

Supplemental Table S5: 21dpf trunk RNA-seq data, genes differentially expressed between <i>nr5a1a;nr5a1b</i> double mutants and wildtypes.									
EnsemblID	baseMean	log2FoldChange	lfcSE	stat	pvalue	padj	EnsemblGeneName	ZFIN_ID	ZFIN_Name
ENSDARG00000100826	254.3471364	-2.239650841	0.168852602	-13.26394037	3.74679E-40	6.71913E-36	hif1a1	ZDB-GENE-040426-1315	hif1a1
ENSDARG00000097205	244.3177908	-2.366493675	0.188093185	-12.58149608	2.66926E-36	2.39339E-32	ulk2	ZDB-GENE-090218-30	ulk2
ENSDARG00000000796	190.208268	-2.519238202	0.208733808	-12.06914313	1.53727E-33	9.18927E-30	nr4a1	ZDB-GENE-040704-11	nr4a1
ENSDARG00000116005	12.8533334	33.65513304	2.813505741	11.96199195	5.61974E-33	2.51947E-29	zgc:171446	ZDB-GENE-080205-1	zgc:171446
ENSDARG00000086856	56.76127004	-2.360755013	0.199851624	-11.81253856	3.36253E-32	1.20601E-28	stk35	ZDB-GENE-061103-553	stk35
ENSDARG00000029075	97.61254822	-2.023405679	0.172889829	-11.70343966	1.2239E-31	3.65803E-28	pfkfb4b	ZDB-GENE-031031-4	pfkfb4b
ENSDARG00000001975	289.4978447	-1.687474058	0.153983271	-10.95881423	6.0284E-28	1.54439E-24	hsd11b2	ZDB-GENE-030131-6030	hsd11b2
ENSDARG00000068194	97.25695768	-3.79302068	0.352539	-10.759152	5.36617E-27	1.20289E-23	klf9	ZDB-GENE-060526-244	klf9
ENSDARG00000058556	271.5131585	-3.981916438	0.375282726	-10.61044424	2.66479E-26	5.30974E-23	muc5.2	ZDB-GENE-121108-1	muc5.2
ENSDARG00000091209	71.94187003	-3.504225375	0.331361441	-10.5752358	3.882E-26	6.96159E-23	ucp3	ZDB-GENE-040426-1317	ucp3
ENSDARG00000019613	383.418124	-1.165068579	0.111655381	-10.43450452	1.72511E-25	2.81241E-22	ip6k2b	ZDB-GENE-040718-85	ip6k2b
ENSDARG00000017665	121.8976364	-1.967419733	0.189961313	-10.35694951	3.89176E-25	5.81591E-22	snrkb	ZDB-GENE-040426-1724	snrkb
ENSDARG00000070426	961.9570551	-1.964983467	0.197587217	-9.944891667	2.65463E-23	3.66196E-20	chac1	ZDB-GENE-030131-1957	chac1
ENSDARG00000087303	376.4473634	-1.91084272	0.19401956	-9.848711764	6.94281E-23	8.89325E-20	cebpd	ZDB-GENE-020111-4	cebpd
ENSDARG00000102048	50.30115692	-1.667024052	0.169816395	-9.816626053	9.5486E-23	1.14157E-19	slc25a43	ZDB-GENE-030616-69	slc25a43
ENSDARG00000037012	111.9606082	-1.533748821	0.160241799	-9.571465312	1.05401E-21	1.18135E-18	slc3a2b	ZDB-GENE-040122-2	slc3a2b
ENSDARG00000087188	458.710279	-2.242458422	0.240360239	-9.329573113	1.06298E-20	1.12132E-17	nfil3-6	ZDB-GENE-040704-63	nfil3-6
ENSDARG00000059646	107.7855135	-1.347907704	0.146051729	-9.228974619	2.73235E-20	2.72218E-17	nt5dc2	ZDB-GENE-060810-17	nt5dc2
ENSDARG00000042667	576.2979129	-2.472594345	0.268560918	-9.206828616	3.35902E-20	3.17039E-17	klf2a	ZDB-GENE-011109-1	klf2a
ENSDARG00000020239	299.4418007	-2.343857631	0.257920841	-9.08750771	1.01335E-19	9.08622E-17	lpin1	ZDB-GENE-080722-2	lpin1
ENSDARG00000100352	115.3934128	-2.449399168	0.270935313	-9.040531261	1.55912E-19	1.33142E-16	aglb	ZDB-GENE-050309-54	aglb
ENSDARG00000035859	214.2492411	-1.565419018	0.173253292	-9.035435893	1.6335E-19	1.33153E-16	angptl4	ZDB-GENE-041111-222	angptl4
ENSDARG00000068708	207.9882285	-1.171568227	0.129820981	-9.024490626	1.80533E-19	1.36575E-16	ifrd1	ZDB-GENE-030131-6132	ifrd1
ENSDARG00000096739	414.1552786	1.487121852	0.164812088	9.023135777	1.82781E-19	1.36575E-16	si:dkey-219e21.2	ZDB-GENE-141215-26	si:dkey-219e21.2
ENSDARG00000099517	448.5743415	-1.53340625	0.172009343	-8.91466836	4.89278E-19	3.50969E-16	adssl1	ZDB-GENE-040516-18	adssl1
ENSDARG00000012609	2780.628526	-3.02543644	0.341358579	-8.862927801	7.79401E-19	5.37577E-16	hpx a		
ENSDARG00000043154	277.2062963	-1.361666246	0.154202681	-8.83036685	1.04333E-18	6.75066E-16	ucp2	ZDB-GENE-990708-8	ucp2
ENSDARG00000093494	34.30948456	-2.491047095	0.282136522	-8.82922593	1.05403E-18	6.75066E-16	si:ch211-217k17.9	ZDB-GENE-061207-21	si:ch211-217k17.9
ENSDARG00000099719	14.67071504	-4.066006503	0.461859174	-8.803563354	1.32539E-18	8.19596E-16	cdkn1d	ZDB-GENE-110215-1	cdkn1d
ENSDARG00000011665	2404.031379	-1.492223822	0.171877737	-8.681891238	3.89242E-18	2.32676E-15	aldoaa	ZDB-GENE-030131-8369	aldoaa
ENSDARG00000003820	236.1325412	-3.380070604	0.390109135	-8.664423102	4.53805E-18	2.62519E-15	nr1d2a	ZDB-GENE-040504-1	nr1d2a
ENSDARG00000011583	75.94517877	-1.611508517	0.186957057	-8.619672049	6.71461E-18	3.76291E-15	cry1b	ZDB-GENE-010426-3	cry1b
ENSDARG00000041607	158.3568523	-1.147519095	0.133773682	-8.578063193	9.64839E-18	5.24317E-15	eif4ebp3l	ZDB-GENE-030826-26	eif4ebp3l
ENSDARG00000067741	231.8302681	-1.193025069	0.139640145	-8.543567988	1.3014E-17	6.86411E-15	itpkcb	ZDB-GENE-080225-27	itpkcb
ENSDARG00000018621	310.8632036	-2.65258295	0.311287983	-8.521314978	1.57752E-17	8.08276E-15	slc6a19a.1	ZDB-GENE-070620-2	slc6a19a.1
ENSDARG00000069615	423.9524308	-1.991482876	0.234246035	-8.501671645	1.8688E-17	9.30921E-15	ckmt2a	ZDB-GENE-030131-5717	ckmt2a
ENSDARG00000026771	89.17723123	-1.468477876	0.174671269	-8.407094571	4.20292E-17	2.03705E-14	tmem41ab	ZDB-GENE-040426-2050	tmem41ab
ENSDARG00000075666	286.2778819	-2.093818693	0.250658102	-8.353285504	6.63899E-17	3.13308E-14	tsc22d3	ZDB-GENE-040426-1433	tsc22d3
ENSDARG00000086685	94.94352214	-1.235898808	0.148557925	-8.319305833	8.848E-17	4.06849E-14	trim63b	ZDB-GENE-040426-1003	trim63b
ENSDARG00000028396	530.1083819	-5.439724015	0.654577081	-8.310287925	9.54701E-17	4.28017E-14	fkbp5	ZDB-GENE-030616-630	fkbp5
ENSDARG00000101778	187.6060301	-1.254831978	0.151580463	-8.278322614	1.24922E-16	5.46398E-14	ca5a	ZDB-GENE-080220-57	ca5a
ENSDARG00000077236	83.05563514	-2.210745834	0.267774977	-8.255983651	1.50656E-16	6.43266E-14	hspb6	ZDB-GENE-080214-7	hspb6
ENSDARG00000075282	139.543891	-1.584073681	0.19446543	-8.14578549	3.76828E-16	1.57155E-13	irs2b	ZDB-GENE-081104-462	irs2b
ENSDARG00000089885	53.83462165	-2.237051513	0.275517304	-8.11945922	4.68265E-16	1.9085E-13	slc16a12b	ZDB-GENE-050522-80	slc16a12b
ENSDARG00000069381	26.06185693	3.368219072	0.417776924	8.062242976	7.49071E-16	2.98513E-13	si:ch211-125e6.5	ZDB-GENE-070912-39	si:ch211-125e6.5
ENSDARG00000007344	220.6744697	-1.857746893	0.234046134	-7.937524358	2.06257E-15	8.04087E-13	tcap	ZDB-GENE-070501-5	tcap
ENSDARG00000096712	145.2698687	-1.898144424	0.240328764	-7.898115854	2.83151E-15	1.08037E-12	si:dkey-193p11.2	ZDB-GENE-030131-8407	si:dkey-193p11.2

ENSDARG00000040510	9.390766129	27.9551319	3.561065327	7.850215972	4.15321E-15	1.55166E-12	ca15b	ZDB-GENE-040426-222	ca15b
ENSDARG00000090870	40.26331531	-16.59803532	2.115806821	-7.844778244	4.33719E-15	1.58732E-12	si:ch1073-263o8.2	ZDB-GENE-030131-5362	si:ch1073-263o8.2
ENSDARG00000103038	97.76709608	-1.1334607	0.14571084	-7.778835806	7.3195E-15	2.62521E-12	pik3r3a	ZDB-GENE-040426-1978	pik3r3a
ENSDARG00000059054	263.9016056	-1.977020567	0.254844325	-7.757757862	8.6444E-15	3.03961E-12	pdk2b	ZDB-GENE-040426-939	pdk2b
ENSDARG00000076773	126.57819	1.786486212	0.231115189	7.729852037	1.07672E-14	3.71322E-12	lrrc58a	ZDB-GENE-090312-76	lrrc58a
ENSDARG00000061368	130.392681	-1.350177028	0.175465328	-7.694836619	1.41675E-14	4.7937E-12	klf13	ZDB-GENE-060929-1274	klf13
ENSDARG00000003109	276.1385781	1.307409261	0.170745084	7.657082912	1.90204E-14	6.31653E-12	rcan1a	ZDB-GENE-040801-135	rcan1a
ENSDARG00000105039	26.6577159	-2.731920678	0.357295126	-7.646117953	2.07138E-14	6.75382E-12	phka1b	ZDB-GENE-091204-81	phka1b
ENSDARG00000056885	289.2717808	-1.187092085	0.155484766	-7.634780681	2.26205E-14	7.24382E-12	per1a	ZDB-GENE-011220-1	per1a
ENSDARG00000069377	27.32945936	-3.130051839	0.410698622	-7.621286445	2.5116E-14	7.90184E-12	si:dkey-242g16.2	ZDB-GENE-030131-8324	si:dkey-242g16.2
ENSDARG00000093237	7.954390689	-4.752693581	0.624932757	-7.605127955	2.84622E-14	8.80022E-12	si:ch211-89o9.4	ZDB-GENE-090313-134	si:ch211-89o9.4
ENSDARG00000060797	110.737801	-1.363183359	0.180932275	-7.534218875	4.91267E-14	1.4703E-11	pfkmb	ZDB-GENE-081114-1	pfkmb
ENSDARG00000042904	331.8452996	-0.975650579	0.129517219	-7.532979701	4.95953E-14	1.4703E-11	foxo3b	ZDB-GENE-990708-6	foxo3b
ENSDARG00000076520	26.53038433	-2.307534296	0.306368746	-7.531885441	5.00128E-14	1.4703E-11	mafb	ZDB-GENE-141211-38	mafb
ENSDARG00000102572	70.05706488	-1.684876208	0.223904055	-7.524991937	5.27236E-14	1.52499E-11	si:ch211-260e23.9	ZDB-GENE-141222-48	si:ch211-260e23.9
ENSDARG00000033140	19.26124149	-2.02332803	0.270774245	-7.472379917	7.87572E-14	2.24183E-11	desi1a	ZDB-GENE-040426-1657	desi1a
ENSDARG00000033614	118.464169	-1.169675417	0.157257894	-7.437944066	1.02264E-13	2.86548E-11	rasgef1ba	ZDB-GENE-030131-5783	rasgef1ba
ENSDARG00000095615	31.66633725	-2.207742557	0.298096937	-7.406122931	1.30045E-13	3.58785E-11	si:dkeyp-86h10.3	ZDB-GENE-100922-65	si:dkeyp-86h10.3
ENSDARG00000036830	5601.453125	-1.146908086	0.155198653	-7.38993582	1.469E-13	3.99144E-11	krt91	ZDB-GENE-040801-181	krt91
ENSDARG00000006137	12.64481614	-4.784640059	0.648765723	-7.374988977	1.64359E-13	4.39917E-11	star	ZDB-GENE-001120-3	star
ENSDARG00000021372	607.5949444	-1.05736783	0.143465372	-7.370195458	1.70378E-13	4.49322E-11	tob1b	ZDB-GENE-040426-2151	tob1b
ENSDARG00000061062	54.51913779	1.031090741	0.140052799	7.362157359	1.80961E-13	4.70316E-11	nemp2	ZDB-GENE-081104-413	nemp2
ENSDARG00000020876	263.3240618	-2.102094494	0.291518288	-7.210849466	5.56039E-13	1.42449E-10	pdk2a	ZDB-GENE-120910-1	pdk2a
ENSDARG00000002271	163.1787692	-1.119758856	0.155833428	-7.185613983	6.69058E-13	1.68989E-10	zfand5b	ZDB-GENE-040426-875	zfand5b
ENSDARG00000013721	2181.888068	-1.627662477	0.226686662	-7.180230476	6.9594E-13	1.73337E-10	g6pca.2	ZDB-GENE-050309-17	g6pca.2
ENSDARG00000069888	106.9338544	-1.298223111	0.181009134	-7.172141433	7.38336E-13	1.81378E-10	cldna	ZDB-GENE-010328-1	cldna
ENSDARG00000030604	41.90260072	-1.454326079	0.202954212	-7.16578417	7.73425E-13	1.8743E-10	phkg1a	ZDB-GENE-061103-385	phkg1a
ENSDARG00000063031	103.9649525	-0.8243047	0.115220824	-7.154129562	8.42055E-13	2.01341E-10	rad54l2	ZDB-GENE-030131-3097	rad54l2
ENSDARG00000020761	198.9465446	-1.301597323	0.182402567	-7.135849816	9.6191E-13	2.26973E-10	arrdc2	ZDB-GENE-030131-7146	arrdc2
ENSDARG00000090468	48.83622291	-1.852722071	0.260402874	-7.114829575	1.12051E-12	2.60963E-10	ppp1r3aa	ZDB-GENE-110914-122	ppp1r3aa
ENSDARG00000087392	15.91016015	16.21097687	2.294777738	7.064290627	1.61439E-12	3.71164E-10	si:ch73-160p18.3	ZDB-GENE-141212-268	si:ch73-160p18.3
ENSDARG00000037618	102.7295178	-3.156854777	0.447942209	-7.047459952	1.82213E-12	4.13624E-10	ddit4	ZDB-GENE-031002-35	ddit4
ENSDARG00000014053	67.45986768	-2.251827407	0.321415837	-7.005962832	2.45293E-12	5.49855E-10	olfm1b	ZDB-GENE-040801-228	olfm1b
ENSDARG00000014179	203.5803529	-1.466793064	0.210315651	-6.974245889	3.07516E-12	6.80825E-10	pfkma	ZDB-GENE-040912-135	pfkma
ENSDARG00000097959	167.2246746	-2.029066125	0.291088284	-6.970621061	3.15545E-12	6.90081E-10	si:dkey-248g15.3	ZDB-GENE-131127-95	si:dkey-248g15.3
ENSDARG00000042055	44.11375974	-2.356974485	0.338646433	-6.95998616	3.40306E-12	7.35266E-10	fam129aa	ZDB-GENE-041014-181	fam129aa
ENSDARG00000011122	141.8906159	-1.582041371	0.228027182	-6.93795082	3.97828E-12	8.49316E-10	pptc7a	ZDB-GENE-041114-74	pptc7a
ENSDARG00000069095	57.29527822	-1.258088041	0.181405089	-6.935241161	4.05529E-12	8.5557E-10	gls2a	ZDB-GENE-081105-57	gls2a
ENSDARG00000104576	178.9488895	-2.479418039	0.357655918	-6.932411605	4.13726E-12	8.62715E-10	si:ch211-152c8.5	ZDB-GENE-030131-5764	si:ch211-152c8.5
ENSDARG00000018478	1006.943139	-1.26996485	0.183268504	-6.929531399	4.22237E-12	8.70342E-10	agxtb	ZDB-GENE-010302-3	agxtb
ENSDARG00000090814	48.20103479	-1.637556623	0.236872136	-6.913251382	4.73669E-12	9.65263E-10	si:dkey-18a10.3	ZDB-GENE-091204-174	si:dkey-18a10.3
ENSDARG00000034181	79.02328018	-1.542411098	0.223314892	-6.906888665	4.95398E-12	9.982E-10	esr2b	ZDB-GENE-030116-1	esr2b
ENSDARG00000091234	36.40978774	-2.052795975	0.298008722	-6.888375476	5.64331E-12	1.12446E-09	si:ch73-335l21.4	ZDB-GENE-160728-105	si:ch73-335l21.4
ENSDARG00000055518	760.7427117	-1.381686904	0.200789985	-6.881254095	5.93279E-12	1.16915E-09	pygma	ZDB-GENE-050522-482	pygma
ENSDARG00000044010	76.68547307	-1.292447138	0.188047124	-6.872996041	6.28673E-12	1.22543E-09	loxl2a	ZDB-GENE-070818-1	loxl2a
ENSDARG00000028804	135.6242268	-1.335833868	0.194897772	-6.854023286	7.18014E-12	1.37541E-09	ankrd9	ZDB-GENE-041114-3	ankrd9
ENSDARG00000075301	15.78589951	-4.44782335	0.648991399	-6.853439598	7.20951E-12	1.37541E-09	gsdf	ZDB-GENE-101029-3	gsdf
ENSDARG00000015164	628.6450649	-1.04173519	0.152385631	-6.836177268	8.13343E-12	1.53533E-09	mknk2b	ZDB-GENE-030829-2	mknk2b
ENSDARG00000106630	11.83782273	-2.618900248	0.384333411	-6.814136303	9.48318E-12	1.77148E-09	L0018627.1		

ENSDARG00000021250	53.92396603	-2.370995266	0.348458773	-6.804234665	1.01588E-11	1.87812E-09	slc25a48	ZDB-GENE-040718-60	slc25a48
ENSDARG00000055523	163.2827773	-1.319073188	0.194234797	-6.791127063	1.11261E-11	2.03596E-09	slc22a6l	ZDB-GENE-040426-2249	slc22a6l
ENSDARG00000078619	539.8285291	-1.778260432	0.262515201	-6.773933183	1.25328E-11	2.2702E-09	pnp5a	ZDB-GENE-040426-2553	pnp5a
ENSDARG00000027744	167.5747259	-1.982004729	0.292842693	-6.768154971	1.30435E-11	2.33909E-09	gadd45ba	ZDB-GENE-040426-1971	gadd45ba
ENSDARG00000033160	498.1319466	-1.045905283	0.154666243	-6.762337181	1.35783E-11	2.41089E-09	nr1d1	ZDB-GENE-050105-1	nr1d1
ENSDARG00000070914	314.0507767	-0.897870436	0.132912858	-6.755331643	1.42509E-11	2.5055E-09	dup6	ZDB-GENE-030613-1	dup6
ENSDARG00000038429	130.2648377	-1.027098417	0.152491054	-6.735466709	1.63405E-11	2.84498E-09	csnrp1b	ZDB-GENE-030131-1515	csnrp1b
ENSDARG00000042807	134.0536702	-1.139853061	0.169583859	-6.721471402	1.79899E-11	3.10204E-09	slc16a4	ZDB-GENE-070112-602	slc16a4
ENSDARG00000078297	48.75673985	1.599475633	0.23985858	6.668411163	2.58587E-11	4.41643E-09	ptprh	ZDB-GENE-091118-90	ptprh
ENSDARG0000007682	758.4870963	-1.473458935	0.221604931	-6.649034956	2.95021E-11	4.99114E-09	ppdpfa	ZDB-GENE-030219-204	ppdpfa
ENSDARG00000061242	186.1663469	-1.116956163	0.168099087	-6.644629553	3.03981E-11	5.09466E-09	tuft1a	ZDB-GENE-061103-184	tuft1a
ENSDARG00000078394	4.975737802	31.48659908	4.762063474	6.611965433	3.79251E-11	6.29732E-09	CABZ01059627.1		
ENSDARG00000056795	72.3316185	-1.216170837	0.184411984	-6.594857953	4.25663E-11	7.00314E-09	serpine1	ZDB-GENE-070912-60	serpine1
ENSDARG00000098103	134.5789462	-0.977219773	0.149523895	-6.535542507	6.33794E-11	1.03326E-08	tefb	ZDB-GENE-050522-224	tefb
ENSDARG00000105499	8.933914054	16.69354671	2.560662096	6.519230606	7.06689E-11	1.14172E-08	zgc:175135	ZDB-GENE-080214-1	zgc:175135
ENSDARG00000069282	16.89652459	-2.072046837	0.319208711	-6.49119765	8.51567E-11	1.3635E-08	bbc3	ZDB-GENE-070119-4	bbc3
ENSDARG00000031702	65.91818218	-1.317186468	0.204644927	-6.436448185	1.22302E-10	1.93635E-08	prkg1b	ZDB-GENE-080225-40	prkg1b
ENSDARG00000043009	158.7153387	-0.787840024	0.122421565	-6.435467683	1.23094E-10	1.93635E-08	fam43a	ZDB-GENE-030131-6098	fam43a
ENSDARG00000040059	111.0650733	-1.65324438	0.257689734	-6.415949955	1.39947E-10	2.18233E-08	gbp	ZDB-GENE-990714-7	gbp
ENSDARG00000038398	15.00577126	-1.755853267	0.273803453	-6.412823687	1.42849E-10	2.20837E-08	pmm1	ZDB-GENE-180314-1	pmm1
ENSDARG00000035869	920.6705713	-0.568304293	0.089071395	-6.380323234	1.76715E-10	2.70857E-08	azin1b	ZDB-GENE-030121-1	azin1b
ENSDARG00000069540	26.33426923	-1.144832509	0.183237942	-6.247791798	4.16296E-10	6.32664E-08	si:dkey-30c15.2	ZDB-GENE-060503-543	si:dkey-30c15.2
ENSDARG00000020455	61.03755574	-0.969416386	0.155280619	-6.242996646	4.29266E-10	6.46893E-08	si:ch211-171h4.3	ZDB-GENE-081031-85	si:ch211-171h4.3
ENSDARG00000076895	75.79404621	0.770717072	0.124945537	6.168424183	6.89739E-10	1.03076E-07	flrt3	ZDB-GENE-030131-1988	flrt3
ENSDARG00000096849	107.1919847	-0.862527584	0.139894078	-6.165576096	7.0227E-10	1.04081E-07	si:dkey-16p21.8	ZDB-GENE-131121-428	si:dkey-16p21.8
ENSDARG00000054835	23.71175891	-1.613893038	0.261847123	-6.163493481	7.11573E-10	1.04595E-07	ugt5f1	ZDB-GENE-100406-6	ugt5f1
ENSDARG00000060109	30.04494609	1.173637639	0.190607027	6.157368156	7.39638E-10	1.07837E-07	aggf1	ZDB-GENE-060929-836	aggf1
ENSDARG00000092126	11.67012718	-5.152473942	0.838036884	-6.148266313	7.83344E-10	1.13288E-07	vtg5	ZDB-GENE-001201-4	vtg5
ENSDARG00000020645	132.314852	-1.137775562	0.185321034	-6.139484224	8.27898E-10	1.18774E-07	slc7a3a	ZDB-GENE-041114-206	slc7a3a
ENSDARG00000035719	47.81105902	-2.056036119	0.334971554	-6.137942453	8.35971E-10	1.1898E-07	arl5c	ZDB-GENE-040426-1866	arl5c
ENSDARG00000031616	56.80693832	-1.212831537	0.197638236	-6.136623973	8.42936E-10	1.19027E-07	g6pca.1	ZDB-GENE-031001-4	g6pca.1
ENSDARG00000093584	40.98829869	-2.331251377	0.380255221	-6.130754417	8.74633E-10	1.22537E-07	zgc:193505	ZDB-GENE-030131-7103	zgc:193505
ENSDARG00000012366	48.00462376	-1.229702705	0.201040818	-6.116681772	9.55439E-10	1.32821E-07	fbp2	ZDB-GENE-040822-23	fbp2
ENSDARG00000095434	14.43394992	-2.814916037	0.461956408	-6.09346681	1.10491E-09	1.52418E-07	si:ch211-217k17.8	ZDB-GENE-031010-46	si:ch211-217k17.8
ENSDARG00000091260	132.01416	-1.058388753	0.175135913	-6.04324227	1.51048E-09	2.06774E-07	mylk4a	ZDB-GENE-120824-2	mylk4a
ENSDARG00000028017	83.36313864	-2.136470262	0.355427486	-6.010987746	1.84396E-09	2.50514E-07	tp53inp1	ZDB-GENE-031018-3	tp53inp1
ENSDARG00000098761	25.45616945	-1.853134021	0.30915917	-5.994109824	2.04603E-09	2.75876E-07	rgs2	ZDB-GENE-040718-410	rgs2
ENSDARG00000040815	442.5965278	-0.827524443	0.138338615	-5.981875996	2.20582E-09	2.95202E-07	tsku	ZDB-GENE-030131-4683	tsku
ENSDARG00000058094	294.2737347	-0.782684571	0.131182798	-5.966365879	2.42596E-09	3.22257E-07	ciarta	ZDB-GENE-030131-7016	ciarta
ENSDARG00000103826	327.7713301	-1.128185265	0.189206895	-5.962706947	2.48093E-09	3.27136E-07	gpib	ZDB-GENE-020513-3	gpib
ENSDARG00000015611	34.07155095	-1.248978652	0.209533549	-5.960757405	2.51071E-09	3.28647E-07	rasl11b	ZDB-GENE-040426-793	rasl11b
ENSDARG00000002745	1090.714489	-0.518178362	0.087035954	-5.953612684	2.62287E-09	3.4084E-07	tdh	ZDB-GENE-040426-2379	tdh
ENSDARG00000088813	81.85010095	-1.326053829	0.223148103	-5.942483083	2.80737E-09	3.62191E-07	ppp1r3ab	ZDB-GENE-050309-246	ppp1r3ab
ENSDARG00000005104	140.5162141	-0.672470571	0.113258646	-5.937476719	2.89442E-09	3.70755E-07	limk2	ZDB-GENE-040718-398	limk2
ENSDARG00000102020	111.5294555	-1.028667444	0.173355276	-5.933868669	2.95879E-09	3.76311E-07	pnpla3	ZDB-GENE-040718-27	pnpla3
ENSDARG00000020114	151.9891844	-1.15036388	0.19391837	-5.932206851	2.9889E-09	3.77464E-07	slc20a1a	ZDB-GENE-040426-2217	slc20a1a
ENSDARG00000038583	150.7398641	-1.081483715	0.182854625	-5.914445501	3.32995E-09	4.17595E-07	abraa	ZDB-GENE-120730-1	abraa
ENSDARG00000055283	137.7034132	0.743130398	0.125779251	5.908211357	3.45842E-09	4.29594E-07	id2a	ZDB-GENE-020910-1	id2a
ENSDARG00000003281	49.75440558	-1.407562431	0.238267336	-5.9074922	3.47355E-09	4.29594E-07	pik3ip1	ZDB-GENE-031030-14	pik3ip1

ENSDARG00000105403	73.05777163	-1.272777922	0.215583418	-5.903876711	3.55058E-09	4.36113E-07	abcc6b.1	ZDB-GENE-050517-19	abcc6b.1
ENSDARG00000104292	50.42321371	-0.894089735	0.152344465	-5.86886918	4.38777E-09	5.35279E-07	ccn2b	ZDB-GENE-070705-82	ccn2b
ENSDARG00000053961	42.8396183	-1.387606375	0.237144532	-5.851310856	4.87714E-09	5.90957E-07	slc2a11a	ZDB-GENE-080723-20	slc2a11a
ENSDARG00000099614	169.3642868	0.552265612	0.094620507	5.836637606	5.32648E-09	6.41072E-07	purab	ZDB-GENE-141216-78	purab
ENSDARG00000016290	1333.734282	1.170430546	0.200700319	5.831732366	5.48549E-09	6.55808E-07	clca1	ZDB-GENE-030131-6221	clca1
ENSDARG00000020693	443.3608104	-0.713898774	0.122646144	-5.820800786	5.85663E-09	6.95543E-07	sesn1	ZDB-GENE-040718-408	sesn1
ENSDARG00000104470	89.02997551	-0.992953188	0.170631785	-5.81927445	5.91036E-09	6.97306E-07	syngnr2b	ZDB-GENE-070424-19	syngnr2b
ENSDARG00000016143	127.8139121	-0.844136078	0.145106674	-5.817348405	5.97884E-09	7.00775E-07	xiap	ZDB-GENE-030825-7	xiap
ENSDARG00000040253	62.46944014	-1.787219213	0.308571174	-5.791918899	6.95867E-09	8.10324E-07	onecutl	ZDB-GENE-020531-1	onecutl
ENSDARG00000019498	36.29018107	-1.49463278	0.25990193	-5.750756765	8.88449E-09	1.02791E-06	cry5	ZDB-GENE-010426-8	cry5
ENSDARG00000077982	114.4860993	1.030778269	0.179314605	5.748434541	9.00735E-09	1.03544E-06	elf3	ZDB-GENE-030131-8760	elf3
ENSDARG00000031426	25.39200654	-1.268224891	0.220741273	-5.745300248	9.1758E-09	1.04809E-06	csnrp1a	ZDB-GENE-070912-475	csnrp1a
ENSDARG00000041433	553.2621876	-1.641228597	0.285925196	-5.740062856	9.46414E-09	1.07418E-06	si:dkey-7c18.24	ZDB-GENE-041014-63	si:dkey-7c18.24
ENSDARG00000057571	846.9048483	-0.941285891	0.164111037	-5.735664763	9.71306E-09	1.0955E-06	pgam2	ZDB-GENE-040116-6	pgam2
ENSDARG00000007693	252.6128494	-0.942173137	0.164638382	-5.722682176	1.04855E-08	1.16906E-06	nfkbiab	ZDB-GENE-030131-1819	nfkbiab
ENSDARG00000017049	156.2836699	-0.717627142	0.125404079	-5.722518329	1.04957E-08	1.16906E-06	adsl	ZDB-GENE-030131-6363	adsl
ENSDARG00000058371	7784.575101	-0.835183734	0.146652337	-5.694990949	1.23378E-08	1.36577E-06	krt5	ZDB-GENE-991110-23	krt5
ENSDARG00000027355	2505.201806	-0.704312934	0.123700551	-5.693692798	1.24321E-08	1.36776E-06	slc25a4	ZDB-GENE-030131-5275	slc25a4
ENSDARG00000039093	1349.623767	-0.616681555	0.108784373	-5.668843193	1.43765E-08	1.57203E-06	got1	ZDB-GENE-040426-2003	got1
ENSDARG00000019541	697.8367496	-0.670306432	0.118324054	-5.66500564	1.4702E-08	1.59788E-06	gpt2l	ZDB-GENE-050302-11	gpt2l
ENSDARG00000058285	59.41922036	-1.149332768	0.204902973	-5.609156139	2.03316E-08	2.19642E-06	cpt1b	ZDB-GENE-041010-9	cpt1b
ENSDARG00000045423	22.06476979	-15.38848842	2.744050142	-5.607947241	2.0474E-08	2.19857E-06	si:ch211-146110.8	ZDB-GENE-160113-6	si:ch211-146110.8
ENSDARG00000101362	68.95832242	-1.202858662	0.214658854	-5.603582791	2.09966E-08	2.24126E-06	mibp	ZDB-GENE-030404-1	mibp
ENSDARG00000025428	76.81668131	-1.886419884	0.237585205	-5.587981507	2.29724E-08	2.43766E-06	socs3a	ZDB-GENE-030131-7349	socs3a
ENSDARG00000033566	5.085319212	-4.399698052	0.788182925	-5.582077345	2.37663E-08	2.50706E-06	cyp17a1	ZDB-GENE-040213-2	cyp17a1
ENSDARG00000074624	343.0883167	0.370103834	0.066330736	5.579673221	2.40971E-08	2.52041E-06	si:ch211-198a12.6	ZDB-GENE-030131-1683	si:ch211-198a12.6
ENSDARG00000040278	5.278019779	-2.254593885	0.404112864	-5.579119313	2.41739E-08	2.52041E-06	klhl38b	ZDB-GENE-120727-8	klhl38b
ENSDARG00000020298	119.7201683	-1.406627758	0.252531062	-5.570117785	2.54567E-08	2.63882E-06	btg2	ZDB-GENE-000210-15	btg2
ENSDARG00000041602	42.29408662	-0.834948123	0.150187939	-5.559355371	2.70773E-08	2.79067E-06	zgc:92335	ZDB-GENE-040718-152	zgc:92335
ENSDARG00000059923	76.58200978	-0.88385602	0.159432495	-5.54376334	2.96039E-08	3.03364E-06	slc25a47a	ZDB-GENE-060616-266	slc25a47a
ENSDARG00000063572	867.7332935	-0.619291929	0.111946106	-5.532054216	3.16502E-08	3.21598E-06	perp	ZDB-GENE-050104-1	perp
ENSDARG00000041051	65.62418397	-1.256619045	0.227173193	-5.53154634	3.1742E-08	3.21598E-06	mid1ip1a	ZDB-GENE-990415-81	mid1ip1a
ENSDARG00000058322	77.48477465	-0.740252296	0.134032775	-5.522920025	3.33412E-08	3.35903E-06	enc3	ZDB-GENE-030131-5742	enc3
ENSDARG00000058218	190.7421744	0.994777077	0.180437159	5.513149752	3.52468E-08	3.53118E-06	fam151a	ZDB-GENE-070705-105	fam151a
ENSDARG00000075698	68.11608632	1.287278683	0.233783592	5.506283286	3.66489E-08	3.65124E-06	nkpd1	ZDB-GENE-141215-19	nkpd1
ENSDARG00000063229	158.5396273	0.726138162	0.131922226	5.50428979	3.70659E-08	3.6724E-06	xpo1b	ZDB-GENE-070530-6	xpo1b
ENSDARG00000100952	634.3897454	-1.25076487	0.22739518	-5.500401864	3.78927E-08	3.73368E-06	wu:fj16a03	ZDB-GENE-030131-7415	wu:fj16a03
ENSDARG00000037099	84.99516129	-2.281508825	0.414929388	-5.498547208	3.82933E-08	3.75253E-06	irs2a	ZDB-GENE-040426-975	irs2a
ENSDARG00000036833	38.0507555	-2.796522383	0.51206536	-5.461260616	4.72765E-08	4.60766E-06	upp2	ZDB-GENE-040426-830	upp2
ENSDARG00000058678	39.60193673	1.09056891	0.201077153	5.423634123	5.83994E-08	5.66095E-06	aqp10b	ZDB-GENE-060503-57	aqp10b
ENSDARG00000076779	475.7810483	-0.641780375	0.118391179	-5.420846229	5.93176E-08	5.71904E-06	fam13b	ZDB-GENE-030131-4913	fam13b
ENSDARG00000092931	103.4164754	1.194120316	0.222503895	5.366738938	8.0173E-08	7.68846E-06	si:ch211-114c12.5	ZDB-GENE-060526-13	si:ch211-114c12.5
ENSDARG00000036107	853.4621967	-0.863466867	0.161966715	-5.331137734	9.75994E-08	9.29889E-06	txnipa	ZDB-GENE-030804-10	txnipa
ENSDARG00000099954	95.05040735	-0.690116862	0.129468409	-5.330388066	9.80031E-08	9.29889E-06	plekhm1	ZDB-GENE-030131-2752	plekhm1
ENSDARG00000009505	362.0432403	-0.924585201	0.17457116	-5.296322735	1.18158E-07	1.11522E-05	prelid3b	ZDB-GENE-031002-13	prelid3b
ENSDARG00000075564	132.6191954	-0.923783839	0.174454241	-5.295278779	1.18835E-07	1.11574E-05	fam13a	ZDB-GENE-050208-102	fam13a
ENSDARG00000094265	21.24000331	1.452535901	0.274934617	5.283204845	1.26943E-07	1.18566E-05	si:dkey-183n20.15	ZDB-GENE-041001-160	si:dkey-183n20.15
ENSDARG00000074663	79.14999591	-0.914434446	0.174280679	-5.246906606	1.54674E-07	1.43719E-05	SAMD8	ZDB-GENE-070410-30	zgc:162183
ENSDARG00000060051	123.0987004	-0.914792526	0.175089118	-5.224725181	1.74414E-07	1.61225E-05	slc47a2.1	ZDB-GENE-070112-1472	slc47a2.1

