-1.249891959	0.420479696	2.378236121	0.341554725	-3.659419313	0.000252787	0.009773553	igfn1.3	ZDB-GENE-131122-44	igfn1.3
ENS DARG00000007184	36.17916022	-1.251179483	0.420104608	2.380359511	0.336390308	-3.71942786	0.000199675	0.00810952	zbtb16a	ZDB-GENE-030131-1989	zbtb16a
ENS DARG0000000796	190.208288	-1.253678862	0.419377434	2.384486908	0.202927986	-6.177949571	6.49394E-10	1.37328E-07	nr4a1	ZDB-GENE-040704-11	nr4a1
ENS DARG0000014053	67.45986768	-1.255576447	0.418826187	2.387625301	0.314277402	-3.995121624	6.4661E-05	0.003250366	olfm1b	ZDB-GENE-040801-228	olfm1b
ENS DARG00000102029	4.087135747	-1.267495255	0.415380313	2.407432345	0.447972863	-2.829401866	0.00466351	0.085033951	si:dkey-183c6.7	ZDB-GENE-160728-81	si:dkey-183c6.7
ENS DARG00000013721	2181.888068	-1.268452368	0.415104832	2.409030013	0.226569791	-5.598506157	2.16207E-08	3.20788E-06	g6pca.2	ZDB-GENE-050309-17	g6pca.2

ENSDARG00000090526	15.45662955	-1.273117918	0.413764588	2.416833217	0.365185676	-3.486220853	0.000489896	0.016537823	zgc:158404	ZDB-GENE-070112-592	zgc:158404
ENS DARG00000045089	402.063567	-1.274075959	0.413489913	2.418438681	0.429778873	-2.964491834	0.003031833	0.062533253	si:ch211-270n8.1	ZDB-GENE-081107-34	si:ch211-270n8.1
ENS DARG00000104129	10.54542637	-1.274783909	0.413287058	2.419625733	0.331196092	-3.849030653	0.000118586	0.005400367	si:dkey-23n7.10	ZDB-GENE-141222-64	si:dkey-23n7.10
ENS DARG00000097082	25.23437228	-1.280803185	0.411566315	2.429742091	0.229905759	-5.570992175	2.53293E-08	3.69848E-06	im:7152348	ZDB-GENE-041111-308	im:7152348
ENS DARG00000033170	29.11207634	-1.282461949	0.411093382	2.432537337	0.219730495	-5.836522379	5.33016E-09	9.25135E-07	sult2st1	ZDB-GENE-030219-114	sult2st1
ENS DARG00000069046	233.8871875	-1.283499152	0.410797939	2.434286801	0.272997718	-4.701501395	2.58255E-06	0.000210238	wu:fk65c09	ZDB-GENE-030131-7018	wu:fk65c09
ENS DARG00000079345	64.74339167	-1.286164294	0.410039758	2.438787901	0.267550737	-4.807179034	1.53075E-06	0.000128012	si:ch211-217k17.10	ZDB-GENE-030131-8827	si:ch211-217k17.10
ENS DARG00000099517	448.5743415	-1.287600343	0.40963181	2.441216663	0.171568528	-7.50487491	6.14873E-14	2.82811E-11	adssl1	ZDB-GENE-040516-18	adssl1
ENS DARG00000040253	62.46944014	-1.289506012	0.409091081	2.444443419	0.303471963	-4.249176764	2.14558E-05	0.001294211	onecutl	ZDB-GENE-020531-1	onecutl
ENS DARG000000087303	376.4473634	-1.290726295	0.408745203	2.446511892	0.192539745	-6.703687561	2.03225E-11	5.34132E-09	cebpd	ZDB-GENE-020111-4	cebpd
ENS DARG00000059815	3.184477306	-1.300663183	0.405939552	2.463420959	0.444924247	-2.923336259	0.003463023	0.069102711	oaz2b	ZDB-GENE-070313-1	oaz2b
ENS DARG00000105498	9.376054523	-1.305075095	0.404700042	2.47096589	0.283379532	-4.605396467	4.11681E-06	0.000312979	TSC22D3 (1 of many)	ZDB-GENE-160114-28	si:ch211-220e11.3
ENS DARG00000092999	6.772974892	-1.307581424	0.403997585	2.475262319	0.465980417	-2.806086643	0.005014721	0.089313485	tnni4b.1	ZDB-GENE-090312-198	tnni4b.1
ENS DARG00000069888	106.9338544	-1.315066989	0.401906833	2.488138837	0.181617767	-7.240849903	4.45882E-13	1.67415E-10	clnda	ZDB-GENE-010328-1	clnda
