

Supplemental Table S9: 35dpf trunk RNA-seq data, genes differentially expressed between <i>nr5a1a</i> / <i>nr5a1b</i> double mutants and wildtypes.									
EnsemblID	baseMean	log2FoldChange	lfcSE	stat	pvalue	padj	EnsemblGeneName	ZFIN_ID	ZFIN_Name
ENSDARG00000092052	26.05752373	-5.54485719	0.46898847	-11.82301387	2.96841E-32	6.15113E-28	gstk4	ZDB-GENE-060421-6530	gstk4
ENSDARG00000075301	15.78589951	-5.493938965	0.512657424	-10.71658911	8.50834E-27	8.81549E-23	gsdf	ZDB-GENE-101029-3	gsdf
ENSDARG00000040510	9.390766129	-37.49700026	3.604993922	-10.40140457	2.44305E-25	1.6875E-21	ca15b	ZDB-GENE-040426-2222	ca15b
ENSDARG00000046053	62.50326774	-3.484559178	0.360223015	-9.673338538	3.91397E-22	2.02763E-18	slc27a6	ZDB-GENE-060825-27	slc27a6
ENSDARG00000045423	22.06476979	-26.26188038	2.733959049	-9.605806051	7.55643E-22	3.13169E-18	si:ch211-146110.8	ZDB-GENE-160113-6	si:ch211-146110.8
ENSDARG00000028396	530.1083819	-6.632013912	0.69645668	-9.522507436	1.6905E-21	5.83842E-18	fkbp5	ZDB-GENE-030616-630	fkbp5
ENSDARG00000028367	24.46912077	-3.362684119	0.356110886	-9.442800686	3.62946E-21	1.07442E-17	sult2st3	ZDB-GENE-061117-4	sult2st3
ENSDARG00000100826	254.3471364	-1.625713886	0.17455984	-9.313218227	1.24017E-20	3.21234E-17	hif1a1	ZDB-GENE-040426-1315	hif1a1
ENSDARG00000077236	83.05563514	-2.480500962	0.273829557	-9.058558145	1.32186E-19	3.04352E-16	hspb6	ZDB-GENE-080214-7	hspb6
ENSDARG00000033566	5.085319212	-7.003773479	0.793173576	-8.830064047	1.04616E-18	2.16785E-15	cyp17a1	ZDB-GENE-040213-2	cyp17a1
ENSDARG00000075191	16.82518752	3.050737367	0.350829717	8.695778101	3.44461E-18	6.48902E-15	oacyl	ZDB-GENE-090710-2	oacyl
ENSDARG00000069377	27.32945936	-3.831970951	0.44340043	-8.642235532	5.51236E-18	9.51893E-15	si:dkey-242g16.2	ZDB-GENE-030131-8324	si:dkey-242g16.2
ENSDARG00000045051	26.51522229	-3.083873762	0.362433193	-8.508806094	1.75733E-17	2.80119E-14	slc16a3	ZDB-GENE-030131-5487	slc16a3
ENSDARG00000058556	271.5131585	-3.214192227	0.379072063	-8.479106069	2.26931E-17	3.3589E-14	muc5.2	ZDB-GENE-121108-1	muc5.2
ENSDARG00000060797	110.737801	-1.539855366	0.184565423	-8.343141078	7.23428E-17	9.99391E-14	pfkmb	ZDB-GENE-081114-1	pfkmb
ENSDARG00000092126	11.67012718	-6.627611005	0.800350913	-8.280881415	1.22267E-16	1.58351E-13	vtg5	ZDB-GENE-001201-4	vtg5
ENSDARG00000091260	132.01416	-1.569348727	0.189753397	-8.270464485	1.33438E-16	1.62653E-12	mylk4a	ZDB-GENE-120824-2	mylk4a
ENSDARG00000012968	185.9436121	-0.890019404	0.107959694	-8.243997109	1.66551E-16	1.91737E-13	rhoub	ZDB-GENE-050417-308	rhoub
ENSDARG00000105039	26.6577159	-3.138614957	0.383205147	-8.190430063	2.60294E-16	2.83885E-13	phka1b	ZDB-GENE-091204-81	phka1b
ENSDARG00000001975	289.4978447	-1.290576384	0.157996524	-8.168384657	3.12546E-16	3.23829E-13	hsd11b2	ZDB-GENE-030131-6030	hsd11b2
ENSDARG00000088524	4.051002146	-6.874989625	0.847893368	-8.108318666	5.1325E-16	5.06455E-13	acot17	ZDB-GENE-040426-2381	acot17
ENSDARG00000070714	9.98505016	-33.58010325	4.152712757	-8.086305319	6.15019E-16	5.79292E-13	zgc:173544	ZDB-GENE-030131-6229	zgc:173544
ENSDARG00000093494	34.30948456	-2.033662583	0.254709799	-7.984233781	1.41398E-15	1.27393E-12	si:ch211-217k17.9	ZDB-GENE-061207-21	si:ch211-217k17.9
ENSDARG00000009505	362.0432403	-1.449664132	0.181777588	-7.97493324	1.52463E-15	1.31639E-12	prelid3b	ZDB-GENE-031002-13	prelid3b
ENSDARG00000101749	211.071462	1.41032642	0.177451797	7.947659256	1.90069E-15	1.57243E-12	zgc:92161	ZDB-GENE-040912-22	zgc:92161
ENSDARG00000055412	43.67825506	-1.944820671	0.244967796	-7.939087117	2.03675E-15	1.57243E-12	mylk4b	ZDB-GENE-041001-128	mylk4b
ENSDARG00000068194	97.25695768	-2.855314868	0.359718098	-7.93764585	2.06055E-15	1.57243E-12	kif9	ZDB-GENE-060526-244	kif9
ENSDARG00000076520	26.53038433	-2.444037638	0.308052243	-7.93384139	2.12469E-15	1.57243E-12	mafb	ZDB-GENE-141211-38	mafb
ENSDARG00000013522	2580.434149	-3.181709413	0.406975515	-7.817938166	5.36956E-15	3.83683E-12	pck1	ZDB-GENE-030909-11	pck1
ENSDARG00000041699	9.842091584	-5.524450833	0.707786899	-7.805245956	5.93856E-15	4.10196E-12	piwil1	ZDB-GENE-030813-2	piwil1
ENSDARG00000019360	610.6562594	-0.952361319	0.122170983	-7.795315206	6.42479E-15	4.29466E-12	sec23b	ZDB-GENE-030131-5479	sec23b
ENSDARG00000097559	8.300124602	-3.46938039	0.448527934	-7.735037496	1.03373E-14	6.69402E-12	cyp8b3	ZDB-GENE-040912-153	cyp8b3
ENSDARG00000006137	12.64481614	-6.228064986	0.816077645	-7.631706399	2.31667E-14	1.43185E-11	star	ZDB-GENE-001120-3	star
ENSDARG00000071288	18.08099953	-2.126846078	0.278751435	-7.629901795	2.34933E-14	1.43185E-11	samhd1	ZDB-GENE-090313-386	samhd1
ENSDARG00000068372	9.569120113	-7.795861532	1.024137936	-7.612120652	2.69635E-14	1.59639E-11	zgc:158427	ZDB-GENE-061215-110	zgc:158427
ENSDARG00000038639	20.44349338	-3.27976828	0.431562193	-7.599758116	2.96685E-14	1.70775E-11	elovl6l	ZDB-GENE-031110-3	elovl6l
ENSDARG00000079034	21.34392507	-5.729743464	0.75449807	-7.594112814	3.09908E-14	1.73565E-11	si:dkey-19b23.11	ZDB-GENE-030131-6199	si:dkey-19b23.11
ENSDARG00000007465	7.343648742	-5.825017443	0.769546136	-7.569419389	3.74896E-14	2.04437E-11	tldr1	ZDB-GENE-070803-1	tldr1
ENSDARG00000018621	310.8632036	-2.40740951	0.321890996	-7.47895883	7.49137E-14	3.98042E-11	slc6a19a.1	ZDB-GENE-070620-2	slc6a19a.1
ENSDARG00000036180	11.6321778	-4.7781521	0.641929966	-7.443416505	9.81141E-14	5.0828E-11	ccnb2	ZDB-GENE-030429-12	ccnb2
ENSDARG00000027744	167.5747259	-2.230812731	0.300827632	-7.415584531	1.2109E-13	6.12004E-11	gadd45ba	ZDB-GENE-040426-1971	gadd45ba
ENSDARG00000029075	97.61254822	-1.310765475	0.176899735	-7.409651986	1.26631E-13	6.24775E-11	pfkfb4b	ZDB-GENE-031031-4	pfkfb4b
ENSDARG00000041607	158.3568523	-1.026248028	0.13862312	-7.403151978	1.32989E-13	6.40885E-11	eif4ebp3l	ZDB-GENE-030826-26	eif4ebp3l
ENSDARG00000037618	102.7295178	-3.424264411	0.464434911	-7.372969447	1.66869E-13	7.85876E-11	ddit4	ZDB-GENE-031002-35	ddit4

ENSDARG00000074289	16.57294797	-5.684151198	0.77679827	-7.317409703	2.52803E-13	1.16413E-10	tuba4l	ZDB-GENE-030131-5588	tuba4l
ENSDARG00000000796	190.208268	-1.573081492	0.215752792	-7.291129237	3.07368E-13	1.38462E-10	nr4a1	ZDB-GENE-040704-11	nr4a1
ENSDARG00000011665	2404.031379	-1.29239652	0.177406687	-7.284936891	3.21821E-13	1.41889E-10	aldoaa	ZDB-GENE-030131-8369	aldoaa
ENSDARG00000096712	145.2698687	-1.702281973	0.23414863	-7.270091534	3.59244E-13	1.52797E-10	si:dkey-193p11.2	ZDB-GENE-030131-8407	si:dkey-193p11.2
ENSDARG00000061368	130.392681	-1.316514965	0.181105731	-7.269316978	3.6131E-13	1.52797E-10	klf13	ZDB-GENE-060929-1274	klf13
ENSDARG00000075666	286.2778819	-1.861028619	0.257248516	-7.234360938	4.67726E-13	1.93844E-10	tsc22d3	ZDB-GENE-040426-1433	tsc22d3
ENSDARG00000074526	38.01897527	-2.928271405	0.407972481	-7.177619924	7.09354E-13	2.8822E-10	zbtb16b	ZDB-GENE-100923-1	zbtb16b
ENSDARG00000097556	12.12683591	-2.234915837	0.314232057	-7.112310106	1.14116E-12	4.54754E-10	cyp8b2	ZDB-GENE-080212-9	cyp8b2
ENSDARG00000026771	89.17723123	-1.29410377	0.1826781	-7.084066294	1.39985E-12	5.47315E-10	tmem41ab	ZDB-GENE-040426-2050	tmem41ab
ENSDARG00000013856	7064.840046	1.733774208	0.245120574	7.073148452	1.51457E-12	5.81203E-10	amy2a	ZDB-GENE-040426-2393	amy2a
ENSDARG00000013721	2181.888068	-1.651215022	0.234681848	-7.035972484	1.97876E-12	7.40463E-10	g6pca.2	ZDB-GENE-050309-17	g6pca.2
ENSDARG00000099517	448.5743415	-1.242657189	0.176654072	-7.034410096	2.00106E-12	7.40463E-10	adssl1	ZDB-GENE-040516-18	adssl1
ENSDARG000000104576	178.9488895	-2.573172624	0.369489831	-6.964122977	3.30456E-12	1.20135E-09	si:ch211-152c8.5	ZDB-GENE-030131-5764	si:ch211-152c8.5
ENSDARG00000093255	17.430777	-26.0535748	3.750936317	-6.945885666	3.76093E-12	1.34369E-09	si:dkey-229d11.3	ZDB-GENE-091117-40	si:dkey-229d11.3
ENSDARG00000003820	236.1325412	-2.785263321	0.405599331	-6.867031346	6.55517E-12	2.30231E-09	nr1d2a	ZDB-GENE-040504-1	nr1d2a
ENSDARG00000095615	31.66633725	-2.12677519	0.311629106	-6.824707579	8.81046E-12	3.04284E-09	si:dkeyp-86h10.3	ZDB-GENE-100922-65	si:dkeyp-86h10.3
ENSDARG00000055518	760.7427117	-1.407895036	0.207274878	-6.792405573	1.10279E-11	3.74623E-09	pygma	ZDB-GENE-050522-482	pygma
ENSDARG00000069888	106.9338544	-1.265595583	0.186631017	-6.781271429	1.19123E-11	3.98139E-09	cldna	ZDB-GENE-010328-1	cldna
ENSDARG000000103038	97.76709608	-1.014177697	0.150102891	-6.756550071	1.41316E-11	4.64818E-09	pik3r3a	ZDB-GENE-040426-1978	pik3r3a
ENSDARG00000042904	331.8452996	-0.90578088	0.135456062	-6.686898092	2.2795E-11	7.38061E-09	foxo3b	ZDB-GENE-990708-6	foxo3b
ENSDARG00000014373	7.630342945	-6.264472453	0.937226495	-6.684053944	2.32421E-11	7.40959E-09	ddx4	ZDB-GENE-990415-272	ddx4 vasa
ENSDARG00000068708	207.9882285	-0.878767789	0.131873522	-6.663716688	2.66988E-11	8.30409E-09	ifrd1	ZDB-GENE-030131-6132	ifrd1
ENSDARG00000020239	299.4418007	-1.768210126	0.265381851	-6.662890171	2.68494E-11	8.30409E-09	lpin1	ZDB-GENE-080722-2	lpin1
ENSDARG00000070709	30.584484	-9.929919218	1.495174919	-6.641309384	3.10909E-11	9.36354E-09	wu:fi42e03	ZDB-GENE-030131-6284	wu:fi42e03
ENSDARG00000096095	9.562828454	-6.314662714	0.950875435	-6.64089373	3.11787E-11	9.36354E-09	buc	ZDB-GENE-070117-694	buc
ENSDARG000000105346	9.045770897	-32.83261874	4.951308003	-6.631100048	3.33194E-11	9.8635E-09	zp.2	ZDB-GENE-010622-1	zp.2
ENSDARG00000044010	76.68547307	-1.317528147	0.198767991	-6.628472433	3.39178E-11	9.89923E-09	loxl2a	ZDB-GENE-070818-1	loxl2a
ENSDARG000000115257	18.9305605	2.878232777	0.43459686	6.622764771	3.52542E-11	1.01463E-08	si:ch73-338o16.4	ZDB-GENE-131119-14	si:ch73-338o16.4
ENSDARG00000031616	56.80693832	-1.440140411	0.21807203	-6.603966645	4.003E-11	1.1363E-08	g6pca.1	ZDB-GENE-031001-4	g6pca.1
ENSDARG00000014053	67.45986768	-2.1829591	0.330973988	-6.595560922	4.23651E-11	1.18634E-08	olfm1b	ZDB-GENE-040801-228	olfm1b
ENSDARG00000011122	141.8906159	-1.537470684	0.233378489	-6.58788516	4.46135E-11	1.23264E-08	pptc7a	ZDB-GENE-041114-74	pptc7a
ENSDARG00000030604	41.90260072	-1.30012524	0.19760085	-6.579552884	4.71865E-11	1.28658E-08	phkg1a	ZDB-GENE-061103-385	phkg1a
ENSDARG00000011618	101.6020293	-1.503829328	0.229688247	-6.547262855	5.86012E-11	1.57706E-08	slc26a2	ZDB-GENE-030717-3	slc26a2
ENSDARG00000043154	277.2062963	-1.058203465	0.161861149	-6.537723672	6.24622E-11	1.65941E-08	ucp2	ZDB-GENE-990708-8	ucp2
ENSDARG00000087303	376.4473634	-1.305305118	0.199975768	-6.527316442	6.69585E-11	1.75635E-08	cebpd	ZDB-GENE-020111-4	cebpd
ENSDARG00000070052	9.515912892	-3.461847514	0.532267133	-6.503966334	7.82294E-11	2.02634E-08	tldr6	ZDB-GENE-041001-210	tldr6
ENSDARG00000015611	34.07155095	-1.385331788	0.217298131	-6.375258655	1.82654E-10	4.6728E-08	rasl11b	ZDB-GENE-040426-793	rasl11b
ENSDARG000000100528	4.811134859	-6.61828948	1.041757592	-6.353003359	2.11151E-10	5.33594E-08	map1lc3c	ZDB-GENE-040426-1080	map1lc3c
ENSDARG00000058371	7784.575101	-0.960324138	0.15176288	-6.327793308	2.48692E-10	6.20891E-08	krt5	ZDB-GENE-991110-23	krt5
ENSDARG00000086856	56.76127004	-1.278502966	0.202184314	-6.32345281	2.55782E-10	6.30991E-08	stk35	ZDB-GENE-061103-553	stk35
ENSDARG00000097877	164.6195781	-0.801172969	0.126986377	-6.309125341	2.80617E-10	6.84111E-08	si:ch211-167b20.8	ZDB-GENE-081104-147	si:ch211-167b20.8
ENSDARG00000069498	13.38539347	-1.772583138	0.282026695	-6.285160826	3.27514E-10	7.89158E-08	phkg1b	ZDB-GENE-050522-52	phkg1b
ENSDARG00000069926	1.996948122	-5.253830076	0.836708515	-6.27916411	3.40398E-10	8.10774E-08	hsd3b1	ZDB-GENE-081105-30	hsd3b1
ENSDARG00000033140	19.26124149	-1.847264856	0.294292223	-6.276974764	3.45224E-10	8.12924E-08	desi1a	ZDB-GENE-040426-1657	desi1a
ENSDARG000000100352	115.3934128	-1.70640924	0.27211358	-6.2709448	3.58864E-10	8.35548E-08	aglb	ZDB-GENE-050309-54	aglb
ENSDARG00000069381	26.06185693	3.846613473	0.615298837	6.251618302	4.06221E-10	9.35302E-08	si:ch211-125e6.5	ZDB-GENE-070912-39	si:ch211-125e6.5