ENSDARG00000034600	116.7635806	-0.5511569	0.105910464	-5.203989092	1.95055E-07	1.79381E-05	tmem165	ZDB-GENE-030131-3222	tmem165
ENSDARG00000052779	20.95896098	-2.816734407	0.541703885	-5.199767783	1.99538E-07	1.82567E-05	zgc:153932	ZDB-GENE-070209-223	zgc:153932
ENSDARG00000087844	36.43257045	-0.915476752	0.17623536	-5.194625835	2.05132E-07	1.86733E-05	plekhn1	ZDB-GENE-090313-357	plekhn1
ENSDARG00000105498	9.376054523	-1.483566251	0.286299013	-5.181876937	2.19664E-07	1.98162E-05	TSC2D23 (1 of many)	ZDB-GENE-160114-28	si:ch211-220e11.3
ENSDARG00000097855	117.8529278	0.914817203	0.176548426	5.181678605	2.19898E-07	1.98162E-05	BX323586.3		
ENSDARG00000077396	188.80349	-0.709492608	0.137107175	-5.17472996	2.28241E-07	2.04652E-05	tlcd2	ZDB-GENE-080204-81	tlcd2
ENSDARG00000099395	24.30134421	-1.032922196	0.199810547	-5.169507859	2.34711E-07	2.09407E-05	cables1	ZDB-GENE-070912-509	cables1
ENSDARG00000012968	185.9436121	-0.523443373	0.10132113	-5.1666181766	2.38924E-07	2.12111E-05	rhoub	ZDB-GENE-050417-308	rhoub
ENSDARG00000014577	87.40177329	-0.763263755	0.148223475	-5.149412093	2.61304E-07	2.30836E-05	rhpn2	ZDB-GENE-030131-9927	rhpn2
ENSDARG00000026500	18.10558618	-1.381807856	0.268449276	-5.147370391	2.64163E-07	2.32218E-05	xkr9	ZDB-GENE-060421-6224	xkr9
ENSDARG00000114503	28.36675513	-1.141435473	0.222078144	-5.139792021	2.75043E-07	2.39508E-05	phtf2	ZDB-GENE-040711-4	phtf2
ENSDARG00000002396	69.4313274	-0.75621485	0.147131121	-5.139734187	2.75127E-07	2.39508E-05	cry-dash	ZDB-GENE-040617-2	cry-dash
ENSDARG00000100792	1075.127895	-1.22075384	0.238017794	-5.128834364	2.91542E-07	2.52571E-05	zgc:154142	ZDB-GENE-070615-2	zgc:154142
ENSDARG00000034941	57.295966	1.096568864	0.213933828	5.125738537	2.96374E-07	2.55523E-05	si:dkey-224e22.2	ZDB-GENE-061207-59	si:dkey-224e22.2
ENSDARG00000028517	54.84244944	-1.140119243	0.222791024	-5.117437953	3.09714E-07	2.65746E-05	hbp1	ZDB-GENE-050522-414	hbp1
ENSDARG00000116430	5.118997162	-3.816652921	0.746165339	-5.115023067	3.13703E-07	2.67887E-05	si:ch73-329n5.2	ZDB-GENE-131121-66	si:ch73-329n5.2
ENSDARG00000091127	372.2469986	-0.75117844	0.146911511	-5.113133538	3.16855E-07	2.69297E-05	klf15	ZDB-GENE-030131-7844	klf15
ENSDARG00000009459	16.94696219	-1.297068551	0.25427032	-5.10114021	3.37613E-07	2.85586E-05	slc35e4	ZDB-GENE-050417-407	slc35e4
ENSDARG00000101135	52.95969954	-1.091469175	0.21502215	-5.076077857	3.85305E-07	3.24398E-05	si:dkey-85k7.7	ZDB-GENE-040128-7	si:dkey-85k7.7
ENSDARG00000099860	1211.850691	-0.845077905	0.166932282	-5.062399515	4.14012E-07	3.46938E-05	pkmb	ZDB-GENE-040801-230	pkmb
ENSDARG00000033832	964.6956993	-1.295357397	0.256400272	-5.05209057	4.37E-07	3.64499E-05	ampd1	ZDB-GENE-040426-1906	ampd1
ENSDARG00000101637	227.2582874	0.605558982	0.11995362	5.048275999	4.45815E-07	3.70129E-05	ccnd1	ZDB-GENE-980526-176	ccnd1
ENSDARG00000041554	109.9917485	0.983975529	0.195045876	5.044841487	4.53898E-07	3.75103E-05	unc93a	ZDB-GENE-041014-304	unc93a
ENSDARG00000059824	39.90990609	-2.445438729	0.485928356	-5.0325088	4.84102E-07	3.9823E-05	soat2	ZDB-GENE-061013-742	soat2
ENSDARG00000103294	84.29951124	0.785133783	0.156216385	5.025937483	5.00979E-07	4.10231E-05	si:ch211-221j21.3	ZDB-GENE-030131-1805	si:ch211-221j21.3
ENSDARG00000018111	56.1845452	-0.717552598	0.143154387	-5.012438765	5.37445E-07	4.38091E-05	kdm7aa	ZDB-GENE-030131-9829	kdm7aa
ENSDARG00000054222	121.5195122	0.686582482	0.13711716	5.007268825	5.52078E-07	4.47983E-05	fbxl8	ZDB-GENE-051120-81	fbxl8
ENSDARG00000032272	16.59558397	-1.116403838	0.223338592	-4.998705465	5.77165E-07	4.6623E-05	sat1b	ZDB-GENE-041001-39	sat1b
ENSDARG00000068763	143.0070514	0.630369608	0.12650647	4.982904102	6.2637E-07	5.03708E-05	plcg2	ZDB-GENE-030131-9532	plcg2
ENSDARG00000068763	143.0070514	0.630369608	0.12650647	4.982904102	6.2637E-07	5.03708E-05	plcg2	ZDB-GENE-050419-140	meak7
ENSDARG00000087093	60.60172512	-1.548606477	0.31087175	-4.981496316	6.30945E-07	5.05122E-05	si:ch211-157c3.4	ZDB-GENE-030131-8454	si:ch211-157c3.4
ENSDARG00000045444	73.01851394	0.914426573	0.183728758	4.977046509	6.45618E-07	5.12373E-05	fzd8a	ZDB-GENE-000328-3	fzd8a
ENSDARG00000032197	30.44438066	-0.966912199	0.194275444	-4.977017049	6.45716E-07	5.12373E-05	klf12b	ZDB-GENE-071004-22	klf12b
ENSDARG00000056226	221.7050368	0.722898809	0.145552822	4.966573638	6.81462E-07	5.38355E-05	creb3l3a	ZDB-GENE-030131-4298	creb3l3a
ENSDARG00000056141	226.4510902	-0.517074621	0.104476781	-4.949182175	7.4526E-07	5.86173E-05	coq10b	ZDB-GENE-050417-263	coq10b
ENSDARG00000019810	77.01386623	0.552413511	0.111671457	4.946774453	7.54533E-07	5.90875E-05	nfe2l3	ZDB-GENE-040426-2334	nfe2l3
ENSDARG00000011618	101.6020293	-1.127403568	0.228225915	-4.939857807	7.81796E-07	6.09563E-05	slc26a2	ZDB-GENE-030717-3	slc26a2
ENSDARG00000116806	229.9759762	-0.887440522	0.180079366	-4.928052237	8.30534E-07	6.44761E-05	CU693479.1		
ENSDARG00000092551	5.668152371	-3.730848138	0.758159405	-4.920928388	8.61346E-07	6.65799E-05	si:dkey-56e3.2	ZDB-GENE-090313-316	si:dkey-56e3.2
ENSDARG00000032618	63.10175182	0.889474061	0.180957844	4.915366157	8.86167E-07	6.82044E-05	mgst1.1	ZDB-GENE-041010-30	mgst1.1
ENSDARG00000104687	28.92225509	1.269449485	0.259780258	4.886628003	1.02578E-06	7.86122E-05	slc16a9b	ZDB-GENE-040801-69	slc16a9b
ENSDARG00000077473	172.0126919	-0.971156341	0.198819814	-4.884605417	1.03636E-06	7.90854E-05	mych	ZDB-GENE-030219-51	mych
ENSDARG00000055412	43.67825506	-1.083306769	0.221913161	-4.881669773	1.05191E-06	7.9932E-05	mylk4b	ZDB-GENE-041001-128	mylk4b
ENSDARG00000016875	430.5495735	-0.574281656	0.117908604	-4.870566143	1.11279E-06	8.42011E-05	gys1	ZDB-GENE-040426-1243	gys1
ENSDARG00000045886	457.1720475	-0.635283993	0.130518434	-4.867389038	1.13082E-06	8.52061E-05	slc38a2	ZDB-GENE-030131-9659	slc38a2
ENSDARG00000090072	109.9263968	0.64552779	0.132764481	4.8622025	1.16087E-06	8.70417E-05	CU462878.1		
ENSDARG00000061081	116.0475529	-0.914828777	0.188177612	-4.861517634	1.16489E-06	8.70417E-05	arpp21	ZDB-GENE-081104-296	arpp21
ENSDARG00000105214	95.15185195	-0.621045193	0.127806061	-4.859278113	1.17815E-06	8.76667E-05	agtpbp1	ZDB-GENE-081104-267	agtpbp1
ENSDARG00000056986	40.59267571	1.029193805	0.212076223	4.852942925	1.21643E-06	9.01413E-05	dact2	ZDB-GENE-030131-9975	dact2

ENSDARG0000033501	8.08042004	-1.706488926	0.351726259	-4.851752988	1.22375E-06	9.03107E-05	zgc:64189	ZDB-GENE-040426-1397	zgc:64189
ENSDARG0000017180	298.0362864	-0.507436304	0.104696938	-4.846715783	1.25522E-06	9.22536E-05	npc1	ZDB-GENE-030131-3161	npc1
ENSDARG0000097613	37.21749671	-1.66970297	0.344890164	-4.841260049	1.29018E-06	9.44362E-05	igfn1.3	ZDB-GENE-131122-44	igfn1.3
ENSDARG0000076238	92.1028028	0.676825092	0.139833061	4.840236542	1.29685E-06	9.44761E-05	gramd1c	ZDB-GENE-050506-88	gramd1c
ENSDARG0000008310	118.5000613	-0.538996364	0.1113173	-4.839560419	1.30127E-06	9.44761E-05	ip6k2a	ZDB-GENE-030131-760	ip6k2a
ENSDARG0000052900	8.037847019	2.967400452	0.614738704	4.827092282	1.38541E-06	0.00010018	zgc:153642	ZDB-GENE-061013-527	zgc:153642
ENSDARG0000075017	61.13548985	-0.949037596	0.19677956	-4.822846418	1.41524E-06	0.000101926	myzap	ZDB-GENE-041111-91	myzap
ENSDARG0000025788	98.63654305	0.654826058	0.135828195	4.82098771	1.42849E-06	0.000102469	chp2	ZDB-GENE-030131-5810	chp2
ENSDARG0000099902	39.12955985	-0.933598216	0.193818747	-4.816862299	1.45833E-06	0.000104025	il17rc	ZDB-GENE-120111-3	il17rc
ENSDARG0000098821	58.83515802	-0.759588642	0.157709166	-4.816388668	1.4618E-06	0.000104025	sec1411	ZDB-GENE-040426-801	sec1411
ENSDARG0000020086	28.33893851	-0.976767993	0.202916971	-4.813633822	1.4821E-06	0.000104723	nuak1a	ZDB-GENE-041210-122	nuak1a
ENSDARG00000103991	142.7446227	-0.642239017	0.133425245	-4.813474512	1.48329E-06	0.000104723	sec1411	ZDB-GENE-040426-801	sec1411
ENSDARG0000040926	92.94232742	0.714091492	0.148481089	4.809309379	1.51453E-06	0.000106487	nr2f2	ZDB-GENE-990415-252	nr2f2
ENSDARG0000098995	4.287204823	-4.549121664	0.946044536	-4.808570305	1.52014E-06	0.000106487	cyp2k6	ZDB-GENE-040426-1571	cyp2k6
ENSDARG0000023062	126.1387418	-0.821243724	0.170831557	-4.807330319	1.52959E-06	0.000106732	ccn1	ZDB-GENE-040426-3	ccn1
ENSDARG00000115257	18.9305605	1.778387464	0.370458156	4.800508335	1.58263E-06	0.000109669	si:ch73-338o16.4	ZDB-GENE-131119-14	si:ch73-338o16.4
ENSDARG0000038639	20.44349338	-2.107427823	0.439015757	-4.800346657	1.58391E-06	0.000109669	elovl6l	ZDB-GENE-031110-3	elovl6l
ENSDARG0000029443	74.64110634	-0.798507288	0.166549253	-4.794421314	1.63145E-06	0.000112526	zgc:92242	ZDB-GENE-040718-371	zgc:92242
ENSDARG0000046053	62.50326774	-1.634527377	0.341800278	-4.782112492	1.73463E-06	0.000119184	slc27a6	ZDB-GENE-060825-27	slc27a6
ENSDARG0000044601	1236.869207	-0.406241071	0.085328195	-4.760924239	1.92708E-06	0.000131902	rtn4a	ZDB-GENE-030710-1	rtn4a
ENSDARG0000053853	2455.738839	-1.14370839	0.240484728	-4.755846239	1.97617E-06	0.000134748	slc13a2	ZDB-GENE-040426-2389	slc13a2
ENSDARG0000016048	99.47624483	-0.654798529	0.137934673	-4.74716412	2.06289E-06	0.000140128	gpat3	ZDB-GENE-040718-436	gpat3
ENSDARG0000036482	130.4677332	0.493109064	0.104358141	4.725161459	2.29933E-06	0.000155599	hexim1	ZDB-GENE-030131-4637	hexim1
ENSDARG0000030530	582.4531247	-0.650661257	0.13780265	-4.721688988	2.33894E-06	0.000157685	slc22a2	ZDB-GENE-040426-2167	slc22a2
ENSDARG0000096280	12.06373158	1.901177061	0.403892219	4.707139605	2.51217E-06	0.000168729	ighz	ZDB-GENE-040513-8	ighz
ENSDARG0000022280	300.5854786	0.380403412	0.080880237	4.703292483	2.55999E-06	0.0001713	brd2a	ZDB-GENE-990415-248	brd2a
ENSDARG0000023151	8015.287487	-0.852778259	0.18138601	-4.701455527	2.58314E-06	0.000172206	ucp1	ZDB-GENE-010503-1	ucp1
ENSDARG0000056379	45.52426318	-0.766235003	0.163010034	-4.700538882	2.59476E-06	0.00017234	si:ch73-86n18.1	ZDB-GENE-141216-19	si:ch73-86n18.1
ENSDARG00000100972	63.12531367	1.152053143	0.246103991	4.68116401	2.85251E-06	0.00018876	myh11b	ZDB-GENE-101124-2	myh11b
ENSDARG0000038199	86.90061263	-1.369650323	0.292981179	-4.674874771	2.94133E-06	0.000193255	cdab	ZDB-GENE-040426-1911	cdab
ENSDARG00000112959	360.547733	-0.848351801	0.181472248	-4.674829404	2.94198E-06	0.000193255	CABZ01072309.1		
ENSDARG0000053459	68.1157348	0.673884734	0.144284628	4.670523426	3.00433E-06	0.00019663	rybbp	ZDB-GENE-061103-96	rybbp
ENSDARG0000013522	2580.434149	-1.831562784	0.392517262	-4.666196775	3.06826E-06	0.00020002	pck1	ZDB-GENE-030909-11	pck1
ENSDARG0000031664	13.58565664	1.886118614	0.404267927	4.665516323	3.07843E-06	0.00020002	sox21a	ZDB-GENE-990715-6	sox21a
ENSDARG00000106212	45.93512782	-1.464019265	0.313894698	-4.664045851	3.10052E-06	0.000200728	LO017965.1		
ENSDARG0000055642	34.63474836	-0.992598035	0.213136032	-4.657110418	3.20678E-06	0.000206861	si:ch211-217a12.1	ZDB-GENE-121214-95	si:ch211-217a12.1
ENSDARG0000093704	4.751079804	14.93690451	3.214169905	4.647204395	3.36464E-06	0.000216265	si:dkeyp-46h3.8	ZDB-GENE-060503-183	si:dkeyp-46h3.8
ENSDARG0000070047	135.6472233	0.650220695	0.140010399	4.644088573	3.41581E-06	0.00021877	rgs4	ZDB-GENE-030131-9839	rgs4
ENSDARG0000012355	66.89634455	0.982305325	0.211658844	4.640984073	3.46754E-06	0.000221293	galnt8a.1	ZDB-GENE-091015-4	galnt8a.1
ENSDARG0000037533	1384.189644	1.061168193	0.229293278	4.627995204	3.69223E-06	0.000234331	mep1b	ZDB-GENE-041014-209	mep1b
ENSDARG0000095040	131.7993832	1.865315446	0.403078458	4.627673375	3.69797E-06	0.000234331	cbln7	ZDB-GENE-070912-655	cbln7
ENSDARG0000054534	159.2820626	1.05579008	0.228547644	4.619562291	3.8455E-06	0.000242822	ACOT12		
ENSDARG0000023176	338.43088	-1.328130171	0.287897078	-4.613211707	3.96494E-06	0.000248623	tdo2b	ZDB-GENE-030131-6014	tdo2b
ENSDARG0000016011	526.7834959	-0.641767308	0.139115339	-4.613203045	3.96511E-06	0.000248623	gpccpd1	ZDB-GENE-060503-472	gpccpd1
ENSDARG0000055395	30.12858386	1.054762895	0.228767631	4.610629958	4.01451E-06	0.000250844	foxq1b	ZDB-GENE-040426-2090	foxq1b
ENSDARG0000018921	32.75222668	-0.956586161	0.207582693	-4.608217328	4.06136E-06	0.00025289	fam84a	ZDB-GENE-040426-1247	fam84a
ENSDARG0000011797	59.74324137	-0.691247616	0.15004323	-4.606989694	4.0854E-06	0.000253507	tent5bb	ZDB-GENE-060503-431	tent5bb
ENSDARG0000099819	616.3743753	-0.777325426	0.169111749	-4.596519337	4.29607E-06	0.00026566	sb:cb1058	ZDB-GENE-040108-9	sb:cb1058
ENSDARG0000077709	65.39466259	-0.684790037	0.149289861	-4.586982895	4.49698E-06	0.000277128	iqsec2b	ZDB-GENE-081105-73	iqsec2b

ENSDARG0000059423	82.08825674	0.608744828	0.132748622	4.585696024	4.52477E-06	0.000277886	prune2	ZDB-GENE-050309-222	prune2
ENSDARG0000007080	56.1957861	-0.845398038	0.184516479	-4.581693953	4.61225E-06	0.000282291	rhcg1	ZDB-GENE-060209-2	rhcg1
ENSDARG0000043457	8660.890259	-0.568248351	0.124306351	-4.571354123	4.84583E-06	0.000295579	gapdh	ZDB-GENE-030115-1	gapdh
ENSDARG0000034503	232.8437607	-1.267409826	0.277368444	-4.569408868	4.89102E-06	0.000297324	per2	ZDB-GENE-011220-2	per2
ENSDARG00000063370	260.8676904	0.604232007	0.132430748	4.562626241	5.05177E-06	0.000306059	sgk2a	ZDB-GENE-030131-9632	sgk2a
ENSDARG0000007184	36.17916022	-1.545198862	0.339965067	-4.545169522	5.48911E-06	0.000331435	zbtb16a	ZDB-GENE-030131-1989	zbtb16a
ENSDARG0000093844	4462.054517	-1.460630698	0.321589728	-4.54190719	5.57476E-06	0.000335477	zgc:136461	ZDB-GENE-060519-7	zgc:136461
ENSDARG00000077301	197.3617269	-0.809688146	0.178714491	-4.530623916	5.88097E-06	0.000352721	mlf1	ZDB-GENE-080917-7	mlf1
ENSDARG00000061714	99.1215509	0.771989516	0.170432457	4.529592135	5.90977E-06	0.000353266	si:dkey-45k15.1	ZDB-GENE-081107-67	si:dkey-45k15.1
ENSDARG00000103980	115.5619795	-0.825499781	0.182414992	-4.525394383	6.0283E-06	0.000358949	ets2	ZDB-GENE-050522-552	ets2
ENSDARG00000071259	211.8182682	-0.337353529	0.074556331	-4.524813965	6.04487E-06	0.000358949	fbxo34	ZDB-GENE-030131-2194	fbxo34
ENSDARG00000038106	119.5873487	-0.529971268	0.117198528	-4.521995929	6.12592E-06	0.000362562	slc37a4a	ZDB-GENE-040426-2230	slc37a4a
ENSDARG00000020107	275.5785965	-0.563974323	0.124800393	-4.519010773	6.21292E-06	0.000366159	usp2a	ZDB-GENE-041212-59	usp2a
ENSDARG00000061858	792.9546191	-0.954427636	0.211226034	-4.518513274	6.22754E-06	0.000366159	zgc:153968	ZDB-GENE-061027-211	zgc:153968
ENSDARG00000111240	19.64636802	-1.914965316	0.424479421	-4.511326633	6.44234E-06	0.000377551	dhrs13a.2	ZDB-GENE-040912-69	dhrs13a.2
ENSDARG00000113928	5.981808757	-1.510355427	0.335044481	-4.507925109	6.54647E-06	0.000382403	B3GAT1		
ENSDARG00000029497	46.63571565	-1.384775805	0.307470363	-4.50377003	6.67584E-06	0.000388695	tfcp2l1	ZDB-GENE-040704-58	tfcp2l1
ENSDARG00000078313	160.8458184	0.487311851	0.108239678	4.502155408	6.72678E-06	0.000390392	MYO9B	ZDB-GENE-110411-111	si:zfos-588f8.1
ENSDARG00000037781	162.1277429	0.42319191	0.094032062	4.500506549	6.77917E-06	0.000391967	acss2	ZDB-GENE-040718-388	acss2
ENSDARG00000060805	140.4114568	0.535342167	0.118966811	4.49992871	6.79763E-06	0.000391967	map1sa	ZDB-GENE-030131-3982	map1sa
ENSDARG00000043323	71.9522898	-0.609744386	0.135532984	-4.498863443	6.83177E-06	0.000392674	lnx1	ZDB-GENE-030131-9439	lnx1
ENSDARG00000054848	129.9964219	-0.889195852	0.197758412	-4.496374349	6.9122E-06	0.000396027	pdk4	ZDB-GENE-060503-754	pdk4
ENSDARG00000052923	30.12429813	0.976356806	0.217231962	4.494535689	6.97219E-06	0.000396952	zgc:113162	ZDB-GENE-050522-530	zgc:113162
ENSDARG00000052244	402.8425494	0.318383095	0.070840917	4.494338981	6.97864E-06	0.000396952	zgc:158564	ZDB-GENE-070112-1662	zgc:158564
ENSDARG00000057352	30.60478262	-0.926827782	0.206243678	-4.493848215	6.99475E-06	0.000396952	slc25a29	ZDB-GENE-050913-70	slc25a29
ENSDARG00000069006	123.3066834	0.630080549	0.140454157	4.486022784	7.2565E-06	0.000410507	tle3b	ZDB-GENE-990415-85	tle3b
ENSDARG00000045695	50.49081277	0.800486765	0.178570206	4.482756578	7.3685E-06	0.000415532	myca	ZDB-GENE-990415-162	myca
ENSDARG00000109626	24.11569778	-1.306001924	0.291579848	-4.479054141	7.49745E-06	0.000420979	si:ch211-226h7.3	ZDB-GENE-130531-9	si:ch211-226h7.3
ENSDARG00000101749	211.071462	0.77902844	0.173943111	4.478639227	7.51204E-06	0.000420979	zgc:92161	ZDB-GENE-040912-22	zgc:92161
ENSDARG00000004745	93.97652074	-0.667495094	0.149067124	-4.477815594	7.54107E-06	0.00042129	lmbr1l	ZDB-GENE-030131-9906	lmbr1l
ENSDARG00000102335	45.75827611	-1.004873348	0.224866006	-4.468765046	7.86725E-06	0.000437989	ano1	ZDB-GENE-121127-3	ano1
ENSDARG00000021991	602.3843971	0.437225999	0.097853285	4.468179041	7.88883E-06	0.000437989	erlin1	ZDB-GENE-050327-13	erlin1
ENSDARG00000069498	13.38539347	-1.141275426	0.255538285	-4.466162192	7.96352E-06	0.000438885	phkg1b	ZDB-GENE-050522-52	phkg1b
ENSDARG00000044251	56.67031596	-0.594870248	0.133205286	-4.465815617	7.97643E-06	0.000438885	rasgef1bb	ZDB-GENE-040801-220	rasgef1bb
ENSDARG00000069946	300.5415561	-0.750268329	0.168004522	-4.465762715	7.9784E-06	0.000438885	itga6b	ZDB-GENE-050320-5	itga6b
ENSDARG00000092680	42.33596863	0.961346569	0.215583217	4.459282984	8.22343E-06	0.000450981	si:dkey-58f10.12	ZDB-GENE-060526-314	si:dkey-58f10.12
ENSDARG00000059507	23.6779285	0.78246888	0.17559784	4.456027944	8.34922E-06	0.000456483	si:dkey-163m14.2	ZDB-GENE-120215-47	si:dkey-163m14.2
ENSDARG00000053858	317.7296587	-0.639164999	0.143476008	-4.454856311	8.39494E-06	0.000457588	crip1	ZDB-GENE-041111-1	crip1
ENSDARG00000012390	10.04868456	-1.276530575	0.286871636	-4.449831969	8.59375E-06	0.000467005	kcnk5b	ZDB-GENE-040426-1297	kcnk5b
ENSDARG00000004187	4.014290053	-2.172212383	0.488301349	-4.448507847	8.64689E-06	0.00046784	zgc:122979	ZDB-GENE-051127-45	zgc:122979
ENSDARG00000062058	152.6113647	-0.596005744	0.133995021	-4.447969328	8.66859E-06	0.00046784	slc12a7b	ZDB-GENE-030829-61	slc12a7b
ENSDARG00000053479	22.40783839	1.043984187	0.234765317	4.446926837	8.71075E-06	0.00046784	gdf6a	ZDB-GENE-980526-373	gdf6a
ENSDARG00000102082	98.59800528	0.840460218	0.189000831	4.446859911	8.71346E-06	0.00046784	nr3c2	ZDB-GENE-060531-23	nr3c2
ENSDARG00000103154	61.65127734	1.006419659	0.226369213	4.445921087	8.75161E-06	0.000468485	si:ch73-144l3.1	ZDB-GENE-131119-96	si:ch73-144l3.1
ENSDARG00000023082	78.51369721	-1.579441374	0.356073625	-4.435715708	9.17669E-06	0.000488864	krt1-19d	ZDB-GENE-060316-1	krt1-19d
ENSDARG00000058494	160.144847	-0.473424764	0.106735907	-4.43547796	9.18682E-06	0.000488864	dnaja3a	ZDB-GENE-030131-7837	dnaja3a
ENSDARG00000070774	26.76577945	1.194837076	0.270401278	4.418755289	9.9271E-06	0.000526694	irgf1	ZDB-GENE-051212-5	irgf1
ENSDARG00000061952	167.3007391	-0.449183679	0.101785885	-4.413025231	1.01936E-05	0.000539239	ecpas	ZDB-GENE-061207-66	ecpas
ENSDARG00000100738	8.615721852	-1.609528844	0.364881161	-4.411104266	1.02845E-05	0.000542446	osmr	ZDB-GENE-060526-48	osmr