ENS DARG00000059054	263.9016056	-1.318214236	0.401031027	2.493572649	0.253183194	-5.206562937	1.9237E-07	2.18471E-05	pdk2b	ZDB-GENE-040426-939	pdk2b
ENS DARG00000042055	44.11375974	-1.320879682	0.400290787	2.498183899	0.321994006	-4.10218718	4.09263E-05	0.002201643	fam129aa	ZDB-GENE-041014-181	fam129aa
ENS DARG00000054160	28.76743761	-1.324885484	0.399180878	2.50513002	0.299120005	-4.42927742	9.45493E-06	0.000634861	zgc:113625	ZDB-GENE-050320-47	zgc:113625
ENS DARG00000103038	97.76709608	-1.32947648	0.397912609	2.513114633	0.148596007	-8.946919294	3.65541E-19	6.7423E-16	pik3r3a	ZDB-GENE-040426-1978	pik3r3a
ENS DARG00000079308	67.30386855	-1.340866634	0.394783436	2.533034337	0.26870698	-4.990069976	6.03574E-07	5.75366E-05	tor3a	ZDB-GENE-081104-165	tor3a
ENS DARG00000037099	84.99516129	-1.350476741	0.392162437	2.549963756	0.410474	-3.290042098	0.001001724	0.027958282	irs2a	ZDB-GENE-040426-975	irs2a
ENS DARG00000038398	15.00577126	-1.35112056	0.391987469	2.551101959	0.263742611	-5.122875499	3.00911E-07	3.2187E-05	pmm1	ZDB-GENE-180314-1	pmm1
ENS DARG00000059050	20.03372484	-1.357398452	0.39028544	2.562227276	0.465293655	-2.917294139	0.003598026	0.069849616	si:dkey-7f3.14	ZDB-GENE-100922-186	si:dkey-7f3.14
ENS DARG00000096738	6.256379796	-1.36544534	0.388114613	2.576558484	0.468636302	-2.913656781	0.003572224	0.070290673	si:zfos-911d5.4	ZDB-GENE-130603-14	si:zfos-911d5.4
ENS DARG00000018478	1006.943139	-1.367781376	0.38748668	2.580733871	0.183380032	-7.458725795	8.73632E-14	3.82692E-11	agxtb	ZDB-GENE-010302-3	agxtb
ENS DARG00000102058	18.07537253	-1.379087296	0.384461944	2.601037675	0.229095406	-6.019707349	1.74733E-09	3.4567E-07	si:dkeyp-11e3.1	ZDB-GENE-141222-55	si:dkeyp-11e3.1
ENS DARG00000075833	9.04494649	-1.39073606	0.381370178	2.622124269	0.40938096	-3.3971684	0.006808071	0.021053203	lyve1a	ZDB-GENE-031118-138	lyve1a
ENS DARG00000058206	105.0803145	-1.390859861	0.381337453	2.62234929	0.482782603	-2.880923741	0.003965116	0.075439708	si:ch211-153b23.5	ZDB-GENE-030131-9744	si:ch211-153b23.5
ENS DARG00000011665	2404.031379	-1.392710357	0.380848638	2.625715045	0.171844198	-8.104494499	5.29653E-16	3.75828E-13	aldoaa	ZDB-GENE-030131-8369	aldoaa
ENS DARG00000101164	12.35085099	-1.393876597	0.380540894	2.627838468	0.457171562	-3.048913608	0.002296705	0.050749147	nansb	ZDB-GENE-041114-125	nansb
ENS DARG00000056587	22.98020697	-1.39486903	0.380279209	2.629646786	0.417007997	-3.34494552	0.00822987	0.024229849	cyp2r1	ZDB-GENE-110114-1	cyp2r1
ENS DARG00000103952	4.256763655	-1.425074417	0.372400156	2.685283514	0.513844007	-2.773360002	0.005548071	0.097027951	CABZ010543991.1		
ENS DARG00000040907	36.12543091	-1.426002306	0.372160719	2.687011146	0.27977769	-5.096912144	3.45238E-07	3.62954E-05	gcgb	ZDB-GENE-040712-2	gcgb
ENS DARG00000020114	151.9891844	-1.426051371	0.372148062	2.687102532	0.195937348	-7.278098768	3.38557E-13	1.35158E-10	slc20a1a	ZDB-GENE-040426-2217	slc20a1a
ENS DARG00000089216	24.75212234	-1.429466904	0.371268056	2.693471695	0.406538125	-2.878866359	0.003991074	0.075713136	zmp:0000001268	ZDB-GENE-140106-228	zmp:0000001268