ENSDARG00000020298	119.7201683	-1.61389447	0.260020675	-6.206792875	5.40768E-10	1.23141E-07	btg2	ZDB-GENE-000210-15	btg2
ENSDARG00000069735	21.67953976	-3.758726954	0.607821533	-6.183931874	6.25244E-10	1.40783E-07	hbaa2	ZDB-GENE-081104-38	hbaa2
ENSDARG00000097959	167.2246746	-1.811240398	0.292972975	-6.182278062	6.31831E-10	1.40783E-07	si:dkey-248g15.3	ZDB-GENE-131127-95	si:dkey-248g15.3
ENSDARG00000087188	458.710279	-1.53415809	0.248282479	-6.17908317	6.44749E-10	1.42133E-07	nfil3-6	ZDB-GENE-040704-63	nfil3-6
ENSDARG00000088762	7.59543125	-2.428237715	0.394088268	-6.161659483	7.19865E-10	1.57022E-07	si:ch211-224l10.4	ZDB-GENE-090312-125	si:ch211-224l10.4
ENSDARG00000041433	553.2621876	-1.822257751	0.296027972	-6.155694481	7.47492E-10	1.61349E-07	si:dkey-7c18.24	ZDB-GENE-041014-63	si:dkey-7c18.24
ENSDARG00000007184	36.17916022	-2.085442995	0.339288584	-6.146516834	7.92029E-10	1.692E-07	zbtb16a	ZDB-GENE-030131-1989	zbtb16a
ENSDARG00000034600	116.7635806	-0.682732697	0.111286548	-6.134907664	8.52087E-10	1.80173E-07	tmem165	ZDB-GENE-030131-3222	tmem165
ENSDARG00000095281	45.24238569	-11.68848782	1.911892489	-6.113569611	9.74268E-10	2.03927E-07	zgc:152652	ZDB-GENE-060818-27	zgc:152652
ENSDARG00000056141	226.4510902	-0.672873856	0.110145274	-6.108967093	1.00278E-09	2.07796E-07	coq10b	ZDB-GENE-050417-263	coq10b
ENSDARG00000054978	175.347479	1.112136707	0.184894282	6.014987019	1.79901E-09	3.691E-07	kifc3	ZDB-GENE-030131-3724	kifc3
ENSDARG00000013453	4.703768791	-4.22563219	0.705652421	-5.98826287	2.12094E-09	4.30884E-07	tdrd9		
ENSDARG00000039828	9.65399588	-6.119102629	1.024527449	-5.972609746	2.33488E-09	4.69742E-07	zp3b	ZDB-GENE-031124-2	zp3b
ENSDARG00000019706	9.293315543	-6.193729972	1.04040734	-5.953177887	2.62985E-09	5.23998E-07	zar1	ZDB-GENE-030818-1	zar1
ENSDARG00000042807	134.0536702	-1.037358129	0.174354126	-5.949719426	2.68603E-09	5.30093E-07	slc16a4	ZDB-GENE-070112-602	slc16a4
ENSDARG00000069630	882.3899949	1.051567087	0.177300628	5.930983433	3.01126E-09	5.88672E-07	tat	ZDB-GENE-030131-1144	tat
ENSDARG00000014039	4.000310908	-4.926383797	0.831589671	-5.924056018	3.14096E-09	6.0829E-07	si:dkeyp-93d12.1	ZDB-GENE-041014-303	si:dkeyp-93d12.1
ENSDARG00000116430	5.118997162	-3.091474444	0.525310084	-5.885046831	3.97941E-09	7.63531E-07	si:ch73-329n5.2	ZDB-GENE-131121-66	si:ch73-329n5.2
ENSDARG00000014357	3.385509596	-4.86613215	0.828481265	-5.873557261	4.26542E-09	8.10899E-07	amh	ZDB-GENE-050706-192	amh
ENSDARG00000095434	14.43394992	-2.347673994	0.40014516	-5.867055837	4.43601E-09	8.35664E-07	si:ch211-217k17.8	ZDB-GENE-031010-46	si:ch211-217k17.8
ENSDARG00000055118	175.969061	-1.096436745	0.187447345	-5.84930528	4.9363E-09	9.21532E-07	mylipb	ZDB-GENE-061027-67	mylipb
ENSDARG00000069758	3.849424386	-5.91578918	1.011707827	-5.847329655	4.99527E-09	9.24214E-07	si:dkey-189g17.2	ZDB-GENE-030131-5562	si:dkey-189g17.2
ENSDARG00000008454	9.086910879	-5.244104528	0.897409828	-5.843600509	5.10845E-09	9.36789E-07	cpeb1b	ZDB-GENE-990927-1	cpeb1b
ENSDARG00000069251	24.82923085	-8.097964965	1.389611695	-5.827502024	5.62632E-09	1.02271E-06	si:dkeyp-50f7.2	ZDB-GENE-030131-5968	si:dkeyp-50f7.2
ENSDARG00000056387	4.087708094	-4.435165405	0.76149893	-5.824256914	5.73673E-09	1.03371E-06	rnf17	ZDB-GENE-030131-6451	rnf17
ENSDARG00000069734	26.05122144	-3.871103173	0.665735882	-5.814773216	6.07161E-09	1.08462E-06	hbba2	ZDB-GENE-040801-164	hbba2
ENSDARG00000102146	120.8441344	-2.72581746	0.47016855	-5.797532529	6.72977E-09	1.19192E-06	si:ch211-69b7.6	ZDB-GENE-141212-266	si:ch211-69b7.6
ENSDARG00000079308	67.30386855	-1.594766025	0.275175157	-5.795457852	6.8135E-09	1.19652E-06	tor3a	ZDB-GENE-081104-165	tor3a
ENSDARG00000036214	1.847073678	-5.743928733	0.992770763	-5.785755329	7.21872E-09	1.25703E-06	dazl	ZDB-GENE-000405-6	dazl
ENSDARG00000099060	24.91848828	-9.349301885	1.619178676	-5.774101416	7.73648E-09	1.33596E-06	zgc:111868	ZDB-GENE-050809-138	zgc:111868
ENSDARG00000100599	35.19697253	1.204734711	0.209312964	5.755662169	8.63028E-09	1.47799E-06	c1s	ZDB-GENE-030131-1232	c1s
ENSDARG00000020645	132.314852	-1.137437959	0.197967833	-5.745569587	9.16121E-09	1.55605E-06	slc7a3a	ZDB-GENE-041114-206	slc7a3a
ENSDARG00000036967	78.78671247	-0.921151659	0.162099441	-5.682633146	1.32637E-08	2.23455E-06	smox	ZDB-GENE-031201-3	smox
ENSDARG00000062601	5.403200956	-3.860202804	0.681882529	-5.661096507	1.50409E-08	2.51353E-06	piwil2	ZDB-GENE-060526-345	piwil2
ENSDARG00000101251	1274.265908	-0.769453015	0.136214738	-5.648823505	1.6155E-08	2.6781E-06	ldha	ZDB-GENE-991026-5	ldha
ENSDARG00000089724	21.815473	-1.960338692	0.347694189	-5.638111747	1.71925E-08	2.82748E-06	cyldb	ZDB-GENE-100208-1	cyldb
ENSDARG00000061994	748.3631622	-0.802285354	0.142597269	-5.626232268	1.84188E-08	3.00531E-06	acacb	ZDB-GENE-060526-132	acacb
ENSDARG0000000887	4.401186429	-3.723977017	0.663398573	-5.61348361	1.98293E-08	3.21018E-06	zgc:56699	ZDB-GENE-040426-2099	zgc:56699
ENSDARG00000020749	8.084687246	-4.971841421	0.886865694	-5.606081568	2.06958E-08	3.32449E-06	caprin2	ZDB-GENE-040812-2	caprin2
ENSDARG00000101362	68.95832242	-1.214135074	0.217590694	-5.579903497	2.40652E-08	3.83599E-06	mibp	ZDB-GENE-030404-1	mibp
ENSDARG00000019417	59.63933557	-1.521249188	0.273334326	-5.565525594	2.61363E-08	4.13433E-06	gadd45ga	ZDB-GENE-040426-1882	gadd45ga
ENSDARG00000074258	28.43671042	1.502985155	0.270762592	5.550933546	2.84148E-08	4.4546E-06	gramd1bb	ZDB-GENE-140106-106	gramd1bb
ENSDARG00000102572	70.05706488	-1.270912006	0.228999205	-5.549853349	2.85909E-08	4.4546E-06	si:ch211-260e23.9	ZDB-GENE-141222-48	si:ch211-260e23.9
ENSDARG00000060112	5.556578412	-3.73009865	0.673038441	-5.542177714	2.98733E-08	4.61966E-06	sybu	ZDB-GENE-060929-1202	sybu
ENSDARG00000093584	40.98829869	-2.080133723	0.375801305	-5.535195583	3.10881E-08	4.77191E-06	zgc:193505	ZDB-GENE-030131-7103	zgc:193505
ENSDARG00000033170	29.11207634	-1.121551037	0.202701975	-5.533004989	3.14791E-08	4.79639E-06	sult2st1	ZDB-GENE-030219-114	sult2st1

ENSDARG00000088813	81.85010095	-1.272200891	0.230040948	-5.530323638	3.19641E-08	4.83474E-06	ppp1r3ab	ZDB-GENE-050309-246	ppp1r3ab
ENSDARG00000091234	36.40978774	-1.596416918	0.289181856	-5.52046018	3.38113E-08	5.07709E-06	si:ch73-335i21.4	ZDB-GENE-160728-105	si:ch73-335i21.4
ENSDARG00000101557	144.4577058	-1.122996707	0.203897004	-5.507666544	3.63621E-08	5.42084E-06	scarb1	ZDB-GENE-031126-1	scarb1
ENSDARG00000070426	961.9570551	-1.124344664	0.204190474	-5.506352203	3.66345E-08	5.42243E-06	chac1	ZDB-GENE-030131-1957	chac1
ENSDARG00000057241	56.33101744	1.091401965	0.198449261	5.49965246	3.80541E-08	5.5926E-06	tnfsf10	ZDB-GENE-040718-335	tnfsf10
ENSDARG00000015657	14.01905667	-2.53530529	0.461185988	-5.497359759	3.8552E-08	5.62587E-06	zgc:77112	ZDB-GENE-040426-2219	zgc:77112
ENSDARG00000007869	65.70277949	-0.79184632	0.144170664	-5.492423329	3.96456E-08	5.745E-06	ehd3	ZDB-GENE-041014-352	ehd3
ENSDARG00000067741	231.8302681	-0.791213873	0.144161123	-5.488399774	4.05591E-08	5.83657E-06	itpkcb	ZDB-GENE-080225-27	itpkcb
ENSDARG00000040253	62.46944014	-1.712152059	0.31267919	-5.475746743	4.3567E-08	6.22618E-06	onecutl	ZDB-GENE-020531-1	onecutl
ENSDARG00000035869	920.6705713	-0.501272508	0.091603687	-5.472187037	4.44515E-08	6.30907E-06	azin1b	ZDB-GENE-030121-1	azin1b
ENSDARG00000037995	6.38186848	-4.661973415	0.852640363	-5.467690271	4.55938E-08	6.42717E-06	gdf3	ZDB-GENE-980526-389	gdf3
ENSDARG00000020114	151.9891844	-1.071305294	0.196431888	-5.453825765	4.92975E-08	6.90232E-06	slc20a1a	ZDB-GENE-040426-2217	slc20a1a
ENSDARG00000041787	662.8261113	-0.823328956	0.151015995	-5.451932119	4.98255E-08	6.92942E-06	cx32.3	ZDB-GENE-030131-1337	cx32.3
ENSDARG00000007682	758.4870963	-1.242200547	0.228345782	-5.439997769	5.32812E-08	7.35333E-06	ppdpfa	ZDB-GENE-030219-204	ppdpfa
ENSDARG00000069100	2794.524127	0.61085324	0.11231004	5.438990476	5.35833E-08	7.35333E-06	aldh9a1a.1	ZDB-GENE-030131-1257	aldh9a1a.1
ENSDARG00000089885	53.83462165	-1.499666855	0.276005553	-5.43346624	5.52697E-08	7.53487E-06	slc16a12b	ZDB-GENE-050522-80	slc16a12b
ENSDARG00000012981	35.31998732	-1.42035821	0.261496881	-5.43164493	5.58369E-08	7.56244E-06	osbpl7	ZDB-GENE-041010-212	osbpl7
ENSDARG00000101652	16.96255046	-1.938478904	0.357970474	-5.415192152	6.12229E-08	8.23806E-06	haus6	ZDB-GENE-030131-5517	haus6
ENSDARG00000099719	14.67071504	-2.30147602	0.425263751	-5.411879134	6.23668E-08	8.33784E-06	cdkn1d	ZDB-GENE-110215-1	cdkn1d
ENSDARG00000101849	443.5503324	-0.752165613	0.139093329	-5.407632564	6.38633E-08	8.48317E-06	adipor2	ZDB-GENE-041210-60	adipor2
ENSDARG00000010266	189.2263969	-0.939300191	0.173971675	-5.399155888	6.69552E-08	8.83723E-06	igf2bp3	ZDB-GENE-000308-1	igf2bp3
ENSDARG00000055342	77.25562655	-1.144236949	0.212065729	-5.395671208	6.82679E-08	8.95346E-06	slc16a13	ZDB-GENE-120907-2	slc16a13
ENSDARG00000034048	31.16008113	1.286720912	0.239003213	5.383697139	7.29712E-08	9.51013E-06	zgc:92275	ZDB-GENE-040718-356	zgc:92275
ENSDARG00000003017	84.11291049	-0.679127981	0.127084605	-5.343904418	9.09655E-08	1.17812E-05	ube2a1	ZDB-GENE-030131-4195	ube2a1
ENSDARG00000002271	163.1787692	-0.848886823	0.159059898	-5.336900324	9.4549E-08	1.21692E-05	zfand5b	ZDB-GENE-040426-875	zfand5b
ENSDARG00000079467	9.566629182	-2.197004882	0.411812964	-5.334958031	9.55667E-08	1.22243E-05	si:ch73-15b2.5	ZDB-GENE-030131-5406	si:ch73-15b2.5
ENSDARG00000100003	177.9191593	-0.975639496	0.183022298	-5.330713825	9.78275E-08	1.24367E-05	glulb	ZDB-GENE-030131-8417	glulb
ENSDARG00000003701	5.354620319	-6.927448581	1.308715065	-5.293320729	1.20115E-07	1.5177E-05	cldng	ZDB-GENE-010328-7	cldng
ENSDARG00000116617	140.6580518	-0.857268872	0.162247749	-5.283702708	1.26599E-07	1.58993E-05	spaca4l	ZDB-GENE-101011-2	spaca4l
ENSDARG00000028804	135.6242268	-1.079103076	0.204944413	-5.26534518	1.39926E-07	1.74672E-05	ankrd9	ZDB-GENE-041114-3	ankrd9
ENSDARG00000035957	19.98072838	-2.18167153	0.415127685	-5.255422864	1.47685E-07	1.83253E-05	gmnn	ZDB-GENE-030429-30	gmnn
ENSDARG00000059646	107.7855135	-0.768929194	0.14642895	-5.251210195	1.51103E-07	1.86379E-05	nt5dc2	ZDB-GENE-060810-17	nt5dc2
ENSDARG00000035719	47.81105902	-1.794218458	0.342157068	-5.243844503	1.57265E-07	1.92831E-05	arl5c	ZDB-GENE-040426-1866	arl5c
ENSDARG00000029497	46.63571565	-1.620986592	0.309220772	-5.242165925	1.58703E-07	1.92985E-05	tfcp2l1	ZDB-GENE-040704-58	tfcp2l1
ENSDARG00000016545	82.18082003	-0.78572376	0.149906534	-5.241424361	1.59342E-07	1.92985E-05	zgc:154046	ZDB-GENE-061103-289	zgc:154046
ENSDARG00000109626	24.11569778	-1.762837056	0.336390293	-5.240451619	1.60184E-07	1.92985E-05	si:ch211-226h7.3	ZDB-GENE-130531-9	si:ch211-226h7.3
ENSDARG00000115978	13.24877026	-4.058921686	0.775911882	-5.231163205	1.68447E-07	2.01766E-05	AL935186.9		
ENSDARG00000025218	78.43560954	-0.676634824	0.129621373	-5.220086845	1.78839E-07	2.12983E-05	myo5ab	ZDB-GENE-050411-72	myo5ab
ENSDARG00000042667	576.2979129	-1.448999857	0.277785067	-5.216262601	1.82569E-07	2.16183E-05	klf2a	ZDB-GENE-011109-1	klf2a
ENSDARG00000016143	127.8139121	-0.784682157	0.150598778	-5.210415161	1.88419E-07	2.21841E-05	xiap	ZDB-GENE-030825-7	xiap
ENSDARG00000097205	244.3177908	-1.013005774	0.194565246	-5.206509357	1.92426E-07	2.2528E-05	ulk2	ZDB-GENE-090218-30	ulk2
ENSDARG00000021439	691.9110344	-0.538635307	0.103507382	-5.203834729	1.95218E-07	2.27264E-05	ncoa4	ZDB-GENE-040426-689	ncoa4
ENSDARG00000007086	193.6672324	-1.159309909	0.223140126	-5.195434499	2.04242E-07	2.35301E-05	aqp10a	ZDB-GENE-040718-40	aqp10a
ENSDARG00000069946	300.5415561	-0.88685318	0.170703058	-5.195297541	2.04393E-07	2.35301E-05	itga6b	ZDB-GENE-050320-5	itga6b
ENSDARG00000012199	111.2853656	-1.012722462	0.195550905	-5.178817577	2.23297E-07	2.55644E-05	gpt2	ZDB-GENE-030729-8	gpt2
ENSDARG00000039208	103.3672746	-1.628752866	0.31476391	-5.174522289	2.28495E-07	2.60158E-05	nasp	ZDB-GENE-030131-5511	nasp

ENSDARG00000100792	1075.127895	-1.276844706	0.246882653	-5.171868855	2.31764E-07	2.62009E-05	zgc:154142	ZDB-GENE-070615-2	zgc:154142
ENSDARG00000112959	360.547733	-0.965354075	0.186702721	-5.170541018	2.33417E-07	2.62009E-05	CABZ01072309.1		
ENSDARG00000103428	398.4902431	-0.687091449	0.132896013	-5.170143445	2.33914E-07	2.62009E-05	ogdhh	ZDB-GENE-090311-8	ogdhh
ENSDARG00000091209	71.94187003	-1.769691415	0.342780334	-5.162756556	2.4334E-07	2.71101E-05	ucp3	ZDB-GENE-040426-1317	ucp3
ENSDARG00000090768	16.57710413	-9.447299071	1.834149504	-5.150779177	2.59406E-07	2.87456E-05	zp3.2	ZDB-GENE-071004-54	zgc:173556
ENSDARG00000090768	16.57710413	-9.447299071	1.834149504	-5.150779177	2.59406E-07	2.87456E-05	zp3.2	ZDB-GENE-050626-121	zp3.2
ENSDARG00000092551	5.668152371	-3.517026138	0.683522309	-5.145444548	2.66888E-07	2.94173E-05	si:dkey-56e3.2	ZDB-GENE-090313-316	si:dkey-56e3.2
ENSDARG00000038106	119.5873487	-0.621707446	0.120870315	-5.143590851	2.69536E-07	2.9552E-05	slc37a4a	ZDB-GENE-040426-2230	slc37a4a
ENSDARG00000019208	9.701048629	-2.069978408	0.402725121	-5.139928701	2.74843E-07	2.99752E-05	camsap1a	ZDB-GENE-060518-4	camsap1a
ENSDARG00000044325	3.286386638	-3.898016302	0.75992537	-5.129472521	2.90555E-07	3.1523E-05	zgc:193690	ZDB-GENE-080721-12	zgc:193690
ENSDARG00000078638	15.44667221	-25.81667087	5.042430299	-5.11988651	3.0572E-07	3.29954E-05	zgc:171750	ZDB-GENE-071004-30	zgc:171750
ENSDARG00000098761	25.45616945	-1.694522333	0.331403608	-5.113168034	3.168E-07	3.40142E-05	rgs2	ZDB-GENE-040718-410	rgs2
ENSDARG00000045015	126.3802921	2.544689869	0.498046661	5.109340289	3.23286E-07	3.45316E-05	cyp27b1	ZDB-GENE-111005-2	cyp27b1
ENSDARG00000099959	1303.260766	-1.849270088	0.362823169	-5.096890838	3.45277E-07	3.66915E-05	smyhc1	ZDB-GENE-030131-271	smyhc1
ENSDARG00000037532	4.291787297	-4.199373567	0.826104097	-5.083346736	3.70842E-07	3.92071E-05	mcm3l	ZDB-GENE-040121-2	mcm3l
ENSDARG00000002988	66.98560687	-1.357469663	0.267341004	-5.077671002	3.8209E-07	4.01912E-05	tnnt2d	ZDB-GENE-050626-97	tnnt2d
ENSDARG00000055250	7.502568723	-6.733813677	1.32693947	-5.074695441	3.88117E-07	4.0619E-05	si:ch211-132b12.8	ZDB-GENE-030131-5453	si:ch211-132b12.8
ENSDARG00000095486	5.762329285	-30.2596911	5.970611435	-5.068105911	4.01794E-07	4.18391E-05	CU467646.2		
ENSDARG00000115817	13.85680544	0.2022701095	5.970314145	-5.062884501	4.1296E-07	4.24517E-05	si:dkey-46g23.2	ZDB-GENE-070705-476	si:dkey-46g23.2
ENSDARG00000028295	23.11905057	-1.745463881	0.344836569	-5.0617134	4.15505E-07	4.24517E-05	mkrn4	ZDB-GENE-030131-5954	mkrn4
ENSDARG00000059824	39.90990609	-2.405219262	0.475185482	-5.061642987	4.15659E-07	4.24517E-05	soat2	ZDB-GENE-061013-742	soat2
ENSDARG00000099776	551.4279428	-1.117872979	0.220856068	-5.061545244	4.15872E-07	4.24517E-05	glula	ZDB-GENE-030131-688	glula
ENSDARG00000094392	32.88691462	-11.16827273	2.20981483	-5.053940526	4.32786E-07	4.39618E-05	si:dkey-229d11.5	ZDB-GENE-030131-5342	si:dkey-229d11.5
ENSDARG00000079104	53.51861546	0.640382678	0.126931962	5.045086121	4.53317E-07	4.57011E-05	mphas1	ZDB-GENE-080917-20	mphas1
ENSDARG00000011245	72.2479883	-0.921570662	0.182682293	-5.044663307	4.54321E-07	4.57011E-05	esrp1	ZDB-GENE-070112-1732	esrp1
ENSDARG00000023479	9.768034571	-5.663985082	1.123762448	-5.040197856	4.65051E-07	4.65545E-05	lrp13	ZDB-GENE-130729-1	lrp13
ENSDARG00000096739	414.1552786	0.856977232	0.170082389	5.038600642	4.68948E-07	4.67189E-05	si:dkey-219e21.2	ZDB-GENE-141215-26	si:dkey-219e21.2
ENSDARG00000069615	423.9524308	-1.203129128	0.238958101	-5.034895745	4.78109E-07	4.74037E-05	ckmt2a	ZDB-GENE-030131-5717	ckmt2a
ENSDARG00000024478	188.1462267	-0.575773551	0.114453755	-5.030621785	4.88892E-07	4.79692E-05	mpc2	ZDB-GENE-030131-330	mpc2
ENSDARG00000115205	11.98062755	-9.291211627	1.847097789	-5.030167696	4.90051E-07	4.79692E-05	zgc:171445	ZDB-GENE-080205-2	zgc:171445
ENSDARG00000059507	23.6779285	0.988930051	0.196610603	5.029891765	4.90757E-07	4.79692E-05	si:dkey-163m14.2	ZDB-GENE-120215-47	si:dkey-163m14.2
ENSDARG00000093024	190.8380221	0.786439704	0.156474252	5.026000715	5.00814E-07	4.87224E-05	si:ch211-213a13.2	ZDB-GENE-050208-551	si:ch211-213a13.2
ENSDARG00000017049	156.2836699	-0.641481363	0.127820075	-5.018627665	5.20419E-07	5.02518E-05	adsl	ZDB-GENE-030131-6363	adsl
ENSDARG00000034207	12.7536379	-1.837657256	0.36619329	-5.01827124	5.21385E-07	5.02518E-05	cx44.2	ZDB-GENE-010619-1	cx44.2
ENSDARG00000025428	76.81668131	-1.740975752	0.348361919	-4.997606383	5.80463E-07	5.56868E-05	socs3a	ZDB-GENE-030131-7349	socs3a
ENSDARG00000102362	174.7170902	-0.568205734	0.114055413	-4.981839279	6.29827E-07	6.01442E-05	slc25a12	ZDB-GENE-031006-11	slc25a12
ENSDARG00000013946	92.34589176	-0.798394275	0.160833116	-4.964116193	6.90146E-07	6.56019E-05	ivns1abpb	ZDB-GENE-030131-6266	ivns1abpb
ENSDARG00000115610	369.8647104	1.003737247	0.202413239	4.958851751	7.09111E-07	6.70967E-05	ccl25a	ZDB-GENE-110222-1	ccl25a
ENSDARG00000090870	40.26331531	-10.15387801	2.049651135	-4.953954281	7.27203E-07	6.84959E-05	si:ch1073-263o8.2	ZDB-GENE-030131-5362	si:ch1073-263o8.2
ENSDARG00000005840	343.5433007	-0.563235796	0.113918051	-4.944219018	7.64497E-07	7.16829E-05	got2b	ZDB-GENE-030131-7917	got2b
ENSDARG00000032808	2.815566552	-5.103118592	1.037166035	-4.920252323	8.64327E-07	8.06783E-05	tdrd7a	ZDB-GENE-040426-2103	tdrd7a
ENSDARG00000101778	187.6060301	-0.769217507	0.156377881	-4.918966169	8.70025E-07	8.0846E-05	ca5a	ZDB-GENE-080220-57	ca5a
ENSDARG00000012485	16.12274783	-1.967754518	0.400846948	-4.908992145	9.15456E-07	8.46879E-05	aurka	ZDB-GENE-040801-161	aurka
ENSDARG00000058693	1360.92534	-0.455502016	0.092829388	-4.906872992	9.25399E-07	8.52272E-05	cast	ZDB-GENE-050810-2	cast
ENSDARG00000042129	10.64015137	-7.607211065	1.551143005	-4.904261593	9.37794E-07	8.59866E-05	zp3a.1	ZDB-GENE-040727-1	zp3a.1
ENSDARG00000042866	48.88663001	-0.929109284	0.189524137	-4.902326942	9.4708E-07	8.61939E-05	cx35.4	ZDB-GENE-050417-174	cx35.4

