

Supplemental Table S8: 35dpf trunk RNA-seq data, genes differentially expressed comparing <i>nr5a1a</i> to <i>nr5a1b</i> mutants.									
EnsemblID	baseMean	log2FoldChange	lfcSE	stat	pvalue	padj	EnsemblGeneName	ZFIN_ID	ZFIN_Name
ENSDARG00000001975	289.4978447	-1.848806996	0.155307112	-11.9042005	1.12537E-32	2.07045E-28	hsd11b2	ZDB-GENE-030131-6030	hsd11b2
ENSDARG000000020239	299.4418007	-2.889114644	0.259297038	-11.14210433	7.82483E-29	7.19806E-25	lpin1	ZDB-GENE-080722-2	lpin1
ENSDARG000000011665	2404.031379	-1.804808044	0.171731624	-10.50946822	7.81329E-26	4.79163E-22	aldoaa	ZDB-GENE-030131-8369	aldoaa
ENSDARG000000103024	8.506805503	43.27593798	4.155426738	10.4143186	2.1332E-25	9.81164E-22	zgc:175136	ZDB-GENE-080204-122	zgc:175136
ENSDARG000000068194	97.25695768	-3.66935617	0.355490496	-10.32195294	5.60709E-25	2.06318E-21	klf9	ZDB-GENE-060526-244	klf9
ENSDARG00000018621	310.8632036	-3.259948951	0.316853069	-10.2885194	7.93877E-25	2.43429E-21	slc6a19a.1	ZDB-GENE-070620-2	slc6a19a.1
ENSDARG000000100826	254.3471364	-1.73344646	0.170017277	-10.19570768	2.0723E-24	5.44659E-21	hif1al	ZDB-GENE-040426-1315	hif1al
ENSDARG00000070426	961.9570551	-2.005998851	0.198095201	-10.12643838	4.21732E-24	9.69878E-21	chac1	ZDB-GENE-030131-1957	chac1
ENSDARG00000013721	2181.888068	-2.273341454	0.226939019	-10.01741112	1.27807E-23	2.61266E-20	g6pca.2	ZDB-GENE-050309-17	g6pca.2
ENSDARG00000069377	27.32945936	-4.091072709	0.437049536	-9.360661379	7.92391E-21	1.45784E-17	si:dkey-242g16.2	ZDB-GENE-030131-8324	si:dkey-242g16.2
ENSDARG00000007671	217.6649865	-1.337619432	0.143944448	-9.292608721	1.50552E-20	2.51805E-17	ghrb	ZDB-GENE-071119-4	ghrb
ENSDARG00000045424	21.77831196	20.90083881	2.289676482	9.128293437	6.95875E-20	1.06689E-16	zgc:173856	ZDB-GENE-030131-5358	zgc:173856
ENSDARG00000027744	167.5747259	-2.630405856	0.292904772	-8.980413103	2.69752E-19	3.81761E-16	gadd45ba	ZDB-GENE-040426-1971	gadd45ba
ENSDARG000000041607	158.3568523	-1.209089519	0.136270899	-8.872690566	7.13995E-19	9.38292E-16	eif4ebp3l	ZDB-GENE-030826-26	eif4ebp3l
ENSDARG000000087303	376.4473634	-1.707610279	0.19424494	-8.791015514	1.48214E-18	1.8179E-15	cebpd	ZDB-GENE-020111-4	cebpd
ENSDARG00000075666	286.2778819	-2.180618854	0.24944909	-8.741739051	2.29549E-18	2.63953E-15	tsc22d3	ZDB-GENE-040426-1433	tsc22d3
ENSDARG00000035719	47.81105902	-3.006321482	0.347560106	-8.649788715	5.15949E-18	5.58378E-15	arl5c	ZDB-GENE-040426-1866	arl5c
ENSDARG00000019613	383.418124	-0.968958942	0.112517122	-8.611657721	7.20116E-18	7.36038E-15	ip6k2b	ZDB-GENE-040718-85	ip6k2b
ENSDARG00000077236	83.05563514	-2.268778779	0.272880387	-8.314187771	9.23828E-17	8.94557E-14	hspb6	ZDB-GENE-080214-7	hspb6
ENSDARG00000070914	314.0507767	-1.111293791	0.134062386	-8.289378004	1.13842E-16	1.04723E-13	dupsp6	ZDB-GENE-030613-1	dupsp6
ENSDARG000000097205	244.3177908	-1.567518556	0.189843057	-8.25691802	1.49482E-16	1.3096E-13	ulk2	ZDB-GENE-090218-30	ulk2
ENSDARG00000007682	758.4870963	-1.824989791	0.221680734	-8.232514217	1.83324E-16	1.53309E-13	ppdpfa	ZDB-GENE-030219-204	ppdpfa
ENSDARG00000000796	190.208268	-1.708897765	0.20857231	-8.193310832	2.54137E-16	2.03287E-13	nr4a1	ZDB-GENE-040704-11	nr4a1
ENSDARG00000040815	442.5965278	-1.133694443	0.138997171	-8.156241142	3.45612E-16	2.6494E-13	tsku	ZDB-GENE-030131-4683	tsku
ENSDARG00000029075	97.61254822	-1.361962439	0.170880367	-7.97026871	1.5833E-15	1.14095E-12	pfkfb4b	ZDB-GENE-031031-4	pfkfb4b
ENSDARG00000092924	26.87528586	20.4501808	2.566532691	7.968018828	1.61238E-15	1.14095E-12	zgc:171474	ZDB-GENE-080215-16	zgc:171474
ENSDARG00000011122	141.8906159	-1.815680742	0.228132199	-7.958897286	1.73579E-15	1.18278E-12	pptc7a	ZDB-GENE-041114-74	pptc7a
ENSDARG00000042667	576.2979129	-2.126300177	0.268399324	-7.922151764	2.33435E-15	1.53384E-12	klf2a	ZDB-GENE-011109-1	klf2a
ENSDARG00000092126	11.67012718	-5.852571528	0.740050377	-7.908342064	2.60839E-15	1.6548E-12	vtg5	ZDB-GENE-001201-4	vtg5
ENSDARG00000092052	26.05752373	-4.325523049	0.55109146	-7.849011215	4.1933E-15	2.57161E-12	gstk4	ZDB-GENE-060421-6530	gstk4
ENSDARG00000061368	130.392681	-1.374753305	0.177120507	-7.761683444	8.38094E-15	4.97395E-12	klf13	ZDB-GENE-060929-1274	klf13
ENSDARG00000069381	26.06185693	4.447209441	0.584532894	7.608142302	2.78064E-14	1.59869E-11	si:ch211-125e6.5	ZDB-GENE-070912-39	si:ch211-125e6.5
ENSDARG00000099517	448.5743415	-1.313049479	0.172927372	-7.593069049	3.12416E-14	1.74177E-11	adssl1	ZDB-GENE-040516-18	adssl1
ENSDARG00000075564	132.6191954	-1.333402781	0.176805132	-7.54165202	4.64055E-14	2.51108E-11	fam13a	ZDB-GENE-050208-102	fam13a
ENSDARG00000031616	56.80693832	-1.608607479	0.214911291	-7.484983544	7.15561E-14	3.7614E-11	g6pca.1	ZDB-GENE-031001-4	g6pca.1
ENSDARG00000074526	38.01897527	-3.064833943	0.41008717	-7.473615769	7.80207E-14	3.98729E-11	zbtb16b	ZDB-GENE-100923-1	zbtb16b
ENSDARG00000076520	26.53038433	-2.181981872	0.29366795	-7.430098769	1.08517E-13	5.39592E-11	mafb	ZDB-GENE-141211-38	mafb
ENSDARG00000003109	276.1385781	1.251921706	0.168677381	7.421989258	1.15374E-13	5.58593E-11	rcan1a	ZDB-GENE-040801-135	rcan1a
ENSDARG00000007086	193.6672324	-1.5998461	0.215886432	-7.410591226	1.25738E-13	5.93159E-11	aqp10a	ZDB-GENE-040718-40	aqp10a
ENSDARG00000006580	8.787611977	30.29219302	4.11734736	7.357210935	1.87792E-13	8.63752E-11	clndnd	ZDB-GENE-010328-4	clndnd
ENSDARG000000086856	56.76127004	-1.488419814	0.202801555	-7.339291903	2.14727E-13	9.63547E-11	stk35	ZDB-GENE-061103-553	stk35

ENSDARG00000028396	530.1083819	-4.787359373	0.655172229	-7.307024258	2.73123E-13	1.19641E-10	fkbp5	ZDB-GENE-030616-630	fkbp5
ENSDARG00000098408	99.00899531	-1.420607841	0.194709823	-7.296025547	2.96393E-13	1.26815E-10	stbd1	ZDB-GENE-120817-2	stbd1
ENSDARG00000038429	130.2648377	-1.129907217	0.1559996	-7.243013557	4.38823E-13	1.83488E-10	csrnp1b	ZDB-GENE-030131-1515	csrnp1b
ENSDARG00000078394	4.975737802	34.35297754	4.748369106	7.234689801	4.66594E-13	1.90765E-10	CABZ01059627.1		
ENSDARG00000040253	62.46944014	-2.175717602	0.305346675	-7.125401324	1.03778E-12	4.15066E-10	onecutl	ZDB-GENE-020531-1	onecutl
ENSDARG00000042904	331.8452996	-0.933084887	0.131040572	-7.120580057	1.07474E-12	4.20703E-10	foxo3b	ZDB-GENE-990708-6	foxo3b
ENSDARG00000012968	185.9436121	-0.747753106	0.105086272	-7.115611665	1.11418E-12	4.27054E-10	rhoub	ZDB-GENE-050417-308	rhoub
ENSDARG00000091260	132.01416	-1.318347523	0.185718236	-7.098643344	1.25987E-12	4.73044E-10	mylk4a	ZDB-GENE-120824-2	mylk4a
ENSDARG00000058556	271.5131585	-2.59818488	0.366753879	-7.08427376	1.39775E-12	5.14317E-10	muc5.2	ZDB-GENE-121108-1	muc5.2
ENSDARG00000091209	71.94187003	-2.427821909	0.343579908	-7.066251127	1.59175E-12	5.74217E-10	ucp3	ZDB-GENE-040426-1317	ucp3
ENSDARG00000026771	89.17723123	-1.249752021	0.177334745	-7.0474177	1.82269E-12	6.4488E-10	tmem41ab	ZDB-GENE-040426-2050	tmem41ab
ENSDARG00000036107	853.4621967	-1.136235271	0.161547226	-7.033455786	2.0148E-12	6.99401E-10	txnipa	ZDB-GENE-030804-10	txnipa
ENSDARG00000042055	44.11375974	-2.318967572	0.33011731	-7.024677303	2.14562E-12	7.31019E-10	fam129aa	ZDB-GENE-041014-181	fam129aa
ENSDARG00000020298	119.7201683	-1.776610221	0.254213174	-6.988663064	2.77518E-12	9.28323E-10	btg2	ZDB-GENE-000210-15	btg2
ENSDARG00000015611	34.07155095	-1.51614463	0.217229673	-6.979454553	2.96328E-12	9.73544E-10	rasl11b	ZDB-GENE-040426-793	rasl11b
ENSDARG000000103038	97.76709608	-1.014893441	0.145763505	-6.962603188	3.34042E-12	1.06982E-09	pik3r3a	ZDB-GENE-040426-1978	pik3r3a
ENSDARG00000007344	220.6744697	-1.605441824	0.230625445	-6.96125194	3.37262E-12	1.06982E-09	tcap	ZDB-GENE-070501-5	tcap
ENSDARG00000089885	53.83462165	-1.933293632	0.278209989	-6.949044624	3.67768E-12	1.14681E-09	slc16a12b	ZDB-GENE-050522-80	slc16a12b
ENSDARG00000017665	121.8976364	-1.345608479	0.193806247	-6.943060413	3.83695E-12	1.17654E-09	snrkb	ZDB-GENE-040426-1724	snrkb
ENSDARG00000037618	102.7295178	-3.059282664	0.442203739	-6.918265036	4.57208E-12	1.37897E-09	ddit4	ZDB-GENE-031002-35	ddit4
ENSDARG00000095615	31.66633725	-2.035218537	0.295943	-6.877062596	6.10993E-12	1.81307E-09	si:dkeyp-86h10.3	ZDB-GENE-100922-65	si:dkeyp-86h10.3
ENSDARG00000020455	61.03755574	-1.094451756	0.159595296	-6.857669252	6.99931E-12	2.04402E-09	si:ch211-171h4.3	ZDB-GENE-081031-85	si:ch211-171h4.3
ENSDARG00000059646	107.7855135	-0.979945011	0.143586364	-6.824777658	8.80616E-12	2.5315E-09	nt5dc2	ZDB-GENE-060810-17	nt5dc2
ENSDARG00000077982	114.4860993	1.202519026	0.177392743	6.778851304	1.21135E-11	3.42868E-09	elf3	ZDB-GENE-030131-8760	elf3
ENSDARG00000007693	252.6128494	-1.10321848	0.163658395	-6.74098313	1.57318E-11	4.38537E-09	nfkbiab	ZDB-GENE-030131-1819	nfkbiab
ENSDARG00000019360	610.6562594	-0.792531711	0.117825533	-6.726315514	1.74013E-11	4.77835E-09	sec23b	ZDB-GENE-030131-5479	sec23b
ENSDARG00000096712	145.2698687	-1.549621623	0.230530091	-6.721992858	1.79256E-11	4.84258E-09	si:dkey-193p11.2	ZDB-GENE-030131-8407	si:dkey-193p11.2
ENSDARG00000031336	88.17168821	-1.204546663	0.179245707	-6.720086536	1.81617E-11	4.84258E-09	hsd20b2	ZDB-GENE-030804-21	hsd20b2
ENSDARG00000099860	1211.850691	-1.120311162	0.166944646	-6.710674386	1.93727E-11	5.0917E-09	pkmb	ZDB-GENE-040801-230	pkmb
ENSDARG00000093494	34.30948456	-1.716075846	0.256591477	-6.687969013	2.26289E-11	5.86375E-09	si:ch211-217k17.9	ZDB-GENE-061207-21	si:ch211-217k17.9
ENSDARG000000102572	70.05706488	-1.491332378	0.225757982	-6.60588993	3.95136E-11	1.00968E-08	si:ch211-260e23.9	ZDB-GENE-141222-48	si:ch211-260e23.9
ENSDARG00000054835	23.71175891	-1.649376082	0.249832675	-6.601922995	4.05858E-11	1.02287E-08	ugt5f1	ZDB-GENE-100406-6	ugt5f1
ENSDARG00000003820	236.1325412	-2.566950349	0.389648363	-6.587863811	4.462E-11	1.10935E-08	nr1d2a	ZDB-GENE-040504-1	nr1d2a
ENSDARG00000099719	14.67071504	-3.088312793	0.47550752	-6.494771724	8.31594E-11	2.03996E-08	cdkn1d	ZDB-GENE-110215-1	cdkn1d
ENSDARG00000068708	207.9882285	-0.827660146	0.128665633	-6.432643466	1.25404E-10	3.03576E-08	ifrd1	ZDB-GENE-030131-6132	ifrd1
ENSDARG00000094265	21.24000331	1.572644584	0.246296411	6.385170524	1.71207E-10	4.09073E-08	si:dkey-183n20.15	ZDB-GENE-041001-160	si:dkey-183n20.15
ENSDARG000000104039	173.1613809	-1.266595919	0.198697983	-6.374477989	1.83587E-10	4.3303E-08	errfi1a	ZDB-GENE-030131-6256	errfi1a
ENSDARG00000035869	920.6705713	-0.567454162	0.089193939	-6.362026003	1.9911E-10	4.63699E-08	azin1b	ZDB-GENE-030121-1	azin1b
ENSDARG000000104576	178.9488895	-2.271893263	0.357351079	-6.357594532	2.04938E-10	4.71305E-08	si:ch211-152c8.5	ZDB-GENE-030131-5764	si:ch211-152c8.5
ENSDARG00000053853	2455.738839	-1.523838614	0.24065402	-6.33207214	2.4189E-10	5.4942E-08	slc13a2	ZDB-GENE-040426-2389	slc13a2
ENSDARG00000036830	5601.453125	-0.981540856	0.155179127	-6.32521186	2.52885E-10	5.63354E-08	krt91	ZDB-GENE-040801-181	krt91
ENSDARG00000009505	362.0432403	-1.102774598	0.174367096	-6.324442075	2.54149E-10	5.63354E-08	prelid3b	ZDB-GENE-031002-13	prelid3b
ENSDARG00000058371	7784.575101	-0.926010935	0.14669522	-6.312481989	2.74595E-10	6.01429E-08	krt5	ZDB-GENE-991110-23	krt5