ENSDARG00000076533	103.9223739	0.56341583	0.127751315	4.410254626	1.03249E-05	0.000542981	nfe2l1b	ZDB-GENE-120319-2	nfe2l1b
ENSDARG00000041715	19.89667064	-1.266191351	0.287223392	-4.408385205	1.04144E-05	0.000546087	bco2b	ZDB-GENE-060421-7448	bco2b
ENSDARG00000029795	111.2818568	0.596970408	0.135456063	4.40711471	1.04757E-05	0.000547446	prxl2b	ZDB-GENE-040426-2556	prxl2b
ENSDARG00000044094	355.4338067	0.660131813	0.149805814	4.406583401	1.05014E-05	0.000547446	gfpt2	ZDB-GENE-071113-1	gfpt2
ENSDARG00000062390	114.7583094	0.434573532	0.098652133	4.405110368	1.0573E-05	0.000549582	cdc42ep5	ZDB-GENE-030131-5813	cdc42ep5
ENSDARG00000008363	185.2923196	-0.586352207	0.133766041	-4.383416023	1.16833E-05	0.000605538	mcl1b	ZDB-GENE-030825-1	mcl1b
ENSDARG00000088762	7.59543125	-1.88897702	0.432944608	-4.363091685	1.28237E-05	0.000662731	si:ch211-224 10.4	ZDB-GENE-090312-125	si:ch211-224 10.4
ENSDARG00000079175	272.8376515	0.737981106	0.169542387	4.352782339	1.34421E-05	0.000692691	si:ch211-79k12.1	ZDB-GENE-080303-9	si:ch211-79k12.1
ENSDARG00000067796	157.598912	-0.459837377	0.10570691	-4.350116541	1.36065E-05	0.000699157	clpxb	ZDB-GENE-130404-1	clpxb
ENSDARG00000038561	7.006851844	-1.56687399	0.360449114	-4.347004691	1.38009E-05	0.00070712	klf6b	ZDB-GENE-070912-633	klf6b
ENSDARG00000003383	40.12947955	-0.647419768	0.148963351	-4.346168124	1.38536E-05	0.000707799	asb8	ZDB-GENE-030131-5411	asb8
ENSDARG00000103277	322.7669965	-2.633894144	0.606587448	-4.342150754	1.41095E-05	0.000718821	cyp24a1	ZDB-GENE-060825-1	cyp24a1
ENSDARG00000017386	33.42613026	-0.995635233	0.229838597	-4.331888742	1.47836E-05	0.00075103	sobpb	ZDB-GENE-041210-8	sobpb
ENSDARG00000061896	168.2407073	-0.927968814	0.214860055	-4.318945253	1.56777E-05	0.000794202	slco2a1	ZDB-GENE-060606-3	slco2a1
ENSDARG00000017388	194.9213588	0.71337216	0.165782775	4.303053563	1.6846E-05	0.000850985	gstt1b	ZDB-GENE-040426-1491	gstt1b
ENSDARG00000006010	40.32872422	0.647158066	0.150630917	4.29631632	1.7366E-05	0.000874787	bmi1a	ZDB-GENE-030131-224	bmi1a
ENSDARG00000055331	13.85670354	1.639743389	0.381986388	4.292674927	1.76533E-05	0.00088441	aldh9a1a.2	ZDB-GENE-081104-507	aldh9a1a.2
ENSDARG00000078178	152.2771604	0.907193535	0.211336684	4.292645828	1.76557E-05	0.00088441	art4	ZDB-GENE-070725-5	art4
ENSDARG00000060196	45.09951733	-0.689194258	0.160613908	-4.290999857	1.7787E-05	0.00088851	lhpp	ZDB-GENE-070615-43	lhpp
ENSDARG00000040427	66.61956517	1.518777454	0.354105519	4.289053325	1.79436E-05	0.000893842	acot19	ZDB-GENE-041114-124	acot19
ENSDARG00000089043	139.0257451	0.56555613	0.132077637	4.281997628	1.85223E-05	0.000920112	ptpn6	ZDB-GENE-030131-7513	ptpn6
ENSDARG00000013024	86.30479748	0.480184437	0.112211516	4.279279479	1.87499E-05	0.000928847	erap1a	ZDB-GENE-091113-7	erap1a
ENSDARG00000028725	34.31022666	-0.918800264	0.215090572	-4.271690083	1.93997E-05	0.000958388	adra1aa	ZDB-GENE-030131-2831	adra1aa
ENSDARG00000014554	311.5419292	0.750557879	0.175880814	4.267423273	1.97744E-05	0.000974214	ppp1r3cb	ZDB-GENE-040426-1733	ppp1r3cb
ENSDARG00000054543	19.06644251	1.325728484	0.310962216	4.263310512	2.0142E-05	0.000989608	samsn1a	ZDB-GENE-030131-8639	samsn1a
ENSDARG00000032708	23.94890379	-0.85807669	0.201311216	-4.262438556	2.02208E-05	0.000990764	arl4cb	ZDB-GENE-040426-2382	arl4cb
ENSDARG00000022952	72.67166366	0.565530439	0.13270741	4.261483505	2.03074E-05	0.000992298	zgc:66448	ZDB-GENE-030131-5612	zgc:66448
ENSDARG00000007869	65.70277949	-0.603791605	0.14173831	-4.259904075	2.04515E-05	0.000996621	ehd3	ZDB-GENE-041014-352	ehd3
ENSDARG00000102403	234.0690199	-0.495563881	0.116384009	-4.258006637	2.06258E-05	0.001002391	cry2	ZDB-GENE-010426-6	cry2
ENSDARG00000015449	169.6173559	0.421468684	0.099073896	4.254084103	2.09906E-05	0.001017365	fut8a	ZDB-GENE-031118-20	fut8a
ENSDARG00000019360	610.6562594	-0.499022366	0.117538089	-4.245622584	2.17987E-05	0.001053684	sec23b	ZDB-GENE-030131-5479	sec23b
ENSDARG00000102362	174.7170902	-0.47518492	0.112006264	-4.242485223	2.21058E-05	0.001065655	slc25a12	ZDB-GENE-031006-11	slc25a12
ENSDARG00000054271	70.44021575	-0.525695449	0.123995473	-4.23963419	2.23884E-05	0.001076385	cdkn1bb	ZDB-GENE-030521-13	cdkn1bb
ENSDARG00000068883	401.6755982	0.718135999	0.169431983	4.238491378	2.25027E-05	0.001078986	tspan13a	ZDB-GENE-040718-19	tspan13a
ENSDARG00000068006	27.10367114	2.452407684	0.578731967	4.237553516	2.25969E-05	0.001080612	gck	ZDB-GENE-060825-204	gck
ENSDARG00000077326	207.7107366	0.580185188	0.13745998	4.220757102	2.43483E-05	0.001161272	slc45a4	ZDB-GENE-091230-5	slc45a4
ENSDARG00000069190	13.50531559	1.172768655	0.277913868	4.21989973	2.44411E-05	0.001161799	zgc:172339	ZDB-GENE-080204-115	zgc:172339
ENSDARG00000040907	36.12543091	-1.15566417	0.27388918	-4.219459015	2.44889E-05	0.001161799	grgb	ZDB-GENE-040712-2	grgb
ENSDARG00000070353	9.859538054	1.244948874	0.295143554	4.218113036	2.46355E-05	0.00116567	hoxc13a	ZDB-GENE-000822-4	hoxc13a
ENSDARG00000077875	145.6146329	1.056449002	0.250805929	4.212217016	2.52876E-05	0.001193377	slc2a5	ZDB-GENE-060222-2	slc2a5
ENSDARG00000009087	810.3090398	0.62272712	0.147906489	4.210275869	2.55059E-05	0.001200518	cd74a	ZDB-GENE-000901-1	cd74a
ENSDARG00000027611	169.1033194	-0.503344281	0.119626645	-4.207626835	2.58067E-05	0.001211494	cavin2a	ZDB-GENE-090313-215	cavin2a
ENSDARG00000037998	348.7839763	0.275598391	0.065530828	4.205629651	2.60356E-05	0.001217736	flot1b	ZDB-GENE-020430-2	flot1b
ENSDARG00000013775	66.52026203	-0.81973552	0.194929869	-4.20528431	2.60754E-05	0.001217736	si:dkey-246g23.4	ZDB-GENE-050419-234	si:dkey-246g23.4
ENSDARG00000093024	190.8380221	0.651325698	0.154978713	4.202678457	2.63775E-05	0.001228644	si:ch211-213a13.2	ZDB-GENE-050208-551	si:ch211-213a13.2
ENSDARG00000012684	603.3033369	0.664426573	0.15815068	4.20122488	2.65475E-05	0.001233357	atp2b1a	ZDB-GENE-030925-29	atp2b1a
ENSDARG00000091902	116.5735752	-0.552381168	0.131542342	-4.199265113	2.67783E-05	0.001240865	b3gnt2b	ZDB-GENE-050913-158	b3gnt2b
ENSDARG00000075833	9.04494649	-1.800470713	0.429166943	-4.19526886	2.72548E-05	0.001252288	lyve1a	ZDB-GENE-031118-138	lyve1a
ENSDARG00000060435	17.50891289	-1.054309839	0.251318213	-4.19511912	2.72728E-05	0.001252288	bnip1	ZDB-GENE-060503-81	bnip1



ENSDARG00000074546	180.7165784	0.553088938	0.131845298	4.194984182	2.72891E-05	0.001252288	si:ch211-213a13.2	ZDB-GENE-050208-551	si:ch211-213a13.2
ENSDARG00000062618	55.06677614	-0.721677925	0.172038649	-4.194859296	2.73041E-05	0.001252288	kcnj12b	ZDB-GENE-091118-79	kcnj12b
ENSDARG00000069459	4.986634463	-1.913513143	0.457590986	-4.18171075	2.89324E-05	0.001323583	si:dkey-6n21.13	ZDB-GENE-160728-54	si:dkey-6n21.13
ENSDARG00000070844	4344.925202	-0.662767625	0.158520722	-4.180952598	2.9029E-05	0.001324625	gamt	ZDB-GENE-051030-97	gamt
ENSDARG00000058953	384.7915252	-0.438240805	0.104883653	-4.178351855	2.93629E-05	0.001333592	abcc4	ZDB-GENE-030616-511	abcc4
ENSDARG00000069478	54.23750455	-0.824570785	0.197347703	-4.178263908	2.93743E-05	0.001333592	slc13a3	ZDB-GENE-040426-2486	slc13a3
ENSDARG00000074771	60.18632202	0.622769758	0.149071334	4.177662729	2.9452E-05	0.001333744	ifngr1	ZDB-GENE-081022-158	ifngr1
ENSDARG00000095947	69.49622584	-0.570354364	0.136591976	-4.175606659	2.97193E-05	0.001342459	adkb	ZDB-GENE-030131-948	adkb
ENSDARG00000035601	42.50612471	1.062012082	0.254383521	4.174846228	2.98187E-05	0.001343566	dao.3	ZDB-GENE-040426-1894	dao.3
ENSDARG00000075369	68.10259394	0.48854291	0.117172276	4.169441168	3.05347E-05	0.00137238	nck1b	ZDB-GENE-090317-1	nck1b
ENSDARG00000036848	112.7729195	-0.850819697	0.204101523	-4.168610223	3.06463E-05	0.001373948	slc43a2a	ZDB-GENE-040426-964	slc43a2a
ENSDARG0000002988	66.98560687	-1.044825329	0.250694458	-4.167724077	3.07656E-05	0.001375859	tnnt2d	ZDB-GENE-050626-97	tnnt2d
ENSDARG00000020031	35.03199591	-0.67481241	0.161971101	-4.166251919	3.09649E-05	0.001381325	cldn11a	ZDB-GENE-040718-369	cldn11a
ENSDARG00000044691	97.6651015	1.038639954	0.249573638	4.161657298	3.15946E-05	0.001405922	ppp1r3b	ZDB-GENE-030131-5496	ppp1r3b
ENSDARG00000098742	8.39629881	-1.682598261	0.405275679	-4.15173756	3.29961E-05	0.001464649	lrrtm1	ZDB-GENE-161221-2	lrrtm1
ENSDARG00000028507	704.107608	-0.65359179	0.15768528	-4.14491315	3.39943E-05	0.001505232	itgb4	ZDB-GENE-030131-7209	itgb4
ENSDARG00000006514	57.95068299	0.627438751	0.151402645	4.144172994	3.41042E-05	0.001506382	her6	ZDB-GENE-980526-144	her6
ENSDARG00000045051	26.51522229	-1.506411193	0.364367053	-4.134323291	3.56002E-05	0.001568596	slc16a3	ZDB-GENE-030131-5487	slc16a3
ENSDARG00000012199	111.2853656	-0.780520615	0.189015219	-4.129406183	3.63701E-05	0.001596889	gpt2	ZDB-GENE-030729-8	gpt2
ENSDARG00000028431	95.50666689	0.457078467	0.110697187	4.12908838	3.64204E-05	0.001596889	adnp2b	ZDB-GENE-030131-5930	adnp2b
ENSDARG00000033355	66.17874308	1.073576486	0.260254689	4.125099495	3.70575E-05	0.001620857	zgc:101699	ZDB-GENE-041114-140	zgc:101699
ENSDARG00000041699	9.842091584	-3.047908694	0.740598502	-4.115466999	3.86396E-05	0.001685948	piwil1	ZDB-GENE-030813-2	piwil1
ENSDARG00000041959	51.59083009	-0.938234781	0.228080091	-4.11361981	3.89503E-05	0.001692933	cxc4b	ZDB-GENE-010614-1	cxc4b
ENSDARG00000005894	162.188521	0.746149442	0.11339328	4.11339328	3.89885E-05	0.001692933	slc7a9	ZDB-GENE-080116-2	slc7a9
ENSDARG00000035810	221.6558281	-0.470424492	0.114789164	-4.098161132	4.16445E-05	0.001803616	rgcc	ZDB-GENE-040704-31	rgcc
ENSDARG00000078567	194.5547317	-0.736227134	0.179671099	-4.097638057	4.17387E-05	0.001803616	lonrf1l	ZDB-GENE-081104-397	lonrf1l
ENSDARG00000034470	1706.75835	-0.602494409	0.147104837	-4.095680492	4.2093E-05	0.001813899	aldoab	ZDB-GENE-040426-2299	aldoab
ENSDARG00000052994	228.7311366	-0.427660888	0.104429594	-4.095207803	4.2179E-05	0.001813899	slc25a28	ZDB-GENE-040426-2125	slc25a28
ENSDARG00000076592	112.6757034	-0.529408345	0.129305429	-4.094246839	4.23543E-05	0.001814876	man1b1b	ZDB-GENE-070705-482	man1b1b
ENSDARG00000100149	85.26669563	0.516119157	0.126067997	4.093974432	4.24041E-05	0.001814876	axin2	ZDB-GENE-000403-2	axin2
ENSDARG00000093964	113.6790824	0.647541672	0.15833346	4.089733593	4.31869E-05	0.001843978	si:ch211-250k18.6	ZDB-GENE-070912-245	si:ch211-250k18.6
ENSDARG00000071005	100.020493	-1.031622144	0.252994014	-4.077654361	4.54923E-05	0.0019378	ppp1r3ca	ZDB-GENE-040718-70	ppp1r3ca
ENSDARG00000090873	4.313543804	2.743502874	0.672982602	4.076632686	4.56926E-05	0.001941718	ccl34a.4	ZDB-GENE-070912-32	ccl34a.4
ENSDARG00000032571	132.6613285	0.575926331	0.141303009	4.075824958	4.58515E-05	0.001943865	il20ra	ZDB-GENE-040724-249	il20ra
ENSDARG00000015890	153.5467796	-0.775071671	0.190293942	-4.073023353	4.64068E-05	0.001962766	mafa	ZDB-GENE-010605-2	mafa
ENSDARG00000103642	2103.626207	1.610473738	0.39590032	4.067876831	4.74434E-05	0.00200189	pglyrp6	ZDB-GENE-071227-2	pglyrp6
ENSDARG00000062085	290.5305536	0.870200672	0.214003455	4.066292623	4.7767E-05	0.002010809	tkfc	ZDB-GENE-060929-652	tkfc
ENSDARG00000033443	89.65560614	-0.410108528	0.100944497	-4.062713068	4.85056E-05	0.002029711	mdm2	ZDB-GENE-990415-153	mdm2
ENSDARG00000061762	25.11292903	-0.919986144	0.226472347	-4.062244935	4.8603E-05	0.002029711	trim108	ZDB-GENE-060503-670	trim108
ENSDARG00000024295	232.6705955	-0.68266884	0.168054603	-4.062184711	4.86156E-05	0.002029711	slc11a2	ZDB-GENE-021115-1	slc11a2
ENSDARG00000116618	39.71575871	0.696079575	0.171366714	4.061929874	4.86687E-05	0.002029711	si:ch73-27e22.8	ZDB-GENE-100917-4	si:ch73-27e22.8
ENSDARG00000042824	753.8200954	0.418739485	0.103175986	4.058497526	4.93895E-05	0.002054991	nfe2l2a	ZDB-GENE-030723-2	nfe2l2a
ENSDARG00000032206	161.7396735	0.718413941	0.177064719	4.057352283	4.96322E-05	0.00206031	cthl	ZDB-GENE-040905-3	cthl
ENSDARG00000033170	29.11207634	-0.837526799	0.206593632	-4.053981673	5.03532E-05	0.002085412	sult2st1	ZDB-GENE-030219-114	sult2st1
ENSDARG00000078425	356.4417681	-0.805803905	0.19896424	-4.049993624	5.1219E-05	0.002116384	oat	ZDB-GENE-110411-148	oat
ENSDARG00000097082	25.23437228	-0.882754082	0.218022169	-4.04891891	5.14548E-05	0.002121238	im:7152348	ZDB-GENE-041111-308	im:7152348
ENSDARG00000075397	51.26377758	-0.6675817	0.164924551	-4.047800619	5.17012E-05	0.002126507	cipca	ZDB-GENE-120928-5	cipca
ENSDARG00000078185	25.64244536	-0.728495001	0.180257142	-4.041421008	5.31283E-05	0.002180205	pacs2	ZDB-GENE-081218-1	pacs2
ENSDARG00000033845	66.27410513	-0.848687817	0.21103273	-4.021593324	5.78058E-05	0.002366738	igsf9ba	ZDB-GENE-060503-729	igsf9ba

ENSDARG0000042946	133.4456675	0.452269129	0.112684502	4.013587677	5.98028E-05	0.002442923	hook1	ZDB-GENE-041001-159	hook1
ENSDARG00000104129	10.54542637	-1.318614458	0.328852085	-4.009749429	6.07832E-05	0.00247733	si:dkey-23n7.10	ZDB-GENE-141222-64	si:dkey-23n7.10
ENSDARG00000108326	25.17792067	-0.935892231	0.233519694	-4.007765756	6.12959E-05	0.002490894	LT631684.1		
ENSDARG0000005840	343.5433007	-0.442615617	0.110449888	-4.007388555	6.13938E-05	0.002490894	got2b	ZDB-GENE-030131-7917	got2b
ENSDARG00000094041	498.6125317	-0.689732346	0.172988537	-3.987156366	6.687E-05	0.00270695	krt17	ZDB-GENE-060503-86	krt17
ENSDARG0000069559	93.96355756	-1.000128351	0.250932211	-3.985651535	6.72952E-05	0.002717352	muc13a	ZDB-GENE-061207-26	muc13a
ENSDARG0000054906	57.63375135	0.530259798	0.133058043	3.985176578	6.743E-05	0.002717352	ier5l	ZDB-GENE-030131-5134	ier5l
ENSDARG0000054087	95.61600559	-0.548043764	0.137548386	-3.98437073	6.76592E-05	0.002720475	irs1	ZDB-GENE-030131-872	irs1
ENSDARG00000018485	73.00726489	0.529501414	0.132912817	3.983825091	6.78148E-05	0.002720632	cyp2v1	ZDB-GENE-040912-139	cyp2v1
ENSDARG0000000394	222.1949297	0.392246785	0.098485343	3.982793533	6.81099E-05	0.002726373	matr3l1.1	ZDB-GENE-030616-40	matr3l1.1
ENSDARG0000043281	59.00563034	0.810884745	0.20363352	3.982078916	6.83151E-05	0.002728495	stap2b	ZDB-GENE-040426-2540	stap2b
ENSDARG0000005690	45.60867783	-0.820282666	0.206320894	-3.975761488	7.01544E-05	0.002795731	slc25a23a	ZDB-GENE-121214-154	slc25a23a
ENSDARG00000098063	144.4911027	1.063721019	0.26764358	3.97439392	7.05587E-05	0.002805608	alp3	ZDB-GENE-120919-1	alp3
ENSDARG0000006308	28.620221	0.7464592	0.18790058	3.972628507	7.10839E-05	0.002820237	ptpn18	ZDB-GENE-050320-12	ptpn18
ENSDARG00000101164	12.35085099	-1.919940594	0.483581769	-3.970250155	7.17972E-05	0.00284225	nansb	ZDB-GENE-041114-125	nansb
ENSDARG00000088082	16.98874144	1.098248376	0.277247833	3.961251435	7.4558E-05	0.00294504	si:ch211-214c20.1	ZDB-GENE-081103-49	si:ch211-214c20.1
ENSDARG00000091592	33.32938653	-1.03055014	0.260250243	-3.959843146	7.4999E-05	0.00295595	pel1a	ZDB-GENE-110310-6	pel1a
ENSDARG00000075612	51.04969375	-0.595830835	0.150494179	-3.959162001	7.52132E-05	0.002957891	ercc6	ZDB-GENE-070228-1	ercc6
ENSDARG00000031336	88.17168821	-0.681926405	0.172311512	-3.957520869	7.57317E-05	0.002971764	hsd20b2	ZDB-GENE-030804-21	hsd20b2
ENSDARG00000102146	120.8441344	-1.80766024	0.457725301	-3.949225087	7.84046E-05	0.003069934	si:ch211-69b7.6	ZDB-GENE-141212-266	si:ch211-69b7.6
ENSDARG00000044356	113.8995464	-0.653345757	0.165641647	-3.944332657	8.00225E-05	0.003126457	tp63	ZDB-GENE-030819-1	tp63
ENSDARG00000016545	82.18082003	-0.562803659	0.14272794	-3.943191922	8.04043E-05	0.003134543	zgc:154046	ZDB-GENE-061103-289	zgc:154046
ENSDARG00000042620	1601.330862	0.465482346	0.118123517	3.940640774	8.12642E-05	0.003161197	gstr	ZDB-GENE-090507-1	gstr
ENSDARG00000034677	101.6277108	-0.961963462	0.244519513	-3.934096916	8.35101E-05	0.003241529	scel	ZDB-GENE-030616-15	scel
ENSDARG00000037941	6.545309914	1.490859768	0.37937681	3.929759883	8.50307E-05	0.003293426	syt5a	ZDB-GENE-040718-110	syt5a
ENSDARG00000045748	45.07945382	-0.630875756	0.160613527	-3.927911717	8.56867E-05	0.003307311	stab2	ZDB-GENE-041210-336	stab2
ENSDARG00000073988	75.10426342	-0.616204405	0.156886381	-3.92771126	8.57581E-05	0.003307311	mntb	ZDB-GENE-070820-8	mntb
ENSDARG00000070222	5.95676069	-1.445375826	0.36848178	-3.922516406	8.76289E-05	0.003368127	fam43b	ZDB-GENE-040912-11	fam43b
ENSDARG00000090793	83.21604408	0.70715505	0.180291289	3.922291831	8.77107E-05	0.003368127	si:ch211-207j7.2	ZDB-GENE-120215-232	si:ch211-207j7.2
ENSDARG00000087483	17.65447819	0.762012724	0.194577452	3.916243721	8.99393E-05	0.003446329	si:dkey-226l10.6	ZDB-GENE-030131-1550	si:dkey-226l10.6
ENSDARG00000035569	129.6478331	0.555877249	0.142111775	3.911549555	9.17058E-05	0.003506526	cyp1d1	ZDB-GENE-041114-179	cyp1d1
ENSDARG00000078167	91.76903819	0.619280491	0.158342416	3.911020856	9.19068E-05	0.003506735	si:dkeyp-100h4.1	ZDB-GENE-081103-7	si:dkeyp-100h4.1
ENSDARG00000092052	26.05752373	-1.789092711	0.457768592	-3.908290654	9.29514E-05	0.003539062	gstk4	ZDB-GENE-060421-6530	gstk4
ENSDARG00000042866	48.88663001	-0.728771689	0.186636657	-3.904761805	9.43182E-05	0.003583494	cx35.4	ZDB-GENE-050417-174	cx35.4
ENSDARG00000036473	28.32389581	0.738187474	0.189141097	3.90284019	9.50705E-05	0.003604437	snapc2	ZDB-GENE-120328-2	snapc2
ENSDARG00000098075	518.7272547	0.378887381	0.097162202	3.89953471	9.63777E-05	0.003643968	sh3bgrl3	ZDB-GENE-040426-1059	sh3bgrl3
ENSDARG00000026895	45.07762373	0.704332638	0.180636155	3.899178644	9.65195E-05	0.003643968	tor1l3	ZDB-GENE-040426-1859	tor1l3
ENSDARG00000010658	287.5126293	-0.879752276	0.225726368	-3.897428038	9.72197E-05	0.003661778	insig1	ZDB-GENE-030131-6121	insig1
ENSDARG00000016357	160.0477923	0.556781165	0.142875038	3.896979985	9.73997E-05	0.003661778	fmo5	ZDB-GENE-030131-6606	fmo5
ENSDARG00000116139	343.1670094	0.640496607	0.164403354	3.895885283	9.78407E-05	0.003670664	cdx1b	ZDB-GENE-070615-29	cdx1b
ENSDARG00000043850	11.33274158	1.500229868	0.385157636	3.895106123	9.81557E-05	0.003674795	ffr54	ZDB-GENE-070620-19	ffr54
ENSDARG00000035835	216.6337969	-0.44013652	0.113014546	-3.894512139	9.83966E-05	0.003676137	eef2k	ZDB-GENE-020916-2	eef2k
ENSDARG00000099742	170.2407464	-0.569751485	0.146542333	-3.887965149	0.000101088	0.003768843	heatr1	ZDB-GENE-030131-6378	heatr1
ENSDARG00000006837	35.2380218	0.743666728	0.191318825	3.887054648	0.000101468	0.003775154	mycn	ZDB-GENE-020711-1	mycn
ENSDARG00000076542	88.3362829	0.408978238	0.105246968	3.885890933	0.000101955	0.003785433	pogzb	ZDB-GENE-100609-3	pogzb
ENSDARG00000027807	167.8156496	0.554996725	0.142879193	3.88437752	0.000102592	0.003801218	frk	ZDB-GENE-110411-7	frk
ENSDARG00000055159	39.23619738	0.727578457	0.187359349	3.883331473	0.000103035	0.003807629	cyp27a1.4	ZDB-GENE-030131-1060	cyp27a1.4
ENSDARG00000071662	43.3334218	0.648267531	0.166961981	3.882725443	0.000103292	0.003807629	si:rp71-36a1.3	ZDB-GENE-050208-566	si:rp71-36a1.3
ENSDARG00000105117	163.919884	-0.579581831	0.149281876	-3.882466161	0.000103402	0.003807629	sdad1	ZDB-GENE-021213-1	sdad1

ENSDARG00000100095	132.2290987	-0.703080091	0.181200164	-3.880129432	0.000104401	0.003836519	anxa1b	ZDB-GENE-030131-6554	anxa1b
ENSDARG00000098791	662.5945216	0.61216758	0.157797254	3.879456486	0.00010469	0.00383928	cdhr5b	ZDB-GENE-110518-2	cdhr5b
ENSDARG00000058366	89.90578673	0.531636576	0.137088595	3.878051093	0.000105297	0.003853641	si:dkey-222f8.3	ZDB-GENE-030131-3658	si:dkey-222f8.3
ENSDARG00000057687	16.22314425	-1.091424248	0.281608388	-3.875680882	0.000106327	0.003883424	sbk3	ZDB-GENE-080204-39	sbk3
ENSDARG00000040942	54.44525106	-0.802570989	0.207310328	-3.871350735	0.000108234	0.003945039	pnp6	ZDB-GENE-040426-1800	pnp6
ENSDARG00000062986	213.1727055	0.287000346	0.074273249	3.864114618	0.000111493	0.004055581	pnpla7a	ZDB-GENE-010507-2	cltc3
ENSDARG00000062986	213.1727055	0.287000346	0.074273249	3.864114618	0.000111493	0.004055581	pnpla7a	ZDB-GENE-070112-1812	pnpla7a
ENSDARG00000070542	73.1423772	-0.743042638	0.192377036	-3.862428979	0.000112265	0.004075409	mafbb	ZDB-GENE-010605-4	mafbb
ENSDARG00000053097	157.6077714	-0.537603269	0.13924863	-3.860743682	0.000113042	0.004095333	hsf2	ZDB-GENE-011128-1	hsf2
ENSDARG00000045768	218.1186905	-0.520563748	0.135155589	-3.851588777	0.000117354	0.004242961	cry1a	ZDB-GENE-010426-2	cry1a
ENSDARG00000015918	425.3102712	-0.401327477	0.104226121	-3.850546036	0.000117855	0.004252494	dlat	ZDB-GENE-030131-2921	dlat
ENSDARG00000006508	48.35903072	-0.791286351	0.205529429	-3.84999051	0.000118122	0.004253592	pip5k1bb	ZDB-GENE-040912-141	pip5k1bb
ENSDARG00000097231	21.56675638	1.080831388	0.280989263	3.846522027	0.000119806	0.004290079	ugt1b2	ZDB-GENE-080227-11	ugt1b2
ENSDARG00000013794	174.2797927	-0.891917231	0.231881812	-3.846430314	0.000119851	0.004290079	klf11b	ZDB-GENE-061103-82	klf11b
ENSDARG00000031836	151.8811507	0.354186477	0.092081968	3.846426001	0.000119853	0.004290079	vps37c	ZDB-GENE-061110-126	vps37c
ENSDARG00000003017	84.11291049	-0.488719274	0.127115769	-3.844678568	0.000120711	0.004312156	ube2al	ZDB-GENE-030131-4195	ube2al
ENSDARG00000031278	91.98251633	0.779838866	0.202870497	3.844023046	0.000121034	0.004315102	si:ch73-193i2.2	ZDB-GENE-141215-32	si:ch73-193i2.2
ENSDARG00000003615	359.5433546	0.85343905	0.221212288	3.842203584	0.000121935	0.004338599	slc26a3.2	ZDB-GENE-041210-179	slc26a3.2
ENSDARG00000021439	691.9110344	-0.387580868	0.100916264	-3.840618466	0.000122725	0.004358065	ncoa4	ZDB-GENE-040426-689	ncoa4
ENSDARG00000035458	26302.09742	-0.847917676	0.220867396	-3.839035058	0.000123519	0.004377594	atp2a1l	ZDB-GENE-041229-2	atp2a1l
ENSDARG00000044298	51.8787236	0.704587254	0.183780139	3.833859627	0.000126148	0.004461962	phax	ZDB-GENE-040822-42	phax
ENSDARG00000070408	46.72707872	0.523933914	0.136759292	3.831066301	0.000127589	0.004504046	CR751235.1		
ENSDARG00000104172	587.6261748	-1.641321494	0.429491154	-3.82154901	0.000132616	0.004672306	diabloa	ZDB-GENE-040426-1303	diabloa
ENSDARG00000095912	73.74346694	0.504429566	0.13205754	3.819771021	0.000133576	0.004696885	si:dkey-229b18.3	ZDB-GENE-030131-6870	si:dkey-229b18.3
ENSDARG00000043475	51.79636867	-0.752085212	0.197009433	-3.817508645	0.000134806	0.004730875	TAGAP	ZDB-GENE-121214-340	si:ch211-122h15.4
ENSDARG00000043475	51.79636867	-0.752085212	0.197009433	-3.817508645	0.000134806	0.004730875	TAGAP	ZDB-GENE-040724-50	tagapb
ENSDARG00000029822	6468.840016	0.91536388	0.23981197	3.817006636	0.000135081	0.004731249	cel.2	ZDB-GENE-061110-10	cel.2
ENSDARG00000025549	105.0496044	-0.555340966	0.145518917	-3.816280223	0.000135479	0.004732074	ndufaf1	ZDB-GENE-050306-9	ndufaf1
ENSDARG00000109859	8.970086145	-1.394684455	0.365552732	-3.815275695	0.000136031	0.004732074	CABZ01072242.1		
ENSDARG00000025855	27.64847373	-0.79720658	0.208981421	-3.814724658	0.000136335	0.004732074	camk2n1a	ZDB-GENE-050522-319	camk2n1a
ENSDARG00000012311	339.8601076	-0.632571609	0.165835096	-3.814461614	0.00013648	0.004732074	myoz2a	ZDB-GENE-040426-1880	myoz2a
ENSDARG00000045277	84.75115779	0.608708166	0.159585765	3.81430114	0.000136569	0.004732074	rdh12l	ZDB-GENE-040801-48	rdh12l
ENSDARG00000076118	40.66290858	-0.573474397	0.150356929	-3.814086929	0.000136687	0.004732074	cdip1	ZDB-GENE-070720-18	cdip1
ENSDARG00000060862	78.1092169	-0.461032996	0.12094165	-3.812028332	0.000137831	0.004762475	atxn1b	ZDB-GENE-061218-2	atxn1b
ENSDARG00000034105	131.4916812	-0.565354229	0.148366464	-3.810525727	0.000138672	0.004782303	mtus1b	ZDB-GENE-070619-5	mtus1b
ENSDARG00000088835	71.9143592	0.455390387	0.119709745	3.804121266	0.000142308	0.004898306	efs	ZDB-GENE-030131-1658	efs
ENSDARG0000002071	124.890102	-0.541884555	0.142502757	-3.802625057	0.000143171	0.004912131	adss	ZDB-GENE-050417-337	adss
ENSDARG00000078251	20.9477736	0.915353139	0.240725639	3.802474648	0.000143258	0.004912131	TESK1	ZDB-GENE-090312-74	si:ch211-113e8.3
ENSDARG00000017982	92.65465618	1.082577206	0.284927266	3.799486165	0.000144996	0.004962253	cyp39a1	ZDB-GENE-041014-339	cyp39a1
ENSDARG00000102632	1522.370911	-0.45961329	0.121036776	-3.797302823	0.000146279	0.004994088	ubc	ZDB-GENE-061110-88	ubc
ENSDARG00000090882	269.8799728	0.560754741	0.14768533	3.796956286	0.000146484	0.004994088	si:rp71-36a1.5	ZDB-GENE-091204-428	si:rp71-36a1.5
ENSDARG00000043970	335.7961559	-0.426295364	0.112300174	-3.79603475	0.000147029	0.005003167	lrpprc	ZDB-GENE-030131-7887	lrpprc
ENSDARG00000063511	127.9474893	0.537266411	0.141557692	3.795388315	0.000147413	0.005006722	si:ch211-15d5.11	ZDB-GENE-131121-177	si:ch211-15d5.11
ENSDARG00000059701	304.3539773	0.310774633	0.081940631	3.792680484	0.00014903	0.005052084	flii	ZDB-GENE-071212-3	flii
ENSDARG00000032651	159.6548694	0.383128943	0.101132225	3.788396275	0.000151623	0.005130289	ppp1r10	ZDB-GENE-020419-15	ppp1r10
ENSDARG00000023040	39.89850328	0.552646964	0.145904711	3.787725296	0.000152033	0.005134471	zbtb1	ZDB-GENE-041001-126	zbtb1
ENSDARG00000059925	230.2661123	-0.394275647	0.104250863	-3.781989281	0.00015558	0.005244393	usp24	ZDB-GENE-030131-4356	usp24
ENSDARG00000105607	115.8294392	0.923956541	0.244410728	3.780343642	0.000156612	0.005269276	si:dkey-183c6.9	ZDB-GENE-160728-24	si:dkey-183c6.9
ENSDARG00000079474	5.411092853	1.521576163	0.402548335	3.779859536	0.000156917	0.005269644	MSANTD2	ZDB-GENE-091204-270	si:ch211-80m8.2