ENS DARG00000054127	12.27241872	-1.437694949	0.36915665	2.708877115	0.368692123	-3.899445792	9.64131E-05	0.004559919	slc26a6l	ZDB-GENE-080220-10	slc26a6l
ENS DARG00000034181	79.02328018	-1.440711658	0.368385541	2.714547367	0.222931356	-6.462579716	1.02933E-10	2.49179E-08	esr2b	ZDB-GENE-030116-1	esr2b
ENS DARG00000041715	19.89667064	-1.459067672	0.363728109	2.749306348	0.294913928	-4.947435614	7.51976E-07	6.84893E-05	bco2b	ZDB-GENE-060421-7448	bco2b
ENS DARG00000061368	130.392681	-1.493141948	0.355238057	2.815013708	0.176889805	-8.441085368	3.14404E-17	3.21356E-14	klf13	ZDB-GENE-060929-1274	klf13
ENS DARG00000030604	41.90260072	-1.493799462	0.355076193	2.816296954	0.205586894	-7.266024758	3.70221E-13	1.41903E-10	phkg1a	ZDB-GENE-061103-385	phkg1a
ENS DARG00000096721	4.650601279	-1.50996299	0.351120226	2.848027328	0.435094588	-3.470424668	0.000519636	0.01731932	si:rp71-1c10.11	ZDB-GENE-130603-61	si:rp71-1c10.11
ENS DARG00000045051	26.51522229	-1.521051884	0.348431779	2.870002283	0.366551142	-4.149630737	3.33012E-05	0.001856593	slc16a3	ZDB-GENE-030131-5487	slc16a3
ENS DARG00000105494	31.86579948	-1.524634055	0.347567706	2.87713727	0.356744071	-4.273747429	1.92215E-05	0.001178789	si:ch211-113d11.8	ZDB-GENE-160113-48	si:ch211-113d11.8
ENS DARG00000098742	8.39629881	-1.529957555	0.346287555	2.887773429	0.402866753	-3.797676384	0.000146059	0.006352696	lrltm1	ZDB-GENE-161221-2	lrltm1
ENS DARG00000026771	89.17723123	-1.557773059	0.339674999	2.943990588	0.176235786	-8.839141546	9.64569E-19	1.61328E-15	tmem41ab	ZDB-GENE-040426-2050	tmem41ab
ENS DARG00000093936	165.5953377	-1.568993777	0.337043387	2.966977069	0.289018335	-5.428699805	5.67661E-08	7.62323E-06	si:dkeyp-1h4.6	ZDB-GENE-060503-841	si:dkeyp-1h4.6
ENS DARG00000088762	7.59543125	-1.572305596	0.336270565	2.973795821	0.418655536	-3.75560684	0.000172922	0.007313164	si:ch211-224l0.4	ZDB-GENE-090312-125	si:ch211-224l0.4
ENS DARG0000017665	121.8976364	-1.580952315	0.334261172	2.991627623	0.187703301	-8.422613286	3.68178E-17	3.56513E-14	snrkb	ZDB-GENE-040426-1724	snrkb
ENS DARG00000114141	19.20808389	-1.593576372	0.331349036	3.017965621	0.425465412	-3.745489828	0.000180042	0.007477236	CABZ01083546.1		
ENS DARG00000059369	15.02781265	-1.600760975	0.329703024	3.033032538	0.447902842	-3.573902254	0.0003517	0.01276461	si:ch1073-15f12.3	ZDB-GENE-081104-69	si:ch1073-15f12.3
ENS DARG00000029039	3.671651556	-1.612521364	0.327026315	3.057857897	0.50709889	-3.179895273	0.001473283	0.003746341	zdhhc23a	ZDB-GENE-060526-38	zdhhc23a
ENS DARG00000113928	5.981808757	-1.616260442	0.326179848	3.065793322	0.351760584	-4.594774161	4.33218E-06	0.000327998	B3GAT1		
ENS DARG00000102572	70.05706488	-1.631004137	0.322863412	3.097284994	0.224027958	-7.280359797	3.32931E-13	1.35158E-10	si:ch211-260e23.9	ZDB-GENE-141222-48	si:ch211-260e23.9
ENS DARG00000086856	56.76127004	-1.651566254	0.318294415	3.141745359	0.189397553	-8.720103427	2.77948E-18	3.65263E-15	stk35	ZDB-GENE-061103-553	stk35
ENS DARG00000046053	62.50326774	-1.655868558	0.317346633	3.151128436	0.342507097	-4.83455255	1.33445E-06	0.000113663	slc27a6	ZDB-GENE-060825-27	slc27a6