ENSDARG0000007184	36.17916022	-2.14558017	0.341702326	-6.279091497	3.40557E-10	7.37126E-08	zbtb16a	ZDB-GENE-030131-1989	zbtb16a
ENSDARG0000002548	76.81668131	-2.125623381	0.33919032	-6.266757207	3.68644E-10	7.88642E-08	socs3a	ZDB-GENE-030131-7349	socs3a
ENSDARG00000102146	120.8441344	-2.876039496	0.459425091	-6.260083633	3.84771E-10	8.1368E-08	si:ch211-69b7.6	ZDB-GENE-141212-266	si:ch211-69b7.6
ENSDARG00000068372	9.569120113	-6.26643594	1.003677807	-6.243473649	4.27958E-10	8.94725E-08	zgc:158427	ZDB-GENE-061215-110	zgc:158427
ENSDARG00000057571	846.9048483	-1.01695798	0.163609099	-6.215778861	5.10707E-10	1.05573E-07	pgam2	ZDB-GENE-040116-6	pgam2
ENSDARG0000005565	125.3793092	-1.238669172	0.199794164	-6.199726492	5.65614E-10	1.15624E-07	entpd8	ZDB-GENE-040724-142	entpd8
ENSDARG00000034600	116.7635806	-0.672717041	0.108947433	-6.174693818	6.62918E-10	1.34026E-07	tmem165	ZDB-GENE-030131-3222	tmem165
ENSDARG00000017180	298.0362864	-0.650135376	0.105637123	-6.15442144	7.53521E-10	1.50688E-07	npc1	ZDB-GENE-030131-3161	npc1
ENSDARG00000041051	65.62418397	-1.434194167	0.233162852	-6.151040588	7.69762E-10	1.5228E-07	mid1ip1a	ZDB-GENE-990415-81	mid1ip1a
ENSDARG00000069735	21.67953976	-3.615413563	0.591149913	-6.115899677	9.60137E-10	1.87921E-07	hbaa2	ZDB-GENE-081104-38	hbaa2
ENSDARG00000067741	231.8302681	-0.854175712	0.139912314	-6.105078893	1.0275E-09	1.98989E-07	itpkcb	ZDB-GENE-080225-27	itpkcb
ENSDARG00000028725	34.31022666	-1.273634334	0.210387884	-6.05374374	1.41518E-09	2.71213E-07	adra1aa	ZDB-GENE-030131-2831	adra1aa
ENSDARG00000077473	172.0126919	-1.215688642	0.200962957	-6.049317055	1.45461E-09	2.75896E-07	mych	ZDB-GENE-030219-51	mych
ENSDARG00000011245	72.2479883	-1.105621724	0.182964196	-6.042831044	1.51433E-09	2.84293E-07	esrp1	ZDB-GENE-070112-1732	esrp1
ENSDARG00000061896	168.2407073	-1.311967679	0.217370986	-6.035615447	1.58358E-09	2.9429E-07	slco2a1	ZDB-GENE-060606-3	slco2a1
ENSDARG00000002259	11.71944231	3.70096455	0.618626651	5.98254948	2.19672E-09	4.04152E-07	ca15c	ZDB-GENE-061013-737	ca15c
ENSDARG00000093704	4.751079804	18.77356326	3.172918243	5.916812795	3.2824E-09	5.97917E-07	si:dkeyp-46h3.8	ZDB-GENE-060503-183	si:dkeyp-46h3.8
ENSDARG00000055518	760.7427117	-1.180099628	0.201070405	-5.86908663	4.38202E-09	7.90397E-07	pygma	ZDB-GENE-050522-482	pygma
ENSDARG00000038106	119.5873487	-0.700455039	0.119503338	-5.861384725	4.59023E-09	8.19913E-07	slc37a4a	ZDB-GENE-040426-2230	slc37a4a
ENSDARG00000061242	186.1663469	-0.982147215	0.168449713	-5.830506909	5.52593E-09	9.77557E-07	tuft1a	ZDB-GENE-061103-184	tuft1a
ENSDARG00000060797	110.737801	-1.059078367	0.181917144	-5.821762294	5.82303E-09	1.02031E-06	pfkmb	ZDB-GENE-081114-1	pfkmb
ENSDARG00000103826	327.7713301	-1.103254556	0.189732279	-5.814796308	6.07078E-09	1.04906E-06	gpib	ZDB-GENE-020513-3	gpib
ENSDARG00000041433	553.2621876	-1.666045056	0.286559368	-5.813961239	6.10115E-09	1.04906E-06	si:dkey-7c18.24	ZDB-GENE-041014-63	si:dkey-7c18.24
ENSDARG00000046053	62.50326774	-1.995842213	0.345454258	-5.777442801	7.58445E-09	1.29202E-06	slc27a6	ZDB-GENE-060825-27	slc27a6
ENSDARG00000011371	140.4107802	0.96494704	0.167075879	5.775501814	7.67241E-09	1.29502E-06	zgc:64106	ZDB-GENE-040426-1370	zgc:64106
ENSDARG00000029497	46.63571565	-1.778894205	0.30826085	-5.770743197	7.89227E-09	1.32002E-06	tfcp2l1	ZDB-GENE-040704-58	tfcp2l1
ENSDARG00000101778	187.6060301	-0.873588725	0.151576081	-5.763367933	8.24518E-09	1.36662E-06	ca5a	ZDB-GENE-080220-57	ca5a
ENSDARG00000043009	158.7153387	-0.712565829	0.123734414	-5.75883304	8.46974E-09	1.39131E-06	fam43a	ZDB-GENE-030131-6098	fam43a
ENSDARG00000100691	203.3253983	1.194713198	0.20854968	5.72867432	1.01219E-08	1.64109E-06	prss35	ZDB-GENE-040704-55	prss35
ENSDARG00000101749	211.071462	0.976040272	0.170401348	5.72789056	1.01687E-08	1.64109E-06	zgc:92161	ZDB-GENE-040912-22	zgc:92161
ENSDARG00000069615	423.9524308	-1.32426972	0.231926156	-5.709876558	1.13058E-08	1.80873E-06	ckmt2a	ZDB-GENE-030131-5717	ckmt2a
ENSDARG00000091234	36.40978774	-1.620419549	0.28423511	-5.700983063	1.19118E-08	1.88926E-06	si:ch73-335121.4	ZDB-GENE-160728-105	si:ch73-335121.4
ENSDARG00000063572	867.7332935	-0.637948745	0.111971916	-5.697399584	1.21649E-08	1.9129E-06	perp	ZDB-GENE-050104-1	perp
ENSDARG00000016011	526.7834959	-0.790237037	0.138900285	-5.689239845	1.27606E-08	1.98957E-06	gpcpd1	ZDB-GENE-060503-472	gpcpd1
ENSDARG00000095147	12.42051998	2.104552731	0.370679434	5.677554616	1.36634E-08	2.11243E-06	krt96	ZDB-GENE-030131-221	krt96
ENSDARG00000037012	111.9606082	-0.934581735	0.165500562	-5.647000359	1.63271E-08	2.50322E-06	slc3a2b	ZDB-GENE-040122-2	slc3a2b
ENSDARG00000057687	16.22314425	-1.723012068	0.306279323	-5.625623218	1.84839E-08	2.81048E-06	sbk3	ZDB-GENE-080204-39	sbk3
ENSDARG00000097082	25.23437228	-1.307012007	0.233826764	-5.589659554	2.27515E-08	3.431E-06	im:7152348	ZDB-GENE-041111-308	im:7152348
ENSDARG00000006137	12.64481614	-3.62065199	0.649523646	-5.574318981	2.485E-08	3.71699E-06	star	ZDB-GENE-001120-3	star
ENSDARG00000043475	51.79636867	-1.101555589	0.197676836	-5.572507187	2.51099E-08	3.72558E-06	TAGAP	ZDB-GENE-121214-340	si:ch211-122h15.4
ENSDARG00000043475	51.79636867	-1.101555589	0.197676836	-5.572507187	2.51099E-08	3.72558E-06	TAGAP	ZDB-GENE-040724-50	tagapb
ENSDARG00000071076	404.0198113	-2.051538532	0.36998463	-5.544929077	2.94073E-08	4.32829E-06	ldhbb	ZDB-GENE-040718-176	ldhbb
ENSDARG00000036848	112.7729195	-1.134507436	0.205055943	-5.532672789	3.15387E-08	4.60516E-06	slc43a2a	ZDB-GENE-040426-964	slc43a2a

ENSDARG00000087093	60.60172512	-1.70234526	0.309069062	-5.507976919	3.62981E-08	5.24402E-06	si:ch211-157c3.4	ZDB-GENE-030131-8454	si:ch211-157c3.4
ENSDARG00000070826	24.76807287	-1.092221719	0.198330578	-5.50707676	3.64841E-08	5.24402E-06	bpgm	ZDB-GENE-040718-375	bpgm
ENSDARG00000060109	30.04494609	-1.006583038	0.184344285	-5.460343073	4.75215E-08	6.76255E-06	aggf1	ZDB-GENE-060929-836	aggf1
ENSDARG00000044010	76.68547307	-1.079701966	0.19777062	-5.459364814	4.77841E-08	6.76255E-06	lox12a	ZDB-GENE-070818-1	lox12a
ENSDARG00000039007	3661.598659	-0.688405893	0.126236946	-5.453283783	6.94481E-08	6.94462E-06	eno3	ZDB-GENE-031006-5	eno3
ENSDARG00000012366	48.00462376	-1.11870166	0.205542881	-5.442668	5.24884E-08	7.31577E-06	fbp2	ZDB-GENE-040822-23	fbp2
ENSDARG00000015890	153.5467796	-1.050460461	0.193146758	-5.438664728	5.36814E-08	7.42579E-06	mafa	ZDB-GENE-010605-2	mafa
ENSDARG00000079589	131.5848738	6.071749455	1.117700833	5.432356564	5.56147E-08	7.62513E-06	si:dkeyp-73d8.6	ZDB-GENE-070912-683	si:dkeyp-73d8.6
ENSDARG00000056836	305.2568583	-1.246528846	0.229509232	-5.431279748	5.59513E-08	7.62513E-06	si:ch211-125o16.4	ZDB-GENE-131120-100	si:ch211-125o16.4
ENSDARG00000032801	20.65003017	1.556834519	0.28678305	5.42861413	5.67933E-08	7.68297E-06	grk5	ZDB-GENE-091204-274	grk5
ENSDARG00000020114	151.9891844	-1.038088324	0.191480561	-5.421377085	5.91417E-08	7.94225E-06	slc20a1a	ZDB-GENE-040426-2217	slc20a1a
ENSDARG000000103720	422.6751942	-0.864340763	0.159544487	-5.417553299	6.04201E-08	8.05514E-06	zgc:162730	ZDB-GENE-030131-6366	zgc:162730
ENSDARG000000100352	115.3934128	-1.448377963	0.267668467	-5.411089243	6.26425E-08	8.29135E-06	aglb	ZDB-GENE-050309-54	aglb
ENSDARG00000057032	32.90305035	1.104090083	0.204847805	5.389806763	7.05335E-08	9.26911E-06	ppm1nb	ZDB-GENE-071004-34	ppm1nb
ENSDARG00000074663	79.14999591	-0.945385953	0.175462361	-5.387970078	7.12579E-08	9.29789E-06	SAMD8	ZDB-GENE-070410-30	zgc:162183
ENSDARG00000021439	691.9110344	-0.540607162	0.100390394	-5.38504871	7.2425E-08	9.38363E-06	ncoa4	ZDB-GENE-040426-689	ncoa4
ENSDARG00000056795	72.3316185	-0.956402166	0.177793674	-5.379281175	7.47838E-08	9.62149E-06	serpine1	ZDB-GENE-070912-60	serpine1
ENSDARG000000103380	43.34865669	1.659935107	0.309818073	5.357773641	8.42537E-08	1.07444E-05	si:ch73-21k16.1	ZDB-GENE-081031-51	si:ch73-21k16.1
ENSDARG00000014179	203.5803529	-1.145911724	0.213914718	-5.35686246	8.46795E-08	1.07444E-05	pfkma	ZDB-GENE-040912-135	pfkma
ENSDARG00000020761	198.9465446	-0.976318018	0.182619269	-5.346193887	8.9823E-08	1.13189E-05	arrdc2	ZDB-GENE-030131-7146	arrdc2
ENSDARG00000043587	150.590179	-0.691934623	0.129553294	-5.340926512	9.24727E-08	1.15736E-05	srd5a2a	ZDB-GENE-050417-199	srd5a2a
ENSDARG00000087188	458.710279	-1.272722307	0.238623114	-5.333608664	9.62799E-08	1.19686E-05	nfil3-6	ZDB-GENE-040704-63	nfil3-6
ENSDARG00000042737	68.3116666	-1.237979744	0.23258087	-5.322792638	1.02186E-07	1.26176E-05	slc52a3	ZDB-GENE-060421-4490	slc52a3
ENSDARG00000018524	273.247774	-0.847656698	0.160257237	-5.289350509	1.22751E-07	1.50559E-05	midn	ZDB-GENE-030131-2433	midn
ENSDARG000000102020	111.5294555	-0.904307908	0.172072598	-5.255385918	1.47714E-07	1.79977E-05	pnpla3	ZDB-GENE-040718-27	pnpla3
ENSDARG00000037836	118.581727	-1.392200306	0.2662392	-5.229133445	1.70306E-07	2.06138E-05	igfals	ZDB-GENE-061009-25	igfals
ENSDARG00000012609	2780.628526	-1.77758722	0.340917623	-5.214125354	1.84687E-07	2.22083E-05	hpx a		
ENSDARG00000069734	26.05122144	-3.333234145	0.640195077	-5.206591343	1.92341E-07	2.29785E-05	hbba2	ZDB-GENE-040801-164	hbba2
ENSDARG00000076773	126.57819	1.183925886	0.227709705	5.199277227	2.00065E-07	2.37471E-05	lrrc58a	ZDB-GENE-090312-76	lrrc58a
ENSDARG00000008363	185.2923196	-0.681978157	0.131773852	-5.175367835	2.27462E-07	2.6826E-05	mcl1b	ZDB-GENE-030825-1	mcl1b
ENSDARG00000043457	8660.890259	-0.641966003	0.124263587	-5.166163477	2.38948E-07	2.8001E-05	gapdh	ZDB-GENE-030115-1	gapdh
ENSDARG00000027355	2505.201806	-0.639174211	0.123774252	-5.16403209	2.41686E-07	2.81427E-05	slc25a4	ZDB-GENE-030131-5275	slc25a4
ENSDARG00000020876	263.3240618	-1.5189391	0.294802667	-5.152392673	2.57184E-07	2.9586E-05	pdk2a	ZDB-GENE-120910-1	pdk2a
ENSDARG00000013522	2580.434149	-2.023105955	0.392659981	-5.152310027	2.57297E-07	2.9586E-05	pck1	ZDB-GENE-030909-11	pck1
ENSDARG00000042807	134.0536702	-0.869720041	0.169177687	-5.140867312	2.73473E-07	3.12507E-05	slc16a4	ZDB-GENE-070112-602	slc16a4
ENSDARG00000004745	93.97652074	-0.76124036	0.14818969	-5.136931996	2.7926E-07	3.1715E-05	lmb1	ZDB-GENE-030131-9906	lmb1
ENSDARG00000071288	18.08099953	-1.370088604	0.26815863	-5.109246733	3.23446E-07	3.65077E-05	samhd1	ZDB-GENE-090313-386	samhd1
ENSDARG00000033566	5.085319212	-4.040496124	0.791091823	-5.107493225	3.26461E-07	3.66233E-05	cyp17a1	ZDB-GENE-040213-2	cyp17a1
ENSDARG00000093584	40.98829869	-1.894274526	0.37127009	-5.102146872	3.35822E-07	3.74452E-05	zgc:193505	ZDB-GENE-030131-7103	zgc:193505
ENSDARG00000069946	300.5415561	-0.84776061	0.166483839	-5.092149571	3.54027E-07	3.92372E-05	itga6b	ZDB-GENE-050320-5	itga6b
ENSDARG00000074635	514.4011324	-0.967979479	0.190308826	-5.086361452	3.64998E-07	4.0211E-05	abca1a	ZDB-GENE-031006-12	abca1a
ENSDARG00000062182	60.40142809	-0.954817306	0.188148347	-5.07481103	3.87881E-07	4.24776E-05	slc22a7b.3	ZDB-GENE-131120-103	slc22a7b.3
ENSDARG00000051861	469.5602254	-0.794001512	0.156503182	-5.073388946	3.90793E-07	4.25432E-05	pkp3a	ZDB-GENE-060512-114	pkp3a

ENSDARG00000033684	11.9423092	2.483759719	0.490257179	5.066238341	4.05754E-07	4.37585E-05	oxgr1a.1	ZDB-GENE-060421-6734	oxgr1a.1
ENSDARG00000098761	25.45616945	-1.669244669	0.329513279	-5.065788765	4.06713E-07	4.37585E-05	rgs2	ZDB-GENE-040718-410	rgs2
ENSDARG00000006120	107.7753953	0.674233388	0.13319032	5.062180082	4.14489E-07	4.40976E-05	tbx2b	ZDB-GENE-990726-27	tbx2b
ENSDARG00000052279	103.4152063	1.035688217	0.204596456	5.062102436	4.14658E-07	4.40976E-05	osgn1	ZDB-GENE-040426-864	osgn1
ENSDARG000000102911	20.5409113	-0.945732797	0.187444231	-5.045408928	4.52552E-07	4.77189E-05	iffo2b	ZDB-GENE-121030-9	iffo2b
ENSDARG00000089724	21.815473	-1.652631969	0.327588476	-5.044841587	4.53897E-07	4.77189E-05	cyl1db	ZDB-GENE-100208-1	cyl1db
ENSDARG000000100020	197.1381125	-0.918268873	0.182622436	-5.028236921	4.9501E-07	5.17454E-05	pim1	ZDB-GENE-061013-139	pim1
ENSDARG000000106630	11.83782273	-1.89035442	0.376375702	-5.022519811	5.09979E-07	5.3009E-05	LO018627.1		
ENSDARG00000036833	38.0507555	-2.56505229	0.510980256	-5.019865756	5.17076E-07	5.34447E-05	upp2	ZDB-GENE-040426-830	upp2
ENSDARG00000021372	607.5949444	-0.722476874	0.144080495	-5.01439749	5.31999E-07	5.468E-05	tob1b	ZDB-GENE-040426-2151	tob1b
ENSDARG00000031702	65.91818218	-1.100326154	0.219757396	-5.007003976	5.52838E-07	5.65062E-05	prkg1b	ZDB-GENE-080225-40	prkg1b
ENSDARG00000038561	7.006851844	-1.843570571	0.369231823	-4.992989378	5.94518E-07	6.04306E-05	klf6b	ZDB-GENE-070912-633	klf6b
ENSDARG000000104129	10.54542637	-1.853109651	0.371282459	-4.991104761	6.00349E-07	6.06881E-05	si:dkey-23n7.10	ZDB-GENE-141222-64	si:dkey-23n7.10
ENSDARG00000069335	58.73605119	0.760295069	0.152674623	4.979839189	6.36371E-07	6.39779E-05	bcl6b	ZDB-GENE-120907-1	bcl6b
ENSDARG00000052923	30.12429813	1.064148616	0.214174451	4.968606704	6.74357E-07	6.74284E-05	zgc:113162	ZDB-GENE-050522-530	zgc:113162
ENSDARG000000100792	1075.127895	-1.18500843	0.238932296	-4.959599223	7.06388E-07	7.02493E-05	zgc:154142	ZDB-GENE-070615-2	zgc:154142
ENSDARG00000040059	111.0650733	-1.285918518	0.259682625	-4.951885081	7.3498E-07	7.26998E-05	gbp	ZDB-GENE-990714-7	gbp
ENSDARG00000056885	289.2717808	-0.778198546	0.157334129	-4.946152176	7.56948E-07	7.44723E-05	per1a	ZDB-GENE-011220-1	per1a
ENSDARG00000097959	167.2246746	-1.408575193	0.285131714	-4.940086013	7.80881E-07	7.64184E-05	si:dkey-248g15.3	ZDB-GENE-131127-95	si:dkey-248g15.3
ENSDARG00000043394	29.15709852	-0.99667796	0.201879314	-4.936998947	7.93339E-07	7.72267E-05	si:dkey-71h2.2	ZDB-GENE-041014-145	si:dkey-71h2.2
ENSDARG00000077688	408.070716	-1.055979482	0.215100896	-4.90922866	9.14353E-07	8.85383E-05	cpo	ZDB-GENE-070619-6	cpo
ENSDARG00000078309	93.4031951	-1.042852937	0.21253983	-4.906623552	9.26576E-07	8.92521E-05	fam83b	ZDB-GENE-030131-7066	fam83b
ENSDARG00000043154	277.2062963	-0.761679722	0.155783932	-4.889334285	1.01178E-06	9.69513E-05	ucp2	ZDB-GENE-990708-8	ucp2
ENSDARG00000063229	158.5396273	0.641335894	0.131362362	4.882189125	1.04915E-06	0.000100011	xpo1b	ZDB-GENE-070530-6	xpo1b
ENSDARG00000099555	189.2022852	-0.965723216	0.19906858	-4.851208638	1.22711E-06	0.000116373	foxo1a	ZDB-GENE-061013-59	foxo1a
ENSDARG00000087641	52.46204428	-0.800554608	0.165228142	-4.845146818	1.26518E-06	0.000119368	cdh26.2	ZDB-GENE-100922-183	cdh26.2
ENSDARG00000033182	83.66549514	-0.808179789	0.166854717	-4.84361366	1.27499E-06	0.00011968	arl4ab	ZDB-GENE-030219-167	arl4ab
ENSDARG00000028507	704.107608	-0.759593376	0.157179891	-4.83263713	1.34736E-06	0.000125831	itgb4	ZDB-GENE-030131-7209	itgb4
ENSDARG00000086685	94.94352214	-0.726419415	0.150719959	-4.819663052	1.43801E-06	0.000133619	trim63b	ZDB-GENE-040426-1003	trim63b
ENSDARG000000105039	26.6577159	-1.745551508	0.362668957	-4.813071182	1.48628E-06	0.000137404	phka1b	ZDB-GENE-091204-81	phka1b
ENSDARG00000055342	77.25562655	-0.992697824	0.206292938	-4.81207857	1.49369E-06	0.000137404	slc16a13	ZDB-GENE-120907-2	slc16a13
ENSDARG00000079308	67.30386855	-1.279714113	0.266104637	-4.809063557	1.51639E-06	0.000138799	tor3a	ZDB-GENE-081104-165	tor3a
ENSDARG00000005799	113.8297985	-0.548362076	0.114264066	-4.799077233	1.59398E-06	0.000145179	smim14	ZDB-GENE-040426-22	smim14
ENSDARG00000034181	79.02328018	-1.061516861	0.221357605	-4.795484027	1.62283E-06	0.000147078	esr2b	ZDB-GENE-030116-1	esr2b
ENSDARG00000099819	616.3743753	-0.809754034	0.168903123	-4.794192202	1.63332E-06	0.000147303	sb:cb1058	ZDB-GENE-040108-9	sb:cb1058
ENSDARG00000054848	129.9964219	-0.958868412	0.200090563	-4.79217208	1.64985E-06	0.000148068	pdk4	ZDB-GENE-060503-754	pdk4
ENSDARG00000033614	118.464169	-0.763437451	0.159512201	-4.786075598	1.70074E-06	0.000151275	rasgef1ba	ZDB-GENE-030131-5783	rasgef1ba
ENSDARG000000103991	142.7446227	-0.638207232	0.133350922	-4.785922901	1.70203E-06	0.000151275	sec14l1	ZDB-GENE-040426-801	sec14l1
ENSDARG00000063905	60057.67386	-0.395639395	0.082684043	-4.784954658	1.71026E-06	0.000151276	mt-co1	ZDB-GENE-011205-14	mt-co1
ENSDARG00000088813	81.85010095	-1.088196931	0.228080582	-4.7711107305	1.83216E-06	0.000161283	ppp1r3ab	ZDB-GENE-050309-246	ppp1r3ab
ENSDARG00000036840	1102.30356	-0.972677018	0.203946588	-4.769273298	1.84892E-06	0.000161983	krt15	ZDB-GENE-040426-2931	krt15
ENSDARG00000070214	328.4396724	-0.872145911	0.183181817	-4.761094323	1.92546E-06	0.000167889	slc41a1	ZDB-GENE-030131-4700	slc41a1
ENSDARG00000069888	106.9338544	-0.862183301	0.181880194	-4.740391362	2.13306E-06	0.000185113	cldna	ZDB-GENE-010328-1	cldna