ENSDARG00000099801	2.66403747	-5.019249254	1.023906348	-4.902058927	9.48374E-07	8.61939E-05	topaz1	ZDB-GENE-130117-1	topaz1
ENSDARG00000102892	14.64996812	-9.237661077	1.885979513	-4.898070746	9.67822E-07	8.75773E-05	h1m	ZDB-GENE-030131-5614	h1m
ENSDARG00000012366	48.00462376	-0.985925278	0.201763286	-4.886544507	1.02621E-06	9.24572E-05	fbp2	ZDB-GENE-040822-23	fbp2
ENSDARG00000004823	2.032907526	-5.244981785	1.074933727	-4.879353631	1.06434E-06	9.54774E-05	asz1	ZDB-GENE-040426-988	asz1
ENSDARG00000063572	867.7332935	-0.562098571	0.115271779	-4.876289563	1.081E-06	9.65537E-05	perp	ZDB-GENE-050104-1	perp
ENSDARG00000051923	43.84884501	-1.826862133	0.375125593	-4.870001324	1.11598E-06	9.92499E-05	ccnb1	ZDB-GENE-000406-10	ccnb1
ENSDARG00000039020	10.120603	-2.227708392	0.457916533	-4.864878704	1.14527E-06	0.00010142	fbxo5	ZDB-GENE-030131-4027	fbxo5
ENSDARG00000012539	164.8066131	1.058753927	0.21799499	4.856781014	1.19309E-06	0.000105206	dnase1	ZDB-GENE-040718-423	dnase1
ENSDARG00000006112	108.4870623	-0.641947485	0.132222202	-4.855065766	1.20347E-06	0.000105671	myof	ZDB-GENE-040426-1138	myof
ENSDARG00000044774	5.807763861	-3.408448977	0.702226089	-4.85363896	1.21216E-06	0.000105772	pou5f3	ZDB-GENE-980526-485	pou5f3
ENSDARG000000101585	228.8282023	-1.062684923	0.218965702	-4.853202628	1.21483E-06	0.000105772	teca	ZDB-GENE-090930-1	teca
ENSDARG00000010572	306.5762937	-1.499441056	0.309116139	-4.850736886	1.23004E-06	0.000106648	slc25a25a	ZDB-GENE-040426-2396	slc25a25a
ENSDARG00000042620	1601.330862	0.590697978	0.121808171	4.849411753	1.23828E-06	0.000106915	gstr	ZDB-GENE-090507-1	gstr
ENSDARG00000015709	69.10498739	-0.954395138	0.197054689	-4.843300816	1.277E-06	0.000109801	hsd17b12a	ZDB-GENE-030131-5628	hsd17b12a
ENSDARG00000008732	148.2634773	-0.700809157	0.144889278	-4.836860039	1.31906E-06	0.000112949	zgc:66479	ZDB-GENE-031030-10	zgc:66479
ENSDARG00000034181	79.02328018	-1.087741434	0.225685187	-4.819728981	1.43753E-06	0.000122587	esr2b	ZDB-GENE-030116-1	esr2b
ENSDARG00000004692	97.67011629	-0.67859413	0.140913155	-4.81569041	1.46692E-06	0.00012458	nabp1a	ZDB-GENE-041212-71	nabp1a
ENSDARG00000090337	146.9676828	-1.243475303	0.258583297	-4.808799782	1.51839E-06	0.000128425	pprc1	ZDB-GENE-030131-9858	pprc1
ENSDARG00000051854	15.15447836	-2.066447105	0.430539719	-4.79966659	1.5893E-06	0.000133876	cdt1	ZDB-GENE-070111-1	cdt1
ENSDARG00000037894	72.14167567	0.874090201	0.182282766	4.795243225	1.62478E-06	0.00013631	ezh1	ZDB-GENE-050114-1	ezh1
ENSDARG00000099954	95.05040735	-0.631776044	0.131782735	-4.794072943	1.63429E-06	0.000136555	plekhm1	ZDB-GENE-030131-2752	plekhm1
ENSDARG00000086272	10.44936076	-1.638255826	0.342276428	-4.786353052	1.69839E-06	0.000141342	si:dkey-4p15.5	ZDB-GENE-121214-193	si:dkey-4p15.5
ENSDARG00000041723	29.63809375	-1.584883134	0.331628013	-4.779099082	1.76082E-06	0.000145951	zgc:55461	ZDB-GENE-040426-2879	zgc:55461
ENSDARG00000061778	12.28927138	-1.970873901	0.412628659	-4.776386362	1.78473E-06	0.000147344	fmn2b	ZDB-GENE-080225-35	fmn2b
ENSDARG00000069250	83.32757352	1.002755079	0.210003549	4.774943496	1.79758E-06	0.000147815	uaca	ZDB-GENE-050419-37	uaca
ENSDARG00000044562	924.7596173	-0.811416687	0.170111523	-4.76991019	1.84308E-06	0.000150958	cycsb	ZDB-GENE-040625-38	cycsb
ENSDARG00000071495	55.68858541	1.373922276	0.288140444	4.768238221	1.85844E-06	0.000151275	sult3st5	ZDB-GENE-060503-722	sult3st5
ENSDARG00000070961	107.3871962	-0.694457286	0.145652627	-4.76790085	1.86155E-06	0.000151275	lepr	ZDB-GENE-080104-1	lepr
ENSDARG00000052942	117.7639553	0.808828536	0.170196062	4.752334015	2.01082E-06	0.000162766	aspg	ZDB-GENE-070820-14	aspg
ENSDARG00000099395	24.30134421	-0.965809204	0.203362802	-4.749193037	2.0423E-06	0.000164671	cables1	ZDB-GENE-070912-509	cables1
ENSDARG00000058471	46.34395225	-1.390973785	0.293054584	-4.746466571	2.07001E-06	0.000166259	plk1	ZDB-GENE-021115-7	plk1
ENSDARG00000042737	68.3116666	-1.164354404	0.245600283	-4.740851226	2.12822E-06	0.000170133	slc52a3	ZDB-GENE-060421-4490	slc52a3
ENSDARG00000044980	68.39432323	-0.593951233	0.125299859	-4.740238629	2.13467E-06	0.000170133	kpna6	ZDB-GENE-130530-626	kpna6
ENSDARG00000020956	1841.84982	-0.594144162	0.125470293	-4.735337325	2.18691E-06	0.000173629	pck2	ZDB-GENE-040426-2266	pck2
ENSDARG00000016088	31.86267962	-1.1803203	0.249451941	-4.731654096	2.22698E-06	0.000176135	rtn2a	ZDB-GENE-060420-1	rtn2a
ENSDARG00000100265	3.786231527	-4.013855607	0.849590781	-4.72445758	2.3073E-06	0.000181794	rhcg	ZDB-GENE-040426-2595	rhcg
ENSDARG00000089245	33.38801193	-0.888596868	0.189228939	-4.720830236	2.34884E-06	0.000184366	dusp23b	ZDB-GENE-040718-163	dusp23b
ENSDARG00000025174	2.63365499	-6.605285194	1.402257715	-4.710464507	2.47153E-06	0.000192627	zgc:103482	ZDB-GENE-041010-115	zgc:103482
ENSDARG00000004745	93.97652074	-0.718985325	0.152638828	-4.710369782	2.47268E-06	0.000192627	lmbr1l	ZDB-GENE-030131-9906	lmbr1l
ENSDARG00000062370	114.8330058	-0.622149403	0.132254687	-4.704176586	2.54893E-06	0.000197574	bcl2l13	ZDB-GENE-050419-215	bcl2l13
ENSDARG00000105548	9.976444691	2.00410058	0.426071599	4.703670894	2.55525E-06	0.000197574	si:dkey-1h4.4	ZDB-GENE-160728-41	si:dkey-1h4.4
ENSDARG00000022424	113.216588	-1.142306535	0.242954574	-4.701728865	2.57968E-06	0.000198722	slc26a5	ZDB-GENE-030131-1566	slc26a5
ENSDARG00000026862	132.6967967	-0.474044485	0.100955537	-4.695576863	2.65855E-06	0.000204039	aktip	ZDB-GENE-030909-5	aktip
ENSDARG00000012789	30.43651427	-0.99596669	0.212220567	-4.693073366	2.69131E-06	0.000205791	plek2	ZDB-GENE-080219-2	plek2
ENSDARG00000055093	26.53489775	-1.4276807	0.30453648	-4.688044921	2.75827E-06	0.000209633	cdh27	ZDB-GENE-141215-13	cdh27
ENSDARG00000070178	1.427928611	-5.388510741	1.149541543	-4.687530235	2.76522E-06	0.000209633	zp3d.2	ZDB-GENE-030131-5363	zp3d.2

ENSDARG00000087363	3.157158658	-6.399853376	1.365437251	-4.687035871	2.7719E-06	0.000209633	si:dkeyp-46h3.6	ZDB-GENE-060503-90	si:dkeyp-46h3.6
ENSDARG00000045815	12.97649522	-1.80091717	0.384628825	-4.682221022	2.83783E-06	0.000213838	mcm10	ZDB-GENE-041210-42	mcm10
ENSDARG00000060438	62.42721249	-0.950438585	0.203092126	-4.679839655	2.87099E-06	0.000215553	tbl1x	ZDB-GENE-070209-131	tbl1x
ENSDARG00000011094	34.9555632	-1.473197322	0.315090411	-4.675474946	2.93274E-06	0.000219394	ccna2	ZDB-GENE-020418-1	ccna2
ENSDARG00000073764	245.1083118	-0.773185234	0.165617541	-4.668498464	3.03409E-06	0.00022616	si:ch211-113j14.1	ZDB-GENE-120215-110	si:ch211-113j14.1
ENSDARG00000106630	11.83782273	-1.636405036	0.351219173	-4.659213283	3.1742E-06	0.000235756	LO018627.1		
ENSDARG00000039093	1349.623767	-0.522382504	0.112233093	-4.65444275	3.24858E-06	0.000240418	got1	ZDB-GENE-040426-2003	got1
ENSDARG00000056639	65.99384331	1.15213592	0.247609681	4.653032607	3.27089E-06	0.000241207	carmil2	ZDB-GENE-050419-197	carmil2
ENSDARG00000042824	753.8200954	0.494970112	0.106462916	4.649225595	3.33184E-06	0.000244831	nfe2l2a	ZDB-GENE-030723-2	nfe2l2a
ENSDARG00000076594	43.1651211	0.701174289	0.150882874	4.647142992	3.36564E-06	0.000246441	pcdh12	ZDB-GENE-140106-126	pcdh12
ENSDARG00000091669	28.49608733	-1.458122359	0.313846683	-4.645970271	3.38482E-06	0.000246972	bicdl2l	ZDB-GENE-091204-161	bicdl2l
ENSDARG00000077874	16.39344225	1.62216633	0.349338077	4.64354285	3.42485E-06	0.000249017	vwa10.1	ZDB-GENE-090313-291	vwa10.1
ENSDARG00000005359	463.7898582	-0.428842594	0.092468766	-4.637702161	3.52304E-06	0.00025526	sucla2	ZDB-GENE-040426-1963	sucla2
ENSDARG00000026224	12.07440518	-1.451692361	0.314235066	-4.619765641	3.84174E-06	0.000277381	fanci	ZDB-GENE-030131-2905	fanci
ENSDARG00000102911	20.5409113	-0.821984166	0.178604625	-4.60225577	4.1794E-06	0.000300713	iffo2b	ZDB-GENE-121030-9	iffo2b
ENSDARG00000042055	44.11375974	-1.491832476	0.32424881	-4.600888057	4.20693E-06	0.000301647	fam129aa	ZDB-GENE-041014-181	fam129aa
ENSDARG00000060246	212.0253284	-1.217283851	0.264639741	-4.599777211	4.22943E-06	0.000302215	slc16a6b	ZDB-GENE-110208-3	slc16a6b
ENSDARG00000008363	185.2923196	-0.625428375	0.136102905	-4.595261034	4.32208E-06	0.000307774	mcl1b	ZDB-GENE-030825-1	mcl1b
ENSDARG00000079957	1.828023984	-4.944071032	1.076892067	-4.591055301	4.4101E-06	0.000312966	eloal	ZDB-GENE-131029-2	eloal
ENSDARG00000090468	48.83622291	-1.146184717	0.249816576	-4.588105139	4.47287E-06	0.000316338	ppp1r3aa	ZDB-GENE-110914-122	ppp1r3aa
ENSDARG00000016538	2.197746638	-4.809166262	1.049595233	-4.581924642	4.60716E-06	0.000324726	zgc:55888	ZDB-GENE-040426-834	zgc:55888
ENSDARG00000076895	75.79404621	0.594746522	0.129865903	4.579697288	4.65649E-06	0.000327091	flrt3	ZDB-GENE-030131-1988	flrt3
ENSDARG00000071618	20.21118619	1.120388242	0.245441511	4.564787101	5.00001E-06	0.000350035	si:ch211-213a13.5	ZDB-GENE-050208-711	si:ch211-213a13.5
ENSDARG00000015065	417.3413461	1.420220406	0.311210095	4.56354222	5.02977E-06	0.000350354	c4	ZDB-GENE-030131-5697	c4
ENSDARG00000004713	15.27287285	-1.501992086	0.329188608	-4.562709802	5.04976E-06	0.000350354	mad2l1	ZDB-GENE-030515-3	mad2l1
ENSDARG00000111240	19.64636802	-1.938953878	0.425042694	-4.561786152	5.07203E-06	0.000350354	dhrs13a.2	ZDB-GENE-040912-69	dhrs13a.2
ENSDARG00000098742	8.39629881	-1.432990786	0.314129836	-4.561778676	5.07221E-06	0.000350354	lrtm1	ZDB-GENE-161221-2	lrtm1
ENSDARG00000019236	137.1185374	0.711203037	0.155974516	4.559738713	5.12173E-06	0.0003526	gsr	ZDB-GENE-050522-116	gsr
ENSDARG00000010873	290.6954348	0.600704335	0.131899179	4.554268964	5.25681E-06	0.0003607	DDX17	ZDB-GENE-030131-18	si:dkeyp-156n14.5
ENSDARG00000055973	4.059680521	-27.12579002	5.970813528	-4.54306434	5.54423E-06	0.000379167	zar1l	ZDB-GENE-060810-119	zar1l
ENSDARG00000092999	6.772974892	-2.207685076	0.486334049	-4.53944173	5.64034E-06	0.000384471	tnni4b.1	ZDB-GENE-090312-198	tnni4b.1
ENSDARG00000044356	113.8995464	-0.774332005	0.17063332	-4.537988274	5.67934E-06	0.00038586	tp63	ZDB-GENE-030819-1	tp63
ENSDARG00000002336	147.9573465	0.61676344	0.13600211	4.534954951	5.76158E-06	0.000390168	dlc	ZDB-GENE-000125-4	dlc
ENSDARG00000102335	45.75827611	-0.986372465	0.217627792	-4.532382813	5.8322E-06	0.000393664	ano1	ZDB-GENE-121127-3	ano1
ENSDARG00000060298	24.40670102	-1.185693994	0.261969821	-4.526070931	6.00904E-06	0.000404284	nin	ZDB-GENE-070725-1	nin
ENSDARG00000091211	2687.150625	0.717858739	0.158694403	4.523529037	6.0817E-06	0.000407848	adh8a	ZDB-GENE-030529-3	adh8a
ENSDARG00000071727	11.8033103	-8.528522792	1.28607447	-4.521837778	6.1305E-06	0.000409795	si:dkeyp-37o8.1	ZDB-GENE-030131-5667	si:dkeyp-37o8.1
ENSDARG00000042014	1.568967379	-4.210704861	0.93170125	-4.519372344	6.20232E-06	0.000413262	cyp11c1	ZDB-GENE-070828-1	cyp11c1
ENSDARG00000029822	6468.840016	1.120041518	0.248106944	4.514349741	6.35113E-06	0.000421821	cel.2	ZDB-GENE-061110-10	cel.2
ENSDARG00000076104	103.6994431	0.760386222	0.168716351	4.506891096	6.57844E-06	0.000435522	sema4bb	ZDB-GENE-120503-1	sema4bb
ENSDARG00000045424	21.77831196	-10.58525572	2.350123005	-4.504128379	6.66459E-06	0.000439821	zgc:173856	ZDB-GENE-030131-5358	zgc:173856
ENSDARG00000005565	125.3793092	-0.925781687	0.205699893	-4.500642535	6.77484E-06	0.000445677	entpd8	ZDB-GENE-040724-142	entpd8
ENSDARG00000074686	121.7381421	0.662107643	0.147156392	4.4993468	6.81626E-06	0.000446983	oga	ZDB-GENE-030131-3208	oga
ENSDARG00000104949	117.3422778	-0.994493694	0.221113377	-4.497664077	6.87041E-06	0.000449113	slc27a1b	ZDB-GENE-061013-672	slc27a1b
ENSDARG00000102440	29.24182154	0.809473066	0.180039458	4.496086998	6.92154E-06	0.000451032	CABZ01070852.1		
ENSDARG00000069790	13.36774316	-1.663339539	0.370764551	-4.486242096	7.24904E-06	0.000470434	dynll2a	ZDB-GENE-030828-11	dynll2a