ENSDARG0000029075	97.61254822	-1.660476727	0.316334601	3.161209672	0.169753139	-9.781714438	1.34906E-22	3.35852E-19	pkfkb4b	ZDB-GENE-031031-4	pkfkb4b
ENSDARG0000069459	4.986634463	-1.668568072	0.314565407	3.178989105	0.446217805	-3.739357892	0.000184491	0.007644738	si:dkey-6n21.13	ZDB-GENE-160728-54	si:dkey-6n21.13
ENSDARG0000091860	9.717906297	-1.670347267	0.31417771	3.182911993	0.354196411	-4.715878581	2.4067E-06	0.000196793	zgc:194007	ZDB-GENE-081022-49	zgc:194007
ENSDARG0000075666	286.2778819	-1.678351809	0.312439376	3.200620908	0.24932568	-6.731564146	1.67849E-11	4.47548E-09	tsc22d3	ZDB-GENE-040426-1433	tsc22d3
ENSDARG0000007682	75.4870963	-1.678458762	0.312416215	3.20085819	0.22190975	-7.563699946	3.91763E-14	2.05933E-11	ppdpfa	ZDB-GENE-030219-204	ppdpfa
ENSDARG0000059370	15.09744251	-1.684500552	0.311110598	3.214291012	0.398723564	-4.224732882	2.39224E-05	0.001415193	nr1d4b	ZDB-GENE-080403-6	nr1d4b
ENSDARG0000021250	53.92396603	-1.687520153	0.310460116	3.221025658	0.33816327	-4.990252644	6.03004E-07	5.75366E-05	slc25a48	ZDB-GENE-040718-60	slc25a48
ENSDARG00000102435	18.71855072	-1.694842108	0.308888463	3.237414537	0.321900052	-5.265119091	1.40099E-07	1.64174E-05	plekhf1	ZDB-GENE-040426-1289	plekhf1
ENSDARG0000069715	5.073845583	-1.700160419	0.307751881	3.249370876	0.593738541	-2.863483336	0.004190109	0.078582688	foxi2	ZDB-GENE-031126-2	foxi2
ENSDARG0000096933	3.426671449	-1.702518307	0.307249314	3.254685871	0.537602636	-3.166871203	0.001540885	0.038941224	si:ch211-135n15.2	ZDB-GENE-131121-526	si:ch211-135n15.2
ENSDARG0000056804	43.74488491	-1.706932251	0.306310717	3.264658873	0.614116599	-2.779492124	0.005444397	0.095578266	si:dkey-40g16.6	ZDB-GENE-030131-9110	si:dkey-40g16.6
ENSDARG0000071223	46.20858825	-1.72218185	0.303089998	3.299350047	0.51980025	-3.31316087	0.000922479	0.026435778	zgc:158445	ZDB-GENE-061215-78	zgc:158445
ENSDARG0000087289	7.720179158	-1.722240932	0.303077586	3.299485166	0.401360487	-4.291007682	1.77864E-05	0.001105522	zgc:66473	ZDB-GENE-030131-5708	zgc:66473
ENSDARG0000001975	289.4978447	-1.758829105	0.295487887	3.384233482	0.154499037	-11.3840781	5.01963E-30	2.30878E-26	hsd11b2	ZDB-GENE-030131-6030	hsd11b2
ENSDARG0000099839	20.45024264	-1.767335186	0.293750826	3.404245746	0.640206973	-2.760568475	0.005770086	0.099585406	si:ch211-9d9.1	ZDB-GENE-030131-2657	si:ch211-9d9.1
ENSDARG0000098761	25.45616945	-1.77747186	0.291694106	3.428248907	0.309277129	-5.747181719	9.07432E-09	1.49062E-06	rgs2	ZDB-GENE-040718-410	rgs2
ENSDARG0000092052	26.05752373	-1.786025795	0.289969729	3.448635841	0.461453198	-3.870437569	0.00010864	0.005022015	gstk4	ZDB-GENE-060421-6530	gstk4
ENSDARG0000038199	86.90061253	-1.794178061	0.288330812	3.468178278	0.288330812	-6.055460063	1.40017E-09	2.8308E-07	cdab	ZDB-GENE-040426-1911	cdab
ENSDARG0000077169	33.60946535	-1.810940996	0.285004974	3.50871069	0.554348529	-3.26679138	0.001087738	0.029690365	si:ch211-153b23.4	ZDB-GENE-030131-7332	si:ch211-153b23.4
ENSDARG0000092580	86.57705116	-1.816200966	0.283967757	3.521526565	0.592794503	-3.063795223	0.002185485	0.049063019	si:ch211-95j8.3	ZDB-GENE-091204-307	si:ch211-95j8.3