ENSDARG00000038321	112.5910405	1.100446887	0.232658369	4.729883096	2.24649E-06	0.000194042	zgc:172053	ZDB-GENE-080219-25	zgc:172053
ENSDARG00000014053	67.45986768	-1.558159539	0.330632936	-4.71265676	2.44508E-06	0.000210208	olfm1b	ZDB-GENE-040801-228	olfm1b
ENSDARG00000096739	414.1552786	0.769984223	0.163524562	4.708676258	2.49331E-06	0.000213358	si:dkey-219e21.2	ZDB-GENE-141215-26	si:dkey-219e21.2
ENSDARG00000056719	801.3403064	-0.84987093	0.180740497	-4.702161067	2.57422E-06	0.000219262	slc6a19b	ZDB-GENE-030131-4755	slc6a19b
ENSDARG00000026348	184.5826932	0.808614922	0.172608583	4.684673902	2.80406E-06	0.000237738	csad	ZDB-GENE-041114-36	csad
ENSDARG00000093237	7.954390689	-3.504249904	0.748454735	-4.681979735	2.84118E-06	0.00023978	si:ch211-89o9.4	ZDB-GENE-090313-134	si:ch211-89o9.4
ENSDARG00000033832	964.6956993	-1.198344766	0.256951426	-4.663701549	3.10572E-06	0.000260909	ampd1	ZDB-GENE-040426-1906	ampd1
ENSDARG00000012903	584.2446861	-1.62042186	0.347719094	-4.66014633	3.15985E-06	0.000264249	slc34a2a	ZDB-GENE-000524-1	slc34a2a
ENSDARG00000092885	21.33582157	19.61383095	4.221389703	4.64629715	3.37946E-06	0.000281336	zgc:171977	ZDB-GENE-070822-24	zgc:171977
ENSDARG00000058285	59.41922036	-1.033258272	0.223070007	-4.631991032	3.62166E-06	0.000300141	cpt1b	ZDB-GENE-041010-9	cpt1b
ENSDARG00000103211	32.76911106	-0.992233684	0.215635795	-4.601433105	4.19594E-06	0.000346174	si:dkey-19b23.8	ZDB-GENE-030131-4634	si:dkey-19b23.8
ENSDARG00000007241	130.3973389	-0.92264963	0.200770485	-4.595544165	4.31621E-06	0.000354508	mycb	ZDB-GENE-040426-780	mycb
ENSDARG00000068951	4.905756175	3.8151034	0.832624347	4.582022389	4.60501E-06	0.000376546	si:ch211-219a15.4	ZDB-GENE-060503-308	si:ch211-219a15.4
ENSDARG00000014554	311.5419292	0.790570415	0.173255174	4.563040718	5.0418E-06	0.000410438	ppp1r3cb	ZDB-GENE-040426-1733	ppp1r3cb
ENSDARG00000039093	1349.623767	-0.496603208	0.108883526	-4.560866346	5.0943E-06	0.000412885	got1	ZDB-GENE-040426-2003	got1
ENSDARG00000090903	94.82860882	-0.998042498	0.219492085	-4.547054614	5.44019E-06	0.000438985	creb3l3b	ZDB-GENE-131023-1	creb3l3b
ENSDARG00000002271	163.1787692	-0.701481052	0.15445372	-4.54169089	5.58048E-06	0.000448339	zfand5b	ZDB-GENE-040426-875	zfand5b
ENSDARG00000016143	127.8139121	-0.657256274	0.144912167	-4.535549271	5.74538E-06	0.00045958	xiap	ZDB-GENE-030825-7	xiap
ENSDARG00000090526	15.45662955	1.455000021	0.321589791	4.524397425	6.05678E-06	0.000482393	zgc:158404	ZDB-GENE-070112-592	zgc:158404
ENSDARG00000038639	20.44349338	-1.966077106	0.435126531	-4.518403192	6.23077E-06	0.000494111	elovl6l	ZDB-GENE-031110-3	elovl6l
ENSDARG00000044811	93.10199102	-0.50283619	0.111400106	-4.513785551	6.36806E-06	0.000502831	cdk9	ZDB-GENE-030131-321	cdk9
ENSDARG00000063435	84.29200412	-0.712754666	0.158029052	-4.510276166	6.47433E-06	0.000509037	trpm4b.2	ZDB-GENE-061214-2	trpm4b.2
ENSDARG00000030872	116.6550391	-1.364683318	0.303437791	-4.497407233	6.87872E-06	0.00053853	cetp	ZDB-GENE-041114-54	cetp
ENSDARG00000023082	78.51369721	-1.595138209	0.354900662	-4.49460477	6.96993E-06	0.000543359	krt1-19d	ZDB-GENE-060316-1	krt1-19d
ENSDARG00000006546	224.2435263	0.871052591	0.194056231	4.488660772	7.16723E-06	0.000556383	ak4	ZDB-GENE-040426-2505	ak4
ENSDARG00000093844	4462.054517	-1.442256402	0.321659483	-4.483798793	7.33258E-06	0.000566827	zgc:136461	ZDB-GENE-060519-7	zgc:136461
ENSDARG00000039832	41.00522451	1.49004171	0.332408351	4.482564011	7.37515E-06	0.000567732	gsta.2	ZDB-GENE-070822-30	gsta.2
ENSDARG00000061994	748.3631622	-0.615699617	0.13825299	-4.453427122	8.45104E-06	0.000647843	acacb	ZDB-GENE-060526-132	acacb
ENSDARG00000102756	5.518823894	3.013640379	0.677587985	4.447600085	8.6835E-06	0.000662901	nr0b2b	ZDB-GENE-080403-9	nr0b2b
ENSDARG00000086261	21.21834624	-0.964607547	0.217457379	-4.43584647	9.17112E-06	0.000693872	fhdc4	ZDB-GENE-131127-25	fhdc4
ENSDARG00000021787	173.4913099	-1.146913447	0.25859104	-4.435240472	9.19696E-06	0.000693872	abcb5	ZDB-GENE-030131-6414	abcb5
ENSDARG00000030604	41.90260072	-0.886139472	0.199800814	-4.435114412	9.20234E-06	0.000693872	phkg1a	ZDB-GENE-061103-385	phkg1a
ENSDARG00000116430	5.118997162	-2.252303259	0.508792262	-4.426763978	9.56573E-06	0.000717461	si:ch73-329n5.2	ZDB-GENE-131121-66	si:ch73-329n5.2
ENSDARG00000041959	51.59083009	-0.970482632	0.219261356	-4.426145355	9.59319E-06	0.000717461	cxcr4b	ZDB-GENE-010614-1	cxcr4b
ENSDARG00000043323	71.9522898	-0.621987323	0.140932811	-4.413360664	1.01778E-05	0.000758104	lnx1	ZDB-GENE-030131-9439	lnx1
ENSDARG00000063268	21.24186053	-0.982203518	0.222785633	-4.408738153	1.03975E-05	0.000771341	SLC35G1	ZDB-GENE-121214-166	si:ch211-197g18.2
ENSDARG00000000212	1252.390495	-0.715515892	0.16234925	-4.407263311	1.04685E-05	0.000773491	krt97	ZDB-GENE-040718-78	krt97
ENSDARG00000088524	4.051002146	-3.671982859	0.833358962	-4.406243918	1.05179E-05	0.00077402	acot17	ZDB-GENE-040426-2381	acot17
ENSDARG00000078041	162.1256787	0.630712561	0.14316866	4.405381473	1.05598E-05	0.00077402	xpo1a	ZDB-GENE-050309-201	xpo1a
ENSDARG00000017049	156.2836699	-0.553536247	0.126025735	-4.392247733	1.12185E-05	0.000817504	adsl	ZDB-GENE-030131-6363	adsl
ENSDARG00000098024	967.5811268	-0.60626056	0.138043933	-4.391794315	1.12419E-05	0.000817504	si:dkey-262k9.2	ZDB-GENE-131121-282	si:dkey-262k9.2
ENSDARG00000102435	18.71855072	1.234269687	0.282011328	4.376667049	1.20508E-05	0.000869647	plekhf1	ZDB-GENE-040426-1289	plekhf1
ENSDARG000000021494	404.0111755	-0.562599452	0.128546613	-4.376618234	1.20535E-05	0.000869647	hnf4a	ZDB-GENE-030131-1077	hnf4a

ENSDARG0000013236	129.5605399	1.0786954	0.246663125	4.373152256	1.22465E-05	0.000880123	dhcr24	ZDB-GENE-041212-73	dhcr24
ENSDARG0000029995	8993.102577	-0.651948949	0.14914212	-4.371326811	1.23494E-05	0.000884062	tnni2b.2	ZDB-GENE-040801-9	tnni2b.2
ENSDARG00000104172	587.6261748	-1.873905006	0.429959214	-4.358332008	1.31057E-05	0.000931626	diabloa	ZDB-GENE-040426-1303	diabloa
ENSDARG0000020645	132.314852	-0.82211986	0.188638503	-4.358176332	1.31151E-05	0.000931626	slc7a3a	ZDB-GENE-041114-206	slc7a3a
ENSDARG0000028322	154.4341073	-0.488740761	0.112197746	-4.356065782	1.32421E-05	0.000937031	pex14	ZDB-GENE-060130-169	pex14
ENSDARG00000092162	30.65475356	0.982656665	0.225889226	4.350170575	1.36032E-05	0.000958893	mhc1zaa	ZDB-GENE-030916-1	mhc1zaa
ENSDARG00000053761	17.19955178	1.209702973	0.278291163	4.34689683	1.38077E-05	0.000969597	si:dkey-187j14.4	ZDB-GENE-131119-26	si:dkey-187j14.4
ENSDARG00000032708	23.94890379	-0.936821597	0.215691114	-4.343348126	1.40327E-05	0.000981652	arl4cb	ZDB-GENE-040426-2382	arl4cb
ENSDARG00000055186	45.61122057	-1.040087657	0.239568036	-4.341512633	1.41505E-05	0.000986141	ccr9a	ZDB-GENE-060130-125	ccr9a
ENSDARG00000025671	37.36193141	0.912988579	0.210366532	4.339989693	1.42489E-05	0.000989253	grm6b	ZDB-GENE-021120-2	grm6b
ENSDARG00000043442	9.672388671	-2.218966323	0.512179866	-4.332396623	1.47495E-05	0.001020155	zgc:153665	ZDB-GENE-061027-365	zgc:153665
ENSDARG00000060051	123.0987004	-0.736956209	0.170416256	-4.324447831	1.52914E-05	0.001053371	slc47a2.1	ZDB-GENE-070112-1472	slc47a2.1
ENSDARG00000103642	2103.626207	1.706805955	0.394756982	4.323687819	1.53442E-05	0.001053371	pglyrp6	ZDB-GENE-071227-2	pglyrp6
ENSDARG00000028173	100.8387394	-0.777648386	0.180021535	-4.319751996	1.56205E-05	0.001068347	slc4a2a	ZDB-GENE-051101-2	slc4a2a
ENSDARG00000070484	185.8256424	-0.816831888	0.189298861	-4.315038578	1.59575E-05	0.001087356	zgc:195001	ZDB-GENE-081022-173	zgc:195001
ENSDARG00000103980	115.5619795	-0.781680014	0.181845708	-4.2985893	1.71889E-05	0.00116694	ets2	ZDB-GENE-050522-552	ets2
ENSDARG00000008835	5.383861129	17.08683111	3.976765671	4.296665312	1.73387E-05	0.001172782	si:dkey-46g23.5	ZDB-GENE-030131-9306	si:dkey-46g23.5
ENSDARG00000069498	13.38539347	-1.226733551	0.285564167	-4.295824516	1.74045E-05	0.001172925	phkg1b	ZDB-GENE-050522-52	phkg1b
ENSDARG00000011583	75.94517877	-0.81834279	0.190650661	-4.292367964	1.76778E-05	0.001186991	cry1b	ZDB-GENE-010426-3	cry1b
ENSDARG00000023058	71.12211815	0.541510411	0.126300549	4.287474723	1.80716E-05	0.001209022	foxo3a	ZDB-GENE-050116-1	foxo3a
ENSDARG00000028106	255.6589843	0.705571827	0.164775081	4.282029914	1.85196E-05	0.001234506	glrx	ZDB-GENE-041010-11	glrx
ENSDARG00000055412	43.67825506	-1.025641665	0.240563453	-4.263497437	2.01252E-05	0.00133669	mylk4b	ZDB-GENE-041001-128	mylk4b
ENSDARG00000005104	140.5162141	-0.469559759	0.110755754	-4.239596954	2.23921E-05	0.001481909	limk2	ZDB-GENE-040718-398	limk2
ENSDARG00000102048	50.30115692	-0.780107781	0.184673306	-4.224258493	2.39729E-05	0.001580835	slc25a43	ZDB-GENE-030616-69	slc25a43
ENSDARG00000076689	74.39031252	0.646856553	0.153338675	4.218482726	2.45952E-05	0.001616079	gramd1a	ZDB-GENE-060503-688	gramd1a
ENSDARG00000095486	5.762329285	24.39516378	5.798079387	4.207455978	2.58262E-05	0.001690925	CU467646.2		
ENSDARG00000006837	35.2380218	0.851217429	0.20248913	4.203768518	2.62507E-05	0.001712628	mycn	ZDB-GENE-020711-1	mycn
ENSDARG00000045444	73.01851394	0.777034314	0.184950173	4.201317048	2.65367E-05	0.001720354	fzd8a	ZDB-GENE-000328-3	fzd8a
ENSDARG00000001950	1128.068685	-0.561370828	0.133623114	-4.201150623	2.65562E-05	0.001720354	ak1	ZDB-GENE-040822-37	ak1
ENSDARG00000089302	185.4494855	0.390279952	0.092975152	4.197680187	2.69663E-05	0.001736071	hnrnpa0a	ZDB-GENE-030131-2249	hnrnpa0a
ENSDARG00000016570	144.2095526	-0.620636208	0.147858462	-4.197502112	2.69875E-05	0.001736071	prlra	ZDB-GENE-080103-2	prlra
ENSDARG00000012789	30.43651427	-0.870930896	0.208014319	-4.186879539	2.82816E-05	0.001812978	plek2	ZDB-GENE-080219-2	plek2
ENSDARG00000028804	135.6242268	-0.82348124	0.196853748	-4.183213426	2.87417E-05	0.001836078	ankrd9	ZDB-GENE-041114-3	ankrd9
ENSDARG00000037551	122.8325767	1.093164939	0.261403709	4.181902938	2.89079E-05	0.001840305	pm20d1.1	ZDB-GENE-051120-102	pm20d1.1
ENSDARG00000001879	200.0146341	-0.58425411	0.140192753	-4.167505791	3.07951E-05	0.001953682	nav2b	ZDB-GENE-061207-13	nav2b
ENSDARG00000033140	19.26124149	-1.159320001	0.279331333	-4.150339984	3.31982E-05	0.002098901	desi1a	ZDB-GENE-040426-1657	desi1a
ENSDARG00000053961	42.8396183	-0.91873304	0.221466153	-4.148412864	3.34788E-05	0.002107919	slc2a11a	ZDB-GENE-080723-20	slc2a11a
ENSDARG00000016200	62.77172492	-0.673855148	0.162461239	-4.147790278	3.357E-05	0.002107919	trib3	ZDB-GENE-040426-2609	trib3
ENSDARG00000077726	86.0476517	-1.171567119	0.283195123	-4.136960789	3.51936E-05	0.002202355	nocta	ZDB-GENE-050208-306	nocta
ENSDARG00000090228	425.3730049	0.877518836	0.212270658	4.133962012	3.56562E-05	0.00223741	gsta.1	ZDB-GENE-040426-2720	gsta.1
ENSDARG00000035327	15014.56052	-0.710772933	0.171988358	-4.132680511	3.58557E-05	0.002228625	ckma	ZDB-GENE-980526-109	ckma
ENSDARG00000108535	253.628981	-0.629840822	0.152473119	-4.130831888	3.61453E-05	0.00223906	CABZ01072077.1		
ENSDARG00000104470	89.02997551	-0.717490987	0.173868702	-4.126625317	3.68125E-05	0.002265759	syng2b	ZDB-GENE-070424-19	syng2b