ENSDARG00000075217	1.421987694	-5.726173825	1.27651626	-4.485782127	7.26469E-06	0.000470434	tdrd12	ZDB-GENE-121214-348	tdrd12
ENSDARG00000060374	14.87791747	-1.197250118	0.266956629	-4.484811345	7.29785E-06	0.000470592	ttl11	ZDB-GENE-061013-747	ttl11
ENSDARG00000035741	423.1230525	-0.42795517	0.095432355	-4.484382343	7.31254E-06	0.000470592	slc25a11	ZDB-GENE-040625-79	slc25a11
ENSDARG00000039217	25.64829766	-1.121586413	0.250179853	-4.483120442	7.35594E-06	0.000471919	orc1	ZDB-GENE-030131-6960	orc1
ENSDARG00000005454	60.60589329	-1.081576214	0.241345159	-4.481449796	7.41377E-06	0.000474161	tacc3	ZDB-GENE-050522-327	tacc3
ENSDARG00000080020	67.08426628	0.821939557	0.183459072	4.480233921	7.45613E-06	0.000475403	il13ra1	ZDB-GENE-060503-103	il13ra1
ENSDARG00000070174	239.6939968	0.50058645	0.111756814	4.479247676	7.49066E-06	0.000476139	PLEKHH3	ZDB-GENE-030131-5404	si:ch211-18i17.2
ENSDARG00000087093	60.60172512	-1.396628597	0.31213077	-4.474498287	7.65909E-06	0.000485357	si:ch211-157c3.4	ZDB-GENE-030131-8454	si:ch211-157c3.4
ENSDARG00000070914	314.0507767	-0.616049421	0.13794246	-4.465988351	7.96999E-06	0.000502417	dusp6	ZDB-GENE-030613-1	dusp6
ENSDARG00000006963	136.6565348	-0.789704783	0.176833669	-4.465805556	7.9768E-06	0.000502417	cse1l	ZDB-GENE-990603-1	cse1l
ENSDARG00000041895	256.2782907	-0.622172707	0.139382738	-4.463771584	8.05294E-06	0.000505676	cad	ZDB-GENE-021030-4	cad
ENSDARG00000040732	3.7050744	-7.164050689	1.606891692	-4.458328291	8.26013E-06	0.000517119	elavl2	ZDB-GENE-040704-9	elavl2
ENSDARG00000068214	947.0039324	0.378216123	0.084919682	4.453809954	8.43598E-06	0.000525989	ccni	ZDB-GENE-040426-2898	ccni
ENSDARG00000055226	141.1960412	-0.885133017	0.198754976	-4.453387954	8.45258E-06	0.000525989	slc7a7	ZDB-GENE-051127-5	slc7a7
ENSDARG00000097613	37.21749671	-1.791937126	0.402594156	-4.450976495	8.54807E-06	0.000530339	igfn1.3	ZDB-GENE-131122-44	igfn1.3
ENSDARG00000053279	134.5379506	0.669210275	0.150497483	4.446654276	8.7218E-06	0.000539502	apln	ZDB-GENE-070521-8	apln
ENSDARG00000036830	5601.453125	-0.713210761	0.160508078	-4.443457114	8.85248E-06	0.000545956	krt91	ZDB-GENE-040801-181	krt91
ENSDARG00000100504	113.1515944	1.203382142	0.270866631	4.442710928	8.88325E-06	0.00054619	ppp1r27b	ZDB-GENE-051023-5	ppp1r27b
ENSDARG00000028027	190.5605171	0.91372258	0.205696625	4.442088336	8.909E-06	0.00054619	trim63a	ZDB-GENE-040625-139	trim63a
ENSDARG00000102490	45.84455569	1.202916104	0.271271289	4.434365711	9.23438E-06	0.000564468	asb2b	ZDB-GENE-040426-20	asb2b
ENSDARG00000056462	7.944938204	-4.008620773	0.905577336	-4.426591317	9.57339E-06	0.00058347	crp2	ZDB-GENE-030131-5826	crp2
ENSDARG00000054454	68.64897153	0.721441416	0.163174848	4.421278319	9.81187E-06	0.000596251	epha4a	ZDB-GENE-001207-7	epha4a
ENSDARG00000037551	122.8325767	1.211965803	0.274425301	4.416377785	1.00369E-05	0.00060814	pm20d1.1	ZDB-GENE-051120-102	pm20d1.1
ENSDARG00000054374	3.75746687	-7.438691118	1.685231545	-4.414046926	1.01456E-05	0.000612936	alg13	ZDB-GENE-060307-1	alg13
ENSDARG00000057125	168.9607557	0.707417861	0.16031115	4.412780161	1.02052E-05	0.000614742	pld1b	ZDB-GENE-070510-3	pld1b
ENSDARG00000004405	5.894809932	-2.528639796	0.574400938	-4.402220871	1.07148E-05	0.000643574	snx10a	ZDB-GENE-050809-44	snx10a
ENSDARG00000090851	18.44130604	0.990391277	0.225086166	4.400053959	1.08224E-05	0.000648155	ciita	ZDB-GENE-071116-6	ciita
ENSDARG00000043963	27.98078069	-1.56422015	0.355642776	-4.398290239	1.09107E-05	0.000651561	si:ch211-241j12.3	ZDB-GENE-040724-72	si:ch211-241j12.3
ENSDARG00000002347	3.01121969	-6.848214032	1.558996321	-4.392706986	1.11948E-05	0.000666072	cyp11a1	ZDB-GENE-010306-1	cyp11a1
ENSDARG00000086740	692.5823999	0.570549418	0.129898912	4.392257106	1.1218E-05	0.000666072	phyh	ZDB-GENE-050417-361	phyh
ENSDARG00000030915	5112.294186	0.898631263	0.204750771	4.388902941	1.13924E-05	0.000674495	cpa1	ZDB-GENE-050522-438	cpa1
ENSDARG00000010332	5.223919382	-7.723633192	1.76027469	-4.387743139	1.14533E-05	0.000674629	zgc:56231	ZDB-GENE-040426-1914	zgc:56231
ENSDARG00000030006	31.81025172	-0.818148609	0.186467509	-4.387620195	1.14598E-05	0.000674629	slc6a7	ZDB-GENE-070112-1492	slc6a7
ENSDARG00000028725	34.31022666	-0.886564025	0.202157911	-4.385502497	1.15718E-05	0.000679296	adra1aa	ZDB-GENE-030131-2831	adra1aa
ENSDARG00000099860	1211.850691	-0.75501143	0.17231543	-4.38156601	1.17829E-05	0.000689734	pkmb	ZDB-GENE-040801-230	pkmb
ENSDARG00000040926	92.94232742	0.658609556	0.150352345	4.380440862	1.18439E-05	0.000691353	nr2f2	ZDB-GENE-990415-252	nr2f2
ENSDARG00000016085	398.3171768	0.360845776	0.082416502	4.378319467	1.19598E-05	0.000696154	mbnl3	ZDB-GENE-081002-3	mbnl3
ENSDARG00000102055	507.9168227	-0.449153103	0.10262634	-4.376586982	1.20552E-05	0.000699742	hadhb	ZDB-GENE-030131-8550	hadhb
ENSDARG00000096229	3.302355466	-3.324126192	0.760222063	-4.372572637	1.22791E-05	0.000710747	si:dkey-260c8.8	ZDB-GENE-030131-5375	si:dkey-260c8.8
ENSDARG00000090371	26.44895638	0.98512301	0.22541567	4.370250784	1.24104E-05	0.000716346	si:dkey-46i9.6	ZDB-GENE-160114-63	si:dkey-46i9.6
ENSDARG00000023002	7.775266181	-1.82548201	0.41792204	-4.367996508	1.25391E-05	0.000721767	dtl	ZDB-GENE-020419-34	dtl
ENSDARG00000040433	25.61362374	-3.284968908	0.752517029	-4.365308402	1.26944E-05	0.000728677	cyp2k22	ZDB-GENE-040426-822	cyp2k22
ENSDARG00000012718	2.594447728	-3.703689335	0.848860719	-4.363129609	1.28215E-05	0.000732738	wee2	ZDB-GENE-030131-5682	wee2
ENSDARG00000017665	121.8976364	-0.873223466	0.20014816	-4.362885309	1.28358E-05	0.000732738	snrkb	ZDB-GENE-040426-1724	snrkb
ENSDARG00000004060	687.1204511	0.535799159	0.122908044	4.359349834	1.30449E-05	0.00074263	bhlhe40	ZDB-GENE-030131-3133	bhlhe40
ENSDARG00000012609	2780.628526	-1.53567612	0.352740335	-4.353559741	1.33945E-05	0.000760438	hpx a		

ENSDARG0000069031	8.368760124	1.567960729	0.36021162	4.352887693	1.34356E-05	0.00076069	plac8l1	ZDB-GENE-091204-165	plac8l1
ENSDARG00000103211	32.76911106	-0.976547975	0.224460475	-4.35064558	1.35737E-05	0.000764442	si:dkey-19b23.8	ZDB-GENE-030131-4634	si:dkey-19b23.8
ENSDARG00000021866	92.79452445	-0.845420214	0.19432202	-4.350614576	1.35756E-05	0.000764442	upk1a	ZDB-GENE-060421-2603	upk1a
ENSDARG00000040523	23.07417339	-1.083028752	0.249256473	-4.345037616	1.39252E-05	0.000780894	smpd2a	ZDB-GENE-051014-1	smpd2a
ENSDARG00000075421	4.820631655	-1.99760222	0.459773376	-4.344754013	1.39432E-05	0.000780894	pttg1	ZDB-GENE-081104-345	pttg1
ENSDARG00000042063	3.018582718	-5.437917862	1.252870708	-4.340366351	1.42245E-05	0.000794504	si:ch211-145c1.1	ZDB-GENE-070912-81	si:ch211-145c1.1
ENSDARG00000003904	3.728765986	-3.058240851	0.705208637	-4.336646904	1.44673E-05	0.000805889	sycp1	ZDB-GENE-040910-6	sycp1
ENSDARG00000102636	2.630149099	-3.066535705	0.707502015	-4.334313739	1.46216E-05	0.0008123	trmt9b	ZDB-GENE-030131-4851	trmt9b
ENSDARG00000094055	8.339087859	-2.437603523	0.562488833	-4.333603404	1.46688E-05	0.000812747	si:dkey-88l16.3	ZDB-GENE-030131-6015	si:dkey-88l16.3
ENSDARG00000018643	105.0784353	1.161882147	0.268171487	4.332608815	1.47353E-05	0.000813782	igf2a	ZDB-GENE-991111-3	igf2a
ENSDARG00000037962	160.9570158	-0.666357973	0.153816927	-4.332149822	1.4766E-05	0.000813782	psmb7	ZDB-GENE-001208-4	psmb7
ENSDARG00000061794	206.4710441	0.460651643	0.106481952	4.326100646	1.51772E-05	0.000834223	jam3b	ZDB-GENE-030131-441	jam3b
ENSDARG00000004529	2.766389635	-3.630099828	0.839333612	-4.324978501	1.52547E-05	0.000836263	zgc:173742	ZDB-GENE-030131-6489	zgc:173742
ENSDARG00000075737	12.90956288	-8.339399734	1.929656562	-4.321701539	1.54831E-05	0.000846543	zgc:165518	ZDB-GENE-070720-15	zgc:165518
ENSDARG00000007080	56.1957861	-0.938972633	0.217655552	-4.314030232	1.60305E-05	0.000874169	rhcg1	ZDB-GENE-060209-2	rhcg1
ENSDARG00000057687	16.22314425	-1.299156467	0.301364589	-4.310912802	1.62582E-05	0.000884258	sbk3	ZDB-GENE-080204-39	sbk3
ENSDARG00000092696	0.941695911	-4.103325165	0.952161682	-4.309483611	1.63636E-05	0.000887662	cyp11a2	ZDB-GENE-130911-1	cyp11a2
ENSDARG00000016016	317.3360226	0.380736068	0.088670992	4.293806325	1.75636E-05	0.00094955	dbnlb	ZDB-GENE-050522-293	dbnlb
ENSDARG00000017728	142.3460562	-0.732477455	0.170647831	-4.292333813	1.76805E-05	0.00094955	phb2b	ZDB-GENE-040718-430	phb2b
ENSDARG00000069095	57.29527822	-0.838201947	0.195293522	-4.292011012	1.77062E-05	0.00094955	gls2a	ZDB-GENE-081105-57	gls2a
ENSDARG00000091558	3.905836102	-4.438333571	1.034095884	-4.291994235	1.77076E-05	0.00094955	si:ch211-251f6.7	ZDB-GENE-091113-57	si:ch211-251f6.7
ENSDARG00000028507	704.107608	-0.694978953	0.161936804	-4.291667719	1.77336E-05	0.00094955	itgb4	ZDB-GENE-030131-7209	itgb4
ENSDARG00000025032	285.6760257	0.370009227	0.086247688	4.290077024	1.78611E-05	0.000953912	nr3c1	ZDB-GENE-050522-503	nr3c1
ENSDARG00000055514	80.7496699	-0.934120817	0.217814401	-4.288609068	1.79796E-05	0.000957769	icn2	ZDB-GENE-070822-9	icn2
ENSDARG00000094992	2.189712385	-4.616654668	1.080838478	-4.271364095	1.94281E-05	0.001032279	otx1	ZDB-GENE-980526-400	otx1
ENSDARG00000078280	3.186396629	-3.492562031	0.818094668	-4.269141664	1.96227E-05	0.001039951	nkx3-1	ZDB-GENE-081104-238	nkx3-1
ENSDARG00000058696	168.7028152	0.417102817	0.097716489	4.268499848	1.96792E-05	0.001040286	tbl1xr1a	ZDB-GENE-050522-314	tbl1xr1a
ENSDARG00000017058	119.4280841	0.597373565	0.139974796	4.267722346	1.97479E-05	0.001041262	large2	ZDB-GENE-050419-253	large2
ENSDARG00000038687	114.3863906	0.644286241	0.151023102	4.266143611	1.98881E-05	0.001045992	nfbk2	ZDB-GENE-030131-6701	nfbk2
ENSDARG00000032618	63.10175182	0.764011534	0.179330379	4.260357545	2.041E-05	0.001070725	mgst1.1	ZDB-GENE-041010-30	mgst1.1
ENSDARG00000102835	18.29660867	1.058491923	0.248519754	4.259186273	2.05172E-05	0.001073632	CABZ01021435.1		
ENSDARG00000031702	65.91818218	-0.934217972	0.219910324	-4.248176964	2.15517E-05	0.001122117	prkg1b	ZDB-GENE-080225-40	prkg1b
ENSDARG00000009942	18.60678543	-1.468591441	0.345699542	-4.248172943	2.15521E-05	0.001122117	cdc6	ZDB-GENE-050506-131	cdc6
ENSDARG00000098995	4.287204823	-3.581513206	0.843291186	-4.247065862	2.16588E-05	0.001124848	cyp2k6	ZDB-GENE-040426-1571	cyp2k6
ENSDARG00000098739	6.27345322	-6.947529348	1.636464807	-4.245449899	2.18155E-05	0.001130153	h2af1a1		
ENSDARG00000100741	31.8817518	-1.455795909	0.343210188	-4.241703659	2.21829E-05	0.001146322	cdc20	ZDB-GENE-040426-2044	cdc20
ENSDARG00000094005	5.223271077	-2.16915345	0.511988197	-4.236725497	2.26803E-05	0.001169108	si:dkey-98j1.5	ZDB-GENE-090313-358	si:dkey-98j1.5
ENSDARG00000053966	1.355236307	-4.070857149	0.961400298	-4.234299864	2.29265E-05	0.001178865	cyp17a2	ZDB-GENE-100822-1	cyp17a2
ENSDARG00000043004	7.502798228	-1.915642648	0.453618261	-4.223028073	2.41042E-05	0.001236353	si:dkeyp-117h8.4	ZDB-GENE-030804-4	si:dkeyp-117h8.4
ENSDARG00000043236	8.820878287	-9.723224432	2.302742055	-4.222454883	2.41656E-05	0.001236442	ccna1	ZDB-GENE-040311-2	ccna1
ENSDARG00000036848	112.7729195	-0.877048817	0.207785821	-4.220927165	2.433E-05	0.001241786	slc43a2a	ZDB-GENE-040426-964	slc43a2a
ENSDARG00000102366	13.1090728	-1.848274052	0.437941107	-4.220371237	2.439E-05	0.001241794	micall2a	ZDB-GENE-030131-5409	micall2a
ENSDARG00000052433	0.872496317	-3.762244468	0.892745086	-4.214242708	2.50618E-05	0.001272867	inha	ZDB-GENE-060503-554	inha
ENSDARG00000011545	262.1365021	0.351853616	0.083559433	4.210818605	2.54447E-05	0.001289157	arrb2b	ZDB-GENE-040426-1332	arrb2b
ENSDARG00000008278	9.488545653	-1.511293211	0.359130582	-4.208199706	2.57413E-05	0.001301005	rcor2	ZDB-GENE-040426-1812	rcor2
ENSDARG00000088143	28.23116915	-0.986635108	0.234594441	-4.205705398	2.60269E-05	0.001309505	sema4gb	ZDB-GENE-111117-1	sema4gb

ENSDARG00000087709	7.602806981	-1.845869379	0.438904662	-4.205627187	2.60359E-05	0.001309505	fat3b	ZDB-GENE-130530-969	fat3b
ENSDARG00000038563	144.0145071	-0.63145406	0.150301403	-4.201251925	2.65443E-05	0.001329847	pitrm1	ZDB-GENE-040426-2876	pitrm1
ENSDARG00000098766	1255.749671	-0.585020972	0.139256096	-4.201043894	2.65687E-05	0.001329847	pcxa	ZDB-GENE-090908-3	pcxa
ENSDARG00000052215	31.78390741	0.835305915	0.198901801	4.199589489	2.67399E-05	0.001335193	btr02	ZDB-GENE-060825-228	btr02
ENSDARG00000028048	27.28951367	0.696352023	0.165921801	4.196868771	2.70631E-05	0.001348079	rdh8a	ZDB-GENE-021115-3	rdh8a
ENSDARG00000039650	20.70048627	-0.984694671	0.234705507	-4.195447674	2.72333E-05	0.001353306	itm2cb	ZDB-GENE-030131-7806	itm2cb
ENSDARG00000079560	335.0370807	0.812144608	0.193926026	4.187909306	2.81536E-05	0.001393559	ptprh	ZDB-GENE-091118-90	ptprh
ENSDARG00000025386	5.158199785	-6.946627691	1.658811427	-4.187713914	2.81778E-05	0.001393559	lsm14b	ZDB-GENE-040426-779	lsm14b
ENSDARG00000089181	1.199671608	-4.857300342	1.16045479	-4.185686839	2.84305E-05	0.001402707	adad1	ZDB-GENE-030131-6285	adad1
ENSDARG00000019815	668.8773369	0.463934329	0.110860156	4.184860867	2.85341E-05	0.001404473	fn1a	ZDB-GENE-000426-1	fn1a
ENSDARG00000043970	335.7961559	-0.485834807	0.116111316	-4.184215817	2.86152E-05	0.001405129	lrpprc	ZDB-GENE-030131-7887	lrpprc
ENSDARG00000037012	111.9606082	-0.707782863	0.169395939	-4.178275263	2.93728E-05	0.00143892	slc3a2b	ZDB-GENE-040122-2	slc3a2b
ENSDARG00000099247	5.252380094	-2.911760323	0.697147074	-4.176680115	2.95795E-05	0.001443281	si:dkey-68o6.5	ZDB-GENE-030131-5416	si:dkey-68o6.5
ENSDARG00000043257	1250.704529	0.495988651	0.118756628	4.176513411	2.96011E-05	0.001443281	ckbb	ZDB-GENE-020103-2	ckbb
ENSDARG00000008310	118.5000613	-0.488603476	0.117063972	-4.173815982	2.9954E-05	0.001457057	ip6k2a	ZDB-GENE-030131-760	ip6k2a
ENSDARG00000007349	2.577174329	-3.605954393	0.865016201	-4.168655325	3.06402E-05	0.001483705	dmrt1	ZDB-GENE-050511-1	dmrt1
ENSDARG00000096603	5.599978172	-2.575500299	0.617859348	-4.168424911	3.06712E-05	0.001483705	bmb	ZDB-GENE-030131-5577	bmb
ENSDARG00000012021	114.2964594	-0.472291675	0.113311993	-4.168064324	3.07197E-05	0.001483705	kdsr	ZDB-GENE-040426-853	kdsr
ENSDARG00000007099	37.41527642	-1.027494445	0.246546008	-4.167556606	3.07882E-05	0.001483705	cx43.4	ZDB-GENE-990415-38	cx43.4
ENSDARG00000055622	2.881173194	-3.149681637	0.756091508	-4.165741321	3.10342E-05	0.001492092	zgc:153345	ZDB-GENE-061103-487	zgc:153345
ENSDARG00000078567	194.5547317	-0.806969287	0.19376878	-4.164599098	3.119E-05	0.001492826	lonrf1l	ZDB-GENE-081104-397	lonrf1l
ENSDARG00000077836	10.48042326	-1.128101833	0.270880557	-4.164572926	3.11936E-05	0.001492826	ttc22	ZDB-GENE-050208-292	ttc22
ENSDARG00000057571	846.9048483	-0.701772385	0.168605338	-4.162219268	3.15169E-05	0.001504186	pgam2	ZDB-GENE-040116-6	pgam2
ENSDARG00000036834	2065.003506	0.795874852	0.191233746	4.161790834	3.15762E-05	0.001504186	krt92	ZDB-GENE-050417-363	krt92
ENSDARG00000012369	30.7987711	-1.101257946	0.264778422	-4.159168023	3.19409E-05	0.001517462	rdh10b	ZDB-GENE-030909-7	rdh10b
ENSDARG00000002267	86.38620638	-0.595495089	0.143191353	-4.158736385	3.20013E-05	0.001517462	dcaf13	ZDB-GENE-040426-703	dcaf13
ENSDARG00000040081	2.146549227	-4.32623669	1.041271293	-4.154764199	3.25623E-05	0.00154054	zp3d.1	ZDB-GENE-030131-5827	zp3d.1
ENSDARG00000019613	383.418124	-0.479890428	0.115531501	-4.1537626	3.27052E-05	0.001543777	ip6k2b	ZDB-GENE-040718-85	ip6k2b
ENSDARG00000025788	98.63654305	0.563754387	0.135798127	4.151415027	3.30426E-05	0.001556156	chp2	ZDB-GENE-030131-5810	chp2
ENSDARG00000076334	75.12068176	-0.697670691	0.168283943	-4.145794781	3.38637E-05	0.00159121	mrpl43	ZDB-GENE-040718-125	mrpl43
ENSDARG00000102435	18.71855072	1.24349119	0.300235902	4.141713838	3.4472E-05	0.00161613	plekhf1	ZDB-GENE-040426-1289	plekhf1
ENSDARG00000101878	24.79662289	0.667269155	0.161135519	4.141043272	3.4573E-05	0.001617203	kdf1b	ZDB-GENE-100922-285	kdf1b
ENSDARG00000054288	69.45280502	-0.76395648	0.184756048	-4.134947073	3.55036E-05	0.001656997	zgc:63972	ZDB-GENE-040426-1320	zgc:63972
ENSDARG00000086173	114.4139546	0.49026883	0.11861883	4.133145043	3.57833E-05	0.001666294	relb	ZDB-GENE-030131-9531	relb
ENSDARG00000052375	1.851318015	-3.337584767	0.808601836	-4.127599788	3.66569E-05	0.00170315	zgc:66455	ZDB-GENE-040426-1642	zgc:66455
ENSDARG00000070484	185.8256424	-0.794560926	0.192542246	-4.12668358	3.68032E-05	0.001706122	zgc:195001	ZDB-GENE-081022-173	zgc:195001
ENSDARG00000007294	1362.934794	-0.391141956	0.094820644	-4.125071725	3.70619E-05	0.001714279	aco2	ZDB-GENE-030131-1390	aco2
ENSDARG00000055837	304.9824387	0.352614675	0.085579356	4.120324023	3.7834E-05	0.001742454	arhgef1b	ZDB-GENE-060616-136	arhgef1b
ENSDARG00000078773	31.03100734	-0.894355719	0.217067976	-4.120164264	3.78602E-05	0.001742454	tmem70	ZDB-GENE-070912-593	tmem70
ENSDARG00000069279	32.55635148	-0.991467724	0.240664082	-4.119716234	3.79339E-05	0.001742454	elovl7a	ZDB-GENE-030131-6149	elovl7a
ENSDARG00000096867	86.76972783	0.575521704	0.139714474	4.119270451	3.80074E-05	0.001742454	clmn	ZDB-GENE-131127-546	clmn
ENSDARG00000010130	303.1599092	0.637336851	0.154750411	4.118482439	3.81376E-05	0.001744562	smpdl3b	ZDB-GENE-041008-132	smpdl3b
ENSDARG00000031336	88.17168821	-0.733631953	0.178328347	-4.113939059	3.88964E-05	0.001772654	hsd20b2	ZDB-GENE-030804-21	hsd20b2
ENSDARG00000020289	4.914608185	-2.776458565	0.674916184	-4.113782765	3.89228E-05	0.001772654	pif1	ZDB-GENE-030131-4928	pif1
ENSDARG00000022303	148.0871052	-0.883517074	0.214964974	-4.110051322	3.95571E-05	0.001796174	higd1a	ZDB-GENE-030826-15	higd1a
ENSDARG00000113246	1.573710341	-5.179410167	1.260280543	-4.109727945	3.96126E-05	0.001796174	CABZ01051901.1		