ENSDARG0000067996	142.1748617	0.369422053	0.09799199	3.76992091	0.000163299	0.005473731	csk	ZDB-GENE-061103-493	csk
ENSDARG00000104467	194.2807181	-1.071759102	0.284494625	-3.767238486	0.000165063	0.005507123	bglapl		
ENSDARG00000012071	259.0826122	-0.553617047	0.146964373	-3.767015324	0.000165211	0.005507123	angptl1a	ZDB-GENE-040724-269	angptl1a
ENSDARG00000013926	353.2104909	0.862345972	0.228920761	3.767006394	0.000165217	0.005507123	slc16a9a	ZDB-GENE-040426-1364	slc16a9a
ENSDARG00000055226	141.1960412	-0.720095022	0.191458071	-3.761110807	0.00016916	0.005628116	slc7a7	ZDB-GENE-051127-5	slc7a7
ENSDARG00000043514	162.5060287	0.796984119	0.211973721	3.759825112	0.000170032	0.005638894	si:key-239i20.4	ZDB-GENE-030131-2644	si:key-239i20.4
ENSDARG00000057652	482.4642488	-0.49715978	0.132233693	-3.759705779	0.000170113	0.005638894	dbpb	ZDB-GENE-100922-6	dbpb
ENSDARG00000090900	109.6971046	-1.238973168	0.329688167	-3.758015275	0.000171266	0.005666644	apnl	ZDB-GENE-030131-8907	apnl
ENSDARG00000089390	31.75874008	-0.966110561	0.257553361	-3.751108341	0.000176055	0.005814341	pnpla2	ZDB-GENE-120913-3	pnpla2
ENSDARG00000070484	185.8256424	-0.691431101	0.184370013	-3.75023623	0.000176668	0.005823875	zgc:195001	ZDB-GENE-081022-173	zgc:195001
ENSDARG00000007823	69.5699399	0.910496971	0.243060374	3.74597042	0.000179698	0.005912881	atf3	ZDB-GENE-040426-728	atf3
ENSDARG00000004451	56.88307859	0.520418904	0.139049853	3.742678571	0.000182069	0.005979935	tnfrsfa	ZDB-GENE-010802-1	tnfrsfa
ENSDARG00000008553	136.2695422	0.637139946	0.170322589	3.740783603	0.000183447	0.00600625	zgc:136872	ZDB-GENE-060421-5204	zgc:136872
ENSDARG00000022183	78.93101766	0.781013926	0.208790595	3.74065664	0.00018354	0.00600625	gst1	ZDB-GENE-040718-365	gst1
ENSDARG00000070581	93.41813664	0.618673577	0.165447876	3.739386632	0.00018447	0.006025255	ggact.1	ZDB-GENE-061103-94	ggact.1
ENSDARG00000000001	9.197301379	-1.233841826	0.329997163	-3.738946769	0.000184793	0.006025255	slc35a5	ZDB-GENE-030616-55	slc35a5
ENSDARG00000071673	59.53379406	-0.683109384	0.182779136	-3.737348791	0.000185971	0.00605266	ctdspla	ZDB-GENE-060825-333	ctdspla
ENSDARG00000020741	3294.027873	-0.585473132	0.157021195	-3.728624876	0.000192527	0.006254702	fga	ZDB-GENE-031010-21	fga
ENSDARG00000019304	4.787111318	-1.47088003	0.39542881	-3.719708809	0.000199453	0.006460037	phactr3b	ZDB-GENE-050522-156	phactr3b
ENSDARG00000060215	60.86469117	-0.576678544	0.155039361	-3.719562185	0.000199568	0.006460037	cep85	ZDB-GENE-030131-1998	cep85
ENSDARG00000000906	42.93318181	0.567935953	0.152720051	3.718804116	0.000200168	0.006467777	skap2	ZDB-GENE-030616-438	skap2
ENSDARG00000086848	33.0127171	-0.75356731	0.203046061	-3.711312127	0.000206188	0.006650294	atad3	ZDB-GENE-040426-1826	atad3
ENSDARG00000079560	335.0370807	0.70127187	0.189102873	3.708414678	0.000208561	0.006714763	ptprh	ZDB-GENE-091118-90	ptprh
ENSDARG000000062598	30.32439795	0.683470612	0.184439979	3.705653265	0.000210847	0.006776186	lhc4s	ZDB-GENE-110411-32	lhc4s
ENSDARG00000024829	95.73516929	-0.585911136	0.158279291	-3.701754861	0.000214113	0.006868866	tnn	ZDB-GENE-990415-262	tnn
ENSDARG00000101990	19.44089996	-1.750248731	0.472883604	-3.70122524	0.000214561	0.00687093	CU571315.3		
ENSDARG00000005210	106.8652939	0.571234012	0.154642168	3.693908447	0.000220833	0.007048149	coro2a	ZDB-GENE-030131-2258	coro2a
ENSDARG00000069293	5280.442497	-0.651699836	0.176428173	-3.693853565	0.000220881	0.007048149	ahsg2	ZDB-GENE-030131-1133	ahsg2
ENSDARG00000097446	90.08875186	1.840189099	0.498254716	3.693269806	0.000221389	0.007051807	si:ch211-66i15.5	ZDB-GENE-090313-122	si:ch211-66i15.5
ENSDARG00000007737	52.61798126	-0.52265728	0.141534056	-3.692802252	0.000221796	0.007052263	zyg11	ZDB-GENE-041014-17	zyg11
ENSDARG00000074282	413.5009772	0.550306862	0.149092489	3.691043497	0.000223336	0.007088643	si:ch73-12o23.1	ZDB-GENE-130530-749	si:ch73-12o23.1
ENSDARG00000008969	2866.469989	-0.644958964	0.17488283	-3.687949027	0.000226069	0.00716271	fgb	ZDB-GENE-030131-9261	fgb
ENSDARG00000099329	176.5901544	0.404843262	0.109868792	3.684788522	0.000228893	0.007239385	h2afy	ZDB-GENE-060421-4796	h2afy
ENSDARG00000110991	56.7862377	-0.717719999	0.194976441	-3.681060111	0.000232266	0.007333152	ZNF276	ZDB-GENE-070209-176	zgc:158366
ENSDARG00000068710	853.2601085	-0.43408262	0.118170995	-3.673343191	0.000239398	0.007545022	nid1a	ZDB-GENE-050302-58	nid1a
ENSDARG00000035327	15014.56052	-0.631078164	0.171992559	-3.669217838	0.000243294	0.007654361	ckma	ZDB-GENE-980526-109	ckma
ENSDARG00000061717	16.69511866	0.953817241	0.2600874	3.667295081	0.00024513	0.007698623	cytip	ZDB-GENE-140106-76	cytip
ENSDARG00000060494	687.7044045	-0.346293522	0.094504011	-3.664326187	0.000247991	0.007764878	eprs	ZDB-GENE-030131-638	eprs
ENSDARG00000089245	33.38801193	-0.699031227	0.19077282	-3.66420765	0.000248105	0.007764878	dusp23b	ZDB-GENE-040718-163	dusp23b
ENSDARG00000008255	190.5396774	-0.396694886	0.108298646	-3.662971805	0.000249306	0.0077756	cnot6a	ZDB-GENE-030131-2768	cnot6a
ENSDARG00000011613	289.8417127	-0.316549064	0.08641887	-3.662962301	0.000249315	0.0077756	rhm39a	ZDB-GENE-040426-2852	rhm39a
ENSDARG00000089724	21.815473	-1.113504647	0.304227531	-3.660104797	0.000252112	0.007823756	cylb	ZDB-GENE-100208-1	cylb
ENSDARG00000074293	42.25628219	0.509733631	0.139281248	3.659743411	0.000252468	0.007823756	adnpb	ZDB-GENE-030131-6385	adnpb
ENSDARG00000044760	162.5226265	0.364388954	0.099568618	3.65967671	0.000252534	0.007823756	gnaia	ZDB-GENE-030131-2229	gnaia
ENSDARG00000021033	73.69156074	-0.447438123	0.12226552	-3.659560945	0.000252648	0.007823756	herpud2	ZDB-GENE-040426-868	herpud2
ENSDARG00000019236	137.1185374	0.563981128	0.154128465	3.659162687	0.000253041	0.007823756	gsr	ZDB-GENE-050522-116	gsr
ENSDARG00000043923	103.9128459	0.458690513	0.125398252	3.657870085	0.00025432	0.007849774	sox9b	ZDB-GENE-001103-2	sox9b
ENSDARG00000016439	61.25759538	-0.611044388	0.167370221	-3.650854873	0.000261369	0.008053485	slc7a1	ZDB-GENE-091116-69	slc7a1
ENSDARG00000062182	60.40142809	-0.692424601	0.189761453	-3.648921259	0.000263344	0.008100419	slc22a7b.3	ZDB-GENE-131120-103	slc22a7b.3

ENSDARG00000076381	306.7560263	-0.478538527	0.131192708	-3.64760004	0.000264701	0.008128232	slc25a1b	ZDB-GENE-130114-1	slc25a1b
ENSDARG00000036493	17.02698201	-0.896108893	0.24580503	-3.645608438	0.00026676	0.008177445	si:ch73-174h16.4	ZDB-GENE-160728-69	si:ch73-174h16.4
ENSDARG00000003446	142.9126309	0.512206177	0.140604229	3.642893123	0.000269591	0.008250122	ippk	ZDB-GENE-050327-41	ippk
ENSDARG00000042141	53.26419799	0.585631809	0.160782571	3.642383665	0.000270125	0.00825239	myo6b	ZDB-GENE-030318-3	myo6b
ENSDARG00000068257	20.4516725	-0.740514814	0.203555919	-3.637893798	0.000274877	0.008381797	kcne4	ZDB-GENE-050419-163	kcne4
ENSDARG00000006220	1377.352279	0.553561737	0.152181864	3.637501367	0.000275296	0.008381797	ugt1a7	ZDB-GENE-071004-5	ugt1a2
ENSDARG00000006220	1377.352279	0.553561737	0.152181864	3.637501367	0.000275296	0.008381797	ugt1a7	ZDB-GENE-071004-4	ugt1a1
ENSDARG00000006220	1377.352279	0.553561737	0.152181864	3.637501367	0.000275296	0.008381797	ugt1a7	ZDB-GENE-080227-5	ugt1a6
ENSDARG00000006220	1377.352279	0.553561737	0.152181864	3.637501367	0.000275296	0.008381797	ugt1a7	ZDB-GENE-080227-6	ugt1a7
ENSDARG00000053569	10.29713344	-1.517402368	0.417421994	-3.635175891	0.000277791	0.008443435	sox3	ZDB-GENE-980526-333	sox3
ENSDARG00000113643	66.07955482	0.514689199	0.141651036	3.63350114	0.000279601	0.008484075	ralbb	ZDB-GENE-040625-121	ralbb
ENSDARG0000004218	33.86757041	0.791153824	0.217787081	3.632694006	0.000280478	0.00849629	rnd1b	ZDB-GENE-060315-7	rnd1b
ENSDARG00000034988	5.621683385	-1.491870441	0.410794858	-3.631667758	0.000281596	0.008515771	asb4	ZDB-GENE-050417-100	asb4
ENSDARG00000034852	65.4810669	-0.879353445	0.242316882	-3.628940079	0.000284587	0.008591757	nt5c2l1	ZDB-GENE-031006-8	nt5c2l1
ENSDARG00000069893	281.1631971	0.58209677	0.160474605	3.62734508	0.00028635	0.008619686	sphk2	ZDB-GENE-100922-225	sphk2
ENSDARG00000060854	40.36944926	-0.589272076	0.162457697	-3.627233962	0.000286474	0.008619686	kctd3	ZDB-GENE-060503-169	kctd3
ENSDARG00000071215	68.2960927	0.455216227	0.125535021	3.626209044	0.000287613	0.008639457	palm3	ZDB-GENE-061215-74	palm3
ENSDARG00000056621	248.9158599	0.261241709	0.072075781	3.62454217	0.000289474	0.008654266	ctcf	ZDB-GENE-040624-5	ctcf
ENSDARG00000079340	39.03727353	-0.645186857	0.178006264	-3.624517715	0.000289501	0.008654266	slc47a4	ZDB-GENE-130530-865	slc47a4
ENSDARG00000016391	16.12619533	-1.164476366	0.321318678	-3.624054385	0.000290021	0.008654266	calcoco1b	ZDB-GENE-031118-126	calcoco1b
ENSDARG00000100020	197.1381125	-0.653808188	0.180422062	-3.623770737	0.000290339	0.008654266	pim1	ZDB-GENE-061013-139	pim1
ENSDARG00000054058	360.7321962	0.628886448	0.17355242	3.623610948	0.000290518	0.008654266	h1fx	ZDB-GENE-030131-1228	h1fx
ENSDARG00000031534	48.30450291	0.706680857	0.19518411	3.620213018	0.000294361	0.008754176	CU571315.1		
ENSDARG00000071014	258.2465069	0.51449805	0.142185522	3.618498164	0.000296318	0.008797787	s100u	ZDB-GENE-030131-3121	s100u
ENSDARG00000008238	64.88763986	0.552111455	0.152686805	3.615973585	0.000299221	0.008869303	manba	ZDB-GENE-040426-721	manba
ENSDARG00000063375	117.2170949	0.446448132	0.123542375	3.6137247	0.00030183	0.008931863	pter	ZDB-GENE-060825-190	pter
ENSDARG00000041359	61.13014717	0.436401394	0.120783827	3.613078052	0.000302584	0.008939425	zgc:161969	ZDB-GENE-030131-2597	zgc:161969
ENSDARG00000077300	67.86417219	0.49943698	0.138423253	3.608042501	0.000308516	0.009099699	usp42	ZDB-GENE-030131-5739	usp42
ENSDARG00000036058	38.72445513	0.777104701	0.215464734	3.606644518	0.000310182	0.00913382	gnao1b	ZDB-GENE-040426-1693	gnao1b
ENSDARG00000078041	162.1256787	0.517633656	0.143680536	3.602670682	0.000314964	0.009259439	xpo1a	ZDB-GENE-050309-201	xpo1a
ENSDARG00000088390	90.63326046	-0.78448502	0.217802662	-3.60181558	0.000316003	0.009266491	nme4	ZDB-GENE-040426-1043	nme4
ENSDARG00000009134	48.76383452	0.581515255	0.161459263	3.601622124	0.000316238	0.009266491	hlx1	ZDB-GENE-030131-5304	hlx1
ENSDARG00000062370	114.8330058	-0.473460871	0.131513529	-3.600092498	0.000318104	0.009304878	bcl2l13	ZDB-GENE-050419-215	bcl2l13
ENSDARG00000104039	173.1613809	-0.707986619	0.196679386	-3.59969915	0.000318586	0.009304878	errfi1a	ZDB-GENE-030131-6256	errfi1a
ENSDARG00000058693	1360.92534	-0.325295241	0.090380845	-3.599161308	0.000319245	0.00930898	cast	ZDB-GENE-050810-2	cast
ENSDARG00000095102	13.3069466	1.222814803	0.339902713	3.597543519	0.000321237	0.009337797	si:ch211-132g1.4	ZDB-GENE-090313-26	si:ch211-132g1.4
ENSDARG00000070140	400.575116	1.344040456	0.373609173	3.597450362	0.000321352	0.009337797	RETSAT	ZDB-GENE-061110-141	zgc:154169
ENSDARG00000075048	205.5960192	-0.670742681	0.186470016	-3.597053801	0.000321842	0.009337797	lonrf1	ZDB-GENE-101021-4	lonrf1
ENSDARG00000037894	72.14167567	0.652678961	0.181467538	3.596670609	0.000322316	0.009337797	ezh1	ZDB-GENE-050114-1	ezh1
ENSDARG00000069735	21.67953976	-2.660248459	0.740396884	-3.593003317	0.000326888	0.009454984	hbaa2	ZDB-GENE-081104-38	hbaa2
ENSDARG00000043986	15.42517549	0.857440325	0.238845538	3.589936547	0.000330758	0.009541289	setd6	ZDB-GENE-030131-1067	setd6
ENSDARG00000055514	80.7496699	-0.77733383	0.216539811	-3.589796386	0.000330936	0.009541289	icn2	ZDB-GENE-070822-9	icn2
ENSDARG00000092778	66.00734491	-1.07158227	0.298769789	-3.586648686	0.000334955	0.009638411	si:ch73-338o16.4	ZDB-GENE-131119-14	si:ch73-338o16.4
ENSDARG00000019417	59.63933557	-0.974511233	0.271748911	-3.586072271	0.000335696	0.009638411	gadd45ga	ZDB-GENE-040426-1882	gadd45ga
ENSDARG00000056045	128.5413005	0.528851101	0.147480708	3.585900197	0.000335917	0.009638411	si:ch73-139e5.4	ZDB-GENE-130531-31	si:ch73-139e5.4
ENSDARG00000115817	13.85680544	20.8169435	5.15591288	3.57950593	0.000344244	0.009861558	si:dkey-46g23.2	ZDB-GENE-070705-476	si:dkey-46g23.2
ENSDARG00000061378	41.37182393	-0.594096652	0.166220299	-3.574152224	0.000351364	0.010049472	smg8	ZDB-GENE-091204-279	smg8
ENSDARG00000037748	172.8690385	-0.44686847	0.125056639	-3.57332865	0.000352472	0.010065094	slc43a1b	ZDB-GENE-070209-173	slc43a1b
ENSDARG00000053159	42.49322934	0.482849495	0.135145905	3.572801535	0.000353182	0.010069349	zgc:110626	ZDB-GENE-050417-447	zgc:110626

ENSDARG0000069603	218.1706268	0.296689115	0.083078765	3.571178673	0.000355378	0.010115873	taok1a	ZDB-GENE-130103-9	taok1a
ENSDARG0000034771	110.9236505	0.481898248	0.13500415	3.569506929	0.000357654	0.010158533	rab13	ZDB-GENE-030826-30	rab13
ENSDARG0000068586	2752.2284	0.686539811	0.192348689	3.569246112	0.00035801	0.010158533	CU302253.1		
ENSDARG0000088013	22.907854	0.883652316	0.247804055	3.565931628	0.000362566	0.010271555	CYP27A1 (1 of many)	ZDB-GENE-060616-143	zgc:136333
ENSDARG00000103720	422.6751942	-0.569329419	0.159838937	-3.561894434	0.000368188	0.01041439	zgc:162730	ZDB-GENE-030131-6366	zgc:162730
ENSDARG0000097539	25.71138722	-1.841539899	0.517245342	-3.560283196	0.000370455	0.010462001	si:ch211-39f2.3	ZDB-GENE-131126-52	si:ch211-39f2.3
ENSDARG0000093279	35.46215365	0.952403106	0.267798599	3.556415562	0.000375949	0.010600468	si:dkey-11o1.3	ZDB-GENE-100921-37	si:dkey-11o1.3
ENSDARG00000112049	80.25099004	0.637400671	0.179257553	3.55578139	0.000376857	0.010609392	cldn15a	ZDB-GENE-040426-1305	cldn15a
ENSDARG0000079150	57.34242955	0.557859341	0.157012261	3.552966741	0.000380913	0.010706749	si:ch211-276i12.9	ZDB-GENE-141216-132	si:ch211-276i12.9
ENSDARG0000060954	84.23875765	0.405195227	0.11406096	3.55244448	0.00038167	0.010711236	tmcc1b	ZDB-GENE-061013-154	tmcc1b
ENSDARG0000013542	142.7490317	0.372623075	0.104930379	3.551145801	0.000383558	0.010747411	lpgat1	ZDB-GENE-030131-2906	lpgat1
ENSDARG0000005186	82.90208701	0.403337557	0.113640301	3.549247516	0.000386334	0.010797733	sp4	ZDB-GENE-031202-3	sp4
ENSDARG0000054363	85.46834733	-0.472113543	0.133032401	-3.548861335	0.000386901	0.010797733	si:zfos-464b6.2	ZDB-GENE-030131-5337	si:zfos-464b6.2
ENSDARG0000039929	899.6387279	-0.577425162	0.162715255	-3.548684863	0.00038716	0.010797733	ckmt2b	ZDB-GENE-040426-1654	ckmt2b
ENSDARG0000054898	95.27898681	0.640833919	0.18062385	3.547892034	0.000388327	0.010803947	ms4a17a.16	ZDB-GENE-060825-240	ms4a17a.16
ENSDARG0000042187	196.5698815	0.265588053	0.074861713	3.547715411	0.000388588	0.010803947	smek1	ZDB-GENE-030131-3958	smek1
ENSDARG0000039007	3661.598659	-0.447792754	0.126299238	-3.545490528	0.000391883	0.010875962	eno3	ZDB-GENE-031006-5	eno3
ENSDARG0000007601	38.49572483	0.620038883	0.174897827	3.545149148	0.000392391	0.010875962	zmynd8	ZDB-GENE-041119-1	zmynd8
ENSDARG0000077637	28.63845313	0.85276246	0.240686516	3.543042107	0.00039554	0.010936553	mal2	ZDB-GENE-081022-204	mal2
ENSDARG0000013430	4673.543014	-0.566722728	0.159961449	-3.542870681	0.000395797	0.010936553	bhmt	ZDB-GENE-030131-947	bhmt
ENSDARG0000038666	71.82154635	-2.29783645	0.649218978	-3.539385826	0.000401059	0.011064915	igfbp1b	ZDB-GENE-081210-3	igfbp1b
ENSDARG0000070672	32.65221985	-0.822466785	0.232423111	-3.538661807	0.000402161	0.011078262	slc2a9l1	ZDB-GENE-090915-3	slc2a9l1
ENSDARG0000034700	122.5202729	0.468664736	0.132461757	3.53811354	0.000402997	0.011084264	vegfab	ZDB-GENE-030131-4605	vegfab
ENSDARG00000103199	120.8989847	-0.76834465	0.217344218	-3.535151096	0.000407542	0.011192116	si:dkey-247k7.2	ZDB-GENE-031118-45	si:dkey-247k7.2
ENSDARG0000030107	291.8482929	-0.549222718	0.155532235	-3.531246871	0.000413606	0.011321386	si:ch211-207i1.2	ZDB-GENE-041014-149	si:ch211-207i1.2
ENSDARG0000042469	117.2703598	-0.53178617	0.150602847	-3.531049907	0.000413914	0.011321386	ndufa12	ZDB-GENE-050828-1	ndufa12
ENSDARG00000078349	193.4461066	0.732086887	0.207336998	3.530903281	0.000414143	0.011321386	zmp:0000000845	ZDB-GENE-130530-848	zmp:0000000845
ENSDARG0000067889	47.97253187	0.659189821	0.18675322	3.529737386	0.000415972	0.011354082	gltpd2	ZDB-GENE-060526-346	gltpd2
ENSDARG0000022410	371.5056448	-0.395985546	0.112248848	-3.527747074	0.000419112	0.011422406	rrp12	ZDB-GENE-050706-182	rrp12
ENSDARG0000001950	1128.068685	-0.46983908	0.133315017	-3.524277237	0.00042464	0.011555484	ak1	ZDB-GENE-040822-37	ak1
ENSDARG0000051861	469.5602254	-0.550803869	0.156323476	-3.523487851	0.000425907	0.011572399	pkp3a	ZDB-GENE-060512-114	pkp3a
ENSDARG0000037872	154.0467273	-0.527467048	0.150010646	-3.51619744	0.000437775	0.01187689	foxk1	ZDB-GENE-030131-6402	foxk1
ENSDARG0000013856	7064.840046	0.833131707	0.236994976	3.515398178	0.000439095	0.011894702	amy2a	ZDB-GENE-040426-2393	amy2a
ENSDARG0000005565	125.3793092	-0.685687581	0.195112554	-3.514318112	0.000440884	0.011925161	entpd8	ZDB-GENE-040724-142	entpd8
ENSDARG00000077040	45.65391189	-0.519709503	0.147920723	-3.513432682	0.000442356	0.011946956	si:ch211-85n16.4	ZDB-GENE-030131-7043	si:ch211-85n16.4
ENSDARG00000104587	610.2278704	-0.60598393	0.172505049	-3.512847488	0.000443332	0.011955294	srl	ZDB-GENE-061110-91	srl
ENSDARG0000079717	52.62383179	0.510307252	0.145337642	3.511184337	0.000446115	0.012012281	rbm12b	ZDB-GENE-030131-6428	rbm12b
ENSDARG00000036135	301.9568294	-0.681774022	0.194299307	-3.508885516	0.000449989	0.012098418	bbox1	ZDB-GENE-050417-218	bbox1
ENSDARG0000089697	36.44813167	0.856039549	0.244068267	3.507377501	0.000452547	0.012146878	nfe2l2b	ZDB-GENE-120320-3	nfe2l2b
ENSDARG0000069342	74.8048606	0.637026623	0.181642996	3.507025521	0.000453146	0.012146878	zgc:153115	ZDB-GENE-061013-418	zgc:153115
ENSDARG00000100190	22.68429477	-1.098389482	0.313261776	-3.506299091	0.000454384	0.012161902	si:ch211-188p14.4	ZDB-GENE-121214-355	si:ch211-188p14.4
ENSDARG0000074245	214.028542	0.404602584	0.115433581	3.505068275	0.00045649	0.012200058	spen	ZDB-GENE-050309-70	spen
ENSDARG0000013711	697.4915346	0.420447036	0.120166372	3.498874337	0.000467227	0.012468418	zgc:77486	ZDB-GENE-040426-2056	zgc:77486
ENSDARG0000012574	69.56197194	0.543604327	0.155452824	3.496908673	0.000470683	0.012541987	slkb	ZDB-GENE-030131-1684	slkb
ENSDARG0000011371	140.4107802	-0.600056762	0.171648565	-3.495844902	0.000472563	0.012569298	zgc:64106	ZDB-GENE-040426-1370	zgc:64106
ENSDARG0000020574	2948.433249	-0.886606506	0.253639605	-3.495536536	0.00047311	0.012569298	atp2a1	ZDB-GENE-020905-1	atp2a1
ENSDARG0000036967	78.78671247	-0.537425195	0.153789134	-3.494558961	0.000474846	0.012596758	smox	ZDB-GENE-031201-3	smox
ENSDARG0000078878	14.27373158	1.49927869	0.429088995	3.494097281	0.000475668	0.012599923	si:ch73-244f7.3	ZDB-GENE-121214-178	si:ch73-244f7.3
ENSDARG0000053104	43.99722832	-0.50462915	0.144460376	-3.493201141	0.000477267	0.012623638	fam102ba	ZDB-GENE-060616-312	fam102ba

ENSDARG0000079011	269.0853137	-0.700217301	0.200520421	-3.491999948	0.000479418	0.012661869	col17a1b	ZDB-GENE-030131-7145	col17a1b
ENSDARG00000102756	5.518823894	2.632024055	0.754125911	3.490165259	0.000482722	0.012730371	nr0b2b	ZDB-GENE-080403-9	nr0b2b
ENSDARG00000103542	47.5600161	0.714969131	0.204932546	3.488802272	0.00048519	0.012776667	vegfaa	ZDB-GENE-990415-273	vegfaa
ENSDARG0000008029	1145.093064	0.560866956	0.161006714	3.483500419	0.000494902	0.013013319	mep1a.2	ZDB-GENE-041001-208	mep1a.2
ENSDARG00000016231	119.999826	0.507514041	0.145756804	3.4819235	0.000497826	0.013071027	bcap29	ZDB-GENE-050522-468	bcap29
ENSDARG00000017953	8.622598385	-1.018656962	0.292662298	-3.480656607	0.000500186	0.013113803	tp73	ZDB-GENE-030814-2	tp73
ENSDARG00000032619	799.8746877	-0.376258315	0.108135502	-3.479507724	0.000502336	0.013140592	tob1a	ZDB-GENE-031030-4	tob1a
ENSDARG00000091136	603.1109635	1.05528922	0.303302629	3.479327635	0.000502674	0.013140592	zgc:174259	ZDB-GENE-080213-10	zgc:174259
ENSDARG00000014717	441.6477244	-0.384820359	0.110657841	-3.477569736	0.000505981	0.013207809	dync1h1	ZDB-GENE-030131-7050	dync1h1
ENSDARG00000086483	4.217360412	2.583791451	0.743321706	3.476006997	0.000508939	0.013265702	si:ch211-132p1.4	ZDB-GENE-141222-68	si:ch211-132p1.4
ENSDARG00000041644	379.33045	-0.47809507	0.137921292	-3.46643409	0.000527411	0.013727231	si:dkey-194e6.1	ZDB-GENE-100922-43	si:dkey-194e6.1
ENSDARG00000075164	125.0590006	0.424804615	0.122684093	3.462589202	0.000535005	0.01390469	mylk5	ZDB-GENE-050309-74	mylk5
ENSDARG00000068638	9.714433096	1.102433613	0.318526895	3.461037766	0.000538097	0.013964832	lpar5b	ZDB-GENE-081022-116	lpar5b
ENSDARG00000112575	43.94659766	-0.916194082	0.26484735	-3.459328861	0.000541523	0.014031453	CU467905.1		
ENSDARG00000100518	43.25512916	0.550265851	0.159099875	3.458618997	0.000542952	0.014031453	CR387919.1		
ENSDARG00000059610	67.30614306	-0.460124844	0.13303829	-3.458589581	0.000543012	0.014031453	gpr146	ZDB-GENE-050823-3	gpr146
ENSDARG00000034063	24.74803101	0.902264064	0.261001329	3.456932834	0.000546361	0.014097686	unm_sa911	ZDB-GENE-120727-3	unm_sa911
ENSDARG00000013841	77.82676265	-0.3806611	0.110201179	-3.454237997	0.00055185	0.014218863	abl2	ZDB-GENE-020809-2	abl2
ENSDARG00000002634	11.71274907	1.024542881	0.29666079	3.453583742	0.000553191	0.014232949	b4galt1	ZDB-GENE-050417-236	b4galt1
ENSDARG00000074341	104.5949164	0.63347006	0.183606876	3.450143437	0.000560289	0.014394926	hykk.2	ZDB-GENE-080204-31	hykk.2
ENSDARG00000095048	143.3485241	1.089447191	0.316014311	3.447461567	0.000565881	0.0145178	si:dkey-250k15.7	ZDB-GENE-100921-33	si:dkey-250k15.7
ENSDARG00000074540	3.917507087	-1.536340589	0.446112074	-3.443844445	0.000573506	0.014692393	gpr63	ZDB-GENE-110411-183	gpr63
ENSDARG00000093173	12.16509252	2.821186975	0.819485292	3.442632836	0.000576081	0.014737315	si:dkey-93m18.6	ZDB-GENE-091204-133	si:dkey-93m18.6
ENSDARG00000074995	89.5865443	-0.355855715	0.10343286	-3.440451263	0.000580745	0.014835471	eif2b5	ZDB-GENE-030131-5364	eif2b5
ENSDARG00000098597	6.26774522	-1.247215114	0.362673204	-3.438950275	0.000583974	0.014896749	CU570791.1		
ENSDARG00000058160	8.687620126	1.691362453	0.492705276	3.432807677	0.000597366	0.015216703	tnfaip2b	ZDB-GENE-081107-56	tnfaip2b
ENSDARG00000069934	207.599765	0.438132525	0.127788847	3.428566236	0.000606778	0.01543455	parp4	ZDB-GENE-070912-387	parp4
ENSDARG00000009544	107.0205051	-0.637263213	0.186018096	-3.425813005	0.000612962	0.015569761	cldnb	ZDB-GENE-010328-2	cldnb
ENSDARG00000077298	98.89225758	0.381148633	0.111296552	3.424622118	0.000615655	0.01559269	gas1a	ZDB-GENE-050302-155	gas1a
ENSDARG00000045898	61.12533875	-0.651135521	0.190148345	-3.424355453	0.00061626	0.01559269	si:ch211-152c2.3	ZDB-GENE-030131-9914	si:ch211-152c2.3
ENSDARG00000068064	105.1351267	-0.55282357	0.161443167	-3.424261188	0.000616473	0.01559269	sirt1	ZDB-GENE-070801-2	sirt1
ENSDARG00000103286	10.42773856	-0.92893273	0.271653933	-3.419544569	0.000627261	0.015825607	kcnk4a	ZDB-GENE-141211-80	kcnk4a
ENSDARG00000038075	604.1507015	-0.318942352	0.093272623	-3.419463722	0.000627447	0.015825607	cyc1	ZDB-GENE-031105-2	cyc1
ENSDARG00000019949	291.0813229	0.581816443	0.170252424	3.417375375	0.00063228	0.015906959	serpinh1b	ZDB-GENE-990415-93	serpinh1b
ENSDARG00000012341	48.25166645	-0.749543915	0.2193378	-3.417303879	0.000632446	0.015906959	capn9	ZDB-GENE-010724-2	capn9
ENSDARG00000056773	14.06904243	-2.692399136	0.788123902	-3.416213019	0.000634986	0.015934884	zgc:163079	ZDB-GENE-030131-7428	zgc:163079
ENSDARG00000087186	120.2696626	-0.532764559	0.155958614	-3.416063689	0.000635334	0.015934884	si:ch211-232b12.5	ZDB-GENE-031002-40	si:ch211-232b12.5
ENSDARG00000044525	46.04915397	-0.575494291	0.168505337	-3.415288202	0.000637146	0.015958005	pparda	ZDB-GENE-990415-212	pparda
ENSDARG00000039493	55.96889196	-0.425562574	0.12471059	-3.412401251	0.000643933	0.016105498	naa20	ZDB-GENE-050327-47	naa20
ENSDARG00000074660	69.53282843	0.48629483	0.142551657	3.41135867	0.0006464	0.016144696	rilp	ZDB-GENE-100408-4	rilp
ENSDARG00000105644	352.9377829	0.629509775	0.184597884	3.41016788	0.000649229	0.016192801	zgc:172079	ZDB-GENE-080204-103	zgc:172079
ENSDARG00000040884	152.3028854	-0.534791803	0.156895673	-3.408582241	0.000653014	0.016264583	mxi1	ZDB-GENE-990415-151	mxi1
ENSDARG00000042837	241.5613736	-0.37251531	0.109321188	-3.407530735	0.000655535	0.016304735	atp1b3b	ZDB-GENE-001127-1	atp1b3b
ENSDARG00000017891	733.1365847	-0.329918261	0.09683247	-3.407103637	0.000656562	0.016307652	tcp1	ZDB-GENE-990714-24	tcp1
ENSDARG00000012981	35.31998732	-0.872391796	0.256134577	-3.405989948	0.000659246	0.016351673	osbpl7	ZDB-GENE-041010-212	osbpl7
ENSDARG00000100498	131.2553359	0.734032558	0.215538975	3.405567645	0.000660267	0.016354364	CABZ01079251.1		
ENSDARG00000002362	74.519701	-0.483570822	0.142106924	-3.40286601	0.00066683	0.016494149	ubald1a	ZDB-GENE-040718-191	ubald1a
ENSDARG00000077180	50.70277329	-0.647343542	0.190259163	-3.402430299	0.000667894	0.016497715	slc37a4b	ZDB-GENE-040426-827	slc37a4b
ENSDARG00000101886	146.6613043	0.393154695	0.115649945	3.399523395	0.000675034	0.016651149	pdxdc1	ZDB-GENE-040912-16	pdxdc1