ENSDARG00000045708	39.20718367	1.491308279	0.361392382	4.126562571	3.68226E-05	0.002265759	adm2a	ZDB-GENE-041210-100	adm2a
ENSDARG00000044642	501.2472026	1.121416233	0.271852975	4.125083542	3.706E-05	0.002272768	sc5d	ZDB-GENE-040912-56	sc5d
ENSDARG00000032618	63.10175182	0.710470954	0.172387441	4.121361462	3.7664E-05	0.002298298	mgst1.1	ZDB-GENE-041010-30	mgst1.1
ENSDARG00000022712	186.9385694	0.413501717	0.100340589	4.120981571	3.77262E-05	0.002298298	stat3	ZDB-GENE-980526-68	stat3
ENSDARG00000054978	175.347479	0.732237929	0.177794838	4.118443135	3.81441E-05	0.002316088	kifc3	ZDB-GENE-030131-3724	kifc3
ENSDARG00000057064	859.0098111	-0.774305155	0.188645305	-4.104555663	4.05093E-05	0.002449635	enpep	ZDB-GENE-050309-218	enpep
ENSDARG00000055514	80.7496699	-0.880971064	0.214662467	-4.103982757	4.06098E-05	0.002449635	icn2	ZDB-GENE-070822-9	icn2
ENSDARG00000098103	134.5789462	-0.616529931	0.150603094	-4.093740127	4.2447E-05	0.002552091	tefb	ZDB-GENE-050522-224	tefb
ENSDARG00000013623	3238.876094	-0.383293023	0.093759259	-4.088055162	4.35005E-05	0.002606911	vdac2	ZDB-GENE-030131-845	vdac2
ENSDARG00000006588	1011.927339	0.731109296	0.178908781	4.086491957	4.37945E-05	0.002613067	zgc:111983	ZDB-GENE-050417-335	zgc:111983
ENSDARG00000112575	43.94659766	-1.050649702	0.257134	-4.08600069	4.38872E-05	0.002613067	CU467905.1		
ENSDARG00000019541	697.8367496	-0.481591091	0.118014939	-4.080763811	4.4888E-05	0.002664027	gpt2l	ZDB-GENE-050302-11	gpt2l
ENSDARG00000025855	27.64847373	-0.95562822	0.234931283	-4.067692505	4.7481E-05	0.002806762	camk2n1a	ZDB-GENE-050522-319	camk2n1a
ENSDARG00000102335	45.75827611	-0.870710105	0.214085267	-4.067118284	4.75981E-05	0.002806762	ano1	ZDB-GENE-121127-3	ano1
ENSDARG00000036135	301.9568294	-0.804083098	0.197780225	-4.065538397	4.79217E-05	0.002816816	bbox1	ZDB-GENE-050417-218	bbox1
ENSDARG00000063917	17046.20636	-0.40462594	0.099592952	-4.062796921	4.84882E-05	0.002841039	mt-nd4	ZDB-GENE-011205-10	mt-nd4
ENSDARG00000039974	67.51163537	0.501566272	0.123488393	4.061647083	4.87277E-05	0.002846007	rai14	ZDB-GENE-040718-235	rai14
ENSDARG00000041294	44.08006646	0.913296461	0.2249776	4.059499534	4.9178E-05	0.002863218	noxo1a	ZDB-GENE-030131-9700	noxo1a
ENSDARG00000007753	14.15672699	1.05758721	0.26092905	4.053160092	5.05304E-05	0.002932676	cpne2	ZDB-GENE-030131-7896	cpne2
ENSDARG00000019808	212.9613834	-1.048598505	0.258905732	-4.050116993	5.1192E-05	0.002961733	evpla	ZDB-GENE-030829-19	evpla
ENSDARG00000076043	195.1909305	3.058773437	0.755455976	4.04891024	5.14567E-05	0.002967711	si:dkeyp-73d8.9	ZDB-GENE-070912-685	si:dkeyp-73d8.9
ENSDARG00000039211	1714.649052	-0.640159913	0.158151694	-4.04775882	5.17104E-05	0.002973024	zgc:77439	ZDB-GENE-031010-24	zgc:77439
ENSDARG00000101043	649.4205147	-0.717275004	0.17740927	-4.043052558	5.27598E-05	0.003023908	ppl	ZDB-GENE-041008-196	ppl
ENSDARG00000115817	13.85680544	23.40712735	5.793002698	4.040586302	5.33177E-05	0.003046397	si:dkey-46g23.2	ZDB-GENE-070705-476	si:dkey-46g23.2
ENSDARG00000088087	692.080737	-0.477892202	0.11831166	-4.039265464	5.36189E-05	0.003054117	kdm6ba	ZDB-GENE-091005-1	kdm6ba
ENSDARG00000099776	551.4279428	-0.859534123	0.213138662	-4.032746167	5.51288E-05	0.003130432	glula	ZDB-GENE-030131-688	glula
ENSDARG00000095400	18.25202848	-1.028585004	0.255229003	-4.030047496	5.57656E-05	0.003153112	si:ch73-52f15.5	ZDB-GENE-091204-341	si:ch73-52f15.5
ENSDARG00000058218	190.7421744	0.726989254	0.180412104	4.029603552	5.5871E-05	0.003153112	fam151a	ZDB-GENE-070705-105	fam151a
ENSDARG00000062788	33.96279158	2.693809695	0.668770218	4.028004872	5.62522E-05	0.003164916	irg1l	ZDB-GENE-061103-301	irg1l
ENSDARG00000052244	402.8425494	0.281230327	0.07028294	4.001402399	6.29682E-05	0.003530207	zgc:158564	ZDB-GENE-070112-1662	zgc:158564
ENSDARG00000035835	216.6337969	-0.452854142	0.113190877	-4.000800727	6.31285E-05	0.003530207	eef2k	ZDB-GENE-020916-2	eef2k
ENSDARG00000041359	61.13014717	0.495619573	0.123906328	3.999953699	6.33549E-05	0.00353213	zgc:161969	ZDB-GENE-030131-2597	zgc:161969
ENSDARG00000075017	61.13548985	-0.778445542	0.194847007	-3.995162936	6.46498E-05	0.003588457	myzap	ZDB-GENE-041111-91	myzap
ENSDARG00000017773	148.2050493	-0.758601174	0.189898274	-3.994776566	6.47553E-05	0.003588457	slc16a12a	ZDB-GENE-080721-24	slc16a12a
ENSDARG00000002293	3.556198957	-1.985458329	0.49798472	-3.986986448	6.69178E-05	0.003697161	si:ch211-197g15.6	ZDB-GENE-050208-457	si:ch211-197g15.6
ENSDARG00000099111	336.2677583	-0.791862198	0.198822906	-3.982751346	6.8122E-05	0.003752422	zgc:175280	ZDB-GENE-080219-39	zgc:175280
ENSDARG00000079946	210.1461034	1.585622404	0.399065244	3.973341275	7.08714E-05	0.003892215	sqlea	ZDB-GENE-071004-98	sqlea
ENSDARG00000069459	4.986634463	-1.527530408	0.385088731	-3.966697245	7.28755E-05	0.003990366	si:dkey-6n21.13	ZDB-GENE-160728-54	si:dkey-6n21.13
ENSDARG00000033160	498.1319466	-0.615769272	0.155651822	-3.956068508	7.61933E-05	0.004148659	nr1d1	ZDB-GENE-050105-1	nr1d1
ENSDARG00000012833	42.49523451	-0.863804466	0.218353377	-3.955993167	7.62173E-05	0.004148659	foxn3	ZDB-GENE-060512-39	foxn3
ENSDARG00000063912	29288.28351	-0.37058043	0.093768098	-3.952094973	7.747E-05	0.004204403	mt-co3	ZDB-GENE-011205-16	mt-co3
ENSDARG00000060668	32.31206977	0.642995616	0.163156069	3.940984977	8.11477E-05	0.004391046	tm4sf18	ZDB-GENE-050208-690	tm4sf18
ENSDARG00000099757	23.86613728	-0.929064357	0.236130929	-3.934530558	8.33595E-05	0.0044975	wdr47b	ZDB-GENE-121114-10	wdr47b



ENSDARG00000034105	131.4916812	-0.589936605	0.150054664	-3.931477966	8.44252E-05	0.004541683	mtus1b	ZDB-GENE-070619-5	mtus1b
ENSDARG00000058322	77.48477465	-0.531440522	0.135271024	-3.928709231	8.5403E-05	0.004580889	enc3	ZDB-GENE-030131-5742	enc3
ENSDARG00000054609	243.3966397	-0.576456259	0.146800043	-3.926812597	8.6079E-05	0.004603725	slco2b1	ZDB-GENE-051023-6	slco2b1
ENSDARG00000040565	18352.84411	-0.688885485	0.175554216	-3.924061177	8.70686E-05	0.004643154	ckmb	ZDB-GENE-040426-2128	ckmb
ENSDARG00000086272	10.44936076	-1.307740178	0.333574059	-3.92038932	8.8406E-05	0.00470085	si:dkey-4p15.5	ZDB-GENE-121214-193	si:dkey-4p15.5
ENSDARG00000030087	470.5393524	-0.611199239	0.155949132	-3.919221813	8.88353E-05	0.004710065	nfkbb	ZDB-GENE-070705-529	nfkbb
ENSDARG00000076127	5.959040061	-1.698707584	0.434036889	-3.913740119	9.08774E-05	0.004804492	gabbr1	ZDB-GENE-090313-230	gabbr1
ENSDARG00000078473	226.5966663	0.556959101	0.1424263	3.910507404	9.21024E-05	0.004855303	nucks1a	ZDB-GENE-040912-175	nucks1a
ENSDARG00000046098	121.6148152	1.510459334	0.387965481	3.893282798	9.88968E-05	0.005198578	ebp	ZDB-GENE-040718-12	ebp
ENSDARG00000031776	472.6294159	0.724091226	0.186141184	3.890010851	0.00010024	0.005252912	fthl27	ZDB-GENE-040718-72	fthl27
ENSDARG00000090900	109.6971046	-1.279157826	0.328884922	-3.889378137	0.000100501	0.005252912	apnl	ZDB-GENE-030131-8907	apnl
ENSDARG00000092551	5.668152371	-2.518899088	0.648700946	-3.882989691	0.00010318	0.005377633	si:dkey-56e3.2	ZDB-GENE-090313-316	si:dkey-56e3.2
ENSDARG00000055876	923.3286756	1.15214224	0.297159934	3.877178949	0.000105675	0.005492096	msmo1	ZDB-GENE-040426-2670	msmo1
ENSDARG00000052783	113.2932589	0.588916777	0.152160593	3.870363318	0.000108673	0.005632031	cdc42ep3	ZDB-GENE-040912-89	cdc42ep3
ENSDARG00000101362	68.95832242	-0.804493244	0.208060255	-3.866635862	0.000110347	0.005702708	mibp	ZDB-GENE-030404-1	mibp
ENSDARG00000077040	45.65391189	-0.567706085	0.147119494	-3.85880939	0.000113941	0.005871939	si:ch211-85n16.4	ZDB-GENE-030131-7043	si:ch211-85n16.4
ENSDARG00000075282	139.543891	-0.756080907	0.196012158	-3.85731638	0.000114639	0.005891406	irs2b	ZDB-GENE-081104-462	irs2b
ENSDARG00000038524	917.2853691	-0.467343266	0.121327353	-3.851920072	0.000117195	0.005998821	pik3r1	ZDB-GENE-030131-1280	pik3r1
ENSDARG00000075854	9.748358391	-1.172797989	0.304501655	-3.851532402	0.000117381	0.005998821	cx34.4	ZDB-GENE-040406-3	cx34.4
ENSDARG00000088762	7.59543125	-1.481827713	0.384847126	-3.850432062	0.00011791	0.006009145	si:ch211-224l10.4	ZDB-GENE-090312-125	si:ch211-224l10.4
ENSDARG00000002988	66.98560687	-0.996848528	0.259087519	-3.847535892	0.000119312	0.006063808	tnnt2d	ZDB-GENE-050626-97	tnnt2d
ENSDARG00000020086	28.33893851	-0.87454322	0.227399098	-3.845851757	0.000120134	0.006088794	nuak1a	ZDB-GENE-041210-122	nuak1a
ENSDARG00000077301	197.3617269	-0.690949927	0.179751443	-3.843918674	0.000121085	0.006110505	mlf1	ZDB-GENE-080917-7	mlf1
ENSDARG00000090814	48.20103479	-0.946378168	0.246219799	-3.843631472	0.000121227	0.006110505	si:dkey-18a10.3	ZDB-GENE-091204-174	si:dkey-18a10.3
ENSDARG00000115257	18.9305605	1.571095644	0.409818894	3.833633992	0.000126264	0.006347007	si:ch73-338o16.4	ZDB-GENE-131119-14	si:ch73-338o16.4
ENSDARG00000070434	21.36927845	0.819287851	0.213848478	3.831160542	0.00012754	0.006393693	rhov	ZDB-GENE-031002-10	rhov
ENSDARG00000013856	7064.840046	0.906598473	0.236811023	3.828362643	0.000128999	0.006449228	amy2a	ZDB-GENE-040426-2393	amy2a
ENSDARG00000071429	1199.382853	-0.490648936	0.128390976	-3.821521963	0.000132631	0.006612839	tdo2a	ZDB-GENE-030131-1187	tdo2a
ENSDARG00000051956	61.9025332	-0.54638509	0.143048731	-3.819573125	0.000133683	0.006647288	isca1	ZDB-GENE-050626-94	isca1
ENSDARG00000091061	387.079194	-0.578110106	0.15143531	-3.817538358	0.00013479	0.006684268	slc38a3b	ZDB-GENE-121120-3	slc38a3b
ENSDARG00000077540	20.1207012	1.088548892	0.285316069	3.815238639	0.000136051	0.006711816	f2rl1.2	ZDB-GENE-070615-24	f2rl1.2
ENSDARG00000076830	215.6169605	-1.625870275	0.426156438	-3.815195849	0.000136075	0.006711816	si:dkey-65b12.6	ZDB-GENE-060526-329	si:dkey-65b12.6
ENSDARG00000020258	194.3883028	0.433324782	0.113618651	3.81385255	0.000136817	0.006730378	ewsr1a	ZDB-GENE-030131-2317	ewsr1a
ENSDARG00000045414	2233.201505	0.759741775	0.199392683	3.810279113	0.00013881	0.006810203	elovl2	ZDB-GENE-060421-5612	elovl2
ENSDARG00000037398	13.82232233	-1.282601662	0.336698394	-3.809348914	0.000139333	0.006817693	zgc:113229	ZDB-GENE-050417-475	zgc:113229
ENSDARG00000054510	66.80564781	-0.734176985	0.192824183	-3.807494341	0.000140382	0.006848749	adrb2b	ZDB-GENE-070410-32	adrb2b
ENSDARG00000062460	64.43505207	-0.518195198	0.136146956	-3.806146038	0.000141149	0.006848749	sgk3	ZDB-GENE-070424-62	sgk3
ENSDARG00000034470	1706.75835	-0.56048952	0.147265328	-3.805984249	0.000141241	0.006848749	aldoab	ZDB-GENE-040426-2299	aldoab
ENSDARG00000069630	882.3899949	0.650256584	0.170891936	3.805074714	0.000141761	0.006848749	tat	ZDB-GENE-030131-1144	tat
ENSDARG00000098375	267.3144557	-0.445990907	0.117213146	-3.804956362	0.000141829	0.006848749	polr1a	ZDB-GENE-030131-5286	polr1a
ENSDARG00000046012	157.4170944	-0.679044297	0.17904155	-3.792663204	0.00014904	0.007178121	slc47a1	ZDB-GENE-050327-20	slc47a1
ENSDARG00000078638	15.44667221	18.54358324	4.903093665	3.782016928	0.000155563	0.0074727	zgc:171750	ZDB-GENE-071004-30	zgc:171750
ENSDARG00000075369	68.10259394	0.446603586	0.118178711	3.779052784	0.000157426	0.007542512	nck1b	ZDB-GENE-090317-1	nck1b