ENSDARG0000097205	244.3177908	-1.818746675	0.283467123	3.527445964	0.186086037	-9.773686965	1.46039E-22	3.35852E-19	ulk2	ZDB-GENE-090218-30	ulk2
ENSDARG0000021688	29.28319022	-1.824174492	0.282402645	3.541073317	0.654005623	-2.789233652	0.005283293	0.093737309	mxs	ZDB-GENE-030721-5	mxs
ENSDARG0000069615	423.9524308	-1.826753147	0.281898333	3.547378192	0.233894917	-7.810144702	5.71224E-15	3.50312E-12	ckmt2a	ZDB-GENE-030131-5717	ckmt2a
ENSDARG0000027744	167.5747259	-1.829506826	0.281360786	3.554155557	0.292221646	-6.260682096	3.83297E-10	8.39512E-08	gadd45ba	ZDB-GENE-040426-1971	gadd45ba
ENSDARG00000106630	11.83782273	-1.836121458	0.280073724	3.570488467	0.348851978	-5.263325348	1.41473E-07	1.64735E-05	LO018627.1		
ENSDARG00000087188	458.710279	-1.846744418	0.278019038	3.596875984	0.239557554	-7.708980118	2.6827E-14	7.07081E-12	nfil3-6	ZDB-GENE-040704-63	nfil3-6
ENSDARG0000033140	19.26124149	-1.848385394	0.277702988	3.600969535	0.268306756	-6.889075109	5.61563E-12	1.63994E-09	desi1a	ZDB-GENE-040426-1657	desi1a
ENSDARG0000025428	76.81668131	-1.851972473	0.277013372	3.60993403	0.337738779	-5.483446346	4.17119E-08	5.77004E-06	socs3a	ZDB-GENE-030131-7349	socs3a
ENSDARG0000041433	553.2621876	-1.863687536	0.274773059	3.639366984	0.286226983	-6.511222369	7.45417E-11	1.85327E-08	si:dkey-7c18.24	ZDB-GENE-041014-63	si:dkey-7c18.24
ENSDARG0000093844	4462.054517	-1.872819364	0.273039321	3.662476149	0.321641599	-5.822690137	5.79079E-09	9.9569E-07	zgc:136461	ZDB-GENE-060519-7	zgc:136461
ENSDARG0000054835	23.71175891	-1.873899704	0.272834936	3.665219765	0.273894807	-6.841676645	7.82716E-12	2.18188E-09	ugt5f1	ZDB-GENE-100406-6	ugt5f1
ENSDARG0000058673	10.70116894	-1.875742262	0.272486704	3.669903842	0.596800192	-3.142998759	0.001672265	0.041241743	nkl.2	ZDB-GENE-150806-1	nkl.2
ENSDARG0000058673	10.70116894	-1.875742262	0.272486704	3.669903842	0.596800192	-3.142998759	0.001672265	0.041241743	nkl.2	ZDB-GENE-131121-525	nkl.1
ENSDARG00000103199	120.8989847	-1.902473595	0.267848433	3.738536438	0.224266693	-8.483085792	2.19299E-17	2.37333E-11	si:dkey-247k7.2	ZDB-GENE-031118-45	si:dkey-247k7.2
ENSDARG0000076269	6.143505934	-1.903241406	0.267342034	3.740526639	0.496058587	-3.83672706	0.000124685	0.005577773	zgc:172131	ZDB-GENE-080204-47	zgc:172131
ENSDARG0000097959	167.2246746	-1.906320187	0.266772121	3.748517628	0.290595851	-6.560039237	5.37936E-11	1.35575E-08	si:dkey-248g15.3	ZDB-GENE-131127-95	si:dkey-248g15.3
ENSDARG0000036767	7.024015957	-1.9345609	0.261600844	3.822617638	0.462361054	-4.184091379	2.86309E-05	0.001646097	urgcp	ZDB-GENE-120215-160	urgcp
ENSDARG0000031588	291.2902907	-1.937555702	0.261058366	3.830561016	0.339702585	-5.703682536	1.17246E-08	1.84424E-06	si:dkey-239b22.1	ZDB-GENE-131119-12	si:dkey-239b22.1
ENSDARG0000069559	93.96355756	-1.942999004	0.260075246	3.845041059	0.25886879	-7.505729064	6.10876E-14	2.82811E-11	muc13a	ZDB-GENE-061207-26	muc13a
ENSDARG0000013522	2580.434149	-1.948541306	0.25907805	3.859840698	0.392544883	-4.963868828	6.91026E-07	6.38869E-05	pck1	ZDB-GENE-030909-11	pck1
ENSDARG0000089885	53.83462165	-1.948776032	0.259035901	3.860468743	0.27234064	-7.15565637	8.32735E-13	2.89069E-10	slc16a12b	ZDB-GENE-050522-80	slc16a12b