ENSDARG00000044299	156.8032186	-0.503083297	0.122436383	-4.108936295	3.97486E-05	0.001798406	lmnb1	ZDB-GENE-020424-2	lmnb1
ENSDARG00000078878	14.27373158	1.756365749	0.427849552	4.105101296	4.04138E-05	0.001824519	si:ch73-244f7.3	ZDB-GENE-121214-178	si:ch73-244f7.3
ENSDARG00000027065	395.9033516	-0.808370177	0.197171609	-4.099830499	4.13453E-05	0.001858815	slc38a3a	ZDB-GENE-070615-25	slc38a3a
ENSDARG00000038199	86.90061253	-1.243133666	0.303243568	-4.09945601	4.14122E-05	0.001858815	cdab	ZDB-GENE-040426-1911	cdab
ENSDARG00000087392	15.91016015	-9.211682132	2.247142723	-4.099286635	4.14426E-05	0.001858815	si:ch73-160p18.3	ZDB-GENE-141212-268	si:ch73-160p18.3
ENSDARG00000059836	103.4866718	0.598017068	0.146000596	4.095990581	4.20367E-05	0.001881392	ddit3	ZDB-GENE-070410-90	ddit3
ENSDARG00000105626	1.144275373	-5.636612592	1.376476301	-4.094957965	4.22245E-05	0.001885724	adad2	ZDB-GENE-130530-788	adad2
ENSDARG00000038785	198.5896654	-0.895219207	0.218704662	-4.093279034	4.25315E-05	0.001895352	abcf2a	ZDB-GENE-030131-8714	abcf2a
ENSDARG00000041734	8.016349782	-1.336112446	0.326519362	-4.091985351	4.27696E-05	0.001901869	tbc1d32	ZDB-GENE-061106-5	tbc1d32
ENSDARG00000079901	172.8904902	0.751125061	0.183675271	4.089418545	4.32456E-05	0.001918919	si:ch73-15n24.1	ZDB-GENE-030131-1323	si:ch73-15n24.1
ENSDARG00000060109	30.04494609	0.726887471	0.177834349	4.087441348	4.36157E-05	0.001931206	aggf1	ZDB-GENE-060929-836	aggf1
ENSDARG00000089967	15.58612377	-1.253110785	0.306729212	-4.085397599	4.40014E-05	0.00194413	si:ch211-59o9.10	ZDB-GENE-101206-1	si:ch211-59o9.10
ENSDARG00000092924	26.87528586	-10.7565266	2.633508164	-4.084485761	4.41745E-05	0.001947627	zgc:171474	ZDB-GENE-080215-16	zgc:171474
ENSDARG00000034989	10.57493606	-7.675949184	1.883415665	-4.075547064	4.59063E-05	0.002019682	retsatl	ZDB-GENE-051113-252	retsatl
ENSDARG00000044365	329.8302318	0.778605702	0.191230542	4.071555159	4.67003E-05	0.002050262	angptl3	ZDB-GENE-010817-3	angptl3
ENSDARG00000103826	327.7713301	-0.790413467	0.194412262	-4.065656444	4.78975E-05	0.002098374	gpib	ZDB-GENE-020513-3	gpib
ENSDARG00000104643	2.037701381	-3.175487722	0.782299171	-4.059173062	4.92468E-05	0.002152937	tuba7l	ZDB-GENE-040704-78	tuba7l
ENSDARG00000071594	18.72034728	-0.861715693	0.212497832	-4.05517404	5.0097E-05	0.002185494	TIMM21	ZDB-GENE-120709-89	si:dkey-118j18.1
ENSDARG00000060682	37.1764035	-1.040216017	0.256607057	-4.053731133	5.04071E-05	0.002194405	agr1	ZDB-GENE-030131-7249	agr1
ENSDARG00000078309	93.4031951	-0.864197049	0.213385889	-4.049925953	5.12338E-05	0.002225718	fam83b	ZDB-GENE-030131-7066	fam83b
ENSDARG00000012215	35.98367953	-0.829471077	0.205054972	-4.045115644	5.22973E-05	0.002267165	umps	ZDB-GENE-040426-785	umps
ENSDARG00000017388	194.9213588	0.68219595	0.168701553	4.043803608	5.2591E-05	0.002275136	gstt1b	ZDB-GENE-040426-1491	gstt1b
ENSDARG00000032708	23.94890379	-0.875010845	0.216563847	-4.040428986	5.33535E-05	0.002303316	arl4cb	ZDB-GENE-040426-2382	arl4cb
ENSDARG00000022615	167.3912952	-1.059031398	0.262402473	-4.035904788	5.43923E-05	0.002343278	si:ch211-241e1.3	ZDB-GENE-030131-230	si:ch211-241e1.3
ENSDARG00000087779	173.5098501	-0.650835847	0.16134468	-4.033822799	5.48767E-05	0.002359243	pum3	ZDB-GENE-030131-9808	pum3
ENSDARG00000104188	23.27803871	1.009370085	0.25040873	4.030890163	5.5566E-05	0.002383931	fam83fb	ZDB-GENE-041114-194	fam83fb
ENSDARG00000011445	60.44159321	0.619173465	0.153701908	4.028404545	5.61567E-05	0.002399171	elmsan1a	ZDB-GENE-041001-151	elmsan1a
ENSDARG000000098622	13.0291191	-1.249072956	0.310081374	-4.028210207	5.62031E-05	0.002399171	ccne1	ZDB-GENE-980526-168	ccne1
ENSDARG00000100918	17.4717531	-1.225599821	0.304274872	-4.027936359	5.62686E-05	0.002399171	prc1a	ZDB-GENE-020801-3	prc1a
ENSDARG00000013072	89.98521624	0.504049031	0.125172564	4.026833156	5.65331E-05	0.002405502	mmp15b	ZDB-GENE-070817-6	mmp15b
ENSDARG00000043850	11.33274158	1.199999644	0.298061337	4.026015772	5.67299E-05	0.002408928	ftr54	ZDB-GENE-070620-19	ftr54
ENSDARG00000002071	124.890102	-0.605830057	0.150521732	-4.024867704	5.70074E-05	0.002415327	adss	ZDB-GENE-050417-337	adss
ENSDARG00000077039	35.64843662	0.747201329	0.185666416	4.024429099	5.71137E-05	0.002415327	esama	ZDB-GENE-090629-1	esama
ENSDARG00000089567	6.27235762	-7.63663498	1.898129908	-4.02324148	5.74026E-05	0.0024226	patl2	ZDB-GENE-121214-350	patl2
ENSDARG00000116290	4.52070013	-23.96987371	5.970749425	-4.01455027	5.95592E-05	0.00250851	si:ch211-250e5.16	ZDB-GENE-030131-6052	si:ch211-250e5.16
ENSDARG00000074589	146.2124841	0.446833954	0.111355421	4.012682539	6.00326E-05	0.002523319	rin2	ZDB-GENE-090312-194	rin2
ENSDARG00000033845	66.27410513	-0.848775572	0.211588826	-4.011438542	6.03499E-05	0.002531519	igsf9ba	ZDB-GENE-060503-729	igsf9ba
ENSDARG00000074169	106.2479695	-0.540639196	0.135082446	-4.002290552	6.27322E-05	0.002626134	gpam	ZDB-GENE-101026-1	gpam
ENSDARG00000074858	209.4179321	-0.400712105	0.100177381	-4.000025768	6.33356E-05	0.00264602	stard7	ZDB-GENE-030131-2310	stard7
ENSDARG00000114552	6.486766574	-2.153371534	0.538403234	-3.999551632	6.34626E-05	0.00264602	siva1	ZDB-GENE-050506-57	siva1
ENSDARG00000099985	22.71455602	0.916477466	0.229483686	3.993649744	6.5064E-05	0.00270734	ccn1l2	ZDB-GENE-060404-5	ccn1l2
ENSDARG00000038068	1282.847781	-0.429984147	0.107688615	-3.992846845	6.52847E-05	0.002711083	ddx5	ZDB-GENE-030131-925	ddx5
ENSDARG00000098215	83.44535696	-0.574762227	0.144025063	-3.990709783	6.58759E-05	0.002725432	BICD2		
ENSDARG00000028676	527.4698065	0.506961841	0.127037508	3.990646913	6.58933E-05	0.002725432	nuak1b	ZDB-GENE-131120-18	nuak1b
ENSDARG00000069335	58.73605119	0.629951956	0.157941754	3.988508048	6.64901E-05	0.002744639	bcl6b	ZDB-GENE-120907-1	bcl6b
ENSDARG00000099631	205.1172742	0.390631838	0.098025841	3.984988362	6.74834E-05	0.002780103	cmtm6	ZDB-GENE-030729-15	cmtm6

ENSDARG0000007302	113.1051666	0.569247094	0.143054533	3.97923142	6.91384E-05	0.002842631	sh3gl3b	ZDB-GENE-040121-4	sh3gl3b
ENSDARG00000043587	150.590179	-0.525530372	0.132104965	-3.978127339	6.94602E-05	0.002850205	srds5a2a	ZDB-GENE-050417-199	srds5a2a
ENSDARG00000105479	23.4411577	-1.080060733	0.271627926	-3.976250712	7.00103E-05	0.002867102	si:ch211-126c2.4	ZDB-GENE-030131-3087	si:ch211-126c2.4
ENSDARG00000035601	42.50612471	0.959991647	0.241495694	3.975191566	7.03226E-05	0.002874212	dao.3	ZDB-GENE-040426-1894	dao.3
ENSDARG00000056339	2.094263541	-2.743467402	0.690448351	-3.973457826	7.08367E-05	0.002889524	stk31	ZDB-GENE-140106-59	stk31
ENSDARG00000060215	60.86469117	-0.611844693	0.154110704	-3.970163505	7.18233E-05	0.002924014	cep85	ZDB-GENE-030131-1998	cep85
ENSDARG00000054848	129.9964219	-0.804389249	0.202975094	-3.962994835	7.40154E-05	0.003001228	pdk4	ZDB-GENE-060503-754	pdk4
ENSDARG00000041051	65.62418397	-0.942482248	0.237832453	-3.96279917	7.40761E-05	0.003001228	mid1ip1a	ZDB-GENE-990415-81	mid1ip1a
ENSDARG00000092498	3.260334585	-6.927771096	1.748312761	-3.962546776	7.41545E-05	0.003001228	si:dkeyp-46h3.2	ZDB-GENE-030131-7351	si:dkeyp-46h3.2
ENSDARG00000071294	11.40950812	-1.346618476	0.340042893	-3.96014298	7.49049E-05	0.003025691	tonsl	ZDB-GENE-041111-230	tonsl
ENSDARG00000086112	47.94473976	-1.00474419	0.253783655	-3.959057927	7.5246E-05	0.003035551	si:ch211-266i6.3	ZDB-GENE-030131-5420	si:ch211-266i6.3
ENSDARG00000077257	11.6606712	-1.345306673	0.339926952	-3.957634615	7.56956E-05	0.003039925	timd4	ZDB-GENE-080303-10	timd4
ENSDARG00000016011	526.7834959	-0.566008529	0.143017075	-3.957629027	7.56974E-05	0.003039925	gpcpd1	ZDB-GENE-060503-472	gpcpd1
ENSDARG00000043334	290.9868826	0.507280064	0.128239663	3.955718942	7.63048E-05	0.003058392	ccdc6a	ZDB-GENE-030131-7848	ccdc6a
ENSDARG00000062182	60.40142809	-0.753982373	0.190720394	-3.953339008	7.70681E-05	0.003075395	slc22a7b.3	ZDB-GENE-131120-103	slc22a7b.3
ENSDARG00000101018	47.72694122	-0.650029254	0.164425643	-3.953332588	7.70702E-05	0.003075395	ptdss2	ZDB-GENE-130424-2	ptdss2
ENSDARG00000092290	15.9178556	-1.315956533	0.332899894	-3.95300977	7.71743E-05	0.003075395	si:dkeyp-26a9.2	ZDB-GENE-090313-379	si:dkeyp-26a9.2
ENSDARG00000002479	32.44616629	-0.932784725	0.236380789	-3.946110549	7.9431E-05	0.003159248	ercc6l	ZDB-GENE-060531-56	ercc6l
ENSDARG00000103295	4067.985619	1.035061811	0.262341918	3.945468635	7.96441E-05	0.003161655	cyp3a65	ZDB-GENE-050604-1	cyp3a65
ENSDARG00000100116	25.66073951	-0.891253644	0.225966135	-3.944191208	8.00698E-05	0.003172477	mrps24	ZDB-GENE-050522-393	mrps24
ENSDARG00000089717	33.43646641	-0.90209372	0.228792106	-3.942853345	8.05179E-05	0.003184145	qpct	ZDB-GENE-130827-1	qpct
ENSDARG00000014047	105.1403437	-0.58089631	0.147485657	-3.938663073	8.19369E-05	0.003234088	cldn7b	ZDB-GENE-001103-5	cldn7b
ENSDARG00000016908	11.99639237	-8.59262172	2.182694208	-3.936704321	8.26083E-05	0.003248483	zgc:171779	ZDB-GENE-071004-38	zgc:171779
ENSDARG00000076830	215.6169605	-1.726352975	0.438529678	-3.936684476	8.26151E-05	0.003248483	si:dkey-65b12.6	ZDB-GENE-060526-329	si:dkey-65b12.6
ENSDARG00000061660	43.69829957	-0.849786425	0.215888923	-3.936220587	8.27749E-05	0.003248601	CABZ01055347.1		
ENSDARG00000041797	1278.06918	-0.521876981	0.13269015	-3.93304991	8.38748E-05	0.003285546	cx28.9	ZDB-GENE-041114-200	cx28.9
ENSDARG00000007077	95.98302219	0.514801494	0.131069822	3.927688968	8.5766E-05	0.003347608	ankrd50l	ZDB-GENE-041008-117	ankrd50l
ENSDARG00000068465	3.085370513	-5.338527354	1.359323265	-3.927342002	8.58898E-05	0.003347608	zgc:136254	ZDB-GENE-060421-3062	zgc:136254
ENSDARG00000011533	96.94682384	0.644001069	0.163985176	3.927190774	8.59438E-05	0.003347608	sema6dl	ZDB-GENE-050417-171	sema6dl
ENSDARG00000012776	75.27108668	0.544635302	0.138941978	3.919875823	8.85946E-05	0.003444385	smarca1	ZDB-GENE-070705-296	smarca1
ENSDARG00000012387	694.982175	-0.300826549	0.076755332	-3.919291883	8.88095E-05	0.003446275	pdha1a	ZDB-GENE-040426-2719	pdha1a
ENSDARG00000054616	186.9797065	-0.586454612	0.149651159	-3.918811035	8.89868E-05	0.003446702	cldni	ZDB-GENE-010328-9	cldni
ENSDARG00000077638	2.359358942	-2.893621336	0.738496407	-3.918260547	8.91903E-05	0.003448136	zgc:171965	ZDB-GENE-070820-20	zgc:171965
ENSDARG00000076554	113.0467061	-0.901104869	0.230019861	-3.917508976	8.94687E-05	0.003450369	cdkn1a	ZDB-GENE-070705-7	cdkn1a
ENSDARG00000077875	145.6146329	0.988418836	0.252327485	3.917206393	8.9581E-05	0.003450369	slc2a5	ZDB-GENE-060222-2	slc2a5
ENSDARG00000089924	106.8874294	0.488790675	0.124920782	3.912805105	9.12302E-05	0.003503779	aldh2.1	ZDB-GENE-040426-1262	aldh2.1
ENSDARG00000014402	1.715586943	-3.62159673	0.92562293	-3.912604812	9.13059E-05	0.003503779	smc1b	ZDB-GENE-091217-1	smc1b
ENSDARG00000052731	13.88585863	-1.452448113	0.371357084	-3.911189999	9.18425E-05	0.003513741	ankrd31	ZDB-GENE-050417-473	ankrd31
ENSDARG00000043002	104.8401532	1.000829571	0.25589945	3.911026657	9.19046E-05	0.003513741	vm01a	ZDB-GENE-131121-600	vm01a
ENSDARG00000086529	3.637523651	-6.046575452	1.546797001	-3.909094373	9.26428E-05	0.003535439	si:dkey-90l23.2	ZDB-GENE-041008-200	si:dkey-90l23.2
ENSDARG00000062780	43.00928468	-0.92065845	0.235630102	-3.907219168	9.33645E-05	0.003556431	aifm3	ZDB-GENE-140619-2	aifm3
ENSDARG00000062502	11.97099266	1.241680172	0.318288608	3.901114093	9.5751E-05	0.003640647	si:ch73-196l6.5	ZDB-GENE-140106-79	si:ch73-196l6.5
ENSDARG00000013752	5794.49388	0.803029999	0.205916873	3.899777541	9.62811E-05	0.003654097	tnni2a.3	ZDB-GENE-040718-80	tnni2a.3
ENSDARG00000101156	1.153323032	-3.717871036	0.953469238	-3.899308847	9.64677E-05	0.003654484	slco1f2	ZDB-GENE-080305-3	slco1f2
ENSDARG00000092778	66.00734491	-1.241706407	0.318648534	-3.896789958	9.74761E-05	0.003685948	si:ch73-338o16.4	ZDB-GENE-131119-14	si:ch73-338o16.4
ENSDARG00000077298	98.89225758	0.475224916	0.122306789	3.885515427	0.000102113	0.003854255	gas1a	ZDB-GENE-050302-155	gas1a