ENSDARG00000041797	1278.06918	-0.485078934	0.128409747	-3.777586565	0.000158355	0.007567335	cx28.9	ZDB-GENE-041114-200	cx28.9
ENSDARG00000067851	57.08642536	-0.749979086	0.199148179	-3.765934951	0.000165927	0.007908613	lcn15	ZDB-GENE-060825-349	lcn15
ENSDARG00000027611	169.1033194	-0.447086089	0.118889756	-3.760509771	0.000169567	0.00804099	cavin2a	ZDB-GENE-090313-215	cavin2a
ENSDARG000000094112	79.60357397	-0.525487492	0.139738968	-3.76049357	0.000169578	0.00804099	slc22a21	ZDB-GENE-091118-62	slc22a21
ENSDARG00000054160	28.76743761	1.016843766	0.270666043	3.756820608	0.000172086	0.008138905	zgc:113625	ZDB-GENE-050320-47	zgc:113625
ENSDARG00000063921	15872.43767	-0.439025365	0.116932609	-3.754516116	0.000173677	0.008193086	mt-nd5	ZDB-GENE-011205-12	mt-nd5
ENSDARG00000054937	43.74539169	-0.569090522	0.15160653	-3.75373357	0.00017422	0.008197699	badb	ZDB-GENE-000616-1	badb
ENSDARG00000079416	49.8269868	-1.132855253	0.302090701	-3.750050068	0.000176799	0.008297839	zgc:174895	ZDB-GENE-070928-41	zgc:174895
ENSDARG00000092872	43.1242304	-0.759753076	0.202893093	-3.744598028	0.000180683	0.008458531	upk3b	ZDB-GENE-060526-348	upk3b
ENSDARG00000074248	15.0397035	-0.900724942	0.240670817	-3.74255987	0.000182155	0.008505812	tmem237b	ZDB-GENE-040912-63	tmem237b
ENSDARG00000074120	83.14815919	-0.688141488	0.183922333	-3.741478692	0.000182941	0.0085107	usp2b	ZDB-GENE-100208-2	usp2b
ENSDARG00000070964	239.3365322	1.03165706	0.27575983	3.741143372	0.000183185	0.0085107	si:rp71-15k1.1	ZDB-GENE-030131-1113	si:rp71-15k1.1
ENSDARG00000012199	111.2853656	-0.713233376	0.190704818	-3.739986135	0.00018403	0.008528442	gpt2	ZDB-GENE-030729-8	gpt2
ENSDARG00000032272	16.59558397	-0.897979887	0.240455896	-3.734488955	0.000188097	0.008694228	sat1b	ZDB-GENE-041001-39	sat1b
ENSDARG00000079745	375.7145657	-0.419923924	0.112463178	-3.73387922	0.000188553	0.008694228	si:ch211-166a6.5	ZDB-GENE-030131-9913	si:ch211-166a6.5
ENSDARG00000070542	73.1423772	-0.724778563	0.194273931	-3.73070416	0.000190945	0.008782531	mafbb	ZDB-GENE-010605-4	mafbb
ENSDARG00000059923	76.58200978	-0.602969456	0.161674532	-3.729526536	0.00019184	0.008801672	slc25a47a	ZDB-GENE-060616-266	slc25a47a
ENSDARG00000044601	1236.869207	-0.317756623	0.085254116	-3.727170468	0.000193641	0.008862229	rtn4a	ZDB-GENE-030710-1	rtn4a
ENSDARG00000003411	30.15854096	-0.814441659	0.218698485	-3.724038879	0.000196061	0.008950682	foxa2	ZDB-GENE-980526-404	foxa2
ENSDARG00000009242	14.38497049	-1.000819245	0.269941063	-3.707547242	0.000209276	0.009521881	fev	ZDB-GENE-070112-1852	fev
ENSDARG00000095434	14.43394992	-1.467885013	0.395984998	-3.706920773	0.000209795	0.009521881	si:ch211-217k17.8	ZDB-GENE-031010-46	si:ch211-217k17.8
ENSDARG00000056141	226.4510902	-0.39336476	0.106128162	-3.706506843	0.000210138	0.009521881	coq10b	ZDB-GENE-050417-263	coq10b
ENSDARG00000020893	392.0596123	0.340695526	0.091943761	3.70547739	0.000210993	0.009521881	slc25a55a	ZDB-GENE-040426-2745	slc25a55a
ENSDARG00000098663	16.1497657	-4.366856471	1.178550794	-3.705276424	0.00021116	0.009521881	fgf19	ZDB-GENE-030729-32	fgf19
ENSDARG00000023176	338.43088	-1.068223653	0.288374592	-3.704291856	0.000211982	0.009535566	tdo2b	ZDB-GENE-030131-6014	tdo2b
ENSDARG00000078619	539.8285291	-0.970697928	0.262727933	-3.694688704	0.000220156	0.009879113	pnp5a	ZDB-GENE-040426-2553	pnp5a
ENSDARG00000078430	81.92267717	-0.587279872	0.159070409	-3.69194921	0.000222542	0.009961864	tiam1a	ZDB-GENE-080325-1	tiam1a
ENSDARG00000019417	59.63933557	-0.976327243	0.26464591	-3.689183197	0.000224975	0.010046343	gadd45ga	ZDB-GENE-040426-1882	gadd45ga
ENSDARG00000022615	167.3912952	-0.935772254	0.254352899	-3.679031209	0.000234122	0.010429466	si:ch211-241e1.3	ZDB-GENE-030131-230	si:ch211-241e1.3
ENSDARG00000007264	50.85467298	-0.654558084	0.178060077	-3.676051901	0.000236871	0.010526471	nipsnap2	ZDB-GENE-991008-18	nipsnap2
ENSDARG00000076381	306.7560263	-0.479838173	0.130693522	-3.671476335	0.000241153	0.010690941	slc25a1b	ZDB-GENE-130114-1	slc25a1b
ENSDARG00000036636	27.29801382	0.979562544	0.267879034	3.656734645	0.000255449	0.011297459	ebpl	ZDB-GENE-030616-542	ebpl
ENSDARG00000086283	58.83684127	-0.665720921	0.182092323	-3.655952711	0.000256229	0.011304781	cnsta	ZDB-GENE-120917-3	cnsta
ENSDARG00000003869	122.8734465	-0.380743097	0.104232308	-3.652831875	0.000259364	0.011415741	decr1	ZDB-GENE-040718-142	decr1
ENSDARG00000041787	662.8261113	-0.532391991	0.145835999	-3.650621208	0.000261607	0.011486974	cx32.3	ZDB-GENE-030131-1337	cx32.3
ENSDARG00000061143	51.58305062	-0.536563192	0.14701821	-3.64963764	0.00026261	0.01150359	tapt1b	ZDB-GENE-030131-4025	tapt1b
ENSDARG00000014966	50.86910958	0.501801296	0.137655274	3.645347402	0.000267031	0.011669438	ccdc82	ZDB-GENE-030131-5749	ccdc82
ENSDARG00000028517	54.84244944	-0.802918651	0.221191852	-3.629964867	0.00028346	0.012358041	hbp1	ZDB-GENE-050522-414	hbp1
ENSDARG00000023958	22.04264591	0.673524356	0.185654344	3.627840541	0.000285802	0.012430684	rnf181	ZDB-GENE-040426-1024	rnf181
ENSDARG00000028017	83.36313864	-1.296449322	0.357638885	-3.625023387	0.000288935	0.012537339	tp53inp1	ZDB-GENE-031018-3	tp53inp1
ENSDARG00000059166	37.14749392	-0.676562024	0.186710596	-3.623586653	0.000290546	0.012577557	slc22a13b	ZDB-GENE-061013-532	slc22a13b
ENSDARG00000011240	19.64636802	-1.537196553	0.424302461	-3.622879179	0.000291342	0.012582415	dhrs13a.2	ZDB-GENE-040912-69	dhrs13a.2
ENSDARG000000091574	130.1900112	-0.415019076	0.114708368	-3.618036636	0.000296846	0.012790117	suox	ZDB-GENE-070718-3	suox

ENSDARG00000036414	495.7396749	-0.519641499	0.143707856	-3.615957504	0.000299239	0.012863102	si:ch73-335i21.1	ZDB-GENE-130530-591	si:ch73-335i21.1
ENSDARG00000055118	175.969061	-0.641575404	0.177509235	-3.614321272	0.000301135	0.01291443	mylipb	ZDB-GENE-061027-67	mylipb
ENSDARG00000013775	66.52026203	-0.687280574	0.19030023	-3.611559348	0.000304361	0.013022421	si:dkey-246g23.4	ZDB-GENE-050419-234	si:dkey-246g23.4
ENSDARG00000018921	32.75222668	-0.684894099	0.189848538	-3.607581636	0.000309064	0.013192959	fam84a	ZDB-GENE-040426-1247	fam84a
ENSDARG000000061120	2356.158144	-0.630931297	0.174962205	-3.606100518	0.000310833	0.013237735	slc43a2b	ZDB-GENE-041212-6	slc43a2b
ENSDARG00000044365	329.8302318	0.670807002	0.186316594	3.600361012	0.000317776	0.013502163	angptl3	ZDB-GENE-010817-3	angptl3
ENSDARG00000010572	306.5762937	-1.070895493	0.297868639	-3.595193835	0.00032415	0.013733466	slc25a25a	ZDB-GENE-040426-2396	slc25a25a
ENSDARG00000038583	150.7398641	-0.659748914	0.183531611	-3.594742677	0.000324712	0.013733466	abraa	ZDB-GENE-120730-1	abraa
ENSDARG00000056587	22.98020697	-1.333080102	0.371311314	-3.590195217	0.00033043	0.013920663	cyp2r1	ZDB-GENE-110114-1	cyp2r1
ENSDARG00000094041	498.6125317	-0.625183548	0.17414483	-3.59002072	0.000330652	0.013920663	krt17	ZDB-GENE-060503-86	krt17
ENSDARG00000078280	3.186396629	-2.936865955	0.819010736	-3.585869911	0.000335956	0.01410235	nkx3-1	ZDB-GENE-081104-238	nkx3-1
ENSDARG00000012972	366.6342714	-0.458627298	0.127913532	-3.585447843	0.0003365	0.01410235	cfll1	ZDB-GENE-040426-2770	cfll1
ENSDARG00000006601	38.04636147	0.583597883	0.162997831	3.580402762	0.000343065	0.014344795	kaznb	ZDB-GENE-061215-31	kaznb
ENSDARG00000042641	1220.751735	1.206981865	0.338071392	3.570198167	0.000356711	0.014881573	cyp51	ZDB-GENE-040625-2	cyp51
ENSDARG00000041602	42.29408662	-0.533587355	0.14954634	-3.568040223	0.000359661	0.014970698	zgc:92335	ZDB-GENE-040718-152	zgc:92335
ENSDARG00000095005	11.38085897	1.465124528	0.410837928	3.566186146	0.000362214	0.015042925	si:dkey-21e2.10	ZDB-GENE-050208-778	si:dkey-21e2.10
ENSDARG00000060435	17.50891289	-0.874834899	0.245544634	-3.562834523	0.000366872	0.01520205	bnip1	ZDB-GENE-060503-81	bnip1
ENSDARG00000092660	51.32585935	0.64069729	0.17987148	3.561972632	0.000368079	0.015217782	cyp27c1	ZDB-GENE-080204-68	cyp27c1
ENSDARG00000008019	10.89456247	-2.509352187	0.708834392	-3.540110661	0.000399959	0.016484572	mxg	ZDB-GENE-030721-10	mxg
ENSDARG00000033307	277.0415221	-0.56221206	0.158828327	-3.539746784	0.000400511	0.016484572	igf2b	ZDB-GENE-030131-2935	igf2b
ENSDARG00000079104	53.51861546	0.430556867	0.121843572	3.533685524	0.000409808	0.016829585	mfhas1	ZDB-GENE-080917-20	mfhas1
ENSDARG00000060498	13.56965007	1.040935966	0.294690549	3.532301835	0.000411959	0.01688022	tnfrsf9a	ZDB-GENE-060421-8213	tnfrsf9a
ENSDARG00000078093	12.54306355	1.206936049	0.341765858	3.531470506	0.000413256	0.01689574	zgc:172065	ZDB-GENE-080214-2	zgc:172065
ENSDARG00000094857	79.91667923	-0.972799925	0.275666665	-3.528899389	0.000417292	0.01699526	dio2	ZDB-GENE-030327-4	dio2
ENSDARG00000019236	137.1185374	0.536023997	0.151902228	3.528743482	0.000417538	0.01699526	gsr	ZDB-GENE-050522-116	gsr
ENSDARG00000079340	39.03727353	-0.630275482	0.1787234	-3.52654147	0.000421025	0.017099386	slc47a4	ZDB-GENE-130530-865	slc47a4
ENSDARG00000104919	20.88426764	2.569509268	0.729303465	3.523237432	0.000426309	0.017275854	si:ch211-153b23.3	ZDB-GENE-141216-408	si:ch211-153b23.3
ENSDARG00000106212	45.93512782	-1.099285312	0.312219607	-3.520872126	0.00043013	0.017392377	LO017965.1		
ENSDARG00000116617	140.6580518	-0.562349247	0.159869694	-3.517547519	0.000435554	0.01757309	spaca4l	ZDB-GENE-101011-2	spaca4l
ENSDARG00000079618	22.00599595	0.814157786	0.231612257	3.51517573	0.000439463	0.017691995	sik2a	ZDB-GENE-070705-451	sik2a
ENSDARG00000044356	113.8995464	-0.589625188	0.16838077	-3.501737086	0.000462236	0.018568142	tp63	ZDB-GENE-030819-1	tp63
ENSDARG00000032919	211.5032937	-0.343742774	0.098180033	-3.501147473	0.000463259	0.018568729	chchd3a	ZDB-GENE-030131-5005	chchd3a
ENSDARG00000114503	28.36675513	-0.817968098	0.233714883	-3.49985456	0.000465512	0.018618459	phtf2	ZDB-GENE-040711-4	phtf2
ENSDARG00000091592	33.32938653	-0.93074579	0.265986204	-3.499225811	0.000466611	0.018621938	pel1a	ZDB-GENE-110310-6	pel1a
ENSDARG00000099336	107.5583716	1.555439218	0.444752821	3.497311645	0.000469972	0.018715483	mvda	ZDB-GENE-041114-127	mvda
ENSDARG00000059824	39.90990609	-1.597557416	0.457257863	-3.493777897	0.000476237	0.018875205	soat2	ZDB-GENE-061013-742	soat2
ENSDARG00000040764	306.6687074	0.439939714	0.125932118	3.49346714	0.000476792	0.018875205	id1	ZDB-GENE-990415-96	id1
ENSDARG00000054906	57.63375135	0.520520037	0.149004555	3.493316287	0.000477061	0.018875205	ier5l	ZDB-GENE-030131-5134	ier5l
ENSDARG00000012078	217.6691294	0.270137623	0.077350782	3.492370945	0.000478753	0.018901492	meis1b	ZDB-GENE-020122-1	meis1b
ENSDARG00000071005	100.020493	-0.886447018	0.253935651	-3.490833266	0.000481517	0.0189699	ppp1r3ca	ZDB-GENE-040718-70	ppp1r3ca
ENSDARG00000052470	316.8740193	-0.482875146	0.13835962	-3.490000529	0.00048302	0.01898845	igfbp2a	ZDB-GENE-000125-12	igfbp2a
ENSDARG00000011797	59.74324137	-0.531502302	0.152461761	-3.486135131	0.000490053	0.019223885	tent5bb	ZDB-GENE-060503-431	tent5bb
ENSDARG00000010610	21.54003487	-0.785619077	0.225694693	-3.480892997	0.000499745	0.019533227	sarm1	ZDB-GENE-040219-1	sarm1

ENSDARG00000075521	137.4276146	0.337597544	0.09699124	3.480701389	0.000500103	0.019533227	cpz	ZDB-GENE-090313-267	cpz
ENSDARG00000005840	343.5433007	-0.385335201	0.110723582	-3.480154764	0.000501124	0.019533227	got2b	ZDB-GENE-030131-7917	got2b
ENSDARG00000003795	1325.434694	-0.384045977	0.110505141	-3.475367498	0.000510154	0.019843155	idh2	ZDB-GENE-031118-95	idh2
ENSDARG000000087186	120.2696626	-0.530852801	0.152898498	-3.471929473	0.000516732	0.020027117	si:ch211-232b12.5	ZDB-GENE-031002-40	si:ch211-232b12.5
ENSDARG000000030107	291.8482929	-0.535480997	0.154239111	-3.471758846	0.000517061	0.020027117	si:ch211-207i1.2	ZDB-GENE-041014-149	si:ch211-207i1.2
ENSDARG00000015164	628.6450649	-0.528595569	0.152299334	-3.470767435	0.000518973	0.020058971	mknk2b	ZDB-GENE-030829-2	mknk2b
ENSDARG00000041078	286.4876912	0.469534988	0.135318316	3.469855403	0.000520739	0.020085009	chka	ZDB-GENE-050208-149	chka
ENSDARG00000104924	7.891083289	-1.591650194	0.459305452	-3.465341389	0.000529559	0.020382474	BX072577.1		
ENSDARG00000098821	58.83515802	-0.562717958	0.162448642	-3.463974533	0.000532257	0.020443554	sec14l1	ZDB-GENE-040426-801	sec14l1
ENSDARG00000099510	271.4437161	0.332002928	0.095918866	3.461289116	0.000537595	0.020605573	cnn3a	ZDB-GENE-030131-5130	cnn3a
ENSDARG00000045051	26.51522229	-1.234394735	0.3567685	-3.459931961	0.000540312	0.020666649	slc16a3	ZDB-GENE-030131-5487	slc16a3
ENSDARG00000061660	43.69829957	-0.724340918	0.209417719	-3.458832999	0.000542521	0.020708101	CABZ01055347.1		
ENSDARG00000055973	4.059680521	20.10090956	5.813730379	3.457489125	0.000545234	0.020768571	zar1l	ZDB-GENE-060810-119	zar1l
ENSDARG00000028431	95.50666689	0.40551764	0.117364271	3.45520521	0.000549874	0.020882194	adnp2b	ZDB-GENE-030131-5930	adnp2b
ENSDARG00000007080	56.1957861	-0.697476002	0.20187995	-3.454904768	0.000550487	0.020882194	rhcg1l	ZDB-GENE-060209-2	rhcg1l
ENSDARG00000026925	101.605054	1.302556843	0.377266493	3.452617358	0.000555176	0.021016721	nos2a	ZDB-GENE-040305-1	nos2a
ENSDARG00000040002	81.32745143	-0.698898027	0.202956315	-3.443588475	0.000574049	0.021686548	pnpla7b	ZDB-GENE-050309-66	pnpla7b
ENSDARG00000016439	61.25759538	-0.593255833	0.172460477	-3.43995241	0.000581816	0.021934958	slc7a1	ZDB-GENE-091116-69	slc7a1
ENSDARG00000006257	95.68347979	0.565951651	0.164783001	3.434526906	0.000593589	0.022325352	vldlr	ZDB-GENE-040426-803	vldlr
ENSDARG00000023151	8015.287487	-0.622940618	0.181400282	-3.434066425	0.000594598	0.022325352	ucp1	ZDB-GENE-010503-1	ucp1
ENSDARG00000062271	16.58873165	-0.87191634	0.253991152	-3.432861082	0.000597248	0.022379163	slc25a15b	ZDB-GENE-060526-35	slc25a15b
ENSDARG00000101062	95.57808635	0.880683034	0.256755575	3.430044446	0.000603482	0.022566807	fdft1	ZDB-GENE-081104-242	fdft1
ENSDARG00000032197	30.44438066	-0.673865942	0.196725712	-3.425408579	0.000613875	0.022908887	klf12b	ZDB-GENE-071004-22	klf12b
ENSDARG00000012021	114.2964594	-0.375711296	0.109790325	-3.422080202	0.00062144	0.02314423	kdsr	ZDB-GENE-040426-853	kdsr
ENSDARG00000076895	75.79404621	0.448489534	0.131103889	3.420871329	0.000624209	0.023200382	flrt3	ZDB-GENE-030131-1988	flrt3
ENSDARG00000061416	6.653952148	1.302310209	0.380993012	3.418199728	0.000630368	0.023373732	c2cd4a	ZDB-GENE-030131-5712	c2cd4a
ENSDARG00000110991	56.7862377	-0.683369051	0.199947124	-3.417748839	0.000631413	0.023373732	ZNF276	ZDB-GENE-070209-176	zgc:158366
ENSDARG00000104387	80.84747029	-0.827371185	0.24225156	-3.415338939	0.000637027	0.023534179	si:ch211-48m9.1	ZDB-GENE-060531-64	si:ch211-48m9.1
ENSDARG00000035859	214.2492411	-0.595120692	0.174548533	-3.409485488	0.000650855	0.0239865	angptl4	ZDB-GENE-041111-222	angptl4
ENSDARG00000037099	84.99516129	-1.411462149	0.414044163	-3.408965217	0.000652098	0.0239865	irs2a	ZDB-GENE-040426-975	irs2a
ENSDARG00000076533	103.9223739	0.422698667	0.124025433	3.408161189	0.000654022	0.0239865	nfe2l1b	ZDB-GENE-120319-2	nfe2l1b
ENSDARG00000040890	333.4751576	1.203554189	0.353158877	3.407968108	0.000654485	0.0239865	fdps	ZDB-GENE-050506-78	fdps
ENSDARG00000026376	741.2771352	0.770807091	0.226424345	3.404258895	0.000663438	0.024266282	aco1	ZDB-GENE-031118-76	aco1
ENSDARG00000052734	3512.696898	0.717964615	0.21105257	3.401828338	0.000669367	0.02443454	hmgcra	ZDB-GENE-040401-2	hmgcra
ENSDARG00000030289	16.99897014	0.766888259	0.225498	3.400865019	0.00067173	0.02447225	jag1a	ZDB-GENE-011128-2	jag1a
ENSDARG00000079011	269.0853137	-0.683501897	0.201076638	-3.399210883	0.000675806	0.024572088	col17a1b	ZDB-GENE-030131-7145	col17a1b
ENSDARG00000077101	73.18274016	0.370677354	0.109116808	3.39706925	0.000681117	0.024716362	zbtb10	ZDB-GENE-030429-10	zbtb10
ENSDARG00000024167	3.749712147	1.688096606	0.498123397	3.388912499	0.000701704	0.025413287	kcnh1a	ZDB-GENE-061226-1	kcnh1a
ENSDARG00000018478	1006.943139	-0.618671036	0.183184587	-3.377309445	0.000731987	0.026412525	agxtb	ZDB-GENE-010302-3	agxtb
ENSDARG00000006508	48.35903072	-0.699357952	0.207079606	-3.377242055	0.000732166	0.026412525	pip5k1bb	ZDB-GENE-040912-141	pip5k1bb
ENSDARG00000055158	162.5197521	-0.513214755	0.152054065	-3.375212324	0.000737588	0.026556041	prox1a	ZDB-GENE-980526-397	prox1a
ENSDARG00000042620	1601.330862	0.396562159	0.117634252	3.371145317	0.000748564	0.02689858	gstr	ZDB-GENE-090507-1	gstr
ENSDARG000000069640	12.59147376	0.750975448	0.222912856	3.368919414	0.000754635	0.027063884	vegfc	ZDB-GENE-040303-4	vegfc