ENSDARG00000036588	2040.022341	0.469420136	0.138114722	3.398769722	0.000676897	0.016674163	mhc1zba	ZDB-GENE-040426-2149	mhc1zba
ENSDARG00000032856	20.17809364	-0.705875874	0.207728359	-3.398071774	0.000678626	0.016693831	ccdc120	ZDB-GENE-061027-93	ccdc120
ENSDARG00000098903	44.59199832	0.537723311	0.158316484	3.39650866	0.000682514	0.01676647	tfe3a	ZDB-GENE-010919-2	tfe3a
ENSDARG00000036414	495.7396749	-0.490665841	0.144685555	-3.391256592	0.000695729	0.017044732	si:ch73-335 21.1	ZDB-GENE-130530-591	si:ch73-335 21.1
ENSDARG00000071566	69.91951125	0.453908503	0.133846899	3.391251536	0.000695742	0.017044732	ppp1cab	ZDB-GENE-030131-5512	ppp1cab
ENSDARG00000088124	57.20846269	-0.484391152	0.142938581	-3.388806213	0.000701976	0.017136624	adrb2a	ZDB-GENE-100414-3	adrb2a
ENSDARG00000024789	35.87963608	1.327402274	0.391702031	3.388806207	0.000701976	0.017136624	mxo	ZDB-GENE-030721-7	mxo
ENSDARG00000089302	185.4494855	0.310431867	0.091609133	3.388656317	0.00070236	0.017136624	hnrnpa0a	ZDB-GENE-030131-2249	hnrnpa0a
ENSDARG00000043185	66.35572495	0.444516947	0.131203878	3.387986339	0.000704078	0.017155198	mlt1a	ZDB-GENE-081105-45	mlt1a
ENSDARG00000020956	1841.84982	-0.410453917	0.121336506	-3.382773505	0.000717578	0.017460412	pck2	ZDB-GENE-040426-2266	pck2
ENSDARG00000017165	264.2338311	0.657507638	0.194448995	3.381388722	0.000721204	0.017524875	slc3a1	ZDB-GENE-090313-225	slc3a1
ENSDARG00000063079	39.58337459	0.843760786	0.249666746	3.379548128	0.000726051	0.017618771	ago3b	ZDB-GENE-060503-452	ago3b
ENSDARG00000086457	90.41412131	0.427106666	0.126400136	3.379004793	0.000727487	0.017629772	tnfaipl81	ZDB-GENE-040426-695	tnfaipl81
ENSDARG00000056836	305.2568583	-0.772910032	0.228770541	-3.37853829	0.000728723	0.017631994	si:ch211-125o16.4	ZDB-GENE-131120-100	si:ch211-125o16.4
ENSDARG00000101272	6.287256388	1.448414343	0.428749724	3.37822805	0.000729546	0.017631994	si:dkey-29j8.1	ZDB-GENE-110913-11	si:dkey-29j8.1
ENSDARG00000105411	549.7424286	-0.707592795	0.209602733	-3.375875801	0.000735811	0.017759493	si:ch211-113d11.5	ZDB-GENE-030131-6391	si:ch211-113d11.5
ENSDARG00000053366	18.48068687	1.069692915	0.317032853	3.374075922	0.000740639	0.017851997	ftr12	ZDB-GENE-070912-196	ftr12
ENSDARG00000089162	49.79408341	0.486462659	0.144233227	3.372750287	0.000744214	0.017914083	afap11a	ZDB-GENE-050913-76	afap11a
ENSDARG00000016132	156.1213738	-0.414815791	0.123010401	-3.372200936	0.0007457	0.017925794	keap1a	ZDB-GENE-030131-556	keap1a
ENSDARG00000000229	58.0678167	0.507758934	0.150691376	3.369528807	0.000752968	0.018062092	usp49	ZDB-GENE-050208-484	usp49
ENSDARG00000016483	165.8811691	0.485583178	0.144116629	3.369376468	0.000753385	0.018062092	baiapl22a	ZDB-GENE-040108-10	baiapl22a
ENSDARG00000058593	225.6298538	0.438097205	0.130043791	3.368843696	0.000754842	0.018072878	sri	ZDB-GENE-040426-1356	sri
ENSDARG00000103589	163.6625874	0.564651216	0.167660147	3.367832054	0.000757617	0.018115135	gata6	ZDB-GENE-000622-1	gata6
ENSDARG00000061576	16.43763732	-0.821742096	0.244189822	-3.365177507	0.000764944	0.018265974	gldn	ZDB-GENE-050119-4	gldn
ENSDARG00000020976	55.81122975	-0.609030243	0.181213594	-3.360841918	0.000777053	0.018530437	ubald1b	ZDB-GENE-050522-446	ubald1b
ENSDARG00000009196	26.75936947	-1.11808901	0.332870814	-3.358927737	0.000782455	0.018634489	anxa3a	ZDB-GENE-040912-58	anxa3a
ENSDARG00000035552	34.76997112	-0.544948776	0.162385124	-3.355903322	0.000791062	0.01881448	agtr2	ZDB-GENE-050306-56	agtr2
ENSDARG00000088143	28.23116915	-0.832100457	0.248023856	-3.354921061	0.000793876	0.018856403	sema4gb	ZDB-GENE-111117-1	sema4gb
ENSDARG00000015563	91.45562991	0.453433334	0.13536719	3.349654634	0.000809124	0.019189136	zgc:123305	ZDB-GENE-051120-171	zgc:123305
ENSDARG00000059906	223.7100644	0.355587904	0.10616636	3.349346291	0.000810025	0.019189136	sdc4	ZDB-GENE-061111-1	sdc4
ENSDARG00000004658	130.6033002	-0.608271827	0.181708343	-3.347517335	0.000815389	0.019271041	zgc:101810	ZDB-GENE-041121-7	zgc:101810
ENSDARG00000038012	24.55188894	0.80923206	0.241746917	3.347434872	0.000815632	0.019271041	fam83fa	ZDB-GENE-090624-5	fam83fa
ENSDARG00000097571	65.8310033	1.521710559	0.45473191	3.346390536	0.00081871	0.019318324	si:dkey-114 24.2	ZDB-GENE-131121-512	si:dkey-114 24.2
ENSDARG00000040565	18352.84411	-0.587365847	0.175553759	-3.345789073	0.000820488	0.019334834	ckmb	ZDB-GENE-040426-2128	ckmb
ENSDARG00000099717	9.223042743	1.079999501	0.323067612	3.342951946	0.000828923	0.019507963	si:rp71-1h20.9	ZDB-GENE-131127-386	si:rp71-1h20.9
ENSDARG00000062467	38.76188981	-0.676024372	0.202345751	-3.340936827	0.000834962	0.019624347	stra6l	ZDB-GENE-070410-116	stra6l
ENSDARG00000063412	528.5841362	0.584932719	0.17518008	3.339036724	0.000840694	0.019733213	cers1	ZDB-GENE-050208-406	cers1
ENSDARG00000093957	13.40271049	1.202122708	0.360310766	3.336349678	0.000848863	0.019880559	si:dkey-251i10.2	ZDB-GENE-050506-102	si:dkey-251i10.2
ENSDARG00000061424	146.5185276	0.2966343	0.088912679	3.336242977	0.000849189	0.019880559	znf646	ZDB-GENE-160627-3	znf646
ENSDARG00000003961	104.7549529	0.543841564	0.163075423	3.334908184	0.000853276	0.019950186	parp3	ZDB-GENE-030131-7435	parp3
ENSDARG00000045415	60.88499741	0.651189693	0.195311637	3.334105958	0.000855741	0.019981764	gnal	ZDB-GENE-041114-26	gnal
ENSDARG00000000568	195.5971822	-0.399189905	0.119858847	-3.330500116	0.000866901	0.020216048	ell	ZDB-GENE-030131-3946	ell
ENSDARG00000016016	317.3360226	0.29268014	0.087928762	3.328605254	0.00087282	0.020310503	dbnlb	ZDB-GENE-050522-293	dbnlb
ENSDARG00000099499	825.1294757	-0.389423558	0.117004972	-3.328265038	0.000873887	0.020310503	ndufa4l	ZDB-GENE-040426-2756	ndufa4l
ENSDARG00000096242	119.2788914	-0.583882994	0.175439411	-3.328117614	0.000874349	0.020310503	si:ch211-76 23.4	ZDB-GENE-030131-8310	si:ch211-76 23.4
ENSDARG00000003952	3065.456785	0.270190083	0.081290557	3.323757302	0.000888135	0.020576978	pfn2	ZDB-GENE-040115-4	pfn2
ENSDARG00000018149	2242.934378	-0.535496833	0.161135201	-3.323276543	0.000889667	0.020576978	slc38a4	ZDB-GENE-041010-14	slc38a4
ENSDARG00000039393	618.860793	-0.870624474	0.261985769	-3.323174677	0.000889992	0.020576978	si:ch211-240 19.5	ZDB-GENE-041210-327	si:ch211-240 19.5
ENSDARG00000076239	93.4469963	0.548199235	0.164969028	3.323043371	0.000890411	0.020576978	si:ch211-74f19.2	ZDB-GENE-160114-78	si:ch211-74f19.2



ENSDARG0000087243	487.7680211	0.313445996	0.094341196	3.322472131	0.000892236	0.020581964	zgc:100918	ZDB-GENE-040927-2	zgc:100918
ENSDARG0000058571	15.06086728	0.901386393	0.271317422	3.322257692	0.000892922	0.020581964	pdp2	ZDB-GENE-000921-2	pdp2
ENSDARG0000099351	242.7981587	-1.278599034	0.385070518	-3.320428275	0.000898795	0.020690734	igfbp1a	ZDB-GENE-021231-1	igfbp1a
ENSDARG00000101675	29.86891742	0.753660151	0.227022986	3.319752607	0.000900973	0.020714282	zgc:123107	ZDB-GENE-051113-192	zgc:123107
ENSDARG00000026137	73.78030629	0.469874818	0.141628964	3.317646376	0.000907793	0.020844377	sfxn5b	ZDB-GENE-050706-107	sfxn5b
ENSDARG00000020054	120.587687	0.496112468	0.149612317	3.315986789	0.000913201	0.020935941	aox6	ZDB-GENE-050208-742	aox6
ENSDARG00000027600	133.7848664	-0.437170087	0.131861457	-3.31537431	0.000915205	0.020935941	pdlim5b	ZDB-GENE-040426-908	pdlim5b
ENSDARG00000030110	47.98595101	0.575001719	0.173436187	3.315350316	0.000915283	0.020935941	myod1	ZDB-GENE-980526-561	myod1
ENSDARG00000036628	344.1066414	0.503491646	0.151951927	3.31349299	0.000921384	0.021026793	cd74b	ZDB-GENE-990910-10	cd74b
ENSDARG00000036420	17.89978257	0.906517758	0.273589144	3.313427374	0.0009216	0.021026793	si:dkey-33c9.6	ZDB-GENE-130530-592	si:dkey-33c9.6
ENSDARG00000012426	112.1995771	-0.473347924	0.142884769	-3.312794821	0.000923687	0.021047626	neflb	ZDB-GENE-060312-44	neflb
ENSDARG00000067566	67.951501	0.739488729	0.223469612	3.309124326	0.000935883	0.021298457	sftppb	ZDB-GENE-060526-155	sftppb
ENSDARG00000090783	11.58483664	1.043068776	0.316200531	3.298757193	0.000971139	0.022072789	mfap4	ZDB-GENE-040426-2246	mfap4
ENSDARG00000055290	120.5036418	0.641705479	0.194589841	3.297733717	0.000974685	0.022125354	mpeg1.1	ZDB-GENE-030131-7347	mpeg1.1
ENSDARG00000101181	47.7050235	-0.629084217	0.190842118	-3.296359443	0.000979466	0.022205772	s100w	ZDB-GENE-080407-2	s100w
ENSDARG00000005799	113.8297985	-0.367865095	0.111695386	-3.293467236	0.000989599	0.022407165	smim14	ZDB-GENE-040426-22	smim14
ENSDARG00000056725	305.5644085	0.508690175	0.15460544	3.290247581	0.001000993	0.022636572	hmgb3a	ZDB-GENE-050428-1	hmgb3a
ENSDARG00000006120	107.7753953	0.42731373	0.129915936	3.289155611	0.001004884	0.022695962	tbx2b	ZDB-GENE-990726-27	tbx2b
ENSDARG00000028386	90.19842596	0.647997841	0.197045242	3.288573911	0.001006963	0.022714308	htatip2	ZDB-GENE-001219-1	htatip2
ENSDARG00000079972	18.69599841	0.999731769	0.304147823	3.286993012	0.001012633	0.022813512	nfatc2b	ZDB-GENE-120913-5	nfatc2b
ENSDARG00000031138	6.833853044	-1.27398156	0.387842852	-3.284788041	0.001020591	0.022963942	irx3b	ZDB-GENE-030131-525	irx3b
ENSDARG00000003375	62.13190236	0.464455463	0.141544928	3.281328888	0.001033192	0.023218334	gng12a	ZDB-GENE-040426-2555	gng12a
ENSDARG00000089602	28.44771863	0.82116925	0.250718005	3.275270359	0.001055609	0.023672891	si:dkey-217f16.1	ZDB-GENE-091116-95	si:dkey-217f16.1
ENSDARG00000094695	177.6418553	0.363665115	0.111037702	3.275149859	0.001056059	0.023672891	si:dkey-204f11.64	ZDB-GENE-030131-8332	si:dkey-204f11.64
ENSDARG00000091211	2687.150625	0.503618405	0.153819777	3.274080963	0.001060062	0.023732956	adh8a	ZDB-GENE-030529-3	adh8a
ENSDARG00000090834	18.90650628	-0.917761065	0.280868657	-3.267580926	0.001084709	0.024197173	epor	ZDB-GENE-071116-1	epor
ENSDARG00000056929	372.8878709	0.301835965	0.092374237	3.267534055	0.001084888	0.024197173	kdm6bb	ZDB-GENE-040724-166	kdm6bb
ENSDARG00000079647	973.791677	0.593485656	0.18163416	3.267478199	0.001085102	0.024197173	muc13b	ZDB-GENE-080220-61	muc13b
ENSDARG00000035471	46.71561867	-0.493009014	0.150896794	-3.267193425	0.001086194	0.024197173	si:dkey-220k22.1	ZDB-GENE-060526-255	si:dkey-220k22.1
ENSDARG00000088044	69.61253592	0.572891885	0.1753831	3.266517046	0.001088793	0.024224958	si:ch73-139j3.4	ZDB-GENE-140106-202	si:ch73-139j3.4
ENSDARG00000053232	120.1468647	0.425948732	0.130465245	3.264844457	0.001095242	0.024338259	itgb1b.1	ZDB-GENE-060803-3	itgb1b.1
ENSDARG00000023814	101.2731683	0.34785529	0.106557885	3.264472562	0.001096681	0.024340071	dyrk1ab	ZDB-GENE-030131-5677	dyrk1ab
ENSDARG00000035751	791.1918886	-0.364568741	0.111711204	-3.263493086	0.001100479	0.024394171	ipo7	ZDB-GENE-030131-458	ipo7
ENSDARG00000086746	319.7766715	-0.742248689	0.227533816	-3.262146709	0.001105719	0.024480073	prodha	ZDB-GENE-041008-73	prodha
ENSDARG00000016866	206.5357009	0.464890244	0.14263031	3.259407096	0.001116453	0.024687249	fam102ab	ZDB-GENE-060929-412	fam102ab
ENSDARG00000074644	5.208173802	-1.272109927	0.390530962	-3.257385585	0.001124436	0.024808106	spock1	ZDB-GENE-110428-1	spock1
ENSDARG0000007302	113.1051666	0.46650239	0.14321652	3.257322491	0.001124686	0.024808106	sh3gl3b	ZDB-GENE-040121-4	sh3gl3b
ENSDARG00000096738	6.256379796	-1.541402214	0.47331398	-3.256616704	0.001127486	0.024839314	si:zfos-911d5.4	ZDB-GENE-130603-14	si:zfos-911d5.4
ENSDARG00000104864	16.94593835	-0.686770055	0.210938334	-3.255785909	0.00113079	0.024881538	klhdc2	ZDB-GENE-070410-69	klhdc2
ENSDARG00000092976	427.3857406	0.729860102	0.224214184	3.255191484	0.001133159	0.024886264	si:ch211-127i16.2	ZDB-GENE-091204-54	si:ch211-127i16.2
ENSDARG00000013161	168.0699739	0.379477174	0.116581561	3.255035975	0.00113378	0.024886264	zgc:55558	ZDB-GENE-040426-740	zgc:55558
ENSDARG00000012432	63.96144938	0.450756236	0.138516023	3.254181181	0.001137197	0.024930756	fam76b	ZDB-GENE-030131-6955	fam76b
ENSDARG00000099609	21.25019865	0.742062035	0.228295213	3.250449392	0.001152228	0.025225042	tpbga	ZDB-GENE-030827-4	tpbga
ENSDARG00000030872	116.6550391	-0.979297682	0.301308288	-3.25015182	0.001153434	0.025225042	cetp	ZDB-GENE-041114-54	cetp
ENSDARG00000013771	88.07639247	0.709614639	0.218382262	3.24941519	0.001156426	0.025259658	ctss2.2	ZDB-GENE-050626-55	ctss2.2
ENSDARG00000028173	100.8387394	-0.58656066	0.18053596	-3.248996258	0.00115813	0.025266114	slc4a2a	ZDB-GENE-051101-2	slc4a2a
ENSDARG00000077967	64.64694411	-0.362798571	0.111705149	-3.24782316	0.001162915	0.02532784	si:ch211-140m22.7	ZDB-GENE-070912-73	si:ch211-140m22.7
ENSDARG00000071462	124.523745	0.586655933	0.180642324	3.247610636	0.001163784	0.02532784	lama3	ZDB-GENE-050208-475	lama3
ENSDARG00000055723	11.43412603	1.43464763	0.441871244	3.246754906	0.001167289	0.025359965	hsp70l	ZDB-GENE-050321-1	hsp70l

ENSDARG0000058332	153.1587992	0.628390419	0.193555773	3.246559933	0.001168089	0.025359965	krt18a.2	ZDB-GENE-090312-205	krt18a.2
ENSDARG0000045015	126.3802921	1.566073906	0.483147725	3.241397663	0.001189451	0.025756838	cyp27b1	ZDB-GENE-111005-2	cyp27b1
ENSDARG0000063895	10317.81768	-0.374443451	0.115523934	-3.241262993	0.001190013	0.025756838	mt-nd1	ZDB-GENE-011205-7	mt-nd1
ENSDARG0000093748	32.41472466	1.537494529	0.474373713	3.241103981	0.001190677	0.025756838	si:ch211-217k17.11	ZDB-GENE-030131-8636	si:ch211-217k17.11
ENSDARG00000996110	75.26534518	0.581769065	0.179520696	3.240679647	0.001192451	0.025764127	zgc:123278	ZDB-GENE-051127-21	zgc:123278
ENSDARG00000101030	15.8623646	1.021033073	0.315223291	3.239078775	0.001199164	0.025877998	si:ch73-158p21.3	ZDB-GENE-030131-4747	si:ch73-158p21.3
ENSDARG0000054191	1571.583033	-0.288492455	0.089094924	-3.238034696	0.001203562	0.025941673	pgk1	ZDB-GENE-040426-2711	pgk1
ENSDARG00000013044	187.838707	-0.366742498	0.113330707	-3.236038218	0.001212012	0.026085355	ndufv2	ZDB-GENE-040426-1713	ndufv2
ENSDARG0000055118	175.969061	-0.562673085	0.173891382	-3.23577327	0.001213137	0.026085355	mylipb	ZDB-GENE-061027-67	mylipb
ENSDARG0000042106	5.20957931	-1.213571591	0.375229256	-3.234213672	0.001219782	0.026196819	mxn2a	ZDB-GENE-040415-1	mxn2a
ENSDARG00000100465	415.6300438	0.55591894	0.171977338	3.232512759	0.001227067	0.026291146	clrn3	ZDB-GENE-170623-3	clrn3
ENSDARG0000002336	147.9573465	0.443986294	0.137350595	3.232503616	0.001227106	0.026291146	dlc	ZDB-GENE-000125-4	dlc
ENSDARG00000099974	2270.543087	-0.434733873	0.134549017	-3.231044593	0.001233387	0.026394187	ldb3b	ZDB-GENE-030131-6032	ldb3b
ENSDARG00000116617	140.6580518	-0.511547908	0.158349527	-3.230498491	0.001235746	0.026413141	spaca4l	ZDB-GENE-101011-2	spaca4l
ENSDARG0000087641	52.46204428	-0.515237698	0.15959833	-3.228340165	0.001245108	0.02653481	cdh26.2	ZDB-GENE-100922-183	cdh26.2
ENSDARG00000101613	47.30131021	-0.573172693	0.177544466	-3.228333187	0.001245139	0.02653481	si:dkey-238i5.2	ZDB-GENE-030131-9718	si:dkey-238i5.2
ENSDARG0000061432	8.614062286	1.113159556	0.344859563	3.22786338	0.001247185	0.02653481	zgc:194330	ZDB-GENE-080722-3	zgc:194330
ENSDARG00000099739	17.63108153	-0.626223846	0.194008047	-3.227824086	0.001247357	0.02653481	CABZ01072952.1		
ENSDARG00000030964	26.08226519	0.727849047	0.225682883	3.225096376	0.001259303	0.026757198	pde12	ZDB-GENE-060519-25	pde12
ENSDARG00000030608	58.66070875	0.457298082	0.141849126	3.223834328	0.001264866	0.026833911	rhogd	ZDB-GENE-040426-1504	rhogd
ENSDARG0000053447	97.03507812	0.463314793	0.143725943	3.223598897	0.001265906	0.026833911	ppp4r2b	ZDB-GENE-030131-3008	ppp4r2b
ENSDARG0000044797	10.66408443	1.569272126	0.48699592	3.222351691	0.00127143	0.026919184	cd8a	ZDB-GENE-060210-2	cd8a
ENSDARG0000063059	220.5366015	0.552776042	0.171746873	3.218550834	0.001288401	0.027226968	abcg8	ZDB-GENE-050517-41	abcg8
ENSDARG00000101388	7.965793013	1.050590275	0.326457315	3.218155106	0.00129018	0.027226968	si:ch211-171l17.14	ZDB-GENE-070912-153	si:ch211-171l17.14
ENSDARG0000044074	302.5958025	-0.299766717	0.093150819	-3.218079256	0.001290522	0.027226968	loxl2b	ZDB-GENE-050208-29	loxl2b
ENSDARG0000033182	83.66549514	-0.552060354	0.171612056	-3.216908922	0.001295797	0.027306149	arl4ab	ZDB-GENE-030219-167	arl4ab
ENSDARG00000996867	86.76972783	0.445742941	0.138580266	3.21649651	0.001297661	0.02731333	clmn	ZDB-GENE-131127-546	clmn
ENSDARG0000027612	26.0508942	0.611980419	0.190375365	3.214598796	0.00130627	0.027462288	gatad1	ZDB-GENE-050629-1	gatad1
ENSDARG00000039255	123.7881845	-0.374321978	0.116563895	-3.211302948	0.001321346	0.02774671	klhl21	ZDB-GENE-040426-2627	klhl21
ENSDARG00000030350	4.918087316	1.42027415	0.442370972	3.210595268	0.001324604	0.027782591	mxn2b	ZDB-GENE-040415-2	mxn2b
ENSDARG00000011609	136.4140357	-0.456667093	0.142287694	-3.209463017	0.001329832	0.02785966	FOXK2	ZDB-GENE-030131-5310	si:ch211-262e15.1
ENSDARG00000996722	45.85076249	0.549029261	0.171176235	3.207391844	0.001339444	0.028028299	si:dkey-16i5.8	ZDB-GENE-030131-1207	si:dkey-16i5.8
ENSDARG0000042033	9.775863727	0.936655369	0.292669364	3.200387481	0.001372429	0.028685055	mettl11b	ZDB-GENE-081104-175	mettl11b
ENSDARG00000076360	44.17016575	-0.520247749	0.162651614	-3.198540347	0.001381252	0.028835847	rpl37	ZDB-GENE-040625-39	rpl37
ENSDARG00000090638	10.34821118	-1.031181303	0.322604302	-3.196427626	0.001391407	0.029014078	gp9	ZDB-GENE-090313-5	gp9
ENSDARG00000010571	102.2789184	0.488615898	0.152911334	3.195419753	0.001396276	0.029081787	ezh2	ZDB-GENE-041111-259	ezh2
ENSDARG00000076830	215.6169605	-1.356738854	0.424656366	-3.19490996	0.001398745	0.029099407	si:dkey-65b12.6	ZDB-GENE-060526-329	si:dkey-65b12.6
ENSDARG00000098375	267.3144557	-0.369204685	0.115630462	-3.192970773	0.001408172	0.029259532	polr1a	ZDB-GENE-030131-5286	polr1a
ENSDARG00000029747	1166.127976	0.440526557	0.13798119	3.192656611	0.001409705	0.029259532	mep1a.1	ZDB-GENE-041001-209	mep1a.1
ENSDARG00000020364	2464.223774	-0.428340608	0.134230687	-3.191078122	0.001417429	0.029385853	fbp1b	ZDB-GENE-021206-11	fbp1b
ENSDARG00000004954	217.1004297	0.608605293	0.190796705	3.189810301	0.001423662	0.02944936	grna	ZDB-GENE-030131-8434	grna
ENSDARG0000055342	77.25562655	-0.653916002	0.205003033	-3.189786955	0.001423777	0.02944936	slc16a13	ZDB-GENE-120907-2	slc16a13
ENSDARG00000021195	150.6705259	-0.397670824	0.124697841	-3.189075451	0.001427286	0.029476255	st8sia6	ZDB-GENE-060322-9	st8sia6
ENSDARG0000099564	7.341359318	1.077182233	0.337795708	3.188857078	0.001428365	0.029476255	atoh1b	ZDB-GENE-041201-1	atoh1b
ENSDARG00000040277	14.51839707	-1.040906948	0.326624891	-3.186857388	0.001438277	0.029646686	fbxo32	ZDB-GENE-040426-1040	fbxo32
ENSDARG00000079703	92.76673721	0.738558546	0.231800268	3.18618504	0.001441624	0.029681557	si:dkey-18p12.4	ZDB-GENE-070912-408	si:dkey-18p12.4
ENSDARG0000060340	10.51320634	-0.937022658	0.294142881	-3.185603727	0.001444523	0.029707148	si:dkey-157l19.2	ZDB-GENE-090313-190	si:dkey-157l19.2
ENSDARG00000074161	287.3979261	0.222512337	0.069872974	3.184526497	0.00144991	0.029751795	tnrc6b	ZDB-GENE-030131-13	tnrc6b
ENSDARG00000005645	36.8130691	-0.618384992	0.194185522	-3.184506173	0.001450012	0.029751795	robo3	ZDB-GENE-000209-4	robo3

ENSDARG0000007774	57.22818059	0.509675262	0.160101349	3.183453885	0.001455293	0.029826021	vash2	ZDB-GENE-041014-355	vash2
ENSDARG00000090946	54.02791692	0.574728303	0.180695579	3.180643962	0.001469481	0.030082425	si:zfos-364h11.2	ZDB-GENE-120703-46	si:zfos-364h11.2
ENSDARG00000039931	279.5847421	-0.367054858	0.11543834	-3.17966161	0.001474471	0.030127998	slc25a33	ZDB-GENE-040426-2183	slc25a33
ENSDARG0000008948	77.72246385	1.985371515	0.624473804	3.179271094	0.001476459	0.030127998	pla2g3	ZDB-GENE-051113-96	pla2g3
ENSDARG00000009336	56.64834345	0.721898904	0.227068318	3.179214562	0.001476747	0.030127998	aif1l	ZDB-GENE-030131-9646	aif1l
ENSDARG00000069186	7.125194929	1.159996364	0.364992385	3.178138538	0.001482239	0.030205674	cyp27a1.2	ZDB-GENE-081104-511	cyp27a1.2
ENSDARG00000056089	103.3115195	0.318182027	0.100210111	3.175148932	0.001497596	0.030483986	nrbp1	ZDB-GENE-041001-146	nrbp1
ENSDARG000000102777	20.94237141	-0.929651111	0.292877185	-3.174201198	0.001502495	0.030537254	thbs4a	ZDB-GENE-080215-11	thbs4a
ENSDARG00000032919	211.5032937	-0.308906956	0.097324667	-3.173984195	0.001503619	0.030537254	chchd3a	ZDB-GENE-030131-5005	chchd3a
ENSDARG00000028259	99.59357576	0.381043757	0.120086115	3.173087551	0.00150827	0.030597072	aldh3a2a	ZDB-GENE-040718-74	aldh3a2a
ENSDARG00000079571	30.68931364	0.542236889	0.170934229	3.172196063	0.001512908	0.030656648	mfsd4b	ZDB-GENE-070410-26	mfsd4b
ENSDARG00000012458	276.323758	-0.280898554	0.088593101	-3.170659483	0.001520933	0.030784306	zgc:77849	ZDB-GENE-030131-1107	zgc:77849
ENSDARG00000013946	92.34589176	-0.502235209	0.158484107	-3.16899415	0.001529675	0.030895157	ivns1abpb	ZDB-GENE-030131-6266	ivns1abpb
ENSDARG00000015576	10.39051033	0.958640885	0.30250964	3.168959795	0.001529856	0.030895157	itrip	ZDB-GENE-050417-422	itrip
ENSDARG00000061472	185.8334484	0.437332257	0.138089205	3.167027125	0.00154006	0.03106624	gba2	ZDB-GENE-070522-3	gba2
ENSDARG00000013623	3238.876094	-0.296390594	0.093704615	-3.163030908	0.001561358	0.031460477	vdac2	ZDB-GENE-030131-845	vdac2
ENSDARG00000006760	35.83187636	-0.695554363	0.219948312	-3.162353717	0.001564993	0.031498347	slc24a3	ZDB-GENE-090312-67	slc24a3
ENSDARG00000097863	38.85495584	0.450601588	0.142539282	3.161244968	0.001570963	0.031583053	si:dkeyp-84f3.9	ZDB-GENE-131127-66	si:dkeyp-84f3.9
ENSDARG00000074526	38.01897527	-1.312001642	0.415105075	-3.160649485	0.001574178	0.031612246	zbtb16b	ZDB-GENE-100923-1	zbtb16b
ENSDARG00000040890	333.4751576	1.116735606	0.353368555	3.160257443	0.001576298	0.031619408	fdps	ZDB-GENE-050506-78	fdps
ENSDARG00000014348	128.8468632	0.334610428	0.105994128	3.156877029	0.001594686	0.031952515	stk17b	ZDB-GENE-040426-1499	stk17b
ENSDARG00000017115	96.68956891	0.323699211	0.102581322	3.155537513	0.001602027	0.032050811	kctd10	ZDB-GENE-040426-2843	kctd10
ENSDARG00000069734	26.05122144	-2.682993805	0.850310446	-3.155310884	0.001603272	0.032050811	hbba2	ZDB-GENE-040801-164	hbba2
ENSDARG00000092667	12.87327098	1.108926825	0.351481792	3.155005037	0.001604953	0.032050811	si:ch211-271e10.2	ZDB-GENE-060526-146	si:ch211-271e10.2
ENSDARG00000034307	175.5530068	-0.440566216	0.139672061	-3.154290209	0.00160889	0.032093688	chrne	ZDB-GENE-040808-32	chrne
ENSDARG00000075053	71.77404883	1.064190969	0.337541393	3.152771749	0.001617282	0.032225244	SCCPDH (1 of many)	ZDB-GENE-080212-12	zgc:174379
ENSDARG00000105276	32.69249809	0.642427985	0.203801347	3.152226398	0.001620306	0.032249662	grb2a	ZDB-GENE-041121-1	grb2a
ENSDARG00000101334	505.7748168	0.328698503	0.104286503	3.151879602	0.001622231	0.032252192	ctsc	ZDB-GENE-030619-9	ctsc
ENSDARG00000038682	43.44583329	1.987098436	0.630651894	3.150864135	0.001627882	0.032293395	zgc:171687	ZDB-GENE-071004-9	zgc:171687
ENSDARG00000007842	6.079039296	2.160382621	0.685648578	3.150859914	0.001627905	0.032293395	MCHR2 (1 of many)	ZDB-GENE-100922-121	si:dkey-165n16.5
ENSDARG00000098112	25.39579247	0.576071081	0.182888252	3.149852847	0.001633527	0.032369108	btc	ZDB-GENE-050311-1	btc
ENSDARG00000060729	164.3427003	0.343697389	0.109128527	3.149473358	0.001633565	0.032375403	trim8b	ZDB-GENE-030131-4325	trim8b
ENSDARG00000088087	692.080737	-0.369564825	0.117453221	-3.14648523	0.001652456	0.0326543	kdm6ba	ZDB-GENE-091005-1	kdm6ba
ENSDARG00000077722	211.8810049	-0.4717306	0.149930838	-3.146321364	0.001653382	0.0326543	ppp2r3a	ZDB-GENE-070912-646	ppp2r3a
ENSDARG00000104314	23.11348495	-0.609641719	0.193800753	-3.145713883	0.00165682	0.032686197	nrg1	ZDB-GENE-050302-113	nrg1
ENSDARG00000104235	67.11315261	0.420756185	0.133796434	3.144748877	0.001662295	0.032758162	myo5c	ZDB-GENE-131127-196	myo5c
ENSDARG00000116259	199.7669157	0.949929901	0.302334765	3.141980383	0.001678093	0.033023365	chia.6	ZDB-GENE-030131-1140	chia.6
ENSDARG00000061885	158.5703192	0.453146535	0.144233969	3.141746269	0.001679435	0.033023365	satb2	ZDB-GENE-070912-212	satb2
ENSDARG00000056414	100.886566	0.384106134	0.122304373	3.140575642	0.001686162	0.033119316	usp1	ZDB-GENE-030131-726	usp1
ENSDARG00000010610	21.54003487	-0.778727651	0.24819178	-3.137604524	0.001703345	0.033420231	sarm1	ZDB-GENE-040219-1	sarm1
ENSDARG00000104823	134.7464006	-0.542512812	0.172968287	-3.136487174	0.001709849	0.033511175	znf648	ZDB-GENE-120215-149	znf648
ENSDARG00000042684	1398.716342	-0.39335032	0.125453418	-3.135429282	0.001716028	0.033595556	serpinc1	ZDB-GENE-030131-264	serpinc1
ENSDARG00000033544	29.77001568	-0.680378393	0.217068631	-3.134392976	0.001722101	0.033677677	adamts15b	ZDB-GENE-070814-5	adamts15b
ENSDARG00000007494	57.28105875	0.486155089	0.155161165	3.133226606	0.001728959	0.03377497	st3gal8	ZDB-GENE-050417-286	st3gal8
ENSDARG00000054288	69.45280502	-0.58389491	0.186577181	-3.129508698	0.001750989	0.034161518	zgc:63972	ZDB-GENE-040426-1320	zgc:63972
ENSDARG00000044811	93.10199102	0.34455068	0.110106622	3.129245767	0.001752557	0.034161518	cdk9	ZDB-GENE-030131-321	cdk9
ENSDARG00000116833	41.11459397	0.630250047	0.201507881	3.127669476	0.001761982	0.034307952	CABZ01077220.2		
ENSDARG00000038235	4.833055543	-1.074340398	0.343812306	-3.124787501	0.001779335	0.03457107	pkdccb	ZDB-GENE-130530-599	pkdccb
ENSDARG00000042123	16.27685657	-0.752154907	0.240722595	-3.124571277	0.001780644	0.03457107	nudt3b	ZDB-GENE-041010-128	nudt3b