ENSDARG00000079175	272.8376515	0.656813028	0.169254579	3.880621907	0.00010419	0.003925489	si:ch211-79k12.1	ZDB-GENE-080303-9	si:ch211-79k12.1
ENSDARG00000017798	146.3739871	0.435560891	0.112253254	3.880162703	0.000104387	0.003925777	bcor	ZDB-GENE-040408-1	bcor
ENSDARG00000026787	15.49249049	-0.903429825	0.232900653	-3.879035178	0.000104872	0.003936864	aqp7	ZDB-GENE-030131-6461	aqp7
ENSDARG000000105863	12.23693512	1.32800429	0.342774788	3.874276457	0.000106942	0.004007326	FO904970.1		
ENSDARG000000101754	63.38771707	0.627819381	0.162273253	3.868902419	0.000109326	0.00408928	BX664622.1		
ENSDARG00000045444	73.01851394	0.721019672	0.186447681	3.867142067	0.000110118	0.004111479	fzd8a	ZDB-GENE-000328-3	fzd8a
ENSDARG00000044551	74.48542531	0.728405349	0.1886749	3.860637251	0.000113092	0.004214903	atg9a	ZDB-GENE-070209-65	atg9a
ENSDARG00000014685	30.05566103	-1.057125304	0.273928145	-3.85913358	0.00011379	0.004233305	esco2	ZDB-GENE-050913-156	esco2
ENSDARG00000094836	29.20104746	0.935159669	0.242396168	3.85798041	0.000114328	0.0042457	si:ch211-195b15.8	ZDB-GENE-131127-627	si:ch211-195b15.8
ENSDARG00000096849	107.1919847	-0.560410577	0.145278792	-3.85748374	0.00011456	0.004246724	si:dkey-16p21.8	ZDB-GENE-131121-428	si:dkey-16p21.8
ENSDARG00000043137	15.76855314	-1.394005909	0.361571933	-3.855404087	0.000115539	0.004275342	cdca8	ZDB-GENE-041114-171	cdca8
ENSDARG00000014386	89.3575848	-0.459834494	0.119312664	-3.85402921	0.00011619	0.004291771	galnt6	ZDB-GENE-040426-2272	galnt6
ENSDARG00000062297	105.3152914	-0.751384036	0.195061507	-3.852036455	0.00011714	0.004319157	soat1	ZDB-GENE-081105-177	soat1
ENSDARG000000104408	26.86981041	0.735566486	0.1910133	3.85086529	0.000117701	0.004332158	zgc:152774	ZDB-GENE-060929-544	zgc:152774
ENSDARG00000079369	202.8851147	-0.773946975	0.201159632	-3.847426882	0.000119365	0.004385601	si:ch211-212g7.6	ZDB-GENE-030131-4695	si:ch211-212g7.6
ENSDARG00000017982	92.65465618	1.090147555	0.283450446	3.845989903	0.000120067	0.004403579	cyp39a1	ZDB-GENE-041014-339	cyp39a1
ENSDARG00000061062	54.51913779	0.497144235	0.129303138	3.844796371	0.000120653	0.004417249	nemp2	ZDB-GENE-081104-413	nemp2
ENSDARG00000078430	81.92267717	-0.6199803	0.1613797	-3.841749002	0.000122161	0.004464576	tiam1a	ZDB-GENE-080325-1	tiam1a
ENSDARG00000001015	137.3748048	0.329535324	0.085798689	3.840796731	0.000122636	0.004474042	znf384l	ZDB-GENE-030616-498	znf384l
ENSDARG00000056913	735.2497629	0.394217407	0.102693898	3.838761754	0.000123656	0.004503351	pcolcea	ZDB-GENE-041014-370	pcolcea
ENSDARG000000102434	4.392897082	1.860073704	0.485060084	3.83472845	0.000125703	0.004569859	si:dkey-13m1.2	ZDB-GENE-141216-261	si:dkey-13m1.2
ENSDARG00000079703	92.76673721	0.92420493	0.241093107	3.833394243	0.000126387	0.004581978	si:dkey-18p12.4	ZDB-GENE-070912-408	si:dkey-18p12.4
ENSDARG00000044362	10.11453431	-1.081403687	0.282113927	-3.833216238	0.000126479	0.004581978	unc119b	ZDB-GENE-050201-2	unc119b
ENSDARG00000099757	23.86613728	-0.936335377	0.244325239	-3.83233178	0.000126934	0.004590462	wdr47b	ZDB-GENE-121114-10	wdr47b
ENSDARG00000011170	1299.781712	-0.394820873	0.103057525	-3.831072718	0.000127586	0.00460598	ndrg2	ZDB-GENE-041212-15	ndrg2
ENSDARG00000016439	61.25759538	-0.685901121	0.179220091	-3.827144137	0.000129639	0.00467195	slc7a1	ZDB-GENE-091116-69	slc7a1
ENSDARG00000045835	920.4100579	1.054993329	0.275704465	3.82653697	0.000129959	0.004675352	si:dkey-14d8.6	ZDB-GENE-041210-124	si:dkey-14d8.6
ENSDARG00000079377	17.70589469	0.867355859	0.226781814	3.824627051	0.00013097	0.004698764	arhgef38	ZDB-GENE-090313-83	arhgef38
ENSDARG00000058232	128.6459073	0.530503674	0.138713619	3.824452682	0.000131063	0.004698764	fbrsl1	ZDB-GENE-070705-487	fbrsl1
ENSDARG00000008541	14.6036298	-1.818086222	0.475957143	-3.819852791	0.000133531	0.004773809	chia.4	ZDB-GENE-030131-9279	chia.4
ENSDARG000000101181	47.7050235	-0.699631743	0.183164305	-3.819694798	0.000133617	0.004773809	s100w	ZDB-GENE-080407-2	s100w
ENSDARG00000042469	117.2703598	-0.581631538	0.152334136	-3.818130009	0.000134467	0.004795915	ndufa12	ZDB-GENE-050828-1	ndufa12
ENSDARG00000058346	6.189132469	-1.695934744	0.444451784	-3.815790157	0.000135748	0.004833276	sass6	ZDB-GENE-040426-2784	sass6
ENSDARG00000036456	766.2493926	0.469494849	0.123068047	3.814920781	0.000136227	0.004842004	anxa4	ZDB-GENE-030707-1	anxa4
ENSDARG00000038812	2.819066884	-2.61781889	0.686408384	-3.813792127	0.000136851	0.004855853	e2f5	ZDB-GENE-030828-3	e2f5
ENSDARG00000024195	87.22804959	0.648011673	0.169935376	3.813282955	0.000137133	0.004857554	znf395b	ZDB-GENE-041001-193	znf395b
ENSDARG00000035333	4.686641853	-1.512918657	0.397448295	-3.806579813	0.000140902	0.004975699	mis18a	ZDB-GENE-091204-314	mis18a
ENSDARG00000052779	20.95896098	-2.250495508	0.591224694	-3.806497815	0.000140949	0.004975699	zgc:153932	ZDB-GENE-070209-223	zgc:153932
ENSDARG00000012574	69.56197194	0.583392198	0.153388281	3.803368786	0.000142742	0.005022038	slkb	ZDB-GENE-030131-1684	slkb
ENSDARG00000076856	31.64781698	-0.739136376	0.194337667	-3.803361374	0.000142746	0.005022038	frem2a	ZDB-GENE-081119-3	frem2a
ENSDARG00000073756	126.9880511	0.502469131	0.132312956	3.797580716	0.000146115	0.005131863	slc12a7a	ZDB-GENE-070912-696	slc12a7a
ENSDARG00000093237	7.954390689	-2.212801852	0.583245497	-3.793945884	0.000148272	0.005195875	si:ch211-89o9.4	ZDB-GENE-090313-134	si:ch211-89o9.4
ENSDARG00000077911	53.81167914	1.01471317	0.267475612	3.793666136	0.000148439	0.005195875	treh	ZDB-GENE-070912-84	treh
ENSDARG00000070430	2.245068794	-2.408176085	0.634892343	-3.793046353	0.00014881	0.005200082	chtobp	ZDB-GENE-061013-712	chtobp
ENSDARG00000007836	644.5799523	-0.456253425	0.120333562	-3.791572499	0.000149696	0.005222238	ctsla	ZDB-GENE-030131-106	ctsla
ENSDARG000000101170	9.604498278	-1.073041334	0.283061452	-3.790842324	0.000150137	0.005228814	rab42b	ZDB-GENE-050417-172	rab42b

ENSDARG00000040874	408.5400312	0.305751007	0.080697732	3.788842619	0.000151351	0.005262232	add3a	ZDB-GENE-030131-2721	add3a
ENSDARG00000077004	2479.108857	0.713298234	0.188628017	3.78150736	0.000155882	0.005410685	aldh11	ZDB-GENE-100519-4	aldh11
ENSDARG00000024904	11.46726433	-1.648243691	0.43619361	-3.778697467	0.000157651	0.005462943	stil	ZDB-GENE-020419-39	stil
ENSDARG00000041306	59.24416927	-0.591198449	0.156509731	-3.777390994	0.00015848	0.005477109	mrps25	ZDB-GENE-050417-52	mrps25
ENSDARG00000078691	182.0826732	0.413297683	0.109418465	3.777220619	0.000158588	0.005477109	gigyf1b	ZDB-GENE-091204-310	gigyf1b
ENSDARG00000035028	17.26097256	-1.434927838	0.380171109	-3.774426317	0.000160376	0.005529647	lpcat4	ZDB-GENE-030131-5777	lpcat4
ENSDARG00000102375	14.64053106	-1.704001209	0.451626951	-3.773028172	0.000161278	0.005551502	si:ch211-204c21.1	ZDB-GENE-030429-35	si:ch211-204c21.1
ENSDARG00000061165	37.3485963	0.857439905	0.227308358	3.7721442	0.000161851	0.005561973	slc6a4a	ZDB-GENE-060314-1	slc6a4a
ENSDARG00000036628	344.1066414	0.578408442	0.153375732	3.771186182	0.000162473	0.005574129	cd74b	ZDB-GENE-990910-10	cd74b
ENSDARG00000029695	65.0091519	-1.044690415	0.277129639	-3.769681293	0.000163456	0.005598575	pgp	ZDB-GENE-030131-6240	pgp
ENSDARG00000052348	155.9752328	-0.634809019	0.168564932	-3.765961358	0.000165909	0.005673227	smarca5	ZDB-GENE-021125-1	smarca5
ENSDARG00000102883	1673.831892	0.286519608	0.076095193	3.765278687	0.000166363	0.005679379	sptbn1	ZDB-GENE-031006-3	sptbn1
ENSDARG00000053558	6.451465959	-2.147508651	0.571358092	-3.758603718	0.000170864	0.005823434	rtkn2a	ZDB-GENE-041010-225	rtkn2a
ENSDARG00000028976	12.59791764	-1.182024485	0.314678087	-3.756297418	0.000172446	0.005861148	pus3	ZDB-GENE-030131-9433	pus3
ENSDARG00000041691	496.9717298	0.429271203	0.114284414	3.756165758	0.000172536	0.005861148	bhlhe41	ZDB-GENE-050419-146	bhlhe41
ENSDARG00000038429	130.2648377	-0.600208056	0.160020918	-3.750809976	0.000176264	0.005977983	csnrp1b	ZDB-GENE-030131-1515	csnrp1b
ENSDARG00000035285	615.261341	0.374352151	0.09985468	3.748969526	0.000177563	0.006012179	ncor1	ZDB-GENE-040426-993	ncor1
ENSDARG00000026137	73.78030629	-0.535054143	0.142761921	-3.74787715	0.000178338	0.006028566	sfxn5b	ZDB-GENE-050706-107	sfxn5b
ENSDARG00000102138	33.86003672	0.783166821	0.209027342	3.746719509	0.000179162	0.006046579	foxa1	ZDB-GENE-990415-78	foxa1
ENSDARG00000016494	219.9645378	-0.659321316	0.176067025	-3.744717755	0.000180597	0.00608508	ddc	ZDB-GENE-040426-2656	ddc
ENSDARG00000063435	84.29200412	-0.589525744	0.157618995	-3.740194791	0.000183878	0.006185574	trpm4b.2	ZDB-GENE-061214-2	trpm4b.2
ENSDARG00000040725	14.29354158	-1.254508816	0.335803348	-3.735843684	0.000187087	0.006274914	zgc:114130	ZDB-GENE-050913-48	zgc:114130
ENSDARG00000105151	34.32982946	1.271013134	0.340227576	3.735773417	0.000187139	0.006274914	cyp2k21	ZDB-GENE-091113-17	cyp2k21
ENSDARG00000004218	33.86757041	0.750957705	0.201111195	3.73402827	0.000188441	0.00630837	rnd1b	ZDB-GENE-060315-7	rnd1b
ENSDARG00000104114	16.25111754	-1.322616282	0.354298989	-3.733051244	0.000189174	0.006322686	kmt5ab	ZDB-GENE-071004-17	kmt5ab
ENSDARG00000092115	727.2880502	-0.644916798	0.1728308	-3.731492285	0.000190349	0.006351705	eif4a1a	ZDB-GENE-031030-2	eif4a1a
ENSDARG00000029018	224.3746486	0.464319985	0.124476252	3.730189299	0.000191336	0.006357745	cdkn1ba	ZDB-GENE-040812-3	cdkn1ba
ENSDARG00000098171	57.29129459	-0.728721648	0.19536029	-3.730142132	0.000191372	0.006357745	zgc:162193	ZDB-GENE-030131-2035	zgc:162193
ENSDARG00000006422	50.23818782	-0.656858027	0.176099516	-3.730038789	0.00019145	0.006357745	esyt3	ZDB-GENE-050809-35	esyt3
ENSDARG00000087330	33.02536412	-0.634687191	0.170237326	-3.728249301	0.000192815	0.006392806	maza	ZDB-GENE-110603-4	maza
ENSDARG00000027355	2505.201806	-0.476820782	0.127970958	-3.726007753	0.000194536	0.006439591	slc25a4	ZDB-GENE-030131-5275	slc25a4
ENSDARG00000089904	32.40209703	0.767930287	0.206316727	3.722094175	0.000197577	0.00652982	adgre5b.3	ZDB-GENE-121214-275	adgre5b.3
ENSDARG00000039399	142.96041	-0.390524943	0.104967587	-3.72043364	0.000198881	0.006562439	nt5c2a	ZDB-GENE-030131-3566	nt5c2a
ENSDARG00000043168	774.8796432	0.90503745	0.243550248	3.716019411	0.000202386	0.006667478	CELA1 (1 of many)	ZDB-GENE-040801-186	zgc:92511
ENSDARG00000092488	116.7360718	0.522856482	0.140839685	3.712422967	0.000205285	0.006752233	khyn	ZDB-GENE-141215-64	khyn
ENSDARG00000058574	44.42284094	-0.500057136	0.134747563	-3.711066261	0.000206388	0.00677182	abcg2c	ZDB-GENE-050517-37	abcg2c
ENSDARG00000068572	210.5284167	-0.412859335	0.111256217	-3.71088777	0.000206534	0.00677182	slc16a1b	ZDB-GENE-030515-5	slc16a1b
ENSDARG00000098680	171.6462741	0.413796988	0.111562633	3.70910022	0.000207997	0.006804107	si:zfos-2326c3.2	ZDB-GENE-091113-25	si:zfos-2326c3.2
ENSDARG00000087032	34.51488218	0.636351422	0.171579261	3.708789842	0.000208252	0.006804107	rbbp8l	ZDB-GENE-030131-3078	rbbp8l
ENSDARG00000005462	50.31704727	-1.008140028	0.271872403	-3.708136671	0.00020879	0.006804107	kif4	ZDB-GENE-040426-1545	kif4
ENSDARG00000040249	3.982860806	-2.065522349	0.55703195	-3.708085954	0.000208832	0.006804107	tlr18	ZDB-GENE-040220-2	tlr18
ENSDARG00000056515	39.80929773	-0.998245553	0.269422935	-3.705124635	0.000211287	0.006855408	spsb1	ZDB-GENE-030131-6122	spsb1
ENSDARG00000098583	35.16280931	0.629949809	0.170024541	3.705052246	0.000211347	0.006855408	wbp1	ZDB-GENE-040426-1830	wbp1
ENSDARG00000042527	8.315462084	-1.164877906	0.314407813	-3.704990326	0.000211399	0.006855408	unga	ZDB-GENE-040426-900	unga
ENSDARG00000053620	251.3247889	-0.685733544	0.185314965	-3.700367884	0.000215287	0.006970594	ebi3	ZDB-GENE-070912-615	ebi3
ENSDARG00000087187	5.23822879	-1.900254863	0.513598972	-3.69988058	0.000215701	0.006973097	grip2a	ZDB-GENE-081104-132	grip2a

ENSDARG00000074201	1326.994354	-0.38070814	0.102993989	-3.696411263	0.000218669	0.007058024	flna	ZDB-GENE-030131-2145	flna
ENSDARG00000078619	539.8285291	-1.005564143	0.272209081	-3.694087418	0.000220678	0.007111799	pnp5a	ZDB-GENE-040426-2553	pnp5a
ENSDARG00000077760	30.5123289	-0.997935128	0.270338218	-3.691431916	0.000222995	0.007175317	asccl1	ZDB-GENE-050417-80	asccl1
ENSDARG00000037533	1384.189644	0.874007937	0.236861722	3.689950116	0.000224298	0.007203005	mep1b	ZDB-GENE-041014-209	mep1b
ENSDARG00000071450	3.622310297	-2.289830127	0.62060959	-3.689646701	0.000224566	0.007203005	tdrd5	ZDB-GENE-050208-502	tdrd5
ENSDARG00000070844	4344.925202	-0.604938919	0.163972523	-3.689270065	0.000224898	0.007203005	gamt	ZDB-GENE-051030-97	gamt
ENSDARG00000014565	1.722905832	-3.695998417	1.002176921	-3.687969997	0.00022605	0.00721547	eif4e1b	ZDB-GENE-980526-127	eif4e1b
ENSDARG00000037739	29.55971053	-0.972972327	0.263832761	-3.687837411	0.000226168	0.00721547	zgc:112980	ZDB-GENE-050306-1	zgc:112980
ENSDARG00000014488	160.11176	-0.557460744	0.151169531	-3.687652802	0.000226332	0.00721547	ca2	ZDB-GENE-031219-5	ca2
ENSDARG00000014943	37.57423737	-1.032403144	0.280121212	-3.685558615	0.000228202	0.00726389	kif23	ZDB-GENE-991019-4	kif23
ENSDARG00000076228	27.48162047	-0.996592599	0.270504937	-3.684193759	0.000229428	0.007291718	kif2c	ZDB-GENE-070912-298	kif2c
ENSDARG00000061923	183.8806671	0.462511959	0.125632293	3.681473516	0.00023189	0.007358686	amotl2a	ZDB-GENE-030131-9770	amotl2a
ENSDARG00000037873	473.6206586	1.368701751	0.371883073	3.680462629	0.000232811	0.007376626	cyp3c3	ZDB-GENE-041114-102	cyp3c3
ENSDARG00000098747	102.9550267	1.102590438	0.299618844	3.679976946	0.000233255	0.007379406	MYH6 (1 of many)		
ENSDARG00000102241	23.37968076	-4.290324694	1.166178023	-3.678962054	0.000234185	0.007397536	zgc:136410	ZDB-GENE-060421-6071	zgc:136410
ENSDARG00000009161	7.344155391	1.138538886	0.309711304	3.676129574	0.000236799	0.007468729	fr55	ZDB-GENE-070424-161	fr55
ENSDARG00000055338	20.38545664	0.846219644	0.23024294	3.675333731	0.000237539	0.007480664	si:dkeyp-50d11.2	ZDB-GENE-091113-22	si:dkeyp-50d11.2
ENSDARG00000028896	51.59861314	0.508092047	0.138304347	3.673724347	0.000239041	0.00751625	plpp2b	ZDB-GENE-030131-7425	plpp2b
ENSDARG00000043442	9.672388671	-1.765240408	0.480553686	-3.67334693	0.000239394	0.00751625	zgc:153665	ZDB-GENE-061027-365	zgc:153665
ENSDARG00000015472	215.3936684	0.303804595	0.802740839	3.671761137	0.000240885	0.00755161	gpc4	ZDB-GENE-011119-1	gpc4
ENSDARG00000024631	26.98336319	1.106128331	0.301368126	3.670356067	0.000242213	0.007581774	nlrc5	ZDB-GENE-080429-2	nlrc5
ENSDARG00000011262	5.579288125	-1.428932685	0.389566102	-3.668010844	0.000244445	0.007640099	traip	ZDB-GENE-040801-30	traip
ENSDARG00000075422	34.32316533	-0.626511577	0.170860689	-3.666797663	0.000245607	0.007664861	MRPL49		
ENSDARG00000061468	31.74706616	-0.994843193	0.271487996	-3.664409499	0.00024791	0.007725095	ncaph	ZDB-GENE-070112-652	ncaph
ENSDARG00000101014	12.36585207	-1.203502984	0.328657873	-3.661871757	0.000250379	0.007790327	slco1f4	ZDB-GENE-070112-2172	slco1f4
ENSDARG00000100236	5.357761148	-1.378286714	0.376465263	-3.661125867	0.000251109	0.007801331	cspp1a	ZDB-GENE-120709-73	cspp1a
ENSDARG00000079241	9.123095778	-1.136133001	0.310435937	-3.659798583	0.000252414	0.007822457	wdr90	ZDB-GENE-070424-67	wdr90
ENSDARG00000036442	234.1821003	0.426159583	0.116450348	3.659581865	0.000252627	0.007822457	atp11c	ZDB-GENE-030616-51	atp11c
ENSDARG00000069292	52.13975525	-0.958576337	0.261957414	-3.659283094	0.000252922	0.007822457	acot16	ZDB-GENE-041210-201	acot16
ENSDARG00000076381	306.7560263	-0.490547163	0.13417016	-3.656156941	0.000256025	0.007906621	slc25a1b	ZDB-GENE-130114-1	slc25a1b
ENSDARG00000019765	138.7657269	0.47987525	0.131395968	3.652130718	0.000260073	0.008002777	zgc:158803	ZDB-GENE-070424-15	zgc:158803
ENSDARG00000058800	11.12724757	-1.100266386	0.301287048	-3.651887434	0.00026032	0.008002777	rab25a	ZDB-GENE-041212-69	rab25a
ENSDARG00000075045	37.09115385	1.050430616	0.287661894	3.651615452	0.000260596	0.008002777	cxcl18b	ZDB-GENE-090313-165	cxcl18b
ENSDARG00000008022	11.09085828	-1.143040836	0.313030692	-3.651529597	0.000260683	0.008002777	kif18a	ZDB-GENE-040426-862	kif18a
ENSDARG00000052617	17.99316974	-0.954861191	0.261599525	-3.650087639	0.000262151	0.008035932	raver1	ZDB-GENE-050522-99	raver1
ENSDARG00000014915	112.7444322	-0.595831332	0.163254987	-3.649697598	0.000262549	0.008036255	ndufab1b	ZDB-GENE-030131-4437	ndufab1b
ENSDARG00000086484	1.03444408	-4.055250077	1.112347939	-3.645666914	0.000266699	0.008151241	fbxw10	ZDB-GENE-101021-1	fbxw10
ENSDARG00000021794	28.70280498	-0.956694971	0.262987937	-3.637790321	0.000274987	0.008384073	hmmr	ZDB-GENE-030131-731	hmmr
ENSDARG00000069192	7.380566364	-1.858946363	0.511028088	-3.637659863	0.000275126	0.008384073	zgc:163030	ZDB-GENE-060810-77	zgc:163030
ENSDARG00000102624	41.07288178	-0.765321805	0.210410549	-3.63727869	0.000275534	0.008384156	kif22	ZDB-GENE-080204-34	kif22
ENSDARG00000038667	160.7349596	0.573382888	0.157873995	3.631902075	0.00028134	0.008548277	fggy	ZDB-GENE-040426-2461	fggy
ENSDARG00000099865	453.9356124	-0.536146942	0.147648728	-3.63123306	0.00028207	0.008550016	hnrnpabb	ZDB-GENE-040426-2516	hnrnpabb
ENSDARG00000058159	80.98603244	0.622115572	0.171330063	3.631094043	0.000282222	0.008550016	ipo8	ZDB-GENE-060503-3	ipo8
ENSDARG00000057719	160.2508839	-0.420256375	0.115798914	-3.629190983	0.000284311	0.008600714	at12	ZDB-GENE-030131-6505	at12
ENSDARG00000090969	3.62034225	2.557117866	0.704810896	3.628090711	0.000285525	0.008624851	cbn18	ZDB-GENE-111109-3	cbn18
ENSDARG00000029170	499.3484158	-0.266634564	0.073527749	-3.626312063	0.000287498	0.008671807	si:ch211-200p22.4	ZDB-GENE-081104-61	si:ch211-200p22.4