ENSDARG00000087289	7.720179158	-1.090970166	0.324028173	-3.366899109	0.000760185	0.027209888	zgc:66473	ZDB-GENE-030131-5708	zgc:66473
ENSDARG00000077169	33.60946535	1.85457007	0.552281865	3.3580137	0.000785047	0.02804524	si:ch211-153b23.4	ZDB-GENE-030131-7332	si:ch211-153b23.4
ENSDARG00000091119	14.81946284	-0.976216971	0.290947218	-3.355306082	0.000792772	0.028266322	fbxo40.2	ZDB-GENE-120215-105	fbxo40.2
ENSDARG00000109946	5.689131776	1.254986163	0.374481437	3.351264008	0.000804436	0.028626708	BX005027.2		
ENSDARG00000012269	21.45097645	0.734704801	0.21952366	3.346813735	0.000817461	0.029034075	clcn1b	ZDB-GENE-100921-11	clcn1b
ENSDARG00000057652	482.4642488	-0.44305941	0.132420726	-3.345846413	0.000820318	0.029079411	dbpb	ZDB-GENE-100922-6	dbpb
ENSDARG00000013946	92.34589176	-0.534199139	0.15978498	-3.343237523	0.00082807	0.02929775	ivns1abpb	ZDB-GENE-030131-6266	ivns1abpb
ENSDARG00000074624	343.0883167	0.223284216	0.066829465	3.34110434	0.000834459	0.029454516	si:ch211-198a12.6	ZDB-GENE-030131-1683	si:ch211-198a12.6
ENSDARG00000061682	36.81543255	-0.535788821	0.160382648	-3.340690705	0.000835703	0.029454516	bicc1a	ZDB-GENE-101223-3	bicc1a
ENSDARG00000094132	38.95886112	-0.809955835	0.242519852	-3.339750664	0.000838536	0.029468474	igf1	ZDB-GENE-010607-2	igf1
ENSDARG00000061294	304.3669451	0.297601904	0.089115783	3.339497147	0.000839302	0.029468474	arhgap5	ZDB-GENE-081014-1	arhgap5
ENSDARG00000043843	79.30380305	0.560982323	0.168019661	3.338789753	0.000841442	0.029473595	akap7	ZDB-GENE-040724-128	akap7
ENSDARG00000094210	30.23080152	0.88863131	0.266185539	3.338390629	0.000842652	0.029473595	fthl31	ZDB-GENE-050522-428	fthl31
ENSDARG00000008886	10.26923995	1.092130333	0.327314274	3.336641328	0.000847973	0.029569732	msx1b	ZDB-GENE-980526-26	msx1b
ENSDARG000000105117	163.919884	-0.51165455	0.153353854	-3.336430979	0.000848615	0.029569732	sdad1	ZDB-GENE-021213-1	sdad1
ENSDARG00000001621	16.99557163	0.705863914	0.211662584	3.334854471	0.000853441	0.029681661	nfyal	ZDB-GENE-040718-491	nfyal
ENSDARG00000052705	30.60759956	-1.669815104	0.501333754	-3.33074542	0.000866138	0.03006642	pkp1b	ZDB-GENE-030131-417	pkp1b
ENSDARG00000076848	107.3876057	0.939534596	0.282168359	3.329695078	0.000869411	0.030123221	zgc:112492	ZDB-GENE-050417-143	zgc:112492
ENSDARG00000035415	10.20306981	-1.004853429	0.30186365	-3.328832164	0.000872109	0.030159904	ptger4b	ZDB-GENE-060531-102	ptger4b
ENSDARG00000060196	45.09951733	-0.53768317	0.161651777	-3.326181617	0.000880445	0.030391059	lhpp	ZDB-GENE-070615-43	lhpp
ENSDARG00000088689	9.457821373	-3.530266579	1.061608617	-3.325393674	0.000882938	0.030420015	si:ch211-201o1.1	ZDB-GENE-120709-60	si:ch211-201o1.1
ENSDARG00000097057	104.2327154	-0.508718731	0.153303511	-3.31837626	0.000905424	0.031136441	fxyd6l	ZDB-GENE-071205-8	fxyd6l
ENSDARG00000100095	132.2290987	-0.609390516	0.183915097	-3.313433894	0.000921579	0.031632852	anxa1b	ZDB-GENE-030131-6554	anxa1b
ENSDARG000000102554	8.461935489	-1.08218615	0.32675884	-3.311880251	0.000926712	0.03174981	zgc:112433	ZDB-GENE-050417-294	zgc:112433
ENSDARG00000070047	135.6472233	0.458297774	0.138523802	3.308440613	0.000938171	0.032082651	rgs4	ZDB-GENE-030131-9839	rgs4
ENSDARG00000001234	36.03042143	-0.729710893	0.220675672	-3.306712006	0.000943979	0.032221379	map4k2	ZDB-GENE-030616-163	map4k2
ENSDARG00000074168	280.8661395	-0.293523452	0.088796257	-3.305583622	0.000947788	0.032291494	tasor2	ZDB-GENE-041111-225	tasor2
ENSDARG00000011618	101.6020293	-0.731132662	0.221333792	-3.303303381	0.00095553	0.032492101	slc26a2	ZDB-GENE-030717-3	slc26a2
ENSDARG00000035459	41.75689638	-0.526581827	0.159434435	-3.302811135	0.000957208	0.032492101	spns3	ZDB-GENE-060531-7	spns3
ENSDARG00000032816	131.045699	0.703341381	0.213026375	3.301663375	0.000961133	0.032565254	tm7sf2	ZDB-GENE-041212-19	tm7sf2
ENSDARG00000025375	1213.393134	0.541029416	0.163946792	3.300030512	0.000966743	0.032695112	idh1	ZDB-GENE-031006-1	idh1
ENSDARG00000016687	546.0483033	-0.364025366	0.110391293	-3.297591286	0.00097518	0.032919919	acadvl	ZDB-GENE-030131-899	acadvl
ENSDARG00000037359	42.41891078	-0.692861404	0.21051886	-3.291208229	0.00099758	0.03361444	si:ch1073-272o11.3	ZDB-GENE-121214-325	si:ch1073-272o11.3
ENSDARG00000099554	93.01385298	-0.376427332	0.114433539	-3.289484304	0.001003712	0.033759205	sec16b	ZDB-GENE-050208-274	sec16b
ENSDARG00000036171	222.8250503	-0.772671652	0.235015083	-3.287753464	0.001009902	0.033905444	rnasel3	ZDB-GENE-050809-5	rnasel3
ENSDARG00000074652	21.26460409	-0.751270968	0.228597775	-3.286431676	0.001014654	0.034002917	smtna	ZDB-GENE-091204-245	smtna
ENSDARG00000056331	219.5579654	-0.345286197	0.105089094	-3.285652055	0.001017466	0.034035166	ahcyl1	ZDB-GENE-021206-7	ahcyl1
ENSDARG00000117001	155.3562639	-0.816526144	0.249348031	-3.274644441	0.00105795	0.035325175	CABZ01086812.1		
ENSDARG00000007836	644.5799523	-0.382668334	0.116986413	-3.271049379	0.001071492	0.035682613	ctsla	ZDB-GENE-030131-106	ctsla
ENSDARG00000009544	107.0205051	-0.612483539	0.187260566	-3.270755568	0.001072606	0.035682613	cldnb	ZDB-GENE-010328-2	cldnb
ENSDARG00000078328	40.98367707	-0.460395339	0.14078234	-3.270263429	0.001074474	0.035682613	sec22a	ZDB-GENE-030131-3553	sec22a
ENSDARG00000035506	53.51146273	-0.555428142	0.169878679	-3.269557705	0.001077158	0.035707291	entpd2a.1	ZDB-GENE-040724-187	entpd2a.1
ENSDARG00000078992	361.6250766	0.313531769	0.095943751	3.267870663	0.001083599	0.035856204	wnk1a	ZDB-GENE-080917-49	wnk1a

ENSDARG00000055226	141.1960412	-0.628307919	0.192320635	-3.266981308	0.001087009	0.035904459	slc7a7	ZDB-GENE-051127-5	slc7a7
ENSDARG00000070892	577.1062886	-0.45220773	0.138468787	-3.265773755	0.001091654	0.03599329	si:ch211-262h13.5	ZDB-GENE-050208-372	si:ch211-262h13.5
ENSDARG00000031664	13.58565664	1.21782996	0.37318863	3.263309391	0.001101192	0.03624282	sox21a	ZDB-GENE-990715-6	sox21a
ENSDARG00000017038	24.02028202	-1.774318743	0.543861196	-3.262447764	0.001104545	0.036288257	zgc:152670	ZDB-GENE-060929-954	zgc:152670
ENSDARG00000043257	1250.704529	0.374125084	0.114786926	3.25930049	0.001116873	0.03658957	ckbb	ZDB-GENE-020103-2	ckbb
ENSDARG00000056619	38.63237082	0.480124771	0.14731857	3.259091985	0.001117694	0.03658957	arhgap42a	ZDB-GENE-030131-8077	arhgap42a
ENSDARG00000088048	20.39263175	0.722977666	0.221983787	3.256894006	0.001126385	0.036808576	fgf18a	ZDB-GENE-030714-1	fgf18a
ENSDARG00000001910	266.1563054	0.348595319	0.107137301	3.253725035	0.001139025	0.037155632	rorab	ZDB-GENE-040426-855	rorab
ENSDARG00000053835	58.03080863	0.598748862	0.184173121	3.251011101	0.001149954	0.037445748	plekhh1	ZDB-GENE-061219-1	plekhh1
ENSDARG00000058561	20.79956352	0.659250439	0.202934861	3.24858151	0.00115982	0.037700289	fbxo30a	ZDB-GENE-040426-1215	fbxo30a
ENSDARG00000101251	1274.265908	-0.427010035	0.131693294	-3.242458472	0.001185032	0.038451891	ldha	ZDB-GENE-991026-5	ldha
ENSDARG00000006125	342.4903822	-0.24913129	0.0769758	-3.236488476	0.001210101	0.039196198	csnk1db	ZDB-GENE-040426-2385	csnk1db
ENSDARG00000076592	112.6757034	-0.412812138	0.127587433	-3.235523498	0.001214199	0.039259809	man1b1b	ZDB-GENE-070705-482	man1b1b
ENSDARG00000026500	18.10558618	-0.899328953	0.278061168	-3.234284598	0.001219479	0.039361349	xkr9	ZDB-GENE-060421-6224	xkr9
ENSDARG00000019976	518.5523393	0.745289477	0.230603772	3.231904976	0.001229679	0.039577123	idi1	ZDB-GENE-050913-44	idi1
ENSDARG00000060322	12.48056663	1.026072476	0.317500207	3.231722229	0.001230466	0.039577123	zgc:153654	ZDB-GENE-060929-1102	zgc:153654
ENSDARG00000040190	399.2388644	0.561706554	0.173837636	3.231213726	0.001232657	0.039578411	qdpra	ZDB-GENE-070705-197	qdpra
ENSDARG00000058003	43.72208053	0.617200695	0.191080139	3.23006199	0.001237634	0.039668966	wfdc1	ZDB-GENE-070112-352	wfdc1
ENSDARG00000104734	31.8986867	0.529745213	0.164116213	3.227866411	0.001247172	0.039785849	kat2a	ZDB-GENE-080403-11	kat2a
ENSDARG00000075833	9.04494649	-1.125886573	0.348825984	-3.227645376	0.001248136	0.039785849	lyve1a	ZDB-GENE-031118-138	lyve1a
ENSDARG00000105052	121.7360708	0.741833766	0.229838175	3.227635117	0.001248181	0.039785849	cfhl5	ZDB-GENE-050208-782	cfhl5
ENSDARG00000042857	22.21397239	0.64240851	0.199058525	3.227234343	0.00124993	0.039785849	si:ch211-246m6.4	ZDB-GENE-050208-498	si:ch211-246m6.4
ENSDARG00000054363	85.46834733	-0.405266107	0.125632694	-3.225801302	0.001256205	0.039916521	si:zfos-464b6.2	ZDB-GENE-030131-5337	si:zfos-464b6.2
ENSDARG00000055989	38.02708237	-0.49420668	0.153598304	-3.217526933	0.001293009	0.041015133	tmem161b	ZDB-GENE-040426-2693	tmem161b
ENSDARG00000005191	3305.152019	-0.369560105	0.11500828	-3.213334761	0.001312033	0.041546949	ahcy	ZDB-GENE-031219-6	ahcy
ENSDARG00000101892	30.955085	-0.633912639	0.197395269	-3.211387193	0.001320958	0.041711938	ino80e	ZDB-GENE-040426-1818	ino80e
ENSDARG00000059369	15.02781265	-1.182556602	0.368258988	-3.211209066	0.001321777	0.041711938	si:ch1073-15f12.3	ZDB-GENE-081104-69	si:ch1073-15f12.3
ENSDARG00000035458	26302.09742	-0.708681847	0.220881116	-3.208431129	0.001334613	0.04204487	atp2a1l	ZDB-GENE-041229-2	atp2a1l
ENSDARG00000105324	12.98920916	-1.107594298	0.346200033	-3.19928998	0.001377665	0.043326983	si:dkey-11o1.7	ZDB-GENE-160113-19	si:dkey-11o1.7
ENSDARG00000055395	30.12858386	0.742989288	0.232392674	3.197128698	0.00138803	0.043578452	foxq1b	ZDB-GENE-040426-2090	foxq1b
ENSDARG00000043492	7.673014846	1.111252393	0.347643884	3.196525074	0.001390937	0.043594435	irf1a	ZDB-GENE-060421-4031	irf1a
ENSDARG00000100476	7.516575836	-1.146366431	0.358683381	-3.196039997	0.001393278	0.043594435	si:dkeyp-110c7.4	ZDB-GENE-070705-532	si:dkeyp-110c7.4
ENSDARG00000007869	65.70277949	-0.45242174	0.141690778	-3.193021781	0.001407923	0.043977882	ehd3	ZDB-GENE-041014-352	ehd3
ENSDARG00000060113	103.9515395	0.532825682	0.166926154	3.191984416	0.00141299	0.044061325	znf395a	ZDB-GENE-061215-52	znf395a
ENSDARG00000100149	85.26669563	0.441919904	0.138584619	3.188809165	0.001428602	0.0444446912	axin2	ZDB-GENE-000403-2	axin2
ENSDARG00000090468	48.83622291	-0.783164005	0.245652162	-3.188101408	0.001432103	0.0444446912	ppp1r3aa	ZDB-GENE-110914-122	ppp1r3aa
ENSDARG00000086445	3.600966208	-1.746484513	0.547830672	-3.188000603	0.001432602	0.0444446912	adgrf7	ZDB-GENE-041001-214	adgrf7
ENSDARG00000054288	69.45280502	-0.577618918	0.181394107	-3.184331218	0.001450889	0.044938476	zgc:63972	ZDB-GENE-040426-1320	zgc:63972
ENSDARG00000018266	65.1790441	0.822436714	0.258473863	3.181895084	0.001463148	0.045171943	mthfd1a	ZDB-GENE-041001-127	mthfd1a
ENSDARG00000075343	14.02255615	-0.70229241	0.220717734	-3.181857652	0.001463337	0.045171943	csf1a	ZDB-GENE-080204-107	csf1a
ENSDARG00000028048	27.28951367	0.528910303	0.166373933	3.179045505	0.001477609	0.045536095	rdh8a	ZDB-GENE-021115-3	rdh8a
ENSDARG00000109820	27.14577268	-0.855686206	0.26924955	-3.178041358	0.001482736	0.045567849	NPAS3		
ENSDARG00000062058	152.6113647	-0.424222597	0.133492585	-3.177873852	0.001483593	0.045567849	slc12a7b	ZDB-GENE-030829-61	slc12a7b