ENSDARG0000042186	1399.125335	-1.976870321	0.25404037	3.936382244	0.614170436	-3.218765027	0.001287439	0.033741182	paplnb	ZDB-GENE-030131-6023	paplnb
ENSDARG0000090468	48.83622291	-1.977182318	0.253985437	3.937233617	0.264393421	-7.478182727	7.53574E-14	3.38152E-11	ppp1r3aa	ZDB-GENE-110914-122	ppp1r3aa
ENSDARG0000096712	145.2698687	-1.997204636	0.250484869	3.992257109	0.242086729	-8.249955061	1.58454E-16	1.2675E-13	si:dkey-193p11.2	ZDB-GENE-030131-8407	si:dkey-193p11.2
ENSDARG0000020239	299.4418007	-2.05608331	0.240467977	4.158557874	0.257132497	-7.996201708	1.28316E-15	8.43128E-13	lpin1	ZDB-GENE-080722-2	lpin1
ENSDARG0000097080	12.98756482	-2.058157865	0.24012244	4.164542064	0.50877474	-4.045322421	5.22512E-05	0.002731014	si:ch73-181m17.1	ZDB-GENE-131122-49	si:ch73-181m17.1
ENSDARG0000052731	13.88585863	-2.06093421	0.239660578	4.172564091	0.443729288	-4.644575571	3.40776E-06	0.00026454	ankrd31	ZDB-GENE-050417-473	ankrd31
ENSDARG0000095615	31.66633725	-2.061650509	0.239541826	4.174636287	0.296441882	-6.954653285	3.5343E-12	1.06597E-09	si:dkeyp-86h10.3	ZDB-GENE-100922-65	si:dkeyp-86h10.3
ENSDARG0000045039	4.37425518	-2.078969104	0.236683476	4.22505202	0.551253537	-3.771348324	0.000162368	0.006947078	kcj16	ZDB-GENE-130603-81	kcj16
ENSDARG0000040433	25.61362374	-2.085058095	0.235686643	4.242921819	0.755077256	-2.761383792	0.0057557	0.099585406	cyp2k22	ZDB-GENE-040426-822	cyp2k22
ENSDARG00000100826	254.3471364	-2.09148553	0.234638957	4.261866876	0.168394507	-12.42015295	2.03173E-35	1.86899E-31	hif1al	ZDB-GENE-040426-1315	hif1al
ENSDARG0000035719	47.81105902	-2.09435337	0.234172997	4.270347193	0.336638313	-6.221375543	4.92815E-10	1.05428E-07	arl5c	ZDB-GENE-040426-1866	arl5c
ENSDARG0000097157	43.78462094	-2.116017807	0.230682776	4.334957374	0.300926532	-7.031675788	2.04068E-12	6.58342E-10	si:ch211-207n23.2	ZDB-GENE-131121-310	si:ch211-207n23.2
ENSDARG0000076520	26.53038433	-2.149907262	0.225327099	4.437992601	0.304211297	-7.067151289	1.58147E-12	5.19568E-10	maf1b	ZDB-GENE-141211-38	maf1b

ENSDARG00000100352	115.3934128	-2.180494222	0.220600166	4.533088167	0.269058689	-8.104158353	5.31119E-16	3.75828E-13	aglb	ZDB-GENE-050309-54	aglb
ENSARG00000101642	440.5745015	-2.233162403	0.212691988	4.701634544	0.480712857	-4.64552252	3.39217E-06	0.000264445	si:ch211-155m12.1	ZDB-GENE-060526-51	si:ch211-155m12.1
ENSARG00000077236	83.05563514	-2.255272292	0.209457247	4.774243971	0.268901978	-8.386968034	4.98841E-17	4.58883E-14	hspb6	ZDB-GENE-080214-7	hspb6
ENSARG00000104576	178.9488895	-2.263796294	0.208223341	4.802535553	0.356827059	-6.344239428	2.23527E-10	5.20563E-08	si:ch211-152c8.5	ZDB-GENE-030131-5764	si:ch211-152c8.5
ENSARG00000058685	5.467235847	-2.271783528	0.207073734	4.829197704	0.540376083	-4.204078603	2.62148E-05	0.00153111	si:dkey-204a24.11	ZDB-GENE-120215-129	si:dkey-204a24.11
ENSARG00000092122	6.681230241	-2.27202488	0.207039095	4.83000566	0.404938881	-5.610791631	2.01403E-08	3.03723E-06	si:ch211-229n2.6	ZDB-GENE-081105-166	si:ch211-229n2.6