ENSDARG00000055656	139.6033176	-0.725687306	0.2002592	-3.62374016	0.000290373	0.008742934	pdzd3b	ZDB-GENE-081022-151	pdzd3b
ENSDARG00000017917	1.515517599	-4.373452052	1.206985742	-3.62344964	0.0002907	0.008742934	her7	ZDB-GENE-000427-6	her7
ENSDARG00000063167	125.4816785	-0.581105254	0.160412643	-3.622565169	0.000291696	0.008760179	chkb	ZDB-GENE-030131-2928	chkb
ENSDARG00000075725	17.50343518	-1.144806358	0.316176541	-3.620782091	0.000293714	0.008799811	cep152	ZDB-GENE-111005-1	cep152
ENSDARG00000075008	7.290309911	-1.467328562	0.405266722	-3.620649021	0.000293865	0.008799811	pask	ZDB-GENE-030131-1394	pask
ENSDARG00000078167	91.76903819	0.572603345	0.158183198	3.619874631	0.000294746	0.008813452	si:dkeyp-100h4.1	ZDB-GENE-081103-7	si:dkeyp-100h4.1
ENSDARG00000108535	253.628981	-0.564299687	0.1559736	-3.617917938	0.000296983	0.008860252	CABZ01072077.1		
ENSDARG00000039116	327.6657466	0.770000586	0.212848637	3.617596984	0.000297351	0.008860252	nr5a5	ZDB-GENE-030131-4652	nr5a5
ENSDARG00000086017	0.90694839	-4.063380074	1.123291895	-3.617385732	0.000297594	0.008860252	zgc:153681	ZDB-GENE-060825-299	zgc:153681
ENSDARG00000070826	24.76807287	-0.684369131	0.189225916	-3.616677604	0.000298409	0.008868183	bpgm	ZDB-GENE-040718-375	bpgm
ENSDARG00000005356	30.12446967	-0.665562395	0.184039479	-3.616411001	0.000298716	0.008868183	tyro3	ZDB-GENE-990714-13	tyro3
ENSDARG00000099612	1.186596521	-4.589722638	1.27025619	-3.613225956	0.000302411	0.008965035	zgc:66483	ZDB-GENE-030131-5765	zgc:66483
ENSDARG00000038066	73.62224331	-0.907685858	0.251287371	-3.612142761	0.000303677	0.008989716	kpna2	ZDB-GENE-040718-22	kpna2
ENSDARG00000100185	5.440194487	-2.44398721	0.677029164	-3.609869915	0.000306351	0.009055916	elovl7b	ZDB-GENE-030131-5485	elovl7b
ENSDARG00000025275	3.293616513	-2.197249595	0.608968598	-3.608149258	0.000308389	0.009103188	gbgt11l	ZDB-GENE-040426-1117	gbgt11l
ENSDARG00000012892	70.45690578	-0.460459366	0.127632566	-3.607694981	0.000308929	0.009106165	ammecr1	ZDB-GENE-040426-1533	ammecr1
ENSDARG00000042722	43.58722104	0.50563328	0.140207757	3.6063146	0.000310577	0.009141716	blnk	ZDB-GENE-040702-4	blnk
ENSDARG00000054334	12.43472572	-1.186606345	0.329082837	-3.605798333	0.000311195	0.009146918	dctpp1	ZDB-GENE-040426-1741	dctpp1
ENSDARG00000009087	810.3090398	0.544567953	0.15106321	3.604901245	0.000312272	0.009158404	cd74a	ZDB-GENE-000901-1	cd74a
ENSDARG00000074712	18.79660216	2.281068918	0.632797635	3.604736793	0.000312469	0.009158404	si:ch211-186e20.2	ZDB-GENE-110407-8	si:ch211-186e20.2
ENSDARG00000080010	603.8974184	0.382740644	0.10620808	3.603686698	0.000313735	0.009182515	adh5	ZDB-GENE-011003-1	adh5
ENSDARG00000037870	18468.92326	0.461384999	0.128108102	3.601528642	0.000316352	0.009246033	actb2	ZDB-GENE-000329-3	actb2
ENSDARG00000006837	35.2380218	0.738366832	0.205095265	3.600116418	0.000318075	0.009266628	mycn	ZDB-GENE-020711-1	mycn
ENSDARG00000002523	376.2559454	-0.365582923	0.101563157	-3.599562418	0.000318753	0.009266628	hsdl2	ZDB-GENE-030131-1066	hsdl2
ENSDARG00000060917	69.62985944	-0.701397268	0.194872629	-3.599260051	0.000319124	0.009266628	anln	ZDB-GENE-030131-4486	anln
ENSDARG00000004906	269.5700379	-0.402661199	0.111880219	-3.599038361	0.000319396	0.009266628	stip1	ZDB-GENE-041121-17	stip1
ENSDARG00000099144	148.499634	0.361193839	0.100370664	3.598599684	0.000319935	0.009266628	igfbp3	ZDB-GENE-040412-1	igfbp3
ENSDARG00000089805	34.82053082	0.622860564	0.173084608	3.598590135	0.000319947	0.009266628	pcdh18a	ZDB-GENE-000607-1	pcdh18a
ENSDARG00000075491	24.75439536	-0.892495141	0.248025866	-3.598395432	0.000320187	0.009266628	si:ch211-26b3.4	ZDB-GENE-081104-60	si:ch211-26b3.4
ENSDARG00000077155	14.38022198	1.050586662	0.292025698	3.597582917	0.000321188	0.00928265	si:ch211-157p22.10	ZDB-GENE-060526-53	si:ch211-157p22.10
ENSDARG00000104924	7.891083289	1.655660971	0.460346382	3.596554757	0.00032246	0.00929758	BX072577.1		
ENSDARG00000070656	41.93527723	-0.968572479	0.269318218	-3.596386782	0.000322668	0.00929758	si:ch211-69g19.2	ZDB-GENE-030804-13	si:ch211-69g19.2
ENSDARG00000061858	792.9546191	-0.785371887	0.218396778	-3.596078176	0.000323051	0.00929758	zgc:153968	ZDB-GENE-061027-211	zgc:153968
ENSDARG00000058459	155.0411934	0.458816192	0.127688628	3.593242412	0.000326588	0.009386362	plekhg2	ZDB-GENE-090819-1	plekhg2
ENSDARG00000058725	9.354173695	2.990774615	0.83255563	3.592282016	0.000327795	0.009407984	rfesd	ZDB-GENE-050417-254	rfesd
ENSDARG00000005274	6.59554793	-1.40161799	0.39091915	-3.585442134	0.000336508	0.00964469	rad52	ZDB-GENE-050731-10	rad52
ENSDARG00000012833	42.49523451	-0.797621651	0.22255317	-3.583925393	0.000338469	0.009687501	foxn3	ZDB-GENE-060512-39	foxn3
ENSDARG00000099195	36.66844666	0.902647533	0.251934712	3.582862902	0.000339849	0.009713587	ier2a	ZDB-GENE-030131-9126	ier2a
ENSDARG00000071009	21.36726493	-0.970501995	0.27096663	-3.581629197	0.000341458	0.009746139	kif20ba	ZDB-GENE-041111-213	kif20ba
ENSDARG00000074041	95.34305891	0.462976582	0.129340899	3.579506435	0.000344244	0.009812131	abca5	ZDB-GENE-050517-5	abca5
ENSDARG00000053961	42.8396183	-0.816215607	0.228063476	-3.578896632	0.000345048	0.009821542	slc2a11a	ZDB-GENE-080723-20	slc2a11a
ENSDARG00000077089	15.4036217	-0.997254078	0.278871134	-3.576039101	0.000348839	0.009915846	blm	ZDB-GENE-070702-5	blm
ENSDARG00000092281	67.47202939	0.561872495	0.15721793	3.573844894	0.000351777	0.009985658	flnb	ZDB-GENE-041026-1	flnb
ENSDARG00000099148	210.9530256	-0.64608515	0.180800032	-3.573479177	0.000352269	0.009985942	bzw1b	ZDB-GENE-040426-2881	bzw1b
ENSDARG00000007344	220.6744697	-0.848305571	0.237438078	-3.572744425	0.000353259	0.009990222	tcap	ZDB-GENE-070501-5	tcap
ENSDARG00000074163	3.299192559	-2.49211289	0.697552689	-3.572651828	0.000353384	0.009990222	zgc:162879	ZDB-GENE-070424-92	zgc:162879

ENSDARG00000054534	159.2820626	0.845159406	0.236661619	3.571172255	0.000355387	0.010033148	ACOT12		
ENSDARG00000039887	230.7023477	-0.367511535	0.10292879	-3.570541668	0.000356244	0.010043651	c1qbp	ZDB-GENE-050417-408	c1qbp
ENSDARG00000061120	2356.158144	-0.646058633	0.180963542	-3.570103825	0.00035684	0.010046785	slc43a2b	ZDB-GENE-041212-6	slc43a2b
ENSDARG00000078297	48.75673985	0.798344091	0.22380574	3.567129646	0.000360913	0.010147677	ptprh	ZDB-GENE-091118-90	ptprh
ENSDARG00000020046	70.29603085	-0.750192513	0.210477024	-3.564248958	0.000364899	0.010238253	ahr1a	ZDB-GENE-020531-2	ahr1a
ENSDARG00000016783	163.9247999	0.332839347	0.093386944	3.56408866	0.000365123	0.010238253	srsf6b	ZDB-GENE-041219-1	srsf6b
ENSDARG00000011466	22.00208854	-0.694343781	0.194956439	-3.561532941	0.000368696	0.01032448	afg1la	ZDB-GENE-091006-2	afg1la
ENSDARG00000094265	21.24000331	0.902793619	0.253561024	3.560458962	0.000370207	0.010352423	si:dkey-183n20.15	ZDB-GENE-041001-160	si:dkey-183n20.15
ENSDARG00000090914	45.07926928	0.614306429	0.172552427	3.560114681	0.000370693	0.010352423	si:ch211-117k10.3	ZDB-GENE-141212-273	si:ch211-117k10.3
ENSDARG00000039677	365.3452885	-0.520334321	0.146260849	-3.557577595	0.000374291	0.010438828	dsc2l	ZDB-GENE-031116-55	dsc2l
ENSDARG00000022968	476.5426434	0.545905452	0.153467471	3.557141132	0.000374913	0.010442127	fxr1	ZDB-GENE-030131-5431	fxr1
ENSDARG00000077785	393.8819495	0.50698666	0.142541926	3.55675465	0.000375465	0.010443457	atf5b	ZDB-GENE-030131-2637	atf5b
ENSDARG00000016048	99.47624483	-0.49154696	0.138320149	-3.553690222	0.000379866	0.01055173	gpat3	ZDB-GENE-040718-436	gpat3
ENSDARG00000095540	1.859374561	3.139051967	0.883460365	3.553132761	0.000380672	0.010559551	sid1	ZDB-GENE-020620-1	sid1
ENSDARG00000011597	187.3964656	-0.578499091	0.162829471	-3.552791075	0.000381167	0.010559551	atxn2l	ZDB-GENE-030131-3246	atxn2l
ENSDARG00000044002	19.46802035	1.056612662	0.297508985	3.551531942	0.000382996	0.010583482	cyp2x7	ZDB-GENE-110114-2	cyp2x7
ENSDARG00000088972	83.15259419	0.636092082	0.17910555	3.551492864	0.000383052	0.010583482	si:dkey-238d18.4	ZDB-GENE-131121-307	si:dkey-238d18.4
ENSDARG00000105114	29.763764	0.930707561	0.262100308	3.550959438	0.00038383	0.010590834	crebrf	ZDB-GENE-120203-3	crebrf
ENSDARG00000094929	1565.678342	-1.199420443	0.337871963	-3.549925932	0.00038534	0.010604891	apoa4b.2	ZDB-GENE-030131-3143	apoa4b.2
ENSDARG00000062266	124.4377402	-0.41400657	0.116624519	-3.549910205	0.000385363	0.010604891	edc4	ZDB-GENE-030131-5032	edc4
ENSDARG00000062794	13.52284462	-1.505461766	0.424134123	-3.549494574	0.000385971	0.010607559	trim36	ZDB-GENE-040426-2936	trim36
ENSDARG00000045870	101.2993642	0.484720583	0.136785957	3.543642876	0.000394639	0.010831415	plekha5	ZDB-GENE-041210-25	plekha5
ENSDARG00000005690	45.60867783	-0.771658612	0.217821191	-3.542624147	0.000396167	0.010858956	slc25a23a	ZDB-GENE-121214-154	slc25a23a
ENSDARG00000101037	13.61555197	-1.207526049	0.34095296	-3.541620664	0.000397677	0.010885946	asf1ba	ZDB-GENE-031118-197	asf1ba
ENSDARG00000077540	20.1207012	-1.046384699	0.29554758	-3.540494894	0.000399377	0.010917186	f2r1.2	ZDB-GENE-070615-24	f2r1.2
ENSDARG00000063169	1.521015241	-4.160847878	1.175324857	-3.540168366	0.000399872	0.010917186	ubn1	ZDB-GENE-070928-28	ubn1
ENSDARG00000005619	11.15179541	-1.466530518	0.414463896	-3.538379417	0.000402591	0.010976965	nek2	ZDB-GENE-040426-752	nek2
ENSDARG00000041602	42.29408662	-0.520042973	0.147007492	-3.537526993	0.000403893	0.010997988	zgc:92335	ZDB-GENE-040718-152	zgc:92335
ENSDARG00000069065	26.48999436	-0.814037491	0.230156974	-3.53687953	0.000404884	0.011010515	btg3	ZDB-GENE-031113-19	btg3
ENSDARG00000091136	603.1109635	1.112077131	0.314931199	3.531174854	0.000413718	0.011236	zgc:174259	ZDB-GENE-080213-10	zgc:174259
ENSDARG00000074985	101.0480781	-0.668288317	0.189308291	-3.530158727	0.00041531	0.01126448	aurkaip1	ZDB-GENE-070928-24	aurkaip1
ENSDARG00000039351	84.27518266	1.45250644	0.411571465	3.529171878	0.000416862	0.011282179	ccl19b	ZDB-GENE-091204-19	ccl19b
ENSDARG00000059247	20.67436242	-0.728875852	0.206536803	-3.529036184	0.000417076	0.011282179	tmem54a	ZDB-GENE-040426-1304	tmem54a
ENSDARG00000017165	264.2338311	0.710173377	0.201256019	3.528706273	0.000417596	0.011282179	slc3a1	ZDB-GENE-090313-225	slc3a1
ENSDARG00000063509	166.7381863	-0.984395359	0.279109092	-3.526919711	0.000420424	0.01134379	lrrc58b	ZDB-GENE-050309-29	lrrc58b
ENSDARG00000074087	1.39973819	-3.177386702	0.901179775	-3.525807824	0.000422193	0.011376707	nim1k	ZDB-GENE-130530-744	nim1k
ENSDARG00000039066	2335.511513	0.763900424	0.216800121	3.523523982	0.000425849	0.011460304	klhl31	ZDB-GENE-030131-2052	klhl31
ENSDARG00000022845	81.19065348	-0.409045298	0.116140146	-3.521997442	0.000428308	0.011511549	lias	ZDB-GENE-040426-1528	lias
ENSDARG00000004187	4.014290053	-2.097239675	0.595682708	-3.520732846	0.000430356	0.011551601	zgc:122979	ZDB-GENE-051127-45	zgc:122979
ENSDARG00000040257	2.146428263	-2.958926613	0.840558116	-3.520192781	0.000431233	0.011560175	slc38a11	ZDB-GENE-050417-122	slc38a11
ENSDARG00000099425	404.0989585	0.610187741	0.173357571	3.51982171	0.000431837	0.011561403	CAB201073265.1		
ENSDARG00000078733	134.6892607	-0.702998133	0.199766985	-3.519090663	0.000433029	0.011578349	cnm2b	ZDB-GENE-090311-26	cnm2b
ENSDARG00000089162	49.79408341	0.522473275	0.148486095	3.518668039	0.000433719	0.011581863	afap1l1a	ZDB-GENE-050913-76	afap1l1a
ENSDARG00000026723	207.6425915	-0.460903731	0.13107988	-3.516205016	0.000437763	0.011674802	syncrpl	ZDB-GENE-030131-3104	syncrpl
ENSDARG00000004473	17.41708141	1.042816472	0.296655129	3.515248416	0.000439343	0.011691951	tbx21	ZDB-GENE-080104-3	tbx21
ENSDARG00000017444	196.8881758	0.716351717	0.203790804	3.515132699	0.000439534	0.011691951	hal	ZDB-GENE-070410-5	hal