ENSDARG00000056379	45.52426318	-0.490000788	0.15428361	-3.175974361	0.001493341	0.0457861	si:ch73-86n18.1	ZDB-GENE-141216-19	si:ch73-86n18.1
ENSDARG00000103459	449.662915	-0.517826094	0.16306849	-3.175512904	0.001495719	0.0457861	evplb	ZDB-GENE-030131-212	evplb
ENSDARG00000029905	228.2117067	0.501473508	0.157942481	3.175038814	0.001498165	0.0457861	phyhd1	ZDB-GENE-041114-159	phyhd1
ENSDARG00000104636	50.76286604	-0.453780518	0.143054257	-3.172086797	0.001513478	0.046122476	si:dkey-112a7.4	ZDB-GENE-030131-9661	si:dkey-112a7.4
ENSDARG00000007823	69.5699399	0.75007932	0.236475801	3.171907305	0.001514413	0.046122476	atf3	ZDB-GENE-040426-728	atf3
ENSDARG00000040988	1388.061511	-0.324191099	0.102227534	-3.171269864	0.001517741	0.046122476	tpi1b	ZDB-GENE-020416-4	tpi1b
ENSDARG00000063535	337.8515855	0.327548824	0.103295415	3.170990934	0.001519199	0.046122476	chd4a	ZDB-GENE-041111-187	chd4a
ENSDARG00000071065	255.6925996	0.613630578	0.193597322	3.169623273	0.001526367	0.046263755	g6pd	ZDB-GENE-070508-4	g6pd
ENSDARG00000045898	61.12533875	-0.626793394	0.197862165	-3.167828449	0.001535821	0.046462331	si:ch211-152c2.3	ZDB-GENE-030131-9914	si:ch211-152c2.3
ENSDARG00000077709	65.39466259	-0.481271349	0.15194418	-3.167422057	0.001537969	0.046462331	iqsec2b	ZDB-GENE-081105-73	iqsec2b
ENSDARG00000036237	1069.121908	-0.483861229	0.152872579	-3.165127671	0.001550149	0.046753515	slc27a2a	ZDB-GENE-050706-104	slc27a2a
ENSDARG00000041483	60.69060739	-0.560072146	0.177051446	-3.163329978	0.001559754	0.046966218	paqr6	ZDB-GENE-090714-1	paqr6
ENSDARG00000062467	38.76188981	-0.619113955	0.196003093	-3.158694818	0.001584773	0.047641605	stra6l	ZDB-GENE-070410-116	stra6l
ENSDARG00000079637	100.3848599	-0.707030782	0.224049923	-3.155684114	0.001601222	0.048057548	alpk2	ZDB-GENE-030131-1868	alpk2
ENSDARG00000027609	225.6530309	-0.425195703	0.13476906	-3.154994935	0.001605009	0.048092759	hpn	ZDB-GENE-141212-373	hpn
ENSDARG00000008310	118.5000613	-0.360280288	0.114249447	-3.153453232	0.001613511	0.048268897	ip6k2a	ZDB-GENE-030131-760	ip6k2a
ENSDARG00000001857	184.601249	-0.380516338	0.120804561	-3.149850754	0.001633539	0.048788715	aff4	ZDB-GENE-100910-5	aff4
ENSDARG00000088975	20.2399517	0.684457543	0.217404295	3.14831656	0.001642138	0.04896604	si:ch211-14k19.8	ZDB-GENE-051214-4	si:ch211-14k19.8
ENSDARG00000045074	48.46247181	-0.495143562	0.157444395	-3.144878938	0.001661556	0.04946489	arl4d	ZDB-GENE-030131-2293	arl4d
ENSDARG00000003680	59.47619523	0.536745276	0.171053079	3.137887246	0.001701703	0.050578249	runx1t1	ZDB-GENE-060929-164	runx1t1
ENSDARG00000017244	131.0597814	0.339800756	0.108323853	3.136896884	0.001707462	0.050667548	chd6	ZDB-GENE-130530-559	chd6
ENSDARG00000112234	210.1378009	-0.512236305	0.163442266	-3.134050438	0.001724112	0.051079253	endouc	ZDB-GENE-060503-141	endouc
ENSDARG00000017004	105.4705175	0.340961908	0.108837216	3.132769486	0.001731654	0.051206203	myo10	ZDB-GENE-070912-277	myo10
ENSDARG00000012823	11.88734353	0.918980222	0.293404187	3.132130565	0.001735427	0.051206203	dlgap4b	ZDB-GENE-101215-2	dlgap4b
ENSDARG00000059054	263.9016056	-0.79522012	0.253909213	-3.131907308	0.001736747	0.051206203	pdk2b	ZDB-GENE-040426-939	pdk2b
ENSDARG00000053479	22.40783839	0.784802218	0.250637491	3.131224364	0.001740791	0.05124332	gdf6a	ZDB-GENE-980526-373	gdf6a
ENSDARG00000059719	35.96555413	-0.808035303	0.258416367	-3.126873555	0.001766759	0.051897196	fam169aa	ZDB-GENE-060825-117	fam169aa
ENSDARG00000016545	82.18082003	-0.466451224	0.149189928	-3.12655975	0.001768646	0.051897196	zgc:154046	ZDB-GENE-061103-289	zgc:154046
ENSDARG00000104713	16.47575452	-0.998892091	0.319586181	-3.12557973	0.00177455	0.051987521	zgc:165653	ZDB-GENE-070620-24	zgc:165653
ENSDARG00000098312	494.8305341	0.429952811	0.13770418	3.122293087	0.001794482	0.052487884	scarb2a	ZDB-GENE-020419-29	scarb2a
ENSDARG00000100003	177.9191593	-0.556181565	0.178201962	-3.121074306	0.001801926	0.052621948	glulb	ZDB-GENE-030131-8417	glulb
ENSDARG00000016830	176.9492973	0.391929993	0.125680453	3.118464191	0.001817962	0.053006134	rimkla	ZDB-GENE-040912-20	rimkla
ENSDARG00000093448	247.2944668	-0.360555116	0.115669452	-3.117116139	0.001826296	0.053164866	mpc1	ZDB-GENE-040718-94	mpc1
ENSDARG00000012944	16601.63441	-0.882803185	0.283337415	-3.11573106	0.001834895	0.053330813	myhz2	ZDB-GENE-020604-1	myhz2
ENSDARG00000007127	115.5519992	1.333074513	0.428367308	3.111989378	0.001858312	0.053926217	acat2	ZDB-GENE-990714-22	acat2
ENSDARG000000086790	16.12578287	-0.844224724	0.271719478	-3.106971689	0.001890145	0.054758052	gucy1b1		
ENSDARG00000008858	63.33204569	0.519445806	0.167210595	3.106536445	0.00189293	0.054758052	cyp7b1	ZDB-GENE-070912-293	cyp7b1
ENSDARG00000059083	23.48779996	0.591786554	0.190729593	3.102751628	0.001917305	0.055370991	ppp2r5ca	ZDB-GENE-120406-9	ppp2r5ca
ENSDARG00000004082	43.63122837	-0.691010487	0.222740299	-3.102314624	0.001920138	0.055370991	cx39.9	ZDB-GENE-040406-2	cx39.9
ENSDARG00000061274	115.6465088	1.244897383	0.401583098	3.099974551	0.001935373	0.055722984	lss	ZDB-GENE-050119-7	lss
ENSDARG000000060729	164.3427003	0.331007571	0.106928074	3.095609573	0.001964088	0.056461389	trim8b	ZDB-GENE-030131-4325	trim8b
ENSDARG00000074457	89.59010485	0.822880105	0.266086429	3.092529408	0.001984586	0.056961634	si:dkey-96f10.1	ZDB-GENE-090312-154	si:dkey-96f10.1
ENSDARG000000056840	70.96616754	-0.362612032	0.117372087	-3.089423063	0.002005456	0.057471008	otud5b	ZDB-GENE-040801-50	otud5b

ENSDARG00000058292	43.15458123	0.587735362	0.190370947	3.087316473	0.002019724	0.057789876	sephs1	ZDB-GENE-030131-3670	sephs1
ENSDARG00000008275	138.597484	-0.596211772	0.193190706	-3.086130719	0.002027797	0.057930746	klhl24b	ZDB-GENE-040426-1185	klhl24b
ENSDARG000000099124	13.66770688	-0.907777985	0.294254871	-3.085005799	0.002035482	0.058025636	f3a	ZDB-GENE-0701119-5	f3a
ENSDARG00000078770	70.89850562	0.594726486	0.192797442	3.084721869	0.002037426	0.058025636	si:ch73-21k16.5	ZDB-GENE-030131-8374	si:ch73-21k16.5
ENSDARG00000059035	2149.101813	-0.388313779	0.125936204	-3.083416579	0.002046385	0.058190706	porb	ZDB-GENE-030131-5767	porb
ENSDARG00000077852	85.39036683	0.338236185	0.109735576	3.08228376	0.002054189	0.058322488	samd11	ZDB-GENE-060428-2	samd11
ENSDARG00000016396	15.73163299	0.785259334	0.254806781	3.081783507	0.002057644	0.05833057	fam219aa	ZDB-GENE-040801-110	fam219aa
ENSDARG00000103220	116.2506503	-0.493258333	0.160125611	-3.080446223	0.002066907	0.058503001	slc10a3	ZDB-GENE-040426-2347	slc10a3
ENSDARG00000070798	34.41334925	0.910505164	0.2960962	3.075031576	0.002104803	0.059484117	pmvk	ZDB-GENE-070410-91	pmvk
ENSDARG00000029832	111.6743657	-0.447972854	0.145847549	-3.071514449	0.002129759	0.060068088	slc26a1	ZDB-GENE-070112-2182	slc26a1
ENSDARG00000059388	113.0050972	0.390459734	0.127135846	3.071200976	0.002131996	0.060068088	bdh1	ZDB-GENE-070410-130	bdh1
ENSDARG00000028583	9.752758664	0.924668304	0.301281427	3.069118174	0.002146916	0.060395978	si:ch211-234h8.7	ZDB-GENE-061009-16	si:ch211-234h8.7
ENSDARG00000056125	17.68340788	0.652542941	0.212949566	3.064307446	0.002181746	0.061282073	myct1a	ZDB-GENE-041001-143	myct1a
ENSDARG00000039381	4.57995	-1.599326521	0.522023509	-3.06370593	0.002186137	0.061311808	ch25hl1.1	ZDB-GENE-030131-8617	ch25hl1.1
ENSDARG00000023542	19.92928318	0.776370042	0.253654935	3.060733045	0.002207959	0.061829562	cdh7a	ZDB-GENE-061019-3	cdh7a
ENSDARG00000099959	1303.260766	-1.072796674	0.35070627	-3.058960632	0.002221063	0.062040965	smyhc1	ZDB-GENE-030131-271	smyhc1
ENSDARG00000024433	3281.434013	-0.584254107	0.191023384	-3.058547571	0.002224128	0.062040965	pvalb4	ZDB-GENE-040625-48	pvalb4
ENSDARG00000017982	92.65465618	0.835030726	0.27310137	3.057585275	0.002231281	0.062040965	cyp39a1	ZDB-GENE-041014-339	cyp39a1
ENSDARG00000003695	1141.019733	-0.254752182	0.083321043	-3.057477128	0.002232087	0.062040965	vdac3	ZDB-GENE-040426-2380	vdac3
ENSDARG00000063626	747.8408921	-0.379108534	0.123998207	-3.057371096	0.002232877	0.062040965	ddx21	ZDB-GENE-031113-10	ddx21
ENSDARG00000016875	430.5495735	-0.364082383	0.119098446	-3.056986853	0.002235741	0.062040965	gys1	ZDB-GENE-040426-1243	gys1
ENSDARG00000017230	110.2023711	0.422881603	0.138414228	3.055188836	0.002249189	0.062320138	fbxw11b	ZDB-GENE-040426-2903	fbxw11b
ENSDARG00000058734	75.18727444	1.044160961	0.341875599	3.054213178	0.002256517	0.062414803	prdx1	ZDB-GENE-050320-35	prdx1
ENSDARG00000060397	96.3304517	-0.363006314	0.11886914	-3.053831413	0.00225939	0.062414803	hhip	ZDB-GENE-030131-4827	hhip
ENSDARG00000088124	57.20846269	-0.443350744	0.145291171	-3.051463763	0.002277285	0.062814836	adrb2a	ZDB-GENE-100414-3	adrb2a
ENSDARG00000032221	35.96512838	0.454105552	0.148838145	3.051002492	0.002280787	0.062817239	phactr4b	ZDB-GENE-040426-1131	phactr4b
ENSDARG00000062646	304.5455934	0.330285186	0.10829388	3.049897067	0.002289198	0.062879702	tet3	ZDB-GENE-060526-109	tet3
ENSDARG00000061081	116.0475529	-0.598957587	0.196399027	-3.049697322	0.002290721	0.062879702	arpp21	ZDB-GENE-081104-296	arpp21
ENSDARG00000069463	85.22846777	0.434682099	0.142548713	3.049358292	0.002293308	0.062879702	alox12	ZDB-GENE-030131-1452	alox12
ENSDARG00000092999	6.772974892	-1.49794886	0.491489995	-3.047770808	0.002305457	0.063118744	tnni4b.1	ZDB-GENE-090312-198	tnni4b.1
ENSDARG00000039929	899.6387279	-0.497056579	0.16312115	-3.047162049	0.002310131	0.063152743	ckmt2b	ZDB-GENE-040426-1654	ckmt2b
ENSDARG00000112959	360.547733	-0.552023778	0.181410691	-3.042950631	0.002342708	0.063948272	CABZ01072309.1		
ENSDARG00000060796	507.003809	-0.311550736	0.102412321	-3.042121624	0.00234917	0.064029661	slc20a2	ZDB-GENE-060929-828	slc20a2
ENSDARG00000076611	16.82280025	-0.651774132	0.214534561	-3.038084541	0.002380872	0.064797742	fbxo21	ZDB-GENE-100922-229	fbxo21
ENSDARG00000029072	274.4042542	-0.267729978	0.08821817	-3.034862079	0.002406457	0.065397337	klf6a	ZDB-GENE-021115-9	klf6a
ENSDARG00000068995	204.5086963	0.562075218	0.185279848	3.033655436	0.002416102	0.065557346	h2afx1	ZDB-GENE-041010-42	h2afx1
ENSDARG00000032603	16.10225126	-0.7025776	0.231626503	-3.033234935	0.002419472	0.065557346	st7l	ZDB-GENE-080219-43	st7l
ENSDARG00000018069	35.59143277	0.814236053	0.268634122	3.031022447	0.002437271	0.065942525	rdh12	ZDB-GENE-040718-9	rdh12
ENSDARG00000027249	1532.794341	-0.542390067	0.179089556	-3.028596857	0.002456923	0.066304594	btg1	ZDB-GENE-010726-1	btg1
ENSDARG00000055138	56.79185686	-0.571863045	0.188828311	-3.028481486	0.002457861	0.066304594	zgc:110410	ZDB-GENE-050522-465	zgc:110410
ENSDARG00000003281	49.75440558	-0.74560793	0.246438846	-3.025529218	0.002481984	0.066857314	pik3ip1	ZDB-GENE-031030-14	pik3ip1
ENSDARG00000029689	6.879815536	1.25396362	0.414866742	3.022569645	0.002506384	0.067384655	tkta	ZDB-GENE-130530-578	tkta
ENSDARG00000043171	405.1333387	0.762432134	0.252297611	3.021955429	0.002511475	0.067384655	zgc:112302	ZDB-GENE-050626-127	zgc:112302



ENSDARG00000088411	42.64807464	-0.932785702	0.308682791	-3.021826054	0.002512549	0.067384655	notum2	ZDB-GENE-120215-77	notum2
ENSDARG00000057672	34.74389326	0.615406442	0.203722329	3.020809964	0.002520995	0.067512767	plpp5	ZDB-GENE-040704-54	plpp5
ENSDARG00000000001	9.197301379	-0.853103786	0.282685033	-3.017859757	0.002545667	0.068074387	slc35a5	ZDB-GENE-030616-55	slc35a5
ENSDARG00000052536	142.654189	0.339240538	0.112507655	3.015266292	0.002567537	0.068559579	tia1	ZDB-GENE-030131-1506	tia1
ENSDARG00000078479	91.26888372	-0.351091784	0.116515889	-3.013252409	0.002584638	0.068916201	mocs1	ZDB-GENE-130215-1	mocs1
ENSDARG00000019969	82.63512675	0.427541953	0.141998662	3.010887207	0.002604856	0.069354761	smarcd3b	ZDB-GENE-080509-2	smarcd3b
ENSDARG00000020956	1841.84982	-0.364785306	0.12122654	-3.009120817	0.002620049	0.069658471	pck2	ZDB-GENE-040426-2266	pck2
ENSDARG00000041586	20.0460186	-0.575794415	0.191383986	-3.008582002	0.0026247	0.069674259	dhx40	ZDB-GENE-080507-1	dhx40
ENSDARG00000070950	4.696313255	-1.628082502	0.541294712	-3.007756153	0.002631842	0.069674259	styk1a	ZDB-GENE-060503-428	styk1a
ENSDARG00000090346	219.1943805	-0.618067894	0.205492634	-3.007737468	0.002632004	0.069674259	zmp:0000000991	ZDB-GENE-130530-994	zmp:0000000991
ENSDARG00000002167	74.97990103	0.386414764	0.128530887	3.006396162	0.002643643	0.069881823	cacnb1	ZDB-GENE-040718-399	cacnb1
ENSDARG00000054916	255.852981	-0.704418512	0.234729014	-3.000986117	0.002691068	0.071033393	eif4ebp3	ZDB-GENE-041114-44	eif4ebp3
ENSDARG00000087401	12.1520907	-0.858313449	0.286203363	-2.998963528	0.002708997	0.071404202	slc25a34	ZDB-GENE-040426-1442	slc25a34
ENSDARG00000061424	146.5185276	0.27188325	0.090690199	2.997934209	0.002718163	0.071411501	zmf646	ZDB-GENE-160627-3	zmf646
ENSDARG00000033861	25.92738463	-0.522856444	0.174418988	-2.997703693	0.00272022	0.071411501	sepsecs	ZDB-GENE-040426-859	sepsecs
ENSDARG00000086481	144.6650626	-0.589803666	0.19675696	-2.997625424	0.002720919	0.071411501	mogat3a	ZDB-GENE-080305-11	mogat3a
ENSDARG00000051756	148.5685407	-0.456402378	0.152339573	-2.995954156	0.002735876	0.071701766	pdhx	ZDB-GENE-040426-1539	pdhx
ENSDARG00000116806	229.9759762	-0.544073328	0.181644938	-2.995257308	0.002742134	0.071729264	CU693479.1		
ENSDARG00000034568	40.82190776	-0.508487555	0.169780542	-2.994969558	0.002744722	0.071729264	fitm2	ZDB-GENE-050508-5	fitm2
ENSDARG00000059090	27.34009975	0.693618416	0.231696251	2.993654034	0.002756583	0.071937047	sstr2a	ZDB-GENE-140130-1	sstr2a
ENSDARG00000036791	74.88442862	0.470190096	0.157271877	2.989664179	0.002792843	0.072780068	dnmt3bb.1	ZDB-GENE-050314-1	dnmt3bb.1
ENSDARG00000101578	85.44892078	0.328510494	0.110000637	2.986441729	0.002822446	0.073336908	e2f4	ZDB-GENE-040426-2773	e2f4
ENSDARG00000026865	101.8268415	-0.369488819	0.123735351	-2.986121726	0.002825402	0.073336908	fam107b	ZDB-GENE-031030-12	fam107b
ENSDARG00000040131	117.7491115	-0.381109278	0.127630392	-2.986038611	0.00282617	0.073336908	zfyve26	ZDB-GENE-030131-3286	zfyve26
ENSDARG00000074425	81.58294108	-0.46576029	0.156078302	-2.984145035	0.002843719	0.07368838	si:busm1-57f23.1	ZDB-GENE-030616-512	si:busm1-57f23.1
ENSDARG00000032079	14.08755243	0.837469081	0.280831329	2.982107032	0.002862719	0.07390729	acsl3a	ZDB-GENE-050420-181	acsl3a
ENSDARG00000103271	165.6894414	-0.358217308	0.120122675	-2.98209567	0.002862825	0.07390729	pla2g15	ZDB-GENE-030131-6948	pla2g15
ENSDARG00000100339	13.04042466	1.232132675	0.413210784	2.981850238	0.002865121	0.07390729	arf4b	ZDB-GENE-050417-205	arf4b
ENSDARG00000077298	98.89225758	0.35953426	0.12058799	2.981509684	0.00286831	0.07390729	gas1a	ZDB-GENE-050302-155	gas1a
ENSDARG00000058728	35.49148675	-0.472298238	0.158431445	-2.981088995	0.002872253	0.07390729	nudt2	ZDB-GENE-040718-7	nudt2
ENSDARG00000038305	4.352778643	1.454804168	0.488626966	2.977330908	0.0029077	0.074714892	vgll3	ZDB-GENE-130530-600	vgll3
ENSDARG00000075211	358.674554	0.33005827	0.111021163	2.972931106	0.002949707	0.075688564	chd7	ZDB-GENE-070912-179	chd7
ENSDARG00000099889	185.4128989	-0.901056669	0.303238534	-2.971445143	0.002964018	0.07594987	dusp27	ZDB-GENE-140513-1	dusp27
ENSDARG00000020328	419.381769	-0.417350693	0.140492725	-2.970621393	0.002971979	0.076047947	plekha6	ZDB-GENE-140106-14	plekha6
ENSDARG00000053091	119.6127953	-0.468897526	0.158067697	-2.966434858	0.003012742	0.076983921	si:ch211-204c21.1	ZDB-GENE-030429-35	si:ch211-204c21.1
ENSDARG00000105412	30.68312801	0.535722526	0.180705237	2.964620924	0.003030561	0.077095027	si:ch211-276i12.11	ZDB-GENE-160628-5	si:ch211-276i12.11
ENSDARG00000003142	49.08778013	-0.60862342	0.205302457	-2.964520879	0.003031547	0.077095027	dachc	ZDB-GENE-020402-5	dachc
ENSDARG00000070041	14.42470486	0.836356761	0.282135063	2.964384332	0.003032892	0.077095027	zgc:153920	ZDB-GENE-061013-702	zgc:153920
ENSDARG00000054060	272.8589841	-0.319686189	0.107845895	-2.964287042	0.003033851	0.077095027	pof1b	ZDB-GENE-030131-4287	pof1b
ENSDARG00000003797	15.06507826	0.787520458	0.265914366	2.961556648	0.003060882	0.077674626	asb2a.1	ZDB-GENE-030131-5355	asb2a.1
ENSDARG00000078133	133.9879718	0.293482558	0.099147043	2.960073742	0.003075654	0.07794199	kdm2ab	ZDB-GENE-101007-5	kdm2ab
ENSDARG00000071724	22.23020574	-0.76656242	0.259567501	-2.953229575	0.00314468	0.079581599	ankha	ZDB-GENE-050913-33	ankha
ENSDARG00000016868	45.6142404	-0.6291110744	0.213083873	-2.952408995	0.00315305	0.079638915	rhobtb4	ZDB-GENE-060315-11	rhobtb4