ENSARG00000116430	5.118997162	-2.276873628	0.206344426	4.846266116	0.548146923	-4.153765229	3.27049E-05	0.001834464	si:ch73-329n5.2	ZDB-GENE-131121-66	si:ch73-329n5.2
ENSARG00000091209	71.94187003	-2.313460236	0.2011177346	4.970738595	0.317981922	-7.275445792	3.45278E-13	1.35158E-10	ucp3	ZDB-GENE-040426-1317	ucp3
ENSARG00000042667	576.2979129	-2.326565098	0.199358207	5.016096481	0.268364027	-8.669437285	4.34261E-18	5.32636E-15	klf2a	ZDB-GENE-011109-1	klf2a
ENSARG00000075598	345.5087381	-2.32679304	0.199326711	5.016889076	0.66702939	-3.488291636	0.000486118	0.01646597	ambn	ZDB-GENE-090313-258	ambn
ENSARG00000035632	22.98810123	-2.335701598	0.198099673	5.047963918	0.759257119	-3.076298582	0.002095879	0.047841158	ccl19a.2	ZDB-GENE-081022-55	ccl19a.2
ENSARG00000062788	33.96279158	-2.348891749	0.196296758	5.094327641	0.663965188	-3.537673046	0.00040367	0.014173116	irg1l	ZDB-GENE-061103-301	irg1l
ENSARG00000104919	20.88426764	-2.387764869	0.191078205	5.233459264	0.726006821	-3.288901425	0.001005792	0.027958282	si:ch211-153b23.3	ZDB-GENE-141216-408	si:ch211-153b23.3
ENSARG00000097539	25.71138722	-2.401766906	0.189232671	5.284499744	0.527284866	-4.554970301	5.2393E-06	0.000387567	si:ch211-39f2.3	ZDB-GENE-131126-52	si:ch211-39f2.3
ENSARG00000059824	39.90990609	-2.424730813	0.18624443	5.369288084	0.486984293	-4.97907396	6.38892E-07	5.99711E-05	soat2	ZDB-GENE-061013-742	soat2
ENSARG00000093418	3.85973019	-2.44551282	0.183580812	5.44719238	0.654351223	-3.737309158	0.000186	0.007689958	si:dkey-216e24.9	ZDB-GENE-070912-441	si:dkey-216e24.9
ENSARG00000105039	26.6577159	-2.478623331	0.179415529	5.573653556	0.352612141	-7.029319301	2.07544E-12	6.58342E-10	phka1b	ZDB-GENE-091204-81	phka1b
ENSARG00000097559	8.300124602	-2.522807491	0.174004016	5.7168993794	0.625267794	-4.034763208	5.46574E-05	0.002819274	cyp8b3	ZDB-GENE-040912-153	cyp8b3
ENSARG00000037618	102.7295178	-2.603332533	0.164557931	6.076887286	0.44298103	-5.876848791	4.1815E-09	7.32678E-07	ddit4	ZDB-GENE-031002-35	ddit4
ENSARG00000012609	2780.628526	-2.688456467	0.155129346	6.446233587	0.341216303	-7.87903874	3.29909E-15	2.09299E-12	hpx a		
ENSARG00000018621	310.8632036	-2.720727905	0.151697803	6.592053288	0.311606952	-8.731281137	2.51804E-18	3.56361E-15	slc6a19a.1	ZDB-GENE-070620-2	slc6a19a.1
ENSARG00000036833	38.0507555	-2.760725445	0.147549877	6.777369576	0.512375355	-5.388091797	7.12097E-08	9.16165E-06	upp2	ZDB-GENE-040426-830	upp2
ENSARG00000109626	24.11569778	-2.761934187	0.147426299	6.78305028	0.322382956	-8.567246298	1.05989E-17	1.21874E-14	si:ch211-226h7.3	ZDB-GENE-130531-9	si:ch211-226h7.3
ENSARG00000092551	5.668152371	-2.914900156	0.132595144	7.541754332	0.668784556	-4.358503993	1.30955E-05	0.000845369	si:dkey-56e3.2	ZDB-GENE-090313-316	si:dkey-56e3.2
ENSARG00000002293	3.556198957	-2.935725624	0.130694866	7.651409959	0.741520563	-3.959061651	7.52448E-05	0.003691611	si:ch211-197g15.6	ZDB-GENE-050208-457	si:ch211-197g15.6
ENSARG00000003820	236.1325412	-3.004203426	0.124636331	8.023342734	0.388660647	-7.729631096	1.07859E-14	6.2012E-12	nr1d2a	ZDB-GENE-040504-1	nr1d2a
ENSARG00000069377	27.32945936	-3.120641121	0.114972352	8.697743243	0.414765312	-7.523872009	5.31774E-14	2.57463E-11	si:dkey-242g16.2	ZDB-GENE-030131-8324	si:dkey-242g16.2