ENSDARG00000104372	433.4671264	0.221343814	0.070842117	3.124466411	0.001781279	0.03457107	gnb1b	ZDB-GENE-040426-2855	gnb1b
ENSDARG00000088524	4.051002146	-2.631024905	0.842427569	-3.123146729	0.001789285	0.034688921	acot17	ZDB-GENE-040426-2381	acot17
ENSDARG00000045708	39.20718367	1.190317453	0.38124983	3.122145529	0.001795382	0.034769524	adm2a	ZDB-GENE-041210-100	adm2a
ENSDARG00000036864	104.8994154	0.811442149	0.259959091	3.121422469	0.001799796	0.034800336	slc34a2b	ZDB-GENE-030709-1	slc34a2b
ENSDARG00000020326	125.1026435	0.375255087	0.120230144	3.121139781	0.001801525	0.034800336	tyk2	ZDB-GENE-071116-4	tyk2
ENSDARG00000055635	263.4280893	0.282798502	0.090613467	3.120932353	0.001802794	0.034800336	crk	ZDB-GENE-040801-148	crk
ENSDARG0000007081	87.88581912	0.347832489	0.111490084	3.119851338	0.001809423	0.034890741	pias4a	ZDB-GENE-040426-2734	pias4a
ENSDARG00000058679	32.46312194	0.560380513	0.179695802	3.118495287	0.00181777	0.035014048	zgc:114104	ZDB-GENE-050913-63	zgc:114104
ENSDARG00000093186	65.10273779	1.099032498	0.352542738	3.117444718	0.001824262	0.035101376	si:dkey-30j10.5	ZDB-GENE-091118-81	si:dkey-30j10.5
ENSDARG00000104869	8.114388529	-0.934800129	0.300201832	-3.113905477	0.001846286	0.035470909	CABZ01085878.1		
ENSDARG00000070428	14.63317285	-0.850622388	0.273184908	-3.113723936	0.001847423	0.035470909	si:dkey-222b8.1	ZDB-GENE-060503-248	si:dkey-222b8.1
ENSDARG00000073688	193.0062561	0.334452341	0.107442648	3.112845303	0.001852931	0.035520709	nav2a	ZDB-GENE-120502-3	nav2a
ENSDARG00000090851	18.44130604	0.854538249	0.274534685	3.112678635	0.001853978	0.035520709	ciita	ZDB-GENE-071116-6	ciita
ENSDARG00000059805	23.99176006	-1.044642512	0.335675881	-3.112057107	0.001857886	0.03555759	slc25a38a	ZDB-GENE-060929-320	slc25a38a
ENSDARG00000043587	150.590179	-0.396249435	0.127350087	-3.111497176	0.001861413	0.035587112	srd5a2a	ZDB-GENE-050417-199	srd5a2a
ENSDARG00000055093	26.53489775	-0.733093379	0.235688691	-3.110430869	0.001868146	0.035654342	cdh27	ZDB-GENE-141215-13	cdh27
ENSDARG00000074635	514.4011324	-0.58897068	0.189360712	-3.110310859	0.001868905	0.035654342	abca1a	ZDB-GENE-031006-12	abca1a
ENSDARG00000104094	71.37799512	0.373359349	0.120095496	3.108853895	0.001878146	0.035781352	grk3	ZDB-GENE-030616-382	grk3
ENSDARG00000090903	94.82860882	-0.679431531	0.218562836	-3.108632486	0.001879554	0.035781352	creb3l3b	ZDB-GENE-131023-1	creb3l3b
ENSDARG00000067848	533.7652226	-0.411420277	0.132383558	-3.107789848	0.00188492	0.035845471	nmrk2	ZDB-GENE-040912-44	nmrk2
ENSDARG00000089903	4.798437223	-1.823228799	0.58674337	-3.10737009	0.001887599	0.035858388	CABZ01039863.1		
ENSDARG00000039677	365.3452885	-0.441046197	0.141959894	-3.106836616	0.001891009	0.035885144	dsc2l	ZDB-GENE-031116-55	dsc2l
ENSDARG00000073704	44.01292965	-0.803863623	0.258777824	-3.106385279	0.001893898	0.035901976	si:dkeyp-72g9.4	ZDB-GENE-031204-23	si:dkeyp-72g9.4
ENSDARG00000076128	281.105146	0.209954631	0.067709311	3.100823626	0.001929832	0.036517111	prkar1aa	ZDB-GENE-050116-2	prkar1aa
ENSDARG00000038643	450.1649694	-0.68319757	0.220350157	-3.100508661	0.001931886	0.036517111	alas2	ZDB-GENE-001229-1	alas2
ENSDARG00000015653	405.6415768	0.387513808	0.124992045	3.100307756	0.001933197	0.036517111	tnip1	ZDB-GENE-070112-1502	tnip1
ENSDARG00000055592	156.1082086	-0.441882747	0.142537797	-3.100109278	0.001934493	0.036517111	capn2b	ZDB-GENE-050522-84	capn2b
ENSDARG00000099776	551.4279428	-0.662601806	0.213851833	-3.098415374	0.001945585	0.036687887	glula	ZDB-GENE-030131-688	glula
ENSDARG00000091061	387.079194	-0.46686397	0.150806571	-3.095780018	0.001962959	0.036976628	slc38a3b	ZDB-GENE-121120-3	slc38a3b
ENSDARG00000030237	272.7232377	0.29182036	0.094282104	3.09518295	0.001966915	0.037002602	pgrrmc2	ZDB-GENE-040426-2102	pgrrmc2
ENSDARG00000095640	4.504977091	1.900460419	0.614052184	3.094949366	0.001968465	0.037002602	si:ch1073-15f19.2	ZDB-GENE-091204-84	si:ch1073-15f19.2
ENSDARG00000101251	1274.265908	-0.409010913	0.132169218	-3.094600384	0.001970782	0.037007371	ldha	ZDB-GENE-991026-5	ldha
ENSDARG00000058964	7.979648825	1.023517088	0.330777507	3.094276561	0.001972935	0.037009038	themis2	ZDB-GENE-110411-89	themis2
ENSDARG00000115610	369.8647104	0.608096892	0.196550307	3.093848605	0.001975783	0.037023734	ccl25a	ZDB-GENE-110222-1	ccl25a
ENSDARG00000042557	18.92241915	-0.738619118	0.23887005	-3.092137835	0.001987206	0.037198911	rnf144ab	ZDB-GENE-040718-486	rnf144ab
ENSDARG00000075517	16.24103125	-0.988397698	0.319862982	-3.090065918	0.002001121	0.037390709	si:ch211-120k19.1	ZDB-GENE-100922-282	si:ch211-120k19.1
ENSDARG00000056559	158.2622662	0.546872031	0.176981722	3.089991587	0.002001622	0.037390709	ccz1	ZDB-GENE-040426-698	ccz1
ENSDARG00000038703	238.1355849	0.583497586	0.188904592	3.088848076	0.002009342	0.037495862	hkdc1	ZDB-GENE-030131-9801	hkdc1
ENSDARG00000023532	174.5872744	-0.457858324	0.148385715	-3.085595705	0.002031448	0.037868985	pinx1	ZDB-GENE-030515-2	pinx1
ENSDARG00000041078	286.4876912	0.416351326	0.134953721	3.085141514	0.002034553	0.03788748	chka	ZDB-GENE-050208-149	chka
ENSDARG00000101055	10.18017549	1.228388652	0.398283505	3.084206697	0.002040957	0.037967313	trim35-25	ZDB-GENE-060503-484	trim35-25
ENSDARG00000078473	226.5966663	0.436970637	0.141705822	3.083646336	0.002044805	0.037999473	nucks1a	ZDB-GENE-040912-175	nucks1a
ENSDARG00000016886	37.44984953	0.963277388	0.312505001	3.082438314	0.002053123	0.038114545	dnajb9b	ZDB-GENE-050522-76	dnajb9b
ENSDARG00000078419	74.29537924	0.569167875	0.184685202	3.081827171	0.002057343	0.038153385	filip1a	ZDB-GENE-030131-4110	filip1a
ENSDARG00000052072	9.509880218	0.942713133	0.305948023	3.081285257	0.002061091	0.038183412	dnajb9a	ZDB-GENE-050626-115	dnajb9a
ENSDARG00000096533	580.6609941	0.436751974	0.141766236	3.080789792	0.002064523	0.038207532	rltgr	ZDB-GENE-100727-4	rltgr
ENSDARG00000059391	233.7916108	-0.43850806	0.142421171	-3.07895277	0.002077296	0.03840428	gyg1b	ZDB-GENE-040625-30	gyg1b
ENSDARG00000079308	67.30386855	-0.812247128	0.263881695	-3.078073031	0.002083438	0.038478169	tor3a	ZDB-GENE-081104-165	tor3a
ENSDARG00000055647	203.4677466	0.391256114	0.127130387	3.077597127	0.002086768	0.038500015	ftr82	ZDB-GENE-030219-207	ftr82

ENSDARG00000040705	133.8690063	-0.376109863	0.122223374	-3.077233519	0.002089316	0.038507395	glsb	ZDB-GENE-030616-550	glsb
ENSDARG00000102610	14.59484462	-0.751229453	0.244265048	-3.075468471	0.002101721	0.038694553	r3hdm2	ZDB-GENE-180313-1	r3hdm2
ENSDARG00000019856	96.94432634	-0.616525589	0.200503765	-3.074882852	0.002105853	0.038694553	atp1a1b	ZDB-GENE-001212-5	atp1a1b
ENSDARG00000078725	53.61139383	0.495665808	0.161198949	3.074869974	0.002105943	0.038694553	nos1apa	ZDB-GENE-081024-1	nos1apa
ENSDARG00000098312	494.8305341	0.421788269	0.137242524	3.073305967	0.002117013	0.038858133	scarb2a	ZDB-GENE-020419-29	scarb2a
ENSDARG00000067593	37.4631197	-0.443757896	0.144427068	-3.072539669	0.002122456	0.038900939	sco1	ZDB-GENE-140909-1	sco1
ENSDARG00000100504	113.1515944	0.819450971	0.266716489	3.072367115	0.002123684	0.038900939	ppp1r27b	ZDB-GENE-051023-5	ppp1r27b
ENSDARG00000095410	26.57832988	0.925685775	0.301369367	3.071598759	0.002129157	0.038961404	si:ch211-285c6.4	ZDB-GENE-041001-97	si:ch211-285c6.4
ENSDARG00000079575	23.02625265	-0.652859645	0.21261534	-3.070614028	0.002136191	0.039050268	aff3	ZDB-GENE-030219-193	aff3
ENSDARG00000042825	67.22816531	-0.414715263	0.135104726	-3.069583686	0.002143573	0.039145318	rnf169	ZDB-GENE-030131-4336	rnf169
ENSDARG00000031588	291.2902907	-1.037663304	0.338145474	-3.068689022	0.002150003	0.039222785	si:dkey-239b22.1	ZDB-GENE-131119-12	si:dkey-239b22.1
ENSDARG00000077874	16.39344225	0.943850861	0.307609855	3.068337527	0.002152533	0.039229047	vwa10.1	ZDB-GENE-090313-291	vwa10.1
ENSDARG00000088560	83.49168738	0.41424678	0.13505535	3.067237097	0.002160474	0.039312585	tmem104	ZDB-GENE-070822-4	tmem104
ENSDARG00000027316	209.7116264	-0.445731139	0.145326813	-3.067094977	0.002161502	0.039312585	tcp11i2	ZDB-GENE-040426-1956	tcp11i2
ENSDARG00000029018	224.3746486	0.379348271	0.123695612	3.066788418	0.00216372	0.039313052	cdkn1ba	ZDB-GENE-040812-3	cdkn1ba
ENSDARG00000073732	101.5255356	-0.481394719	0.157032817	-3.065567626	0.002172572	0.039433948	myh14	ZDB-GENE-100921-1	myh14
ENSDARG00000079525	66.89082797	0.626579455	0.204418575	3.06517867	0.0021754	0.039445347	slc39a5	ZDB-GENE-060608-1	slc39a5
ENSDARG00000019208	9.701048629	-1.196066741	0.390571921	-3.062346972	0.002196087	0.039754373	camsap1a	ZDB-GENE-060518-4	camsap1a
ENSDARG00000039899	60.89426513	0.478283533	0.156187503	3.062239451	0.002196876	0.039754373	zbtb7a	ZDB-GENE-050208-583	zbtb7a
ENSDARG00000101322	216.8546425	-0.624219591	0.204011599	-3.059725981	0.002215396	0.04000783	tfr1a	ZDB-GENE-041220-1	tfr1a
ENSDARG00000037962	160.9570158	-0.451865459	0.147691319	-3.059526184	0.002216874	0.04000783	psmb7	ZDB-GENE-001208-4	psmb7
ENSDARG00000056541	58.44362496	-1.061058567	0.34682908	-3.059312576	0.002218456	0.04000783	nr0b1	ZDB-GENE-070130-1	nr0b1
ENSDARG00000079133	14.73355388	0.683106569	0.223300914	3.059130201	0.002219807	0.04000783	si:dkey-10c21.1	ZDB-GENE-081104-302	si:dkey-10c21.1
ENSDARG00000076547	95.90303187	-0.427737989	0.139839797	-3.058771518	0.002222466	0.040015541	si:ch211-221f10.2	ZDB-GENE-140106-124	si:ch211-221f10.2
ENSDARG00000078285	20.99175063	0.701882245	0.22952065	3.058035283	0.002227933	0.04004997	pik3ap1	ZDB-GENE-090313-250	pik3ap1
ENSDARG00000018425	351.9623067	0.285541504	0.093378675	3.057887715	0.002229031	0.04004997	ddx61	ZDB-GENE-030131-6611	ddx61
ENSDARG00000042826	19.59027272	-0.789321665	0.25816058	-3.057483311	0.002232041	0.04004997	egr2b	ZDB-GENE-980526-283	egr2b
ENSDARG00000045561	26.41922944	0.970408886	0.317412608	3.057247451	0.002233798	0.04004997	dram1	ZDB-GENE-041010-147	dram1
ENSDARG00000093931	30.02150898	0.511087721	0.167192922	3.056874146	0.002236582	0.04004997	rflnb	ZDB-GENE-090409-1	rflnb
ENSDARG00000055969	33.12473638	-0.571465399	0.186964687	-3.056541893	0.002239062	0.04004997	rfc3	ZDB-GENE-020809-3	rfc3
ENSDARG00000075812	3.982193832	-1.28383206	0.420045097	-3.05641482	0.002240011	0.04004997	kcnt2	ZDB-GENE-130530-783	kcnt2
ENSDARG00000102138	33.86003672	0.625428429	0.204681113	3.055623553	0.00224593	0.04007681	foxa1	ZDB-GENE-990415-78	foxa1
ENSDARG00000014230	852.7248778	-0.267710553	0.08761261	-3.055616684	0.002245982	0.04007681	dlst	ZDB-GENE-030326-1	dlst
ENSDARG00000114661	14.61351339	1.024117917	0.335198305	3.055259829	0.002248656	0.040084644	BX321875.4		
ENSDARG00000061994	748.3631622	-0.422102785	0.138306884	-3.051928965	0.002273759	0.040464866	acacb	ZDB-GENE-060526-132	acacb
ENSDARG00000074201	1326.994354	-0.30439973	0.099743301	-3.051831329	0.002274499	0.040464866	flna	ZDB-GENE-030131-2145	flna
ENSDARG00000055080	93.28804481	0.405167873	0.132803268	3.050887826	0.002281658	0.040496887	rhm4.2	ZDB-GENE-030131-3019	rhm4.2
ENSDARG00000035398	126.46846	-0.385779788	0.126452542	-3.050787132	0.002282423	0.040496887	enc1	ZDB-GENE-060531-140	enc1
ENSDARG00000076484	199.8528291	-0.34046419	0.11160193	-3.050701632	0.002283073	0.040496887	stab1		
ENSDARG00000039436	32.94552218	-0.540988023	0.17744165	-3.048822091	0.002297405	0.040707892	il13ra2	ZDB-GENE-030521-10	il13ra2
ENSDARG00000009214	135.6056974	0.301389683	0.098863386	3.048547051	0.002299509	0.040707892	mfsd13a	ZDB-GENE-041212-83	mfsd13a
ENSDARG00000029766	62.52694677	-0.474250754	0.155641435	-3.047072601	0.002310819	0.040867766	nr1i2	ZDB-GENE-030903-3	nr1i2
ENSDARG00000012553	112.5637559	0.313360126	0.102862424	3.046400354	0.002315992	0.040918906	rap1aa	ZDB-GENE-040625-167	rap1aa
ENSDARG00000089477	101.6540058	0.348347735	0.114375815	3.045641568	0.002321844	0.040981926	si:ch211-132g1.3	ZDB-GENE-090312-148	si:ch211-132g1.3
ENSDARG00000032263	6.01562213	-1.082038683	0.355556523	-3.043225517	0.002340569	0.041255142	zgc:110224	ZDB-GENE-050417-120	zgc:110224
ENSDARG00000058647	124.0265445	0.575933844	0.189261962	3.043051222	0.002341925	0.041255142	hck	ZDB-GENE-090313-72	hck
ENSDARG00000023053	48.14774702	0.464791015	0.152831337	3.041202315	0.002356354	0.0414686	fam129ab	ZDB-GENE-070912-688	fam129ab
ENSDARG00000042853	277.2539112	-0.277835013	0.09138513	-3.040264997	0.002363701	0.041557103	ivd	ZDB-GENE-030616-262	ivd
ENSDARG00000037266	60.49443615	-0.449212894	0.147992671	-3.035372571	0.002402387	0.042195895	myoz2b	ZDB-GENE-040426-1853	myoz2b

ENSDARG0000087099	13.23478689	1.375726692	0.453313586	3.034823426	0.002406765	0.042231434	si:ch73-106k19.5	ZDB-GENE-030131-1230	si:ch73-106k19.5
ENSDARG0000098746	132.7075347	0.706281353	0.232881546	3.032792271	0.002423023	0.042475149	dhrs131l	ZDB-GENE-040426-1907	dhrs131l
ENSDARG0000088630	30.94153485	-0.548352354	0.180838548	-3.032275811	0.002427173	0.042506344	arhgef10la	ZDB-GENE-120814-1	arhgef10la
ENSDARG0000057334	117.1661819	0.33998192	0.112185208	3.03054143	0.002441157	0.042631425	cmasa	ZDB-GENE-050420-277	cmasa
ENSDARG0000097795	23.84120328	0.553849458	0.182757061	3.030522892	0.002441307	0.042631425	zgc:162952	ZDB-GENE-070424-98	zgc:162952
ENSDARG0000056515	39.80929773	-0.798921316	0.263626418	-3.030505519	0.002441447	0.042631425	spsb1	ZDB-GENE-030131-6122	spsb1
ENSDARG0000070339	62.98712756	0.422702124	0.139529143	3.029489869	0.002449671	0.042733418	hoxc3a	ZDB-GENE-980526-532	hoxc3a
ENSDARG0000037281	2314.720267	-0.414265512	0.136916794	-3.025673466	0.002480801	0.043234399	fgg	ZDB-GENE-040426-1998	fgg
ENSDARG0000075504	79.23456364	0.631641593	0.208818628	3.024833551	0.0024877	0.043312547	si:dkey-40c23.2	ZDB-GENE-030131-5958	si:dkey-40c23.2
ENSDARG0000029688	4.420534574	1.733637216	0.573585924	3.022454252	0.00250734	0.043612148	hsp70.1	ZDB-GENE-990415-91	hsp70.1
ENSDARG0000028583	9.752758664	1.214858981	0.40204559	3.021694582	0.00251364	0.04364541	si:ch211-234h8.7	ZDB-GENE-061009-16	si:ch211-234h8.7
ENSDARG0000035519	319.6866238	0.764164253	0.25289745	3.021636846	0.00251412	0.04364541	hsth1l	ZDB-GENE-050417-145	hsth1l
ENSDARG0000003046	23.42039736	-0.674849642	0.22340714	-3.020716537	0.002521773	0.043735937	sorbs2a	ZDB-GENE-070308-2	sorbs2a
ENSDARG0000010364	1085.705287	-0.232186436	0.076881628	-3.020050972	0.002527321	0.043766207	cs	ZDB-GENE-030131-1058	cs
ENSDARG0000035809	28088.42967	-0.438454346	0.145187318	-3.019921796	0.0025284	0.043766207	col1a1b	ZDB-GENE-030131-4400	col1a1b
ENSDARG0000015887	2870.092485	0.356682992	0.118145993	3.019002026	0.002536088	0.043856965	b2ml	ZDB-GENE-040426-2136	b2ml
ENSDARG0000094557	276.0557852	-0.934440546	0.309558277	-3.018625624	0.002539241	0.04386918	nupr1b	ZDB-GENE-030131-4653	nupr1b
ENSDARG0000021346	390.9313259	-0.334382772	0.110802027	-3.017839845	0.002545834	0.043940753	pdhb	ZDB-GENE-040426-2173	pdhb
ENSDARG00000101170	9.604498278	-0.907565422	0.300888805	-3.016281785	0.002558953	0.044124721	rab42b	ZDB-GENE-050417-172	rab42b
ENSDARG0000035565	80.03393926	0.483592277	0.160367562	3.015524271	0.002565354	0.044192598	atp6v0a2b	ZDB-GENE-060526-4	atp6v0a2b
ENSDARG0000012593	4261.033806	-0.410845326	0.13629571	-3.014367256	0.002575159	0.044318927	col5a1	ZDB-GENE-041105-6	col5a1
ENSDARG0000069339	95.97808603	0.399527698	0.132596022	3.013119787	0.002585768	0.044458852	tbcd24	ZDB-GENE-050809-65	tbcd24
ENSDARG0000042623	99.2608613	0.350998908	0.11652497	3.012220544	0.002593441	0.044548063	acbd3	ZDB-GENE-040426-1930	acbd3
ENSDARG0000001656	66.7193798	0.762546989	0.253213575	3.011477525	0.002599796	0.044614498	psmb13a	ZDB-GENE-001208-2	psmb13a
ENSDARG0000019897	30.76407585	-0.459261767	0.152534055	-3.010880211	0.002604916	0.044659615	gpat4	ZDB-GENE-060421-5102	gpat4
ENSDARG0000078500	76.050825	-0.37738457	0.125367633	-3.010223288	0.002610557	0.044677431	dap3	ZDB-GENE-051129-2	dap3
ENSDARG0000078186	364.1786087	0.393867686	0.130854492	3.009966872	0.002612762	0.044677431	tex2	ZDB-GENE-070615-7	tex2
ENSDARG0000045842	56.36229702	0.62950883	0.20918523	3.009336901	0.002618186	0.044677431	zgc:113263	ZDB-GENE-050306-34	zgc:113263
ENSDARG0000074322	82.84246512	1.259953634	0.418690076	3.009275128	0.002618719	0.044677431	si:ch211-194m7.3	ZDB-GENE-131121-19	si:ch211-194m7.3
ENSDARG0000055548	58.76550644	-0.461988975	0.153522636	-3.009256405	0.00261888	0.044677431	npat	ZDB-GENE-050506-54	npat
ENSDARG0000006125	342.4903822	-0.228050139	0.075788796	-3.009021786	0.002620903	0.044677431	csnk1db	ZDB-GENE-040426-2385	csnk1db
ENSDARG0000005154	49.62788865	0.527307731	0.175271673	3.00851656	0.002625265	0.044677786	aspa	ZDB-GENE-080204-11	aspa
ENSDARG00000104256	596.5516143	0.689296192	0.229136964	3.008227833	0.002627761	0.044677786	bco1	ZDB-GENE-010508-1	bco1
ENSDARG0000042533	218.9296238	0.390552305	0.129834579	3.008076188	0.002629072	0.044677786	gstm.1	ZDB-GENE-030911-2	gstm.1
ENSDARG0000039900	32.29668449	0.604445052	0.200954768	3.007866186	0.00263089	0.044677786	si:ch73-168d20.1	ZDB-GENE-121214-44	si:ch73-168d20.1
ENSDARG0000056268	19.25780201	-0.686828212	0.228412385	-3.006965718	0.002638695	0.044767948	atxn7l2b	ZDB-GENE-040718-403	atxn7l2b
ENSDARG0000037917	88.20557773	0.44856875	0.14919869	3.006519355	0.002642572	0.044791351	itga3a	ZDB-GENE-090805-3	itga3a
ENSDARG0000037708	108.4446172	-0.335012206	0.111447126	-3.006019246	0.002646922	0.044801977	exosc10	ZDB-GENE-040426-781	exosc10
ENSDARG0000058219	12.47693439	-1.016420598	0.338144892	-3.005872993	0.002648196	0.044801977	tubd1	ZDB-GENE-040625-73	tubd1
ENSDARG0000099673	15.24107037	-1.077626184	0.358668512	-3.004518512	0.002660016	0.04495953	si:dkey-203a12.5	ZDB-GENE-141216-151	si:dkey-203a12.5
ENSDARG0000055344	60.02969261	-0.375190909	0.124899466	-3.003943267	0.00266505	0.045002208	mipep	ZDB-GENE-060503-662	mipep
ENSDARG0000051711	13.36204825	0.91442139	0.304477777	3.003245091	0.002671172	0.045060152	CR339041.2		
ENSDARG0000016864	146.1749741	-0.305391464	0.101705412	-3.002706126	0.002675907	0.045060152	farsb	ZDB-GENE-021206-2	farsb
ENSDARG0000012788	96.59857394	0.442233647	0.147278994	3.002693292	0.00267602	0.045060152	foxa3	ZDB-GENE-980526-423	foxa3
ENSDARG0000077559	9.626671385	1.142121626	0.380694774	3.00009799	0.002698928	0.045400916	LO017815.1		
ENSDARG0000011581	406.6303085	0.682371672	0.22747026	2.999828076	0.00270132	0.045400916	si:dkey-23k10.5	ZDB-GENE-030131-4787	si:dkey-23k10.5
ENSDARG00000113547	114.9419902	0.642741354	0.214307937	2.999148626	0.002707352	0.045459685	LO018202.1		
ENSDARG0000031757	98.54654422	0.485025978	0.161970169	2.994538933	0.0027486	0.04610348	tmc4	ZDB-GENE-030131-7489	tmc4
ENSDARG0000053291	1170.507551	0.301437372	0.100670702	2.994290939	0.002750835	0.04610348	pnrc2	ZDB-GENE-030131-5475	pnrc2

ENSDARG0000002487	80.22689838	-0.385695635	0.128834539	-2.993728537	0.00275591	0.046108966	noc3l	ZDB-GENE-030131-9878	noc3l
ENSDARG00000035257	52.13953305	-0.577519153	0.192912473	-2.993684875	0.002756305	0.046108966	akr1a1a	ZDB-GENE-040808-44	akr1a1a
ENSDARG00000056615	68.87484647	0.945297629	0.316181929	2.989726932	0.002792269	0.046667072	cybb	ZDB-GENE-040426-1380	cybb
ENSDARG00000070351	8.647798854	1.033001883	0.345567364	2.989292369	0.002796244	0.046689989	hoxc11a	ZDB-GENE-990415-111	hoxc11a
ENSDARG00000010572	306.5762937	-0.890928878	0.298204208	-2.987646901	0.002811342	0.046889829	slc25a25a	ZDB-GENE-040426-2396	slc25a25a
ENSDARG00000011459	272.4225198	0.259625178	0.086906193	2.987418603	0.002813442	0.046889829	gsna	ZDB-GENE-030131-9653	gsna
ENSDARG00000029995	8993.102577	-0.445332518	0.149095821	-2.986888001	0.00281833	0.046927672	tnni2b.2	ZDB-GENE-040801-9	tnni2b.2
ENSDARG00000023536	1256.899141	-0.374115901	0.125304967	-2.985643027	0.002829828	0.047040572	nnt	ZDB-GENE-040426-2592	nnt
ENSDARG00000101799	7.780731703	-1.176249339	0.393976048	-2.985585913	0.002830356	0.047040572	si:ch1073-82l19.1	ZDB-GENE-030131-5941	si:ch1073-82l19.1
ENSDARG00000074968	14.59396341	0.676609804	0.226888446	2.982125435	0.002862547	0.047531531	polr2m	ZDB-GENE-160728-95	polr2m
ENSDARG00000062096	179.9229733	0.347529751	0.116591574	2.980744997	0.002875481	0.047702133	pm20d1.2	ZDB-GENE-061013-637	pm20d1.2
ENSDARG0000001933	27.02515219	-0.512549655	0.172015438	-2.979672407	0.002885568	0.047825222	prkag2b	ZDB-GENE-070912-442	prkag2b
ENSDARG00000104412	26.10375486	0.619756484	0.208070614	2.978587282	0.002895805	0.04795058	si:dkey-72l17.5	ZDB-GENE-070424-250	si:dkey-72l17.5
ENSDARG00000042652	332.6848555	0.323769018	0.108715484	2.978131594	0.002900114	0.047977631	rreb1b	ZDB-GENE-070912-273	rreb1b
ENSDARG00000038941	12.16606131	-0.769600963	0.258455601	-2.977691175	0.002904285	0.048002337	ppp1r1c	ZDB-GENE-040718-273	ppp1r1c
ENSDARG00000070668	13.61542058	1.03597844	0.347989521	2.97703919	0.002910468	0.048060243	cd4-1	ZDB-GENE-100922-280	cd4-1
ENSDARG00000077083	6.493376196	-1.05645595	0.354954955	-2.976309905	0.002917399	0.048130371	avpr1aa	ZDB-GENE-101028-2	avpr1aa
ENSDARG00000040799	28.98407837	-1.31515166	0.442145593	-2.974476465	0.00293489	0.048374427	sst1.1	ZDB-GENE-030131-4743	sst1.1
ENSDARG00000043722	2499.53724	0.708128839	0.238129213	2.973716798	0.002942165	0.048449809	cpa4	ZDB-GENE-040704-61	cpa4
ENSDARG00000020007	22506.19026	-0.419506158	0.141126005	-2.972564532	0.002953231	0.048587427	col1a2	ZDB-GENE-030131-8415	col1a2
ENSDARG00000022698	190.8783921	0.539173742	0.181426244	2.971861907	0.002959998	0.048641522	lad1	ZDB-GENE-030616-268	lad1
ENSDARG00000054903	89.91473805	-0.414589376	0.1395144	-2.971660095	0.002961944	0.048641522	mta3	ZDB-GENE-030131-6485	mta3
ENSDARG00000114063	285.1826125	0.608093694	0.204686322	2.97085651	0.002969705	0.048724355	parm1	ZDB-GENE-140106-262	parm1
ENSDARG00000003307	74.71770941	0.316695259	0.106614604	2.970467903	0.002973465	0.048741447	stx16	ZDB-GENE-060810-113	stx16
ENSDARG00000100419	143.0889689	-0.511279146	0.172204714	-2.969019462	0.002987517	0.048927066	ints1	ZDB-GENE-030131-6523	ints1
ENSDARG00000061145	25.72799496	-0.572615636	0.192919632	-2.96815638	0.002995919	0.049019899	gfod2	ZDB-GENE-061103-64	gfod2
ENSDARG00000006112	108.4870623	-0.389281041	0.131193754	-2.967222372	0.003005035	0.04907959	myof	ZDB-GENE-040426-1138	myof
ENSDARG00000091119	14.81946284	-0.861461843	0.290326065	-2.967221853	0.00300504	0.04907959	fbxo40.2	ZDB-GENE-120215-105	fbxo40.2
ENSDARG00000039871	75.16729053	0.306644195	0.103356048	2.966872306	0.003008459	0.049090711	rpz4	ZDB-GENE-050417-472	rpz4
ENSDARG00000089836	64.51695224	-0.428543649	0.144491665	-2.965871073	0.00301827	0.049206031	MRPS12	ZDB-GENE-091204-48	si:dkey-17e16.10
ENSDARG00000103692	16.0970445	-1.482329001	0.499877074	-2.965387048	0.003023023	0.049238762	p4ha3	ZDB-GENE-041010-4	p4ha3
ENSDARG00000075718	120.5684498	0.334005075	0.112648036	2.965032377	0.003026511	0.049250833	rpz5	ZDB-GENE-030131-4678	rpz5
ENSDARG00000099973	246.9492713	0.285797391	0.096452744	2.963082031	0.003045754	0.049519043	mia2	ZDB-GENE-100618-1	mia2
ENSDARG00000075337	25.20328247	-0.697576445	0.235450463	-2.962731247	0.003049227	0.0495306	lars2	ZDB-GENE-070928-3	lars2
ENSDARG00000079900	80.62236948	-0.362229628	0.12235906	-2.960382555	0.003072572	0.049864653	shroom4	ZDB-GENE-041111-246	shroom4
ENSDARG00000052674	537.2608749	0.191768427	0.064804818	2.959169267	0.003084696	0.049986595	csnk1a1	ZDB-GENE-020419-19	csnk1a1
ENSDARG00000010565	8.920302343	-0.904406146	0.305638347	-2.959072884	0.003085661	0.049986595	aqp4	ZDB-GENE-040724-152	aqp4
ENSDARG00000022995	310.103995	0.353599109	0.119541266	2.957966913	0.003096754	0.050121013	clic4	ZDB-GENE-030326-3	clic4
ENSDARG00000109769	20.16832459	-0.978088366	0.330737634	-2.957293832	0.003103522	0.050155257	LO017835.1		
ENSDARG00000056338	183.3734815	0.268707268	0.090876141	2.956851658	0.003107976	0.050155257	szrd1	ZDB-GENE-050522-55	szrd1
ENSDARG00000042293	58.11088661	0.595354229	0.201353874	2.956755763	0.003108943	0.050155257	ca4b	ZDB-GENE-080815-5	ca4b
ENSDARG00000067916	101.5989135	0.42626804	0.144172871	2.956645297	0.003110057	0.050155257	lyn	ZDB-GENE-040912-7	lyn
ENSDARG00000073841	437.8010062	-0.210627715	0.071265091	-2.955552463	0.003121096	0.050243569	herc2	ZDB-GENE-070718-6	herc2
ENSDARG00000063050	71.92464817	-0.383680626	0.129817063	-2.955548496	0.003121136	0.050243569	rc3h2	ZDB-GENE-060503-694	rc3h2
ENSDARG00000002994	192.4548043	0.398949845	0.135011817	2.95492538	0.003127447	0.050247683	itpkca	ZDB-GENE-030131-6009	itpkca
ENSDARG00000036305	47.23971496	0.443439956	0.150079347	2.954703387	0.003129698	0.050247683	phf23b	ZDB-GENE-030131-5895	phf23b
ENSDARG00000102835	18.29660867	0.84524654	0.286069105	2.954693547	0.003129798	0.050247683	CABZ01021435.1		
ENSDARG00000015472	215.3936684	0.233449787	0.079018353	2.954374227	0.003133038	0.050254719	gpc4	ZDB-GENE-011119-1	gpc4
ENSDARG00000007671	217.6649865	-0.414069613	0.140186904	-2.953696828	0.003139923	0.050320143	ghrb	ZDB-GENE-071119-4	ghrb