ENSDARG00000103025	1293.468916	1.053445253	0.356838907	2.952159171	0.003155602	0.079638915	hmgcs1	ZDB-GENE-040426-1042	hmgcs1
ENSDARG00000109390	76.56490175	-1.726729864	0.585195771	-2.950687528	0.003170675	0.079720939	si:ch211-66i15.5	ZDB-GENE-090313-122	si:ch211-66i15.5
ENSDARG00000098837	13.72558487	-1.708205842	0.57897308	-2.950406332	0.003173563	0.079720939	tgm5l	ZDB-GENE-110411-176	tgm5l
ENSDARG00000011493	22.96261292	0.537525507	0.182194601	2.950282305	0.003174837	0.079720939	dcun1d3	ZDB-GENE-070928-2	dcun1d3
ENSDARG00000043085	3.873172257	1.31529464	0.445839743	2.950151171	0.003176185	0.079720939	alox5b.1	ZDB-GENE-131219-3	alox5b.1
ENSDARG00000030125	19.57491713	0.770211353	0.261534879	2.9449661	0.0032299	0.080958732	sox7	ZDB-GENE-040109-4	sox7
ENSDARG00000017762	109.4184368	0.384538216	0.130663112	2.942974561	0.003250751	0.081086456	srrt	ZDB-GENE-020419-13	srrt
ENSDARG00000067713	90.57403036	0.330416321	0.112275093	2.942917357	0.003251352	0.081086456	snx18a		
ENSDARG00000035256	3202.656276	-0.477136123	0.162136764	-2.942800338	0.003252581	0.081086456	eef2l2	ZDB-GENE-030131-8112	eef2l2
ENSDARG00000017489	43.25759711	1.659247923	0.563852153	2.942700341	0.003253632	0.081086456	ifi45	ZDB-GENE-051030-98	ifi45
ENSDARG00000061858	792.9546191	-0.621485143	0.211218743	-2.942376864	0.003257033	0.081086456	zgc:153968	ZDB-GENE-061027-211	zgc:153968
ENSDARG00000056929	372.8878709	0.275666549	0.093724278	2.941250169	0.003268904	0.081272025	kdm6bb	ZDB-GENE-040724-166	kdm6bb
ENSDARG00000087709	7.602806981	-1.222960945	0.415928656	-2.940314225	0.003278796	0.081407935	fat3b	ZDB-GENE-130530-969	fat3b
ENSDARG00000021866	92.79452445	-0.555116455	0.188861485	-2.939278254	0.003289776	0.081570479	upk1a	ZDB-GENE-060421-2603	upk1a
ENSDARG00000021208	528.80523	-0.378400406	0.128834573	-2.937102967	0.003312941	0.082034301	serpind1	ZDB-GENE-030711-2	serpind1
ENSDARG00000026369	3450.643843	0.561929785	0.191459302	2.934982937	0.00333566	0.082394452	dbi	ZDB-GENE-040426-1861	dbi
ENSDARG00000061566	49.93191153	0.608855081	0.207452713	2.934910195	0.003336442	0.082394452	slc7a3b	ZDB-GENE-120813-6	slc7a3b
ENSDARG00000030957	110.7658168	-0.27375858	0.093369287	-2.931998184	0.003367887	0.083042475	yipf4	ZDB-GENE-040426-2253	yipf4
ENSDARG00000058094	294.2737347	-0.387564098	0.132208491	-2.931461472	0.003373712	0.083042475	ciarta	ZDB-GENE-030131-7016	ciarta
ENSDARG00000041546	51.73184036	0.390803832	0.133324166	2.931230277	0.003376224	0.083042475	gypc	ZDB-GENE-030131-7930	gypc
ENSDARG00000105498	9.376054523	-0.958415614	0.327078921	-2.930227395	0.00338714	0.083199745	TSC22D3 (1 of many)	ZDB-GENE-160114-28	si:ch211-220e11.3
ENSDARG00000079281	89.52749545	-0.479744756	0.163750847	-2.929723817	0.003392634	0.083223572	si:dkeyp-75h12.2	ZDB-GENE-030131-7512	si:dkeyp-75h12.2
ENSDARG00000000631	89.5307744	0.276048865	0.094268775	2.928317083	0.003408023	0.083489755	ptpn4a	ZDB-GENE-030616-449	ptpn4a
ENSDARG000000031737	7.831463528	1.139329354	0.389249167	2.9269924	0.003422572	0.083734691	pthlha	ZDB-GENE-050119-9	pthlha
ENSDARG00000073786	141.7885006	0.434159541	0.148352666	2.926536827	0.003427589	0.083746065	cmb1	ZDB-GENE-071004-21	cmb1
ENSDARG00000004378	91.12454969	0.293428783	0.100321863	2.924873741	0.00344596	0.084083253	yrk	ZDB-GENE-030131-9517	yrk
ENSDARG00000078547	10.28062307	-1.803932632	0.617821418	-2.919828577	0.00350224	0.08534332	si:ch211-264f5.2	ZDB-GENE-080303-2	si:ch211-264f5.2
ENSDARG00000055502	205.8998881	0.298123616	0.10215457	2.918358109	0.0035188	0.085609866	cicb	ZDB-GENE-030131-1966	cicb
ENSDARG00000068710	853.2601085	-0.345719928	0.118486536	-2.917799257	0.003525112	0.085609866	nid1a	ZDB-GENE-050302-58	nid1a
ENSDARG00000034677	101.6277108	-0.723286589	0.24792604	-2.917348212	0.003530214	0.085609866	scel	ZDB-GENE-030616-15	scel
ENSDARG00000075850	76.06051781	-0.4474649	0.153388018	-2.917208953	0.003531791	0.085609866	gnal2	ZDB-GENE-040718-441	gnal2
ENSDARG00000093546	12.98395938	0.67810074	0.232837705	2.912332177	0.003587409	0.086843623	si:ch73-56d11.5		
ENSDARG00000075436	115.9453294	-0.38145326	0.13099826	-2.911895629	0.003592427	0.086850805	sytl2b	ZDB-GENE-121214-363	sytl2b
ENSDARG00000017386	33.42613026	-0.701542919	0.241012888	-2.910810811	0.003604922	0.087038529	sobpb	ZDB-GENE-041210-8	sobpb
ENSDARG00000090870	40.26331531	5.821972647	2.000795382	2.909829111	0.003616264	0.087197942	si:ch1073-263o8.2	ZDB-GENE-030131-5362	si:ch1073-263o8.2
ENSDARG00000099974	2270.543087	-0.391523531	0.134642292	-2.907879278	0.003638888	0.08762861	ldb3b	ZDB-GENE-030131-6032	ldb3b
ENSDARG00000076005	95.72657106	0.301227855	0.103706767	2.904611365	0.003677094	0.088432901	piezo2a.2	ZDB-GENE-131119-76	piezo2a.2
ENSDARG00000078674	49.55660542	-0.764562176	0.2633588	-2.903119913	0.003694651	0.08873916	hspb9	ZDB-GENE-080214-6	hspb9
ENSDARG00000079473	83.32364093	0.401345188	0.138268768	2.902645292	0.003700255	0.088757871	map3k21	ZDB-GENE-090312-24	map3k21
ENSDARG00000019406	23.28194938	-0.650687764	0.224284449	-2.90117201	0.003717697	0.089060153	zgc:63470	ZDB-GENE-040426-1126	zgc:63470
ENSDARG00000020596	56.79634056	-0.379557088	0.131003731	-2.897299828	0.003763898	0.09004968	miga1	ZDB-GENE-041010-193	miga1
ENSDARG000000053820	6.972760468	-1.146382268	0.395786767	-2.896464369	0.003773935	0.090172539	pcmt2a	ZDB-GENE-060312-14	pcmt2a
ENSDARG000000021924	18.4373735	1.36410861	0.471024984	2.896043004	0.003779006	0.090176594	hsp70.3	ZDB-GENE-110713-1	hsp70.3

ENSDARG00000053829	9.609557307	0.904768155	0.312479203	2.895450792	0.003786144	0.090229889	pax9	ZDB-GENE-980526-399	pax9
ENSDARG00000058597	172.4200347	-0.330591056	0.114213315	-2.894505397	0.003797564	0.090384966	nt5c3a	ZDB-GENE-030131-439	nt5c3a
ENSDARG00000006220	1377.352279	0.438726825	0.151754312	2.891033666	0.00383977	0.091271428	ugt1a7	ZDB-GENE-071004-5	ugt1a2
ENSDARG00000006220	1377.352279	0.438726825	0.151754312	2.891033666	0.00383977	0.091271428	ugt1a7	ZDB-GENE-071004-4	ugt1a1
ENSDARG00000006220	1377.352279	0.438726825	0.151754312	2.891033666	0.00383977	0.091271428	ugt1a7	ZDB-GENE-080227-5	ugt1a6
ENSDARG00000006220	1377.352279	0.438726825	0.151754312	2.891033666	0.00383977	0.091271428	ugt1a7	ZDB-GENE-080227-6	ugt1a7
ENSDARG00000039677	365.3452885	-0.411057594	0.142204403	-2.890610873	0.003844939	0.091276366	dsc2l	ZDB-GENE-031116-55	dsc2l
ENSDARG00000040747	2452.460051	-0.578444104	0.200150958	-2.890039143	0.003851939	0.091324699	tm4sf4	ZDB-GENE-040801-231	tm4sf4
ENSDARG00000111934	3.779319427	1.361605643	0.471466017	2.888025001	0.003876691	0.091793248	ano9a	ZDB-GENE-071004-46	ano9a
ENSDARG00000111934	3.779319427	1.361605643	0.471466017	2.888025001	0.003876691	0.091793248	ano9a	ZDB-GENE-050522-106	zgc:112234
ENSDARG00000102029	4.087135747	-1.310883573	0.454246174	-2.885843953	0.003903657	0.092312948	si:dkey-183c6.7	ZDB-GENE-160728-81	si:dkey-183c6.7
ENSDARG00000091513	45.70998562	0.399511384	0.138541391	2.883696921	0.003930368	0.092787812	C3orf70		
ENSDARG00000042866	48.88663001	-0.536570382	0.186151457	-2.882439874	0.003946084	0.092787812	cx35.4	ZDB-GENE-050417-174	cx35.4
ENSDARG00000052115	18.69260428	0.867391624	0.300958235	2.88209965	0.003950348	0.092787812	ehf	ZDB-GENE-060312-7	ehf
ENSDARG00000036966	281.6276804	0.506943841	0.175909554	2.881843707	0.003953558	0.092787812	hsd3b7	ZDB-GENE-030131-5673	hsd3b7
ENSDARG00000015176	20.1366299	0.672617666	0.233413361	2.881658799	0.003955878	0.092787812	ror1	ZDB-GENE-030131-6104	ror1
ENSDARG00000098742	8.39629881	-0.976335737	0.338823679	-2.88154517	0.003957305	0.092787812	lrm1	ZDB-GENE-161221-2	lrm1
ENSDARG00000020123	220.7877987	-0.406303046	0.141023147	-2.881108911	0.003962787	0.092787812	coq8a	ZDB-GENE-040718-487	coq8a
ENSDARG00000033845	66.27410513	-0.606825257	0.21063582	-2.880921475	0.003965144	0.092787812	igsf9ba	ZDB-GENE-060503-729	igsf9ba
ENSDARG00000012981	35.31998732	-0.749605654	0.260225078	-2.880604975	0.003969128	0.092787812	osbp17	ZDB-GENE-041010-212	osbp17
ENSDARG00000068088	342.8982021	-0.70310577	0.244135833	-2.87997776	0.003977032	0.092854618	tcnba	ZDB-GENE-060531-123	tcnba
ENSDARG00000045522	47.70394502	-0.550520375	0.191215993	-2.879049841	0.003988753	0.093010236	acot15	ZDB-GENE-041210-203	acot15
ENSDARG00000077537	89.84819976	-0.315297293	0.109651438	-2.875450601	0.004034513	0.093865031	nudt19	ZDB-GENE-081022-80	nudt19
ENSDARG000000103952	4.256763655	1.34715139	0.468556021	2.875112748	0.004038832	0.093865031	CABZ01054391.1		
ENSDARG00000004105	91.02328325	0.334160494	0.116237838	2.874799636	0.00404284	0.093865031	tie1	ZDB-GENE-990415-55	tie1
ENSDARG00000063899	12765.10769	-0.352933913	0.122788274	-2.874329129	0.004048868	0.093865031	mt-nd2	ZDB-GENE-011205-8	mt-nd2
ENSDARG00000077226	406.3152603	0.214893191	0.074767067	2.874169071	0.00405092	0.093865031	smarca4a	ZDB-GENE-030605-1	smarca4a
ENSDARG00000013414	27.85692304	0.524572907	0.182704119	2.871160813	0.004089674	0.094527899	lin7a	ZDB-GENE-040426-1665	lin7a
ENSDARG00000025478	3.506180375	1.274887579	0.444033653	2.871150804	0.004089804	0.094527899	gipr	ZDB-GENE-050516-4	gipr
ENSDARG00000103917	212.0675175	-0.731822573	0.254943672	-2.870526523	0.004097888	0.094595918	znf185	ZDB-GENE-061103-355	znf185
ENSDARG00000104500	86.89912946	-0.484188518	0.168803198	-2.86836105	0.004126044	0.09512651	fyco1a	ZDB-GENE-110411-276	fyco1a
ENSDARG00000036239	3057.463027	-0.39891241	0.139139298	-2.867000307	0.004143826	0.095410039	gatm	ZDB-GENE-021015-1	gatm
ENSDARG000000102696	13.17611243	1.000939328	0.349169685	2.866627237	0.004148714	0.095410039	dnajc11b	ZDB-GENE-160114-27	dnajc11b
ENSDARG00000052348	155.9752328	0.466357193	0.162932251	2.862276754	0.004206095	0.096512619	smarca5	ZDB-GENE-021125-1	smarca5
ENSDARG00000022260	63.92876155	-0.360323842	0.125890635	-2.862197341	0.004207149	0.096512619	si:ch211-57i17.1	ZDB-GENE-041014-259	si:ch211-57i17.1
ENSDARG00000071500	55.89168998	-0.469827095	0.164444083	-2.85706294	0.00427581	0.097880322	fam207a	ZDB-GENE-060825-113	fam207a
ENSDARG00000071347	59.6412166	0.408390124	0.142946479	2.856944263	0.004277409	0.097880322	aftphb	ZDB-GENE-060503-388	aftphb
ENSDARG00000046019	24.67600496	0.571127217	0.199953398	2.856301628	0.004286077	0.097956835	snai1b	ZDB-GENE-980526-514	snai1b
ENSDARG00000014916	410.1817727	-0.579687674	0.203037285	-2.85507991	0.0043026	0.098212454	slc10a2	ZDB-GENE-040426-1328	slc10a2
ENSDARG00000059337	75.34587244	0.423426852	0.148454375	2.85223559	0.004341291	0.098972833	tgif1	ZDB-GENE-030131-475	tgif1
ENSDARG00000088967	68.72253742	-0.515647387	0.180846951	-2.851291578	0.004354202	0.09914432	wnk4b	ZDB-GENE-131120-119	wnk4b
ENSDARG00000014674	95.84308269	0.37152207	0.130376407	2.849611195	0.00437727	0.099546375	acsl3b	ZDB-GENE-030131-492	acsl3b
ENSDARG00000105012	35.29549832	-0.542934075	0.190558814	-2.849167999	0.004383373	0.099562089	utp23	ZDB-GENE-050417-353	utp23

ENSDARG00000113928	5.981808757	-1.097037962	0.385198323	-2.847982185	0.004399739	0.099810596	B3GAT1		
ENSDARG00000075132	582.9377265	-0.292289368	0.102652256	-2.847374037	0.004408154	0.099855885	fh	ZDB-GENE-010724-6	fh
ENSDARG00000102362	174.7170902	-0.320063403	0.112419162	-2.847053816	0.00441259	0.099855885	slc25a12	ZDB-GENE-031006-11	slc25a12