ENSARG00000069735	21.67953976	-3.132709701	0.114014585	8.770807671	0.806351341	-3.885043085	0.000102312	0.004765396	hbba2	ZDB-GENE-081104-38	hbba2
ENSARG00000004953	17.78406697	-3.146787308	0.112907458	8.85681085	1.102084156	-2.855305823	0.004299541	0.080470953	mxb	ZDB-GENE-030721-6	mxb
ENSARG00000088524	4.051002146	-3.234775917	0.106227123	9.413791611	0.883977812	-3.659340623	0.000252865	0.009773553	acot17	ZDB-GENE-040426-2381	acot17
ENSARG00000068951	4.905756175	-3.264089239	0.104090533	9.607021653	0.758829175	-4.301480948	1.6966E-05	0.001065328	si:ch211-219a15.4	ZDB-GENE-060503-308	si:ch211-219a15.4
ENSARG00000056773	14.06904243	-3.450758319	0.091457271	10.93406778	0.883236061	-3.906949085	9.34688E-05	0.004443513	zgc:163079	ZDB-GENE-030131-7428	zgc:163079
ENSARG00000069734	26.05122144	-3.459243735	0.090920931	10.99856755	0.954400814	-3.624518842	0.0002895	0.010869836	hbba2	ZDB-GENE-040801-164	hbba2
ENSARG00000074150	44.78615756	-3.596257776	0.08268344	12.0943202	0.506539257	-7.09966252	1.25062E-12	4.18343E-10	si:ch211-226h7.5	ZDB-GENE-130531-3	si:ch211-226h7.5
ENSARG00000099719	14.67071504	-3.622816311	0.081175248	12.31902619	0.437417204	-8.282290411	1.20828E-16	1.01046E-13	cdkn1d	ZDB-GENE-110215-1	cdkn1d
ENSARG00000058556	271.5131585	-3.633481265	0.080577382	12.41043058	0.372866468	-9.74472519	1.94304E-22	3.972E-19	muc5.2	ZDB-GENE-121108-1	muc5.2
ENSARG00000092126	11.67012718	-3.698049916	0.077050604	12.97848352	0.775338564	-4.769593682	1.84598E-06	0.000152983	vtg5	ZDB-GENE-001201-4	vtg5
ENSARG00000052779	20.95896098	-3.902750771	0.066858242	14.95701908	0.568471585	-6.865340103	6.6333E-12	1.88864E-09	zgc:153932	ZDB-GENE-070209-223	zgc:153932
ENSARG00000093237	7.954390689	-4.159346298	0.055964419	17.86849595	0.659192374	-7.307452604	2.72254E-13	1.13839E-10	si:ch211-89o9.4	ZDB-GENE-090313-134	si:ch211-89o9.4
ENSARG00000033566	5.085319212	-4.314041627	0.050274073	19.89096862	0.795214555	-5.425003352	5.79535E-08	7.67128E-06	cyp17a1	ZDB-GENE-040213-2	cyp17a1
ENSARG00000068194	97.25695768	-4.670342675	0.039272339	25.4632149	0.372523167	-12.53705295	4.68081E-36	8.61175E-32	klf9	ZDB-GENE-060526-244	klf9
ENSARG00000098995	4.287204823	-5.125812751	0.028640237	34.91591199	0.979863167	-5.231151579	1.68457E-07	1.93705E-05	cyp2k6	ZDB-GENE-040426-1571	cyp2k6
ENSARG00000028396	530.1083819	-5.369350271	0.024191595	41.33667009	0.654434524	-8.204564513	2.31428E-16	1.77409E-13	fkbp5	ZDB-GENE-030616-630	fkbp5
ENSARG0000006137	12.64481614	-5.760153965	0.018451041	54.19748367	0.806961211	-7.138080353	9.46433E-13	3.22453E-10	star	ZDB-GENE-001120-3	star
ENSARG00000103024	8.506805503	-12.46371398	0.000177031	5648.742353	4.185252064	-2.978007966	0.002901284	0.060665592	zgc:175136	ZDB-GENE-080204-122	zgc:175136
ENSARG00000034989	10.57493606	-12.60007462	0.000161064	6208.696162	1.976366166	-6.375374581	1.82516E-10	4.30504E-08	retsatl	ZDB-GENE-051113-252	retsatl
ENSARG00000006580	8.787611977	-13.877376	6.64498E-05	15048.95826	4.132853231	-3.357819702	0.000785598	0.023576948	clndnd	ZDB-GENE-010328-4	clndnd