ENSDARG00000025615	132.9662603	0.448195141	0.151781482	2.952897374	0.003148066	0.050405596	prr15la	ZDB-GENE-040801-218	prr15la
ENSDARG00000032496	126.4930216	0.523479037	0.17729586	2.952573384	0.003151372	0.050413511	pon1	ZDB-GENE-040912-6	pon1
ENSDARG00000068996	97.25910722	0.590827085	0.200324088	2.949356162	0.003184368	0.050895958	hist2h2l	ZDB-GENE-031118-36	hist2h2l
ENSDARG00000052928	215.9154805	0.337371916	0.114491894	2.946688236	0.003211969	0.051291392	arf6b	ZDB-GENE-030131-9056	arf6b
ENSDARG00000071213	14.58127186	-0.738591191	0.250694552	-2.946179662	0.003217255	0.051320916	rgl3a	ZDB-GENE-101130-1	rgl3a
ENSDARG00000090625	13.73455843	0.694179157	0.235650721	2.945796871	0.003221239	0.051320916	si:ch73-248e21.1	ZDB-GENE-120215-198	si:ch73-248e21.1
ENSDARG00000056467	51.68251712	-0.384810325	0.130635256	-2.945685089	0.003222403	0.051320916	tmub2	ZDB-GENE-030616-254	tmub2
ENSDARG00000045847	312.2081314	-0.243130823	0.08258349	-2.944060882	0.003239363	0.051545245	si:ch211-214j24.10	ZDB-GENE-030131-6301	si:ch211-214j24.10
ENSDARG00000057125	168.9607557	0.456431401	0.155083245	2.943138063	0.003249035	0.051653318	pld1b	ZDB-GENE-070510-3	pld1b
ENSDARG00000054723	314.5829043	0.409795706	0.139340624	2.940963622	0.00327193	0.051970137	si:ch211-242b18.1	ZDB-GENE-030131-1518	si:ch211-242b18.1
ENSDARG00000094336	43.34144339	0.550849957	0.187319596	2.940695848	0.003274759	0.051970137	si:dkeyp-82a1.6	ZDB-GENE-081105-150	si:dkeyp-82a1.6
ENSDARG00000094845	47.33946248	-0.92324844	0.31400551	-2.940230066	0.003279686	0.052002311	zmp:0000001323	ZDB-GENE-140106-283	zmp:0000001323
ENSDARG00000093640	90.43082516	-1.052577511	0.358116024	-2.939208082	0.003290521	0.052128012	ugt5a2	ZDB-GENE-061103-373	ugt5a2
ENSDARG00000090386	30.17608366	-0.524779865	0.17860346	-2.938240198	0.003300812	0.052244888	cd3eap	ZDB-GENE-101202-2	cd3eap
ENSDARG00000004539	39.82037741	-0.712150881	0.242580097	-2.935735005	0.003327585	0.052605639	ptgs2a	ZDB-GENE-020530-2	ptgs2a
ENSDARG00000035563	67.97459337	0.528376542	0.17999614	2.935488184	0.003330233	0.052605639	znf703	ZDB-GENE-010717-1	znf703
ENSDARG00000016200	62.77172492	-0.484124133	0.164940728	-2.935140029	0.003333972	0.052605639	trib3	ZDB-GENE-040426-2609	trib3
ENSDARG00000087401	12.1520907	-0.759681206	0.25885444	-2.934781434	0.003337827	0.052605639	slc25a34	ZDB-GENE-040426-1442	slc25a34
ENSDARG00000058212	24.83542432	0.539073373	0.183686918	2.934740152	0.003338271	0.052605639	ndnl2	ZDB-GENE-031107-3	ndnl2
ENSDARG00000058650	24.28629937	0.633938148	0.216079542	2.933818452	0.00333482	0.052715775	dpm3	ZDB-GENE-040426-1782	dpm3
ENSDARG00000012896	29.40740168	-0.539180305	0.183822695	-2.933154169	0.003355372	0.052782361	anos1a	ZDB-GENE-000201-9	anos1a
ENSDARG00000114141	19.20808389	-1.192801423	0.406781679	-2.932288954	0.003364735	0.052829592	CABZ01083546.1		
ENSDARG00000022000	21.74508125	0.678400626	0.231358967	2.932242625	0.003365237	0.052829592	traf3	ZDB-GENE-040801-257	traf3
ENSDARG00000042545	21.22554523	-0.694465674	0.236852445	-2.932060392	0.003367213	0.052829592	sema3ga	ZDB-GENE-050513-3	sema3ga
ENSDARG00000077571	53.12818986	0.539311438	0.183963095	2.931628414	0.003371899	0.05285688	zgc:174862	ZDB-GENE-080303-29	zgc:174862
ENSDARG00000076011	217.4575555	-0.334329137	0.114075492	-2.930770949	0.003381122	0.052936061	si:ch211-149b19.3	ZDB-GENE-110411-37	si:ch211-149b19.3
ENSDARG00000057610	6.098700674	1.035677206	0.353414993	2.930484634	0.003384337	0.052936061	cdkn2c	ZDB-GENE-081104-145	cdkn2c
ENSDARG00000037965	308.6758646	0.353761076	0.120723156	2.93034981	0.003385806	0.052936061	srrm2	ZDB-GENE-050522-399	srrm2
ENSDARG00000036636	27.29801382	0.836863677	0.285643423	2.929749505	0.003392353	0.052992226	ebpl	ZDB-GENE-030616-542	ebpl
ENSDARG00000016260	472.6559653	-0.534239239	0.182440105	-2.928299338	0.003408217	0.053193702	fxr2	ZDB-GENE-040426-943	fxr2
ENSDARG00000044254	118.5507919	0.614439467	0.20988897	2.927450009	0.00341754	0.053292821	anxa3b	ZDB-GENE-041114-128	anxa3b
ENSDARG00000074979	235.7112937	0.328514274	0.112250931	2.926606221	0.003426825	0.053391178	larp4ab	ZDB-GENE-100729-2	larp4ab
ENSDARG00000033172	45.33629516	0.533843803	0.182456612	2.92586713	0.003434976	0.053458838	nr2f5	ZDB-GENE-990415-253	nr2f5
ENSDARG00000069295	63.05927632	-0.703196701	0.240353895	-2.925672165	0.003437129	0.053458838	bcl6ab	ZDB-GENE-030131-7523	bcl6ab
ENSDARG00000070127	68.42139854	-0.428279231	0.146423692	-2.924931247	0.003445323	0.053539847	nfxl1	ZDB-GENE-110411-178	nfxl1
ENSDARG00000060682	37.1764035	-0.702544661	0.240312396	-2.923464098	0.003461601	0.053746232	agr1	ZDB-GENE-030131-7249	agr1
ENSDARG00000090340	50.52923548	0.583120653	0.199539041	2.922338658	0.003474136	0.053894182	si:dkey-27o4.1	ZDB-GENE-131121-60	si:dkey-27o4.1
ENSDARG00000040309	34.85606374	0.506059388	0.173252966	2.92092771	0.003489908	0.054092065	pxdc1b	ZDB-GENE-091204-294	pxdc1b
ENSDARG00000062550	87.73942076	-0.371017826	0.127068485	-2.919825677	0.003502272	0.054236831	rc3h1a	ZDB-GENE-050208-702	rc3h1a
ENSDARG00000014373	7.630342945	-2.65231773	0.908746656	-2.918654734	0.003515454	0.054379731	ddx4	ZDB-GENE-990415-272	ddx4
ENSDARG00000086261	21.21834624	-0.627988463	0.215177469	-2.91846756	0.003517565	0.054379731	fhdc4	ZDB-GENE-131127-25	fhdc4
ENSDARG00000079438	121.5909868	0.338725385	0.11610395	2.917432046	0.003529265	0.054513623	pkp3b	ZDB-GENE-130530-870	pkp3b
ENSDARG00000040190	399.2388644	0.510935846	0.175188258	2.916495965	0.003539873	0.054609686	qdptra	ZDB-GENE-070705-197	qdptra
ENSDARG00000077950	85.61135654	0.423004008	0.145047936	2.916304901	0.003542042	0.054609686	tor1	ZDB-GENE-080917-50	tor1
ENSDARG00000095005	11.38085897	1.225982442	0.420421709	2.916077869	0.00354462	0.054609686	si:dkey-21e2.10	ZDB-GENE-050208-778	si:dkey-21e2.10
ENSDARG00000100265	3.786231527	-1.797803535	0.61666193	-2.915359322	0.003552792	0.054688606	rhcgbl	ZDB-GENE-040426-2595	rhcgbl
ENSDARG00000079107	7.769173084	-0.926822264	0.318037821	-2.914188824	0.003566141	0.054847009	clec11a	ZDB-GENE-130530-861	clec11a
ENSDARG00000042737	68.3116666	-0.659565181	0.226563971	-2.911165342	0.003600834	0.055333127	slc52a3	ZDB-GENE-060421-4490	slc52a3
ENSDARG00000040674	172.7906148	-0.231173699	0.079496354	-2.907978615	0.003637732	0.055852269	ctdsp1	ZDB-GENE-050522-523	ctdsp1



ENSDARG00000089327	6.136278944	1.263262365	0.434500025	2.907393078	0.003644549	0.055909067	BX120005.1		
ENSDARG00000104818	121.9428253	0.628802007	0.216323098	2.906772387	0.003651788	0.055972236	si:ch211-93f2.1	ZDB-GENE-041014-96	si:ch211-93f2.1
ENSDARG00000010717	144.0933027	-0.46640613	0.160488917	-2.906157884	0.003658968	0.055994258	chchd10	ZDB-GENE-040426-1753	chchd10
ENSDARG00000062864	162.1570905	0.416827832	0.143431295	2.90611496	0.00365947	0.055994258	gk5	ZDB-GENE-061110-49	gk5
ENSDARG00000005004	50.85055663	-0.638320786	0.219691331	-2.905534702	0.003666262	0.056050362	slc5a12	ZDB-GENE-040426-1343	slc5a12
ENSDARG00000104139	142.4831532	-0.73522822	0.253118861	-2.904675759	0.003676337	0.056156522	atp1a3b	ZDB-GENE-001212-8	atp1a3b
ENSDARG00000041140	74.10885188	-0.458326182	0.15783569	-2.903818404	0.003686419	0.05625718	ddb2	ZDB-GENE-050419-169	ddb2
ENSDARG00000023724	183.7365314	0.324664324	0.111815182	2.903579971	0.003689227	0.05625718	cdc42se1	ZDB-GENE-030131-9260	cdc42se1
ENSDARG00000027249	1532.794341	-0.519962229	0.179106666	-2.903086981	0.00369504	0.05625718	btg1	ZDB-GENE-010726-1	btg1
ENSDARG00000057032	32.90305035	0.650048198	0.223935373	2.902838393	0.003697974	0.05625718	ppm1nb	ZDB-GENE-071004-34	ppm1nb
ENSDARG00000062897	118.3785238	-0.321324921	0.110695416	-2.902784341	0.003698612	0.05625718	tnksb	ZDB-GENE-030131-4865	tnksb
ENSDARG00000102299	26.05768673	0.846735062	0.292001077	2.899766912	0.003734402	0.056753423	cxcl8b.1	ZDB-GENE-101026-3	cxcl8b.1
ENSDARG00000018600	500.2102185	0.45418087	0.156643358	2.899458205	0.003738082	0.056761237	retsat	ZDB-GENE-050320-11	retsat
ENSDARG00000009480	113.3911589	0.286591074	0.098983206	2.895350503	0.003787354	0.057453081	pdcl	ZDB-GENE-030131-2365	pdcl
ENSDARG00000110698	604.5578561	-0.65275057	0.225483505	-2.894892782	0.003792881	0.057453081	CABZ01061524.1		
ENSDARG00000058656	954.6253974	-0.51155328	0.17671078	-2.894861766	0.003793255	0.057453081	desma	ZDB-GENE-980526-221	desma
ENSDARG00000045979	50.24096882	-0.61878828	0.213776838	-2.894552501	0.003796994	0.057461177	zgc:153704	ZDB-GENE-060929-1114	zgc:153704
ENSDARG00000056387	4.087708094	-2.606245806	0.900763116	-2.893375362	0.003811255	0.057628364	rnf17	ZDB-GENE-030131-6451	rnf17
ENSDARG00000099518	98.89036975	0.66058644	0.228408111	2.892132144	0.00382637	0.057808162	si:ch211-119e14.1	ZDB-GENE-141216-162	si:ch211-119e14.1
ENSDARG00000102424	3.984259448	-1.395818978	0.48278306	-2.891192948	0.003837824	0.057932408	si:ch211-114m9.1	ZDB-GENE-120215-49	si:ch211-114m9.1
ENSDARG00000037551	122.8325767	0.746754656	0.258319433	2.890818731	0.003842397	0.057952651	pm20d1.1	ZDB-GENE-051120-102	pm20d1.1
ENSDARG00000037057	320.6871051	-0.390639914	0.135185768	-2.889652656	0.003856677	0.05811915	gcdha	ZDB-GENE-040426-1855	gcdha
ENSDARG00000076800	5.828663204	1.122341541	0.388458519	2.889218501	0.003862006	0.058133832	tnfrsf18	ZDB-GENE-101104-7	tnfrsf18
ENSDARG00000024717	225.9153539	0.304880716	0.284080716	2.889045244	0.003864135	0.058133832	selenbp1	ZDB-GENE-040426-1436	selenbp1
ENSDARG00000059369	15.02781265	-1.230007011	0.425798699	-2.888705421	0.003868313	0.058147906	si:ch1073-15f12.3	ZDB-GENE-081104-69	si:ch1073-15f12.3
ENSDARG00000101726	1013.815231	0.484920999	0.167997497	2.886477527	0.003895806	0.05851213	si:ch211-93f2.1	ZDB-GENE-041014-96	si:ch211-93f2.1
ENSDARG00000092361	37.15530139	0.581036217	0.201347772	2.885734528	0.003905014	0.058601351	si:dkey-79f11.7	ZDB-GENE-090313-338	si:dkey-79f11.7
ENSDARG00000017126	261.6661575	0.433821398	0.150356531	2.885284693	0.003910598	0.058615823	ilvbl	ZDB-GENE-040426-1623	ilvbl
ENSDARG00000095273	232.2720518	-0.462004125	0.160144676	-2.884917161	0.003915167	0.058615823	cox8a	ZDB-GENE-030131-9136	cox8a
ENSDARG00000023759	6.041376347	1.028325966	0.356455179	2.884867515	0.003915784	0.058615823	zgc:73226	ZDB-GENE-050703-8	zgc:73226
ENSDARG00000008263	48.12672328	-0.665040411	0.230562798	-2.884422016	0.003921329	0.058649864	mfsd4ab	ZDB-GENE-060810-38	mfsd4ab
ENSDARG00000095184	7.159081181	-0.940991561	0.32652811	-2.881808737	0.003953997	0.059089185	si:ch73-52p7.1	ZDB-GENE-081107-46	si:ch73-52p7.1
ENSDARG00000062662	97.31986595	-0.468593767	0.162648906	-2.881013959	0.003963981	0.059140407	lmod3	ZDB-GENE-090313-353	lmod3
ENSDARG00000040553	133.5230529	0.57936079	0.201096358	2.881010852	0.00396402	0.059140407	tmem97	ZDB-GENE-110627-1	tmem97
ENSDARG00000075864	185.4109264	0.512012802	0.177764872	2.880281108	0.003973207	0.059228203	igsf9a	ZDB-GENE-060503-288	igsf9a
ENSDARG00000033144	280.9946875	0.381370479	0.13247053	2.878908077	0.003990546	0.05937922	psme2	ZDB-GENE-991110-16	psme2
ENSDARG00000077726	86.0476517	-0.798464081	0.27735644	-2.878837358	0.003991441	0.05937922	nocta	ZDB-GENE-050208-306	nocta
ENSDARG00000036846	272.5910761	0.448101087	0.155669185	2.878547145	0.003995116	0.05937922	anks4b	ZDB-GENE-040704-29	anks4b
ENSDARG00000056407	26.52474255	0.806437208	0.280165519	2.878431334	0.003996583	0.05937922	irf8	ZDB-GENE-040718-367	irf8
ENSDARG0000002968	860.8285162	0.393168951	0.13686736	2.872627577	0.004070737	0.060392459	a1cf	ZDB-GENE-060824-3	a1cf
ENSDARG00000008414	30.30621591	-0.606504491	0.211155703	-2.872309309	0.004074839	0.060392459	exoc3l2a	ZDB-GENE-060526-343	exoc3l2a
ENSDARG00000078751	132.3336435	-0.288809772	0.100549795	-2.872305915	0.004074883	0.060392459	tpp2	ZDB-GENE-121214-290	tpp2
ENSDARG00000037967	70.99309839	0.466081182	0.162283785	2.872013259	0.004078659	0.0603985	si:dkey-16l2.16	ZDB-GENE-141219-36	si:dkey-16l2.16
ENSDARG00000076807	8.84688293	0.852038063	0.297160843	2.867262235	0.004140398	0.061262173	zgc:174268	ZDB-GENE-080219-18	zgc:174268
ENSDARG00000078362	86.77950932	-0.54475249	0.190065827	-2.866125375	0.004155296	0.06143193	zmp:0000000846	ZDB-GENE-130530-849	zmp:0000000846
ENSDARG00000095400	18.25202848	-0.703309594	0.245507457	-2.864717841	0.00417381	0.061654801	si:ch73-52f15.5	ZDB-GENE-091204-341	si:ch73-52f15.5
ENSDARG00000105241	11.29042039	1.151776567	0.402156195	2.864003044	0.00418324	0.061743244	btr26	ZDB-GENE-070705-378	btr26
ENSDARG00000021899	24.32571391	0.567826199	0.198297555	2.863505809	0.004189811	0.06178938	b4galt7	ZDB-GENE-040727-3	b4galt7
ENSDARG00000058270	78.46068305	0.553751579	0.193458707	2.862376096	0.004204776	0.061943734	COLGALT1 {1 of many}	ZDB-GENE-070424-114	si:ch211-114l13.7

ENSDARG0000002682	121.6674631	0.458369218	0.160146075	2.862194521	0.004207186	0.061943734	tbcela	ZDB-GENE-040426-1719	tbcela
ENSDARG00000077955	65.1660941	0.354416228	0.1238629	2.86135903	0.004218291	0.062031066	rnf6	ZDB-GENE-100209-1	rnf6
ENSDARG00000016687	546.0483033	-0.311651244	0.108922202	-2.861227906	0.004220036	0.062031066	acadvl	ZDB-GENE-030131-899	acadvl
ENSDARG00000078770	70.89850562	0.562859262	0.196790526	2.860194917	0.004233807	0.062138551	si:ch73-21k16.5	ZDB-GENE-030131-8374	si:ch73-21k16.5
ENSDARG00000052818	23.01806741	0.603105226	0.210864184	2.860159633	0.004234278	0.062138551	smcr8a	ZDB-GENE-071212-4	smcr8a
ENSDARG00000021948	354.409517	-0.417635206	0.146118304	-2.858199099	0.00426053	0.062433091	tnc	ZDB-GENE-980526-104	tnc
ENSDARG00000057772	46.16165597	-0.558604587	0.195443337	-2.858140864	0.004261312	0.062433091	march7	ZDB-GENE-080204-121	march7
ENSDARG00000088625	209.8487272	0.606158491	0.212109384	2.857763666	0.004266638	0.062456323	si:ch211-142d6.2	ZDB-GENE-141216-119	si:ch211-142d6.2
ENSDARG00000071629	43.80482191	0.465332927	0.162888502	2.856757369	0.004279929	0.062603557	BX511034.1		
ENSDARG00000027916	64.33863714	-0.377033035	0.132008053	-2.856136614	0.004288306	0.062674969	fntb	ZDB-GENE-030131-2220	fntb
ENSDARG00000079745	375.7145657	-0.320901252	0.112366524	-2.855843902	0.004292261	0.062681692	si:ch211-166a6.5	ZDB-GENE-030131-9913	si:ch211-166a6.5
ENSDARG00000091555	243.0275701	0.267188016	0.093599819	2.854578339	0.0043094	0.062865692	ostf1	ZDB-GENE-040625-157	ostf1
ENSDARG00000102127	11.93587862	-0.748241874	0.262136656	-2.854396195	0.004311872	0.062865692	NHLRC3		
ENSDARG00000034080	131.6774956	0.335320992	0.1174978	2.853849106	0.004319304	0.062922578	plcd1b	ZDB-GENE-030131-9435	plcd1b
ENSDARG00000089087	4302.394839	-0.643052586	0.225348412	-2.853592708	0.004322791	0.062922578	hbba1	ZDB-GENE-990415-18	hbba1
ENSDARG00000029856	82.93611862	0.383340716	0.134391762	2.852412311	0.004338878	0.063105517	cnn3b	ZDB-GENE-050522-263	cnn3b
ENSDARG00000042322	188.2040876	0.368801862	0.129334695	2.851530757	0.004350928	0.063229486	si:dkey-177p2.6	ZDB-GENE-030131-5926	si:dkey-177p2.6
ENSDARG00000069018	980.4652397	0.712612825	0.250036415	2.850036164	0.004371426	0.063436916	cyp7a1	ZDB-GENE-040426-1296	cyp7a1
ENSDARG00000100260	31.18416095	-0.504877093	0.17715661	-2.849891367	0.004373416	0.063436916	them6	ZDB-GENE-070912-340	them6
ENSDARG00000061131	175.819317	-0.386190266	0.13551881	-2.849717065	0.004375814	0.063436916	kif21a	ZDB-GENE-110411-237	kif21a
ENSDARG00000051925	237.142125	0.524971573	0.184241459	2.849367218	0.004380629	0.063455423	cyb5r2	ZDB-GENE-060825-83	cyb5r2
ENSDARG00000042934	114.8997438	-0.400112572	0.140434705	-2.849100379	0.004384305	0.063457412	ccn2a	ZDB-GENE-030131-102	ccn2a
ENSDARG00000104832	7.752489772	0.936836353	0.32889018	2.848477726	0.004392893	0.063503372	CU914164.1		
ENSDARG00000059690	9.396641339	-0.858922123	0.301555898	-2.848301526	0.004395326	0.063503372	slc29a4	ZDB-GENE-070112-1932	slc29a4
ENSDARG00000086223	21.08578198	0.550721729	0.193364571	2.848100496	0.004398103	0.063503372	si:ch73-144d13.4	ZDB-GENE-131120-182	si:ch73-144d13.4
ENSDARG00000078322	2359.620385	-0.485555287	0.170603208	-2.846108783	0.004425707	0.06385053	col12a1a	ZDB-GENE-090728-1	col12a1a
ENSDARG00000004227	78.82268835	-0.425751426	0.149671871	-2.844565394	0.004447206	0.064098439	pde3a	ZDB-GENE-041210-23	pde3a
ENSDARG00000042989	54.91404493	0.331405516	0.11651311	2.844362459	0.004450039	0.064098439	si:dkeyp-84f3.5	ZDB-GENE-050208-162	si:dkeyp-84f3.5
ENSDARG00000034189	148.6073241	0.321200647	0.113003343	2.842399519	0.004477534	0.064442714	oxsr1a	ZDB-GENE-070620-25	oxsr1a
ENSDARG00000063435	84.29200412	-0.444701269	0.156554859	-2.840545935	0.004503639	0.064766441	trpm4b.2	ZDB-GENE-061214-2	trpm4b.2
ENSDARG00000076991	20.89510959	0.541897123	0.190827555	2.839721562	0.004515293	0.064882006	dolk	ZDB-GENE-070410-59	dolk
ENSDARG00000056210	5.159211051	1.289215101	0.45404113	2.839423605	0.004519512	0.064890633	si:ch211-199o1.2	ZDB-GENE-060503-867	si:ch211-199o1.2
ENSDARG00000078658	22.34070462	-0.548167009	0.193136791	-2.838231935	0.004536421	0.065036981	supt20	ZDB-GENE-091204-264	supt20
ENSDARG00000005861	224.3031786	0.297439291	0.104798782	2.838194145	0.004536958	0.065036981	ralgapa2	ZDB-GENE-131122-56	ralgapa2
ENSDARG00000025436	107.4135014	-0.400842918	0.14125023	-2.83782134	0.00454226	0.065060981	msrb1a	ZDB-GENE-030411-3	msrb1a
ENSDARG00000038321	112.5910405	0.668379318	0.235574494	2.837231263	0.004550664	0.065089801	zgc:172053	ZDB-GENE-080219-25	zgc:172053
ENSDARG00000058725	9.354173695	2.25262862	0.793970153	2.837170403	0.004551531	0.065089801	rfesd	ZDB-GENE-050417-254	rfesd
ENSDARG00000044808	56.61945404	0.438541292	0.154680769	2.835137783	0.004580593	0.0654532	slc4a4b	ZDB-GENE-091030-1	slc4a4b
ENSDARG00000040433	25.61362374	-2.140420777	0.755077976	-2.834701642	0.00458685	0.065472067	cyp2k22	ZDB-GENE-040426-822	cyp2k22
ENSDARG00000099631	205.1172742	0.277115334	0.097763881	2.834536969	0.004589215	0.065472067	cmtm6	ZDB-GENE-030729-15	cmtm6
ENSDARG00000098918	11.24274348	-0.820028413	0.289493953	-2.832627093	0.004616721	0.065812128	mcoln2	ZDB-GENE-040426-692	mcoln2
ENSDARG00000095360	43.10927868	0.641698719	0.226704951	2.830545672	0.004646868	0.066189259	si:ch211-213b8.4	ZDB-GENE-090313-82	si:ch211-213b8.4
ENSDARG00000076781	18.89588907	0.543138696	0.191995	2.82892104	0.004670522	0.06647339	trim45	ZDB-GENE-070912-389	trim45
ENSDARG00000079637	100.3848599	-0.610288028	0.215779151	-2.82829933	0.004679603	0.066498399	alpk2	ZDB-GENE-030131-1868	alpk2
ENSDARG00000012632	122.3880477	0.695960737	0.246070948	2.828292993	0.004679696	0.066498399	zgc:92749	ZDB-GENE-040718-309	zgc:92749
ENSDARG00000095288	234.1403968	-0.307644894	0.108917851	-2.824558987	0.004734573	0.067224942	rusc2	ZDB-GENE-060526-131	rusc2
ENSDARG00000004189	147.918719	0.401983681	0.142332649	2.824254904	0.004739068	0.067235525	cbx1a	ZDB-GENE-030131-4945	cbx1a
ENSDARG00000100536	84.07919406	0.355231864	0.125891189	2.821737292	0.004776429	0.067712012	nkrf	ZDB-GENE-030616-73	nkrf
ENSDARG00000077811	94.68073447	0.441038293	0.156327165	2.821251783	0.004783664	0.067761018	sox11a	ZDB-GENE-980526-395	sox11a

ENSDARG00000095901	144.919442	-0.432269863	0.153277546	-2.82017734	0.004799712	0.067934671	col18a1b	ZDB-GENE-110411-288	col18a1b
ENSDARG00000102878	85.74293852	0.402221904	0.142670514	2.819236371	0.004813806	0.068080422	mapre3b	ZDB-GENE-040704-6	mapre3b
ENSDARG00000012776	75.27108668	0.404575839	0.143540606	2.818546272	0.004824166	0.068173179	smarca1	ZDB-GENE-070705-296	smarca1
ENSDARG00000077549	46.39991986	0.474305121	0.168364789	2.817127757	0.004845525	0.068421098	aifm2	ZDB-GENE-050506-76	aifm2
ENSDARG00000100823	139.5887881	-0.415580869	0.147564785	-2.816260456	0.004858626	0.068552117	selenok	ZDB-GENE-040912-131	selenok
ENSDARG00000042409	53.24787511	-0.410315912	0.145754628	-2.81511412	0.004875992	0.068743047	RALGDS	ZDB-GENE-081105-110	si:ch211-251j10.3
ENSDARG00000104084	97.99573109	0.551588757	0.196102888	2.812751833	0.004911954	0.069195662	si:dkey-191g9.7	ZDB-GENE-141216-135	si:dkey-191g9.7
ENSDARG00000113660	26.48365178	0.569197661	0.202429335	2.811833874	0.004925994	0.069284005	si:ch211-196f19.1	ZDB-GENE-081103-47	si:ch211-196f19.1
ENSDARG00000097824	62.43356872	0.4183915	0.148797103	2.811825573	0.004926121	0.069284005	smco4	ZDB-GENE-131121-542	smco4
ENSDARG00000016088	31.86267962	-0.619421989	0.220310653	-2.811584367	0.004929816	0.069284005	rtn2a	ZDB-GENE-060420-1	rtn2a
ENSDARG00000100752	149.5211633	0.27440633	0.097705336	2.808509151	0.004977147	0.069894419	rab21	ZDB-GENE-060929-1062	rab21
ENSDARG00000061272	132.0193934	-0.440250933	0.156782567	-2.808034976	0.004984481	0.069916469	BX294434.1		
ENSDARG00000099175	444.9950011	0.261171544	0.093023728	2.807579849	0.00499153	0.069916469	hmgbl1a	ZDB-GENE-030131-341	hmgbl1a
ENSDARG00000102493	44.09247011	0.409923382	0.14601204	2.807462873	0.004993344	0.069916469	ticam1	ZDB-GENE-040219-2	ticam1
ENSDARG00000043328	14.77866339	-0.986292592	0.351318817	-2.80740041	0.004994312	0.069916469	fip1l1a	ZDB-GENE-041014-8	fip1l1a
ENSDARG00000003776	109.5084174	0.25787967	0.091914587	2.805644656	0.005021604	0.070243695	pip4k2aa	ZDB-GENE-080721-18	pip4k2aa
ENSDARG00000097102	494.7045111	0.418485116	0.149200076	2.804858596	0.005033866	0.070307174	si:ch73-281n10.2	ZDB-GENE-131120-172	si:ch73-281n10.2
ENSDARG00000039605	1217.452887	-0.358703358	0.127886867	-2.804849061	0.005034015	0.070307174	mat1a	ZDB-GENE-030131-6127	mat1a
ENSDARG00000053068	732.0733712	0.519256712	0.185144649	2.804600161	0.005037903	0.070307174	cyp8b1	ZDB-GENE-040808-53	cyp8b1
ENSDARG00000077037	106.9705962	0.319430841	0.11391429	2.804133187	0.005045206	0.070311844	txlna	ZDB-GENE-030131-2900	txlna
ENSDARG00000037960	137.8303373	-0.314532974	0.112169863	-2.804077368	0.005046079	0.070311844	lrrc17	ZDB-GENE-030131-9774	lrrc17
ENSDARG00000077092	63.90115307	0.366741946	0.13081923	2.803425352	0.005056294	0.070359711	elk4	ZDB-GENE-030716-1	elk4
ENSDARG00000074185	48.29563838	0.558407614	0.199192456	2.803357238	0.005057362	0.070359711	pcsk9	ZDB-GENE-060927-1	pcsk9
ENSDARG00000018968	67.09118011	-0.364700732	0.130250749	-2.799989519	0.005110427	0.071042853	acvr1ba	ZDB-GENE-980526-527	acvr1ba
ENSDARG00000071429	1199.382853	-0.36059897	0.128851439	-2.798563775	0.005133043	0.071300979	tdo2a	ZDB-GENE-030131-1187	tdo2a
ENSDARG00000038297	31.91894154	0.573681287	0.205009306	2.798318272	0.005136947	0.071300979	aspdh	ZDB-GENE-040912-102	aspdh
ENSDARG00000089489	19.53608002	-0.677073972	0.242018226	-2.797615624	0.005148134	0.071400992	fam83e	ZDB-GENE-141215-21	fam83e
ENSDARG00000062447	13.81240789	-0.773172588	0.276437582	-2.796915606	0.005159301	0.071478933	hecw2a	ZDB-GENE-090311-22	hecw2a
ENSDARG00000071790	6.156026569	1.058355029	0.378421312	2.796763808	0.005161725	0.071478933	znf1153	ZDB-GENE-071004-83	znf1153
ENSDARG00000079591	117.7783598	0.27108157	0.09699212	2.794882415	0.00519186	0.071840754	si:ch211-203d1.3	ZDB-GENE-160113-15	si:ch211-203d1.3
ENSDARG00000017321	81.63884721	-0.391785912	0.140210295	-2.794273512	0.005201646	0.071920681	kdr	ZDB-GENE-041001-112	kdr
ENSDARG00000007709	23.32260817	-0.547327542	0.196063008	-2.791590044	0.005244976	0.072412266	adamts8a	ZDB-GENE-060526-202	adamts8a
ENSDARG00000008275	138.597484	-0.534742608	0.191556118	-2.791571548	0.005245276	0.072412266	klhl24b	ZDB-GENE-040426-1185	klhl24b
ENSDARG00000074319	41.32107924	-0.465486346	0.166868178	-2.789545324	0.005278211	0.072810888	sall1a	ZDB-GENE-020228-2	sall1a
ENSDARG00000038248	80.89083312	0.415076207	0.14902191	2.785336787	0.005347215	0.073617046	ggact.2	ZDB-GENE-040912-8	ggact.2
ENSDARG00000020301	199.6410634	0.358513825	0.128716829	2.785291004	0.00534797	0.073617046	os9	ZDB-GENE-060929-32	os9
ENSDARG00000101908	43.14594781	-0.441480692	0.158507768	-2.785230635	0.005348966	0.073617046	rab3ip	ZDB-GENE-050522-323	rab3ip
ENSDARG00000077101	73.18274016	0.3047954	0.109513481	2.783176987	0.005382943	0.0739201	zbtb10	ZDB-GENE-030429-10	zbtb10
ENSDARG00000055652	28.68375933	-0.492106732	0.176827854	-2.782970683	0.005386367	0.0739201	aclyb	ZDB-GENE-090909-2	aclyb
ENSDARG00000062799	49.37782159	-0.418162463	0.150259086	-2.782942933	0.005386828	0.0739201	baiap2a	ZDB-GENE-060421-2756	baiap2a
ENSDARG00000088836	43.56994032	1.119958968	0.402442541	2.782904003	0.005387474	0.0739201	si:ch211-76m11.5	ZDB-GENE-041210-278	si:ch211-76m11.5
ENSDARG00000092033	40.82827238	-0.740571435	0.266189753	-2.782118494	0.005400532	0.073988278	si:dkey-239h2.3	ZDB-GENE-081104-383	si:dkey-239h2.3
ENSDARG00000095904	46.78712853	0.441191636	0.158581738	2.782108713	0.005400695	0.073988278	prpf31	ZDB-GENE-040426-1561	prpf31
ENSDARG00000016350	126.8245991	0.272755556	0.098078193	2.781001044	0.005419156	0.074184526	cap1	ZDB-GENE-030131-6459	cap1
ENSDARG00000007836	644.5799523	-0.323429942	0.116339134	-2.780061452	0.005434861	0.074342767	ctsla	ZDB-GENE-030131-106	ctsla
ENSDARG00000052470	316.8740193	-0.382859804	0.137766735	-2.77904389	0.005451916	0.0744519	igfbp2a	ZDB-GENE-000125-12	igfbp2a
ENSDARG00000094579	23.95893375	0.629375227	0.226489073	2.778832632	0.005455463	0.0744519	b4galnt2.1	ZDB-GENE-030131-9081	b4galnt2.1
ENSDARG00000079350	115.5619092	0.297984719	0.107237155	2.778745101	0.005456933	0.0744519	znf654	ZDB-GENE-030131-1423	znf654
ENSDARG00000010816	14.55165171	-0.634134456	0.22822122	-2.778595504	0.005459446	0.0744519	slc7a14a	ZDB-GENE-070912-112	slc7a14a

ENSDARG00000095086	29.40460462	0.512512413	0.184597056	2.776384542	0.005496715	0.074903189	cfdp1	ZDB-GENE-030131-5736	cfdp1
ENSDARG00000038787	93.84691961	-0.325766005	0.117378363	-2.775349714	0.005514238	0.07508491	tmub1	ZDB-GENE-040426-2504	tmub1
ENSDARG00000060374	14.87791747	-0.772461039	0.278377725	-2.774866562	0.005522436	0.075104941	ttll11	ZDB-GENE-061013-747	ttll11
ENSDARG00000013752	5794.49388	0.552657544	0.199172418	2.774769464	0.005524085	0.075104941	tnni2a.3	ZDB-GENE-040718-80	tnni2a.3
ENSDARG00000058498	25.10305038	-0.67305399	0.242633788	-2.773949974	0.005538019	0.075232596	slc9a3.1	ZDB-GENE-060503-545	slc9a3.1
ENSDARG00000073850	20.17964016	-0.575368669	0.207435432	-2.773724154	0.005541865	0.075232596	hdac7b	ZDB-GENE-131127-113	hdac7b
ENSDARG0000003699	145.6960211	-0.286365719	0.103256589	-2.773340865	0.005548397	0.075264299	atp7a	ZDB-GENE-060825-45	atp7a
ENSDARG00000078992	361.6250766	0.264125467	0.095260114	2.772676377	0.005559738	0.075361137	wnk1a	ZDB-GENE-080917-49	wnk1a
ENSDARG00000015495	162.5172567	-0.39140633	0.14120625	-2.771876815	0.005573412	0.075489429	kif3	ZDB-GENE-011116-1	kif3
ENSDARG00000062579	46.4175923	-0.398592689	0.14385215	-2.770849723	0.005591022	0.075670796	kremen1	ZDB-GENE-070705-262	kremen1
ENSDARG00000067851	57.08642536	-0.548289029	0.197904516	-2.770472547	0.005597502	0.075701358	lcn15	ZDB-GENE-060825-349	lcn15
ENSDARG00000025467	53.60648489	-0.499229793	0.180234303	-2.769893335	0.005607465	0.075778956	aatf	ZDB-GENE-030131-9654	aatf
ENSDARG000000102308	72.60954828	0.327227589	0.118258746	2.767047685	0.005656648	0.076341298	ttc39c	ZDB-GENE-050522-194	ttc39c
ENSDARG00000102750	664.7308348	0.250859885	0.090661543	2.766993327	0.005657591	0.076341298	cdh1	ZDB-GENE-010606-1	cdh1
ENSDARG00000091317	11.14848669	-0.730971609	0.264245081	-2.766263828	0.005670264	0.076407912	hunk	ZDB-GENE-050309-240	hunk
ENSDARG00000078887	173.8782336	0.413720194	0.149561638	2.766218659	0.00567105	0.076407912	atp10d	ZDB-GENE-090313-231	atp10d
ENSDARG00000092071	132.982124	0.457143989	0.165290783	2.765695596	0.005680153	0.076448075	si:ch211-117n7.6	ZDB-GENE-060503-474	si:ch211-117n7.6
ENSDARG00000056643	28.35010268	-0.689918145	0.249468005	-2.765557626	0.005682556	0.076448075	slc22a7b.1	ZDB-GENE-040426-1311	slc22a7b.1
ENSDARG00000043492	7.673014846	0.824883197	0.298334748	2.7649585	0.005693004	0.076531212	irf1a	ZDB-GENE-060421-4031	irf1a
ENSDARG00000012405	31459.11837	-0.413164424	0.149445314	-2.764652924	0.005698339	0.076545554	col1a1a	ZDB-GENE-030131-9102	col1a1a
ENSDARG00000031506	74.46191373	0.458456653	0.165862409	2.764078106	0.005708387	0.076576299	flvcr2b	ZDB-GENE-041210-312	flvcr2b
ENSDARG00000020744	6.007821531	0.921286915	0.333312502	2.764033478	0.005709168	0.076576299	bdkrb1	ZDB-GENE-030814-1	bdkrb1
ENSDARG00000091503	29.1866535	-0.529619074	0.191628955	-2.763773749	0.005713714	0.076579998	CABZ01073954.1		
ENSDARG00000011671	5.260553572	1.393724179	0.504391672	2.76317841	0.005724147	0.076588316	pde6b	ZDB-GENE-090421-2	pde6b
ENSDARG00000077096	5.611399919	-0.998726825	0.361501946	-2.762714934	0.005732281	0.076588316	fn/dc7a	ZDB-GENE-070216-2	fn/dc7a
ENSDARG00000054304	43.67519139	0.650313402	0.235390196	2.762703855	0.005732475	0.076588316	homeza	ZDB-GENE-030616-592	homeza
ENSDARG00000098764	52.2828142	-0.541344844	0.195948039	-2.762695902	0.005732615	0.076588316	musk	ZDB-GENE-030131-6458	musk
ENSDARG00000041083	922.3874323	0.424217783	0.153561836	2.762520903	0.005735689	0.076588316	anpepa	ZDB-GENE-030131-4781	anpepa
ENSDARG00000054849	122.2353631	-0.275121384	0.099602712	-2.762187688	0.005741546	0.076609486	bcat2	ZDB-GENE-040718-425	bcat2
ENSDARG00000030844	111.4446031	-0.493135843	0.178585292	-2.761346341	0.00575636	0.076750036	klf11a	ZDB-GENE-030131-3568	klf11a
ENSDARG00000098293	25.84758635	0.642240186	0.232680492	2.760180627	0.005776941	0.076967225	si:dkey-27i16.2	ZDB-GENE-030131-9667	si:dkey-27i16.2
ENSDARG000000112691	7.851675653	-0.840313269	0.304504907	-2.759605019	0.005787128	0.077045711	st7	ZDB-GENE-060421-2807	st7
ENSDARG00000004082	43.63122837	-0.507818078	0.184060907	-2.758967601	0.005798428	0.077138884	cx39.9	ZDB-GENE-040406-2	cx39.9
ENSDARG00000062873	13.04807441	-0.696055829	0.252515483	-2.756487724	0.005842581	0.077668642	slc2a11l	ZDB-GENE-061215-118	slc2a11l
ENSDARG00000054438	164.3886574	0.311824444	0.113164142	2.755505745	0.005860148	0.077831957	fzd2	ZDB-GENE-990415-224	fzd2
ENSDARG00000069589	29.96896802	0.496680082	0.180262471	2.755316071	0.005863546	0.077831957	tmem222a	ZDB-GENE-050306-17	tmem222a
ENSDARG00000034309	110.4199968	-0.382918298	0.139025843	-2.754295814	0.005881858	0.078017276	cox10	ZDB-GENE-041111-239	cox10
ENSDARG00000005359	463.7898582	-0.24597798	0.089372132	-2.752289492	0.005918018	0.07843889	sucla2	ZDB-GENE-040426-1963	sucla2
ENSDARG00000097055	93.37116912	-0.389778536	0.141652251	-2.751657902	0.005929443	0.078532271	si:ch211-284f22.3	ZDB-GENE-060526-166	si:ch211-284f22.3
ENSDARG00000079078	9236.835464	-0.761797559	0.276906074	-2.751104553	0.005939468	0.078607	si:ch211-5k11.8	ZDB-GENE-131121-640	si:ch211-5k11.8
ENSDARG00000095918	19.30520773	0.758665573	0.276041857	2.748371499	0.005989211	0.079173473	si:ch211-274k16.9	ZDB-GENE-110408-30	si:ch211-274k16.9
ENSDARG00000077237	87.34234328	-0.500445222	0.182100628	-2.748179557	0.005992718	0.079173473	rxf7a	ZDB-GENE-100309-3	rxf7a
ENSDARG00000071570	38.15592324	0.389633286	0.14178658	2.748026552	0.005995515	0.079173473	si:dkeyp-87e7.4	ZDB-GENE-030131-6208	si:dkeyp-87e7.4
ENSDARG00000037968	39.31191964	0.446562181	0.162585034	2.746637679	0.006020961	0.079426227	fus	ZDB-GENE-040426-1010	fus
ENSDARG00000067672	8.141842043	1.411529146	0.513937682	2.746498642	0.006023514	0.079426227	card9	ZDB-GENE-060531-94	card9
ENSDARG00000034270	941.4814676	-0.267741155	0.097507586	-2.745849496	0.006035444	0.079525073	ogdha	ZDB-GENE-030131-2143	ogdha
ENSDARG00000046012	157.4170944	-0.489307081	0.178244083	-2.745151884	0.00604829	0.079635816	slc47a1	ZDB-GENE-050327-20	slc47a1
ENSDARG00000011897	104.8015772	0.309346591	0.112714818	2.744506856	0.006060189	0.079733945	tsg101b	ZDB-GENE-130530-542	tsg101b
ENSDARG00000041226	55.08684638	-0.357746692	0.130479679	-2.7417809	0.006110709	0.08031949	cdc40	ZDB-GENE-050116-3	cdc40

ENSDARG0000002840	105.8490199	0.353668899	0.12899984	2.741622764	0.006113651	0.08031949	si:dkey-28b4.8	ZDB-GENE-090501-2	si:dkey-28b4.8
ENSDARG00000017058	119.4280841	0.377852101	0.137856357	2.740911695	0.006126897	0.080380584	large2	ZDB-GENE-050419-253	large2
ENSDARG00000058945	139.8930739	0.478436254	0.174554951	2.740891921	0.006127266	0.080380584	acot22	ZDB-GENE-110407-17	acot22
ENSDARG00000036942	433.0267425	0.415170175	0.151655413	2.737588893	0.006189139	0.081132918	gpd1c	ZDB-GENE-040426-2576	gpd1c
ENSDARG00000029439	502.3878209	-0.588103167	0.214907914	-2.73653565	0.006208987	0.081333644	atp2a2a	ZDB-GENE-040426-702	atp2a2a
ENSDARG00000000369	12.95088165	-0.691015318	0.252553592	-2.736113601	0.006216956	0.081348548	prkg3b	ZDB-GENE-060421-6938	prkg3b
ENSDARG00000053829	9.609557307	0.718758687	0.262723365	2.735800403	0.006222876	0.081348548	pax9	ZDB-GENE-980526-399	pax9
ENSDARG00000055092	132.8066616	-0.263162414	0.096193704	-2.735755066	0.006223733	0.081348548	pora	ZDB-GENE-050809-121	pora
ENSDARG00000068973	81.95440171	0.31210624	0.114108778	2.735164167	0.006234917	0.081435375	pdlim4	ZDB-GENE-070308-5	pdlim4
ENSDARG00000098239	19.46813455	0.627613774	0.229550301	2.734101288	0.006255508	0.081639264	zgc:85932	ZDB-GENE-040426-2460	zgc:85932
ENSDARG00000004618	36.51495357	0.548405404	0.200642325	2.733248842	0.006271293	0.081791346	stx2a	ZDB-GENE-040801-80	stx2a
ENSDARG00000076981	121.1053758	0.478751759	0.175215774	2.732355366	0.006288327	0.081934074	zgc:198329	ZDB-GENE-080226-6	zgc:198329
ENSDARG00000025032	285.6760257	0.234168349	0.085712382	2.732024744	0.006294641	0.081934074	nr3c1	ZDB-GENE-050522-503	nr3c1
ENSDARG00000090600	138.0782812	0.295858601	0.108295498	2.731956596	0.006295943	0.081934074	si:ch211-213a13.1	ZDB-GENE-050208-471	si:ch211-213a13.1
ENSDARG00000033854	65.19031597	0.579582097	0.212240203	2.730783748	0.006318392	0.082141765	abrab	ZDB-GENE-040822-7	abrab
ENSDARG00000038822	165.7907943	-0.453260823	0.165990425	-2.730644389	0.006321064	0.082141765	mrc1b	ZDB-GENE-070705-13	mrc1b
ENSDARG00000020164	143.9492595	0.338289967	0.123951712	2.72920771	0.00634867	0.082440769	efnb2a	ZDB-GENE-990415-67	efnb2a
ENSDARG00000012640	124.2928023	0.357375862	0.130969154	2.728702523	0.006358403	0.082507415	cideb	ZDB-GENE-080514-2	cideb
ENSDARG00000043175	736.2395396	0.650674043	0.238495213	2.728247814	0.006367175	0.082561502	CELA1 (1 of many)	ZDB-GENE-050522-187	zgc:112368
ENSDARG00000012539	164.8066131	0.589056085	0.215990175	2.727235553	0.006386743	0.082755539	dnase1	ZDB-GENE-040718-423	dnase1
ENSDARG00000068784	62.1978199	0.482280072	0.176870276	2.726744613	0.006396252	0.082796263	vsir	ZDB-GENE-060929-716	vsir
ENSDARG00000076144	62.01554888	0.468664413	0.171886262	2.726596115	0.006399131	0.082796263	si:ch211-74m13.3	ZDB-GENE-060503-219	si:ch211-74m13.3
ENSDARG00000055591	76.68943826	0.614238557	0.225436503	2.724663265	0.00643671	0.083189155	pipox	ZDB-GENE-110627-2	pipox
ENSDARG00000076296	124.5092469	0.30629707	0.112420856	2.724557349	0.006438775	0.083189155	trirq		
ENSDARG00000014059	51.35091304	-0.40291602	0.147940835	-2.723494293	0.006459533	0.08339727	cldn5b	ZDB-GENE-041010-140	cldn5b
ENSDARG00000076939	78.9534155	-0.417765408	0.15340871	-2.723218306	0.006464932	0.083406928	znf451	ZDB-GENE-081107-14	znf451
ENSDARG000000116743	4.442211201	-1.605586916	0.589660379	-2.722901137	0.006471142	0.083427023	rnps1	ZDB-GENE-030131-5228	rnps1
ENSDARG00000012281	70.05077484	-0.525989098	0.193321017	-2.720806597	0.006512285	0.083897132	zgc:65851	ZDB-GENE-030131-9669	zgc:65851
ENSDARG00000076451	145.8901894	0.245511175	0.09034935	2.717354082	0.006580617	0.08471658	prdm2b	ZDB-GENE-080613-3	prdm2b
ENSDARG00000021866	92.79452445	-0.513592632	0.189027009	-2.717033057	0.006587003	0.084737964	upk1a	ZDB-GENE-060421-2603	upk1a
ENSDARG00000070391	70.18610175	0.339328178	0.124925963	2.716234234	0.006602918	0.084867416	tspan4b	ZDB-GENE-070410-127	tspan4b
ENSDARG00000068096	44.87016877	-0.422838256	0.15568114	-2.716053178	0.006606531	0.084867416	atf5a	ZDB-GENE-060526-205	atf5a
ENSDARG00000094606	11.92995383	0.792113627	0.291734315	2.715188394	0.006623808	0.084940039	si:zfos-364h11.2	ZDB-GENE-120703-46	si:zfos-364h11.2
ENSDARG00000074533	91.44543731	0.431617042	0.158976083	2.714980989	0.006627958	0.084940039	slc25a38b	ZDB-GENE-110214-1	slc25a38b
ENSDARG00000077785	393.8819495	0.37742307	0.139022535	2.714833738	0.006630905	0.084940039	atf5b	ZDB-GENE-030131-2637	atf5b
ENSDARG00000024598	59.79328702	0.322623422	0.118837759	2.714822503	0.00663113	0.084940039	homezb	ZDB-GENE-030131-9225	homezb
ENSDARG00000021374	205.7055467	0.233567502	0.086063263	2.713904779	0.006649528	0.085114903	cab39l1	ZDB-GENE-040426-2897	cab39l1
ENSDARG00000056535	17.78377796	-0.765880702	0.282238491	-2.713594092	0.006655766	0.085120231	pla2g4f.1	ZDB-GENE-131121-408	pla2g4f.1
ENSDARG00000097208	14.8637531	-0.734100714	0.270545303	-2.713411418	0.006659437	0.085120231	alkbh3	ZDB-GENE-040801-254	alkbh3
ENSDARG00000073710	303.4800289	0.197196783	0.07268202	2.713143965	0.006664814	0.085128289	usp7	ZDB-GENE-030131-3656	usp7
ENSDARG00000003795	1325.434694	-0.299475284	0.110403242	-2.712558793	0.006676594	0.085218045	idh2	ZDB-GENE-031118-95	idh2
ENSDARG00000086173	114.4139546	0.324593826	0.119799406	2.70947775	0.006738922	0.08589884	relb	ZDB-GENE-030131-9531	relb
ENSDARG00000103025	1293.468916	0.965857012	0.356477316	2.709448735	0.006739512	0.08589884	hmgcs1	ZDB-GENE-040426-1042	hmgcs1
ENSDARG00000077130	34.59171923	0.458204388	0.169153328	2.708810956	0.00675248	0.086003003	bcl10	ZDB-GENE-100219-2	bcl10
ENSDARG00000075831	768.4556614	0.408359919	0.15079045	2.708128524	0.006766381	0.08611889	slc7a8a	ZDB-GENE-121120-2	slc7a8a
ENSDARG00000017569	239.5221193	0.354371576	0.130987376	2.70538725	0.00682248	0.086771306	reep3a	ZDB-GENE-051127-47	reep3a
ENSDARG00000091513	45.70998562	0.357698142	0.132231034	2.705099799	0.006828387	0.086784881	C3orf70		
ENSDARG00000025397	24.60245095	-0.490092216	0.181432103	-2.701243092	0.006908083	0.087735586	srsf3a	ZDB-GENE-030616-631	srsf3a
ENSDARG00000018997	53.60887909	-0.49615156	0.183735129	-2.700363088	0.006926384	0.087905762	cplx2l	ZDB-GENE-040718-160	cplx2l

ENSDARG00000092894	14.76707702	0.899382734	0.333294885	2.698459459	0.006966122	0.088347574	si:ch211-114113.9	ZDB-GENE-070424-116	si:ch211-114113.9
ENSDARG00000101034	30.38802847	-0.586605271	0.217711451	-2.694416247	0.007051205	0.089363428	si:dkey-206d17.12	ZDB-GENE-081031-82	si:dkey-206d17.12
ENSDARG00000079584	15.92350082	0.621016864	0.23056944	2.693404918	0.007072632	0.089571682	zgc:194930	ZDB-GENE-081022-166	zgc:194930
ENSDARG00000009881	113.889398	-0.298239208	0.110741313	-2.693116046	0.007078763	0.089586062	ier5	ZDB-GENE-030616-127	ier5
ENSDARG00000052783	113.2932589	0.404950809	0.150401965	2.692456902	0.00709277	0.089700034	cdc42ep3	ZDB-GENE-040912-89	cdc42ep3
ENSDARG00000098162	302.8257617	0.486645753	0.180908322	2.690013081	0.007144922	0.090295901	zgc:77748	ZDB-GENE-040426-1864	zgc:77748
ENSDARG00000015676	128.4480073	-0.349967693	0.130156883	-2.688814336	0.007170629	0.09055037	nmd3	ZDB-GENE-050320-149	nmd3
ENSDARG00000077383	480.4186005	0.180020687	0.066956946	2.688603625	0.007175156	0.09055037	anxa11a	ZDB-GENE-030707-4	anxa11a
ENSDARG00000078214	241.9428169	-0.369080948	0.137336088	-2.687428726	0.007200447	0.090724148	mybbp1a	ZDB-GENE-030131-9864	mybbp1a
ENSDARG00000018162	13.23233847	0.628028153	0.233695927	2.687373121	0.007201646	0.090724148	ctnnal1	ZDB-GENE-060503-507	ctnnal1
ENSDARG00000057714	136.8878088	0.356958159	0.132833545	2.687259157	0.007204103	0.090724148	cmah	ZDB-GENE-040704-33	cmah
ENSDARG00000020072	285.8718915	-0.376558125	0.140189488	-2.686065331	0.007229895	0.090896381	thbs4b	ZDB-GENE-020708-4	thbs4b
ENSDARG00000070735	16.27919217	0.960655874	0.357648173	2.686036013	0.007230529	0.090896381	rnd2	ZDB-GENE-030616-177	rnd2
ENSDARG00000040118	15.78204787	-0.843746702	0.314165404	-2.685676685	0.007238309	0.090896381	zgc:113232	ZDB-GENE-050327-86	zgc:113232
ENSDARG00000024101	13.0996225	-0.597651729	0.222552313	-2.685443804	0.007243355	0.090896381	adra1d	ZDB-GENE-090312-203	adra1d
ENSDARG00000054916	255.852981	-0.634251222	0.236191685	-2.685324086	0.007245951	0.090896381	eif4ebp3	ZDB-GENE-041114-44	eif4ebp3
ENSDARG00000022295	99.29889715	0.506630135	0.188673552	2.685220738	0.007248192	0.090896381	hnf1bb	ZDB-GENE-030131-3003	hnf1bb
ENSDARG00000078772	141.7883888	0.27539123	0.102573674	2.68481395	0.007257019	0.090943482	nbr1b	ZDB-GENE-170215-1	nbr1b
ENSDARG00000079946	210.1461034	1.063694993	0.396276225	2.684226119	0.007269792	0.09103993	sqlea	ZDB-GENE-071004-98	sqlea
ENSDARG00000026759	97.51467369	0.584001004	0.217624603	2.683524737	0.007285059	0.091167449	ldlr	ZDB-GENE-040426-1254	ldlr
ENSDARG00000016526	46.41774469	0.619399062	0.230888331	2.682678068	0.007303526	0.091334818	gata3	ZDB-GENE-990415-82	gata3
ENSDARG00000055245	12.13088429	1.447586734	0.539728941	2.682062464	0.00731698	0.0914393	zmp:0000000650	ZDB-GENE-130530-653	zmp:0000000650
ENSDARG00000079766	58.23057605	0.452789395	0.168904133	2.680747878	0.007345784	0.091697636	tap1	ZDB-GENE-050517-43	tap1
ENSDARG00000035648	7.156017638	1.023760179	0.381907089	2.680652461	0.007347878	0.091697636	irx4a	ZDB-GENE-040426-1825	irx4a
ENSDARG00000038028	184.749838	-0.430675594	0.160679985	-2.680331298	0.007354933	0.091721842	ndufa6	ZDB-GENE-040426-1124	ndufa6
ENSDARG00000086815	258.7692476	0.223733109	0.083488594	2.679804499	0.007366517	0.091802466	MYADM	ZDB-GENE-070912-664	si:dkeyp-67a8.2
ENSDARG00000096355	6.641228758	1.708000316	0.637735251	2.678227858	0.007401285	0.092171697	ighv1-4	ZDB-GENE-040514-1	ighv1-4
ENSDARG00000075565	38.67769697	-0.449010249	0.167705336	-2.67737604	0.00742013	0.092342261	lzts1	ZDB-GENE-081104-431	lzts1
ENSDARG00000075034	24.87878949	-0.478407629	0.178895602	-2.674228011	0.007490151	0.09314901	raver2	ZDB-GENE-090713-1	raver2
ENSDARG00000004830	155.1315207	0.242339244	0.090640005	2.67364554	0.007503171	0.09324627	flot2a	ZDB-GENE-020430-3	flot2a
ENSDARG00000075768	363.27511	-0.254436304	0.095188769	-2.6729656	0.007518396	0.093370772	sdhb	ZDB-GENE-030131-8005	sdhb
ENSDARG00000099889	185.4128989	-0.798238042	0.298738344	-2.672030753	0.007539374	0.093566499	dusp27	ZDB-GENE-140513-1	dusp27
ENSDARG00000079393	60.73461521	1.334390135	0.499551168	2.671178092	0.007558553	0.093682118	tmprss15	ZDB-GENE-091204-83	tmprss15
ENSDARG00000061603	69.42681981	-0.391233406	0.146466165	-2.671152119	0.007559138	0.093682118	sorbs2b	ZDB-GENE-070308-3	sorbs2b
ENSDARG00000025033	133.8048036	0.274717631	0.102863402	2.670703339	0.007569251	0.093742665	stx5a	ZDB-GENE-040718-18	stx5a
ENSDARG00000053136	1051.998166	0.651004711	0.243873061	2.669440852	0.007597765	0.094030867	b2m	ZDB-GENE-980526-88	b2m
ENSDARG00000105071	60.90241844	0.378626509	0.141871292	2.668802846	0.007612212	0.094144686	nos1apa	ZDB-GENE-081024-1	nos1apa
ENSDARG00000035889	21.95510633	0.51213091	0.191942968	2.66814104	0.007627223	0.09426533	zbtb8b	ZDB-GENE-050417-42	zbtb8b
ENSDARG00000000656	54.26611463	0.556543912	0.208629558	2.667617751	0.007639112	0.094347236	psmb9a	ZDB-GENE-990415-140	psmb9a
ENSDARG00000069388	29.35468611	0.615967094	0.23103151	2.666160529	0.007672305	0.094691977	tmem88b	ZDB-GENE-060929-644	tmem88b
ENSDARG00000003462	33.87610812	-0.599536229	0.225020883	-2.664358176	0.007713538	0.095135409	fech	ZDB-GENE-000928-1	fech
ENSDARG00000016059	81.42056658	0.293868209	0.110325139	2.663655903	0.007729658	0.095268705	rab5b	ZDB-GENE-040426-2593	rab5b
ENSDARG00000027734	240.2951308	0.204584275	0.076856906	2.661885396	0.007770433	0.095657181	srsf5b	ZDB-GENE-040718-354	srsf5b
ENSDARG00000004105	91.02328325	0.311113002	0.116879621	2.661824193	0.007771846	0.095657181	tie1	ZDB-GENE-990415-55	tie1
ENSDARG00000101350	9.972138892	-0.669718064	0.251709991	-2.660673343	0.007798457	0.095918886	arhgap28	ZDB-GENE-041114-147	arhgap28
ENSDARG00000099003	77.75283188	0.441192499	0.165843515	2.660293943	0.007807248	0.095961195	cyp2aa1	ZDB-GENE-070424-33	cyp2aa1
ENSDARG00000100052	5.236576408	1.098854618	0.413146909	2.65971884	0.007820591	0.095974873	cckb	ZDB-GENE-060720-30	cckb
ENSDARG00000024693	74.00731562	0.415576895	0.156253097	2.659639409	0.007822435	0.095974873	lysmd3	ZDB-GENE-040625-88	lysmd3
ENSDARG00000029751	100.1243857	-0.380130668	0.142930227	-2.659554083	0.007824417	0.095974873	wbp1lb	ZDB-GENE-050522-112	wbp1lb

ENSDARG0000028071	523.1161197	-0.308211491	0.115956853	-2.657984276	0.007860956	0.09635716	bmp1a	ZDB-GENE-060818-1	bmp1a
ENSDARG0000002791	1551.822241	-0.290435787	0.10935965	-2.655785627	0.00791239	0.096921367	atp1a1a.1	ZDB-GENE-001212-1	atp1a1a.1
ENSDARG00000016253	65.1015091	0.333264308	0.125525157	2.65496029	0.007931775	0.0970925	ralab	ZDB-GENE-041114-195	ralab
ENSDARG00000104138	58.2354128	-0.491904044	0.185309121	-2.654505301	0.007942479	0.097157216	igfbp7	ZDB-GENE-040426-2423	igfbp7
ENSDARG00000075016	3562.373584	0.7743808	0.291840537	2.653438096	0.007967638	0.097398541	apobb.2	ZDB-GENE-070705-554	apobb.2
ENSDARG0000008886	10.26923995	0.746137093	0.281224781	2.65316979	0.007973975	0.097409599	msx1b	ZDB-GENE-980526-26	msx1b
ENSDARG00000076416	137.7501178	0.217941325	0.082179816	2.652005518	0.008001523	0.097658322	shroom2a	ZDB-GENE-050208-128	shroom2a
ENSDARG00000069619	199.102887	0.291852754	0.110056313	2.651849277	0.008005227	0.097658322	atf7ip	ZDB-GENE-061103-178	atf7ip
ENSDARG00000103337	118.7495211	-0.441392205	0.166467116	-2.651527923	0.008012849	0.097668146	rrp1	ZDB-GENE-030131-9837	rrp1
ENSDARG00000057128	299.9498687	-0.293730439	0.110784979	-2.651356182	0.008016925	0.097668146	hadhaa	ZDB-GENE-031222-5	hadhaa
ENSDARG00000103046	191.3899395	0.270803813	0.102161733	2.650736283	0.008031653	0.097781145	rest	ZDB-GENE-080415-1	rest
ENSDARG00000105415	4.043080383	-3.955587411	1.492433048	-2.650428718	0.008038969	0.097803819	si:ch211-163c2.1	ZDB-GENE-160114-75	si:ch211-163c2.1
ENSDARG00000116625	16.60419997	0.57359973	0.216600773	2.64818875	0.008092433	0.098262334	znf1141	ZDB-GENE-110913-35	znf1141
ENSDARG00000035595	37.85000042	0.450420466	0.170086929	2.648178012	0.00809269	0.098262334	ficd	ZDB-GENE-030131-6588	ficd
ENSDARG00000095805	15.12564375	0.66989492	0.252966075	2.648161105	0.008093095	0.098262334	si:dkey-16n15.6	ZDB-GENE-110411-70	si:dkey-16n15.6
ENSDARG00000043658	141.7722821	0.257455043	0.097243476	2.647530247	0.008108211	0.098379256	cxadr	ZDB-GENE-020814-2	cxadr
ENSDARG00000057586	13.24306495	-0.766502218	0.289543736	-2.647276124	0.008114307	0.098385754	sall3b	ZDB-GENE-030131-9140	sall3b
ENSDARG00000013095	167.1876694	0.27910058	0.105445879	2.646860956	0.008124275	0.098385754	gclc	ZDB-GENE-030131-5056	gclc
ENSDARG00000002165	228.4791473	0.358340089	0.135385022	2.646822245	0.008125205	0.098385754	psme1	ZDB-GENE-991110-17	psme1
ENSDARG00000092091	92.66926015	-1.066506172	0.403024405	-2.64625705	0.008138794	0.098483806	cyp2x12	ZDB-GENE-030131-4664	cyp2x12
ENSDARG00000100003	177.9191593	-0.471092887	0.178065698	-2.645612782	0.00815431	0.098601089	glulb	ZDB-GENE-030131-8417	glulb
ENSDARG00000052705	30.60759956	-1.327662958	0.501876412	-2.6453982	0.008159483	0.098601089	pkp1b	ZDB-GENE-030131-417	pkp1b
ENSDARG00000076225	22.02700174	0.551240141	0.208435208	2.644659439	0.008177317	0.098750054	tha1	ZDB-GENE-040704-14	tha1
ENSDARG00000100633	204.4929678	0.299599441	0.113296353	2.644387337	0.008183895	0.098762975	zgc:114200	ZDB-GENE-050913-96	zgc:114200
ENSDARG00000086826	621.4925115	0.536669375	0.202988118	2.643846247	0.008196988	0.098773297	sult6b1	ZDB-GENE-050417-228	sult6b1
ENSDARG00000076532	683.1281521	0.27926383	0.105629631	2.643802011	0.008198059	0.098773297	si:ch211-222l21.1	ZDB-GENE-030131-247	si:ch211-222l21.1
ENSDARG00000040445	263.3965191	0.604729113	0.228746126	2.643669316	0.008201274	0.098773297	si:ch211-219a4.3	ZDB-GENE-070424-157	si:ch211-219a4.3
ENSDARG00000030887	66.35768648	0.395116787	0.149479486	2.643284346	0.008210605	0.098819316	phf23a	ZDB-GENE-050320-67	phf23a
ENSDARG00000043497	43.03228532	-0.479875025	0.18158811	-2.642656649	0.00822584	0.098936282	scrn2	ZDB-GENE-040724-75	scrn2
ENSDARG00000038059	240.4564869	0.206855877	0.078291763	2.642115458	0.008238996	0.099028099	grb2b	ZDB-GENE-040426-1975	grb2b
ENSDARG00000029170	499.3484158	-0.190687132	0.0721966	-2.641220401	0.008260796	0.099223614	si:ch211-200p22.4	ZDB-GENE-081104-61	si:ch211-200p22.4
ENSDARG00000086523	119.6864374	0.365335032	0.138338367	2.640880039	0.008269099	0.099256866	ch25h3	ZDB-GENE-180119-1	ch25h3
ENSDARG00000003520	66.02913603	0.34419439	0.130431852	2.638882934	0.00831797	0.099681446	tbc1d14	ZDB-GENE-030131-6136	tbc1d14
ENSDARG00000093822	6.23290642	-1.70137787	0.644756663	-2.638790677	0.008320234	0.099681446	si:dkey-259j3.5	ZDB-GENE-091204-113	si:dkey-259j3.5
ENSDARG00000002215	56.64261934	0.38342654	0.145317049	2.63855165	0.008326102	0.099681446	rtca	ZDB-GENE-030131-9687	rtca
ENSDARG00000070824	242.4563942	-0.294149066	0.111489749	-2.638350784	0.008331036	0.099681446	ndufb5	ZDB-GENE-011010-1	ndufb5
ENSDARG00000051890	23.45453318	1.974199626	0.748405929	2.637872779	0.008342787	0.099681446	hp	ZDB-GENE-030131-1259	hp
ENSDARG00000078643	4.684788457	1.158148689	0.439048726	2.637859128	0.008343123	0.099681446	vtcn1	ZDB-GENE-070912-388	vtcn1
ENSDARG00000001910	266.1563054	0.281531744	0.106745505	2.637410764	0.00835416	0.099681446	rora	ZDB-GENE-040426-855	rora
ENSDARG00000061048	127.0601462	-0.22998555	0.087207808	-2.637212814	0.008359037	0.099681446	ranbp9	ZDB-GENE-021030-5	ranbp9
ENSDARG00000036481	713.424374	0.347350108	0.131711488	2.637204349	0.008359246	0.099681446	tcn2	ZDB-GENE-030131-4648	tcn2
ENSDARG00000045453	3.792623557	1.727331593	0.654994044	2.637171451	0.008360057	0.099681446	f13a1a.1	ZDB-GENE-060929-1250	f13a1a.1
ENSDARG00000018283	36.25904936	0.560447852	0.212538101	2.636928853	0.008366038	0.09968648	cyba	ZDB-GENE-040426-1526	cyba
ENSDARG00000033437	165.3121634	0.338743983	0.128481435	2.636520856	0.008376105	0.099740168	rps6ka1	ZDB-GENE-060929-516	rps6ka1
ENSDARG00000070961	107.3871962	-0.372887478	0.141450213	-2.636174736	0.008384654	0.099775716	lepr	ZDB-GENE-080104-1	lepr
ENSDARG00000045411	301.4648562	0.337397699	0.12801119	2.635689096	0.008396663	0.099831394	acad11	ZDB-GENE-040426-814	acad11
ENSDARG00000103067	6.857203133	-0.879322475	0.333640931	-2.635535374	0.008400467	0.099831394	adgrd2	ZDB-GENE-081104-190	adgrd2
ENSDARG00000097011	6797.228502	-0.621376923	0.235815833	-2.635009345	0.008413497	0.099920024	hbaa1	ZDB-GENE-980526-79	hbaa1
ENSDARG00000109390	76.56490175	1.566104213	0.594425297	2.6346527	0.008422341	0.099920953	si:ch211-66i15.5	ZDB-GENE-090313-122	si:ch211-66i15.5

ENSDARG00000110439	76.27848526	0.44508919	0.168942714	2.634556878	0.008424719	0.099920953	ap1s3a	ZDB-GENE-050417-222	ap1s3a
ENSDARG00000039887	230.7023477	-0.265526695	0.100798726	-2.634226692	0.008432916	0.099952076	c1qbp	ZDB-GENE-050417-408	c1qbp