ENSDARG00000071353	385.5158487	-0.687532286	0.195740831	-3.512462285	0.000443975	0.011780225	si:ch211-235e9.8	ZDB-GENE-141219-2	si:ch211-235e9.8
ENSDARG00000079009	600.6429268	-0.745470448	0.212254617	-3.512151867	0.000444494	0.011780225	abca1b	ZDB-GENE-030131-9826	abca1b
ENSDARG00000017261	197.898468	-0.658180438	0.18741237	-3.511937004	0.000444853	0.011780225	gdpd1	ZDB-GENE-040822-22	gdpd1
ENSDARG00000016290	1333.734282	0.728160773	0.207348429	3.511773768	0.000445127	0.011780225	clca1	ZDB-GENE-030131-6221	clca1
ENSDARG00000055652	28.68375933	-0.625564091	0.178346973	-3.507567757	0.000452223	0.011952766	aclyb	ZDB-GENE-090909-2	aclyb
ENSDARG00000099819	616.3743753	-0.612742087	0.17475405	-3.506311218	0.000454364	0.011994042	sb:cb1058	ZDB-GENE-040108-9	sb:cb1058
ENSDARG00000077404	168.8811891	0.277852064	0.079319442	3.502950328	0.000460135	0.012122653	ncoa3	ZDB-GENE-051107-8	ncoa3
ENSDARG00000062096	179.9229733	0.411166626	0.117382481	3.502793792	0.000460406	0.012122653	pm20d1.2	ZDB-GENE-061013-637	pm20d1.2
ENSDARG00000069006	123.3066834	0.503809441	0.143852493	3.502264241	0.000461322	0.01213136	tlf3b	ZDB-GENE-990415-85	tlf3b
ENSDARG00000103176	1.985226834	-2.65275252	0.757809735	-3.500552222	0.000464295	0.012194077	nr5a1a	ZDB-GENE-010504-1	nr5a1a
ENSDARG00000102082	98.59800528	0.664289338	0.189929723	3.497553349	0.000469547	0.012316391	nr3c2	ZDB-GENE-060531-23	nr3c2
ENSDARG00000040266	4.658260534	-2.186208181	0.625721792	-3.493898104	0.000476023	0.01247047	sox19b	ZDB-GENE-010111-1	sox19b
ENSDARG00000035569	129.6478331	0.507814945	0.145381928	3.492971591	0.000477677	0.012498017	cyp1d1	ZDB-GENE-041114-179	cyp1d1
ENSDARG00000089071	27.15420299	0.851762702	0.243943089	3.491645152	0.000480056	0.012544402	ushbp1	ZDB-GENE-121024-2	ushbp1
ENSDARG00000032571	132.6613285	0.504663089	0.144841032	3.48425499	0.000493509	0.012869017	il20ra	ZDB-GENE-040724-249	il20ra
ENSDARG00000016477	195.7062845	0.523769911	0.150329731	3.48414055	0.00049372	0.012869017	eif4a2	ZDB-GENE-040426-2802	eif4a2
ENSDARG00000077764	71.61527115	-0.511418681	0.146970806	-3.479729709	0.00050192	0.013066311	faah	ZDB-GENE-070619-3	faah
ENSDARG00000074656	38.1249723	-1.397576599	0.401687087	-3.479266932	0.000502788	0.013072475	ctss2.1	ZDB-GENE-050522-559	ctss2.1
ENSDARG00000042956	51.03675768	0.895637784	0.25747375	3.478559598	0.000504116	0.01308958	cyp2ad6	ZDB-GENE-041001-157	cyp2ad6
ENSDARG00000044094	355.4338067	0.537126606	0.154426318	3.478206382	0.000504781	0.01308958	gfpt2	ZDB-GENE-071113-1	gfpt2
ENSDARG00000095410	26.57832988	1.001436639	0.287956858	3.477731517	0.000505676	0.01308958	si:ch211-285c6.4	ZDB-GENE-041001-97	si:ch211-285c6.4
ENSDARG00000038768	134.2940925	-0.487833348	0.140279762	-3.477574672	0.000505972	0.01308958	mrpl12	ZDB-GENE-050417-187	mrpl12
ENSDARG00000037393	86.66703996	-0.567370741	0.163188273	-3.476786222	0.000507462	0.013111762	slc43a1a	ZDB-GENE-030131-6327	slc43a1a
ENSDARG00000054539	187.2978953	0.38069049	0.109529866	3.475677492	0.000509565	0.013149688	lrp10	ZDB-GENE-140418-2	lrp10
ENSDARG00000077726	86.0476517	-1.003007102	0.288785832	-3.47318667	0.000514318	0.01325583	nocta	ZDB-GENE-050208-306	nocta
ENSDARG00000037550	2.519723682	-2.805182408	0.808193325	-3.470929937	0.000518659	0.013351128	cyp21a2	ZDB-GENE-070103-6	cyp21a2
ENSDARG00000052900	8.037847019	1.611562102	0.464674327	3.468153952	0.000524047	0.013473079	zgc:153642	ZDB-GENE-061013-527	zgc:153642
ENSDARG00000045442	28341.73881	0.71393428	0.205881934	3.467687847	0.000524957	0.013479743	cpb1	ZDB-GENE-030131-1132	cpb1
ENSDARG00000034982	40.77026931	-0.561562648	0.162035402	-3.465678751	0.000528895	0.013564057	zcchc8	ZDB-GENE-060526-6	zcchc8
ENSDARG00000014945	247.157125	-0.43955031	0.126884288	-3.464182337	0.000531846	0.01362288	znf598	ZDB-GENE-060602-3	znf598
ENSDARG00000031911	129.1279151	0.363119354	0.104888799	3.461945949	0.000536285	0.013719623	tns3.2	ZDB-GENE-081031-95	tns3.2
ENSDARG00000092931	103.4164754	0.764430648	0.220849579	3.461318117	0.000537537	0.013734705	si:ch211-114c12.5	ZDB-GENE-060526-13	si:ch211-114c12.5
ENSDARG00000031100	523.694031	-0.356628593	0.103104854	-3.458892373	0.000542402	0.013841928	ivns1abpa	ZDB-GENE-031222-2	ivns1abpa
ENSDARG00000100815	0.911180294	-3.669244226	1.06114335	-3.45782144	0.000544562	0.013879972	srsf3a	ZDB-GENE-030616-631	srsf3a
ENSDARG00000101205	33.68229932	0.633429506	0.183259142	3.4564688	0.000547303	0.013932683	mbd1a	ZDB-GENE-030131-4214	mbd1a
ENSDARG00000067851	57.08642536	-0.686702424	0.19877681	-3.454640529	0.000551027	0.014003861	lcn15	ZDB-GENE-060825-349	lcn15
ENSDARG00000057128	299.9498687	-0.389385926	0.112720631	-3.454433504	0.00055145	0.014003861	hadhaa	ZDB-GENE-031222-5	hadhaa
ENSDARG00000007959	170.9282006	-0.454889574	0.131718059	-3.45350954	0.000553343	0.014017682	hibadhb	ZDB-GENE-040426-1582	hibadhb
ENSDARG00000018542	4.385820049	-1.624349196	0.470371921	-3.453329429	0.000553712	0.014017682	hapln4	ZDB-GENE-060503-243	hapln4
ENSDARG00000032849	413.995171	0.437076877	0.126572365	3.453177753	0.000554024	0.014017682	ndrg1a	ZDB-GENE-030826-34	ndrg1a
ENSDARG00000029689	6.879815536	1.59891862	0.46308033	3.452788894	0.000554823	0.014020784	tkta	ZDB-GENE-130530-578	tkta
ENSDARG00000077180	50.70277329	-0.699138873	0.202515121	-3.452279858	0.000555871	0.014030153	slc37a4b	ZDB-GENE-040426-827	slc37a4b
ENSDARG00000077068	715.1702294	0.679154295	0.196773574	3.451450731	0.000557582	0.01405621	si:ch211-11p18.6	ZDB-GENE-070912-24	si:ch211-11p18.6
ENSDARG00000100607	21.49807347	0.689354034	0.199853606	3.449294958	0.000562052	0.014151701	zbtb38	ZDB-GENE-091204-308	zbtb38
ENSDARG00000091222	81.60247179	-0.585604527	0.169812488	-3.448536287	0.000563634	0.014174294	si:dkey-190l8.2	ZDB-GENE-030131-9103	si:dkey-190l8.2
ENSDARG00000104541	90.54041651	-0.517601044	0.15015716	-3.447062031	0.000566718	0.014234594	msh6	ZDB-GENE-020905-3	msh6

ENSDARG00000013776	106.5639242	-0.763140238	0.221451557	-3.446082063	0.000568778	0.014269019	thop1	ZDB-GENE-040718-47	thop1
ENSDARG00000070453	228.6639975	-0.720350218	0.209155224	-3.444093838	0.000572977	0.014356983	gch1	ZDB-GENE-070720-5	gch1
ENSDARG00000091801	164.9770252	-0.438413137	0.12734713	-3.442662098	0.000576019	0.01437965	serpinb14	ZDB-GENE-050506-148	serpinb14
ENSDARG00000074776	14.64088744	-0.814289943	0.236564008	-3.442154822	0.0005771	0.01437965	tmem154	ZDB-GENE-030131-2401	tmem154
ENSDARG00000078729	5.098486418	1.313753299	0.381670723	3.442111797	0.000577192	0.01437965	ackr4a	ZDB-GENE-070301-6	ackr4a
ENSDARG00000079997	9.046031438	1.132550433	0.32903383	3.442048592	0.000577327	0.01437965	si:zfos-223e1.2	ZDB-GENE-110411-269	si:zfos-223e1.2
ENSDARG00000078419	74.29537924	0.653624856	0.189894774	3.442037101	0.000577351	0.01437965	filip1a	ZDB-GENE-030131-4110	filip1a
ENSDARG00000092919	1.14857605	-5.249328985	1.52540204	-3.441275707	0.000578978	0.014402866	zp3c	ZDB-GENE-060817-5	zp3c
ENSDARG00000104493	51.69076939	0.556779342	0.161977574	3.43738536	0.000587359	0.014593836	LO018176.1		
ENSDARG00000003963	49.31036545	0.531883188	0.154764	3.436737154	0.000588767	0.014611285	traf4a	ZDB-GENE-040308-1	traf4a
ENSDARG00000042272	9.130122387	-1.053620306	0.306710561	-3.435226694	0.000592058	0.014675398	tmem231	ZDB-GENE-040426-1386	tmem231
ENSDARG00000105498	9.376054523	-1.031102181	0.300624066	-3.42987238	0.000603865	0.014950173	TSC22D3 (1 of many)	ZDB-GENE-160114-28	si:ch211-220e11.3
ENSDARG00000043843	79.30380305	0.589889747	0.17204214	3.428751498	0.000606364	0.014994134	akap7	ZDB-GENE-040724-128	akap7
ENSDARG00000088923	3.986709357	-7.662796506	2.238010118	-3.423932915	0.000617219	0.015244342	si:ch211-12h2.8	ZDB-GENE-091118-43	si:ch211-12h2.8
ENSDARG00000078592	197.0690734	-0.513534794	0.150056633	-3.422273207	0.000620999	0.015319449	nomo	ZDB-GENE-040826-3	nomo
ENSDARG00000020377	437.4221762	-0.452956924	0.132428376	-3.420391748	0.00062531	0.015407464	eif4g2a	ZDB-GENE-030131-2173	eif4g2a
ENSDARG00000038802	3.691470878	-1.804926642	0.527792297	-3.419766928	0.000626748	0.015424553	cenpl	ZDB-GENE-040930-6	cenpl
ENSDARG00000077400	94.67111806	0.529129638	0.154829757	3.417493174	0.000632007	0.015535522	rbm10	ZDB-GENE-100922-245	rbm10
ENSDARG00000005699	142.1120169	-0.572539818	0.167581785	-3.416480004	0.000634363	0.015559168	ddx19	ZDB-GENE-020419-30	ddx19
ENSDARG00000038583	150.7398641	-0.641197145	0.187680239	-3.416433976	0.00063447	0.015559168	abraa	ZDB-GENE-120730-1	abraa
ENSDARG00000008807	2.942723422	-2.303516283	0.674431826	-3.415491666	0.00063667	0.015594647	bokb	ZDB-GENE-040426-1346	bokb
ENSDARG00000033413	90.09733843	-0.5754356	0.168508469	-3.414876426	0.00063811	0.015600141	acot18	ZDB-GENE-041210-254	acot18
ENSDARG00000029063	260.970529	-0.374046196	0.109538301	-3.414752566	0.0006384	0.015600141	clpxa	ZDB-GENE-040912-143	clpxa
ENSDARG00000099999	198.204042	0.284491039	0.083360203	3.412792061	0.00064301	0.015694288	tcf3b	ZDB-GENE-051113-64	tcf3b
ENSDARG00000021032	32.99009864	0.655742315	0.192277213	3.410400562	0.000648675	0.015813941	foxd3	ZDB-GENE-980526-143	foxd3
ENSDARG00000098375	267.3144557	-0.408422437	0.119775729	-3.409893155	0.000649883	0.015824774	polr1a	ZDB-GENE-030131-5286	polr1a
ENSDARG00000091609	192.7237089	0.769774259	0.225886823	3.407787362	0.000654919	0.015928678	spink4	ZDB-GENE-130821-1	spink4
ENSDARG000000112895	5.96501952	-1.717382097	0.504228702	-3.405958622	0.000659322	0.016016957	FO834857.1		
ENSDARG00000003699	145.6960211	-0.358776344	0.105353393	-3.405456018	0.000660537	0.016027679	atp7a	ZDB-GENE-060825-45	atp7a
ENSDARG00000029510	204.5900092	-0.561862518	0.16501454	-3.40492734	0.000661817	0.016039958	tim17a	ZDB-GENE-031030-6	tim17a
ENSDARG00000079532	16.04273484	-0.834141648	0.245197488	-3.401917585	0.000669148	0.016198701	zgc:194242	ZDB-GENE-081022-84	zgc:194242
ENSDARG00000071583	5.001501557	-6.876204648	2.021515099	-3.401510407	0.000670146	0.016203921	gtf3ab	ZDB-GENE-030131-7698	gtf3ab
ENSDARG00000059003	37.39078537	0.645835346	0.189897376	3.400970359	0.000671471	0.016217044	strip2	ZDB-GENE-120328-1	strip2
ENSDARG00000061450	57.13039154	0.613255237	0.180373758	3.399913843	0.000674071	0.016260881	tesk2	ZDB-GENE-070209-68	tesk2
ENSDARG00000105364	45.2104874	0.856126238	0.251844726	3.399420955	0.000675287	0.016271275	si:ch73-223f5.1	ZDB-GENE-160113-94	si:ch73-223f5.1
ENSDARG00000011553	1140.895306	-0.263532738	0.077538126	-3.398750432	0.000676945	0.016292271	atp5pb	ZDB-GENE-041010-33	atp5pb
ENSDARG00000018165	8.359379315	-1.412398828	0.415771728	-3.39705356	0.000681156	0.016374619	depdc1a	ZDB-GENE-030131-9827	depdc1a
ENSDARG00000103991	142.7446227	-0.461683444	0.135925176	-3.39659993	0.000682286	0.01638278	sec14l1	ZDB-GENE-040426-801	sec14l1
ENSDARG00000061850	33.0333713	0.795183277	0.23423305	3.394838071	0.000686692	0.016469481	si:dkey-19b23.13	ZDB-GENE-140106-78	si:dkey-19b23.13
ENSDARG00000008904	290.7618008	0.300826204	0.088641967	3.39372214	0.000689496	0.016517617	smarca2	ZDB-GENE-030131-5964	smarca2
ENSDARG00000073905	135.1447561	0.427243982	0.125925491	3.392831578	0.000691742	0.016552273	zgc:92481	ZDB-GENE-040912-181	zgc:92481
ENSDARG00000075113	8.560896995	-8.836189112	2.605710937	-3.391085706	0.000696163	0.016638864	nanog	ZDB-GENE-030131-5486	nanog
ENSDARG00000092954	81.88151698	-0.514510929	0.151818878	-3.388978609	0.000701535	0.016728858	mrpl34	ZDB-GENE-070912-582	mrpl34
ENSDARG00000070040	6.127629813	-1.41895618	0.418697699	-3.38897535	0.000701543	0.016728858	zgc:162344	ZDB-GENE-030131-6058	zgc:162344
ENSDARG00000077982	114.4860993	0.616589849	0.182041668	3.387080853	0.000706406	0.016800063	elf3	ZDB-GENE-030131-8760	elf3
ENSDARG00000077737	41.25494846	0.626713824	0.185037061	3.386963775	0.000706707	0.016800063	spsb3a	ZDB-GENE-030131-4182	spsb3a

ENSDARG00000089802	1.63980811	-5.81247226	1.71618063	-3.386865087	0.000706961	0.016800063	akap1a	ZDB-GENE-030131-5980	akap1a
ENSDARG00000054510	66.80564781	-0.661432564	0.195376537	-3.385424744	0.000710682	0.016869131	adrb2b	ZDB-GENE-070410-32	adrb2b
ENSDARG00000057624	57.52494278	-0.527154075	0.155774904	-3.384075755	0.000714183	0.016932837	cops5	ZDB-GENE-040426-1686	cops5
ENSDARG00000062109	15.70596915	-0.876706158	0.259123698	-3.383349981	0.000716073	0.016958249	shdb	ZDB-GENE-030131-6059	shdb
ENSDARG00000024311	12.08974983	-0.831070789	0.24584034	-3.38053059	0.00072346	0.017113633	nsmce4a	ZDB-GENE-050522-111	nsmce4a
ENSDARG00000007276	18668.078	0.736366888	0.217901756	3.3793527	0.000726567	0.017159518	ela3l	ZDB-GENE-060710-2	ela3l
ENSDARG00000029039	3.671651556	-1.835500091	0.543181099	-3.37916782	0.000727056	0.017159518	zdhhc23a	ZDB-GENE-060526-38	zdhhc23a
ENSDARG00000019304	4.787111318	-1.4015521	0.414892603	-3.378108185	0.000729864	0.017185128	phactr3b	ZDB-GENE-050522-156	phactr3b
ENSDARG00000089388	7.276510341	1.48819852	0.440593825	3.377710798	0.000730919	0.017185128	ftr35	ZDB-GENE-070912-111	ftr35
ENSDARG00000062460	64.43505207	-0.456371025	0.135113682	-3.377681802	0.000730996	0.017185128	sgk3	ZDB-GENE-070424-62	sgk3
ENSDARG00000057738	84.19515856	-0.705743987	0.208954058	-3.377507918	0.000731458	0.017185128	hells	ZDB-GENE-030131-9923	hells
ENSDARG00000076847	363.1847081	0.447005845	0.132410397	3.375911982	0.000735715	0.017252301	tnrc6c1	ZDB-GENE-030131-7440	tnrc6c1
ENSDARG00000004460	15.61122614	-0.904451332	0.267921145	-3.375811691	0.000735983	0.017252301	desi2	ZDB-GENE-040801-39	desi2
ENSDARG00000057863	10.9513263	-1.130018163	0.334816339	-3.375038886	0.000738053	0.017281273	dnmt3bb.3	ZDB-GENE-050314-2	dnmt3bb.3
ENSDARG00000014179	203.5803529	-0.730802893	0.216624354	-3.373595251	0.000741934	0.01735254	pfkma	ZDB-GENE-040912-135	pfkma
ENSDARG00000051962	135.8930373	0.340990847	0.101115172	3.372301506	0.000745428	0.017414609	mmp15a	ZDB-GENE-070817-4	mmp15a
ENSDARG00000001767	14.21224453	-1.014445461	0.30095027	-3.370807615	0.000749482	0.017470082	slc29a2	ZDB-GENE-050220-15	slc29a2
ENSDARG00000091503	29.1866535	-0.623871729	0.185080926	-3.370805107	0.000749489	0.017470082	CABZ01073954.1		
ENSDARG00000078069	68.39257643	-0.958062397	0.284262559	-3.37034325	0.000750746	0.01747973	rrm2	ZDB-GENE-990415-25	rrm2
ENSDARG00000095463	5.497370877	-6.061439537	1.798632415	-3.370026854	0.000751609	0.017480172	si:ch73-90k17.1	ZDB-GENE-090312-218	si:ch73-90k17.1
ENSDARG00000042627	100.2857484	0.562417103	0.166941808	3.368941017	0.000754576	0.017529505	nhs1b	ZDB-GENE-040910-1	nhs1b
ENSDARG00000077469	74.7688183	-0.575807936	0.170950089	-3.368281001	0.000756385	0.017541692	polr1b	ZDB-GENE-040426-1598	polr1b
ENSDARG00000069463	85.22846777	0.497671378	0.147758867	3.368132057	0.000756793	0.017541692	alox12	ZDB-GENE-030131-1452	alox12
ENSDARG00000036438	711.5879282	-0.332285065	0.09873094	-3.365561644	0.00076388	0.017686168	ndufv1	ZDB-GENE-040808-73	ndufv1
ENSDARG00000062593	22.94431787	0.768855295	0.22858987	3.363470542	0.000769691	0.017800811	stox1	ZDB-GENE-030925-2	stox1
ENSDARG00000019541	697.8367496	-0.408962481	0.121639318	-3.362091209	0.000773546	0.017870026	gpt2l	ZDB-GENE-050302-11	gpt2l
ENSDARG00000104129	10.54542637	-1.095986082	0.326185994	-3.360003497	0.000779415	0.017985562	si:dkey-23n7.10	ZDB-GENE-141222-64	si:dkey-23n7.10
ENSDARG00000071238	10.31982302	1.217575443	0.362491209	3.358910267	0.000782505	0.018024088	ftr58	ZDB-GENE-080219-44	ftr58
ENSDARG00000007996	47.034879	0.514402792	0.153150878	3.358797531	0.000782824	0.018024088	pou2f1b	ZDB-GENE-030131-2422	pou2f1b
ENSDARG00000102554	8.461935489	-1.073570188	0.319690407	-3.358155782	0.000784644	0.018036812	zgc:112433	ZDB-GENE-050417-294	zgc:112433
ENSDARG00000098746	132.7075347	0.817607869	0.243481404	3.357988969	0.000785117	0.018036812	dhrs13l1	ZDB-GENE-040426-1907	dhrs13l1
ENSDARG00000103286	10.42773856	-1.040415738	0.309889592	-3.357375541	0.000786862	0.018052965	kcnk4a	ZDB-GENE-141211-80	kcnk4a
ENSDARG00000079372	130.215316	-0.474960559	0.141480182	-3.357081915	0.000787698	0.018052965	si:ch211-264f5.6	ZDB-GENE-081104-208	si:ch211-264f5.6
ENSDARG00000092162	30.65475356	0.797046412	0.237440666	3.356823525	0.000788434	0.018052965	mhc1zaa	ZDB-GENE-030916-1	mhc1zaa
ENSDARG00000054473	11.75770331	-0.92150042	0.274653995	-3.355132042	0.000793271	0.018143669	tinf2	ZDB-GENE-030131-6168	tinf2
ENSDARG00000095448	4.896607351	1.480967231	0.441862123	3.351650103	0.000803315	0.018313489	ftr30	ZDB-GENE-070912-106	ftr30
ENSDARG00000006062	388.0245399	-0.420583567	0.12548803	-3.351583161	0.000803509	0.018313489	akap1b	ZDB-GENE-030131-6844	akap1b
ENSDARG00000093216	25.73287077	-10.06598441	3.003519378	-3.351396526	0.000804051	0.018313489	si:ch211-146l10.7	ZDB-GENE-091112-4	si:ch211-146l10.7
ENSDARG00000014208	2.041348788	-5.375783222	1.604072428	-3.351334472	0.000804231	0.018313489	zgc:55413	ZDB-GENE-040426-2909	zgc:55413
ENSDARG00000101259	29.38362595	-0.668755996	0.199584598	-3.350739501	0.000805961	0.018332733	hgh1	ZDB-GENE-040718-228	hgh1
ENSDARG00000090679	48.19060127	0.474297379	0.141590218	3.349789158	0.000808731	0.018375573	si:ch211-79k12.2	ZDB-GENE-131121-535	si:ch211-79k12.2
ENSDARG00000003250	38.74476517	0.529266756	0.158051184	3.348704784	0.000811903	0.018427431	pik3cd	ZDB-GENE-040426-1128	pik3cd
ENSDARG00000101332	90.56542715	-0.468095063	0.139824362	-3.347736089	0.000814746	0.01846825	uba2	ZDB-GENE-040426-2681	uba2
ENSDARG00000005355	37.76374141	-0.91740472	0.274057888	-3.347485179	0.000815483	0.01846825	larp6a	ZDB-GENE-030131-6403	larp6a
ENSDARG00000032206	161.7396735	0.618960947	0.184941646	3.346790524	0.00081753	0.018494377	cthl	ZDB-GENE-040905-3	cthl
ENSDARG00000092112	127.2460837	-0.394742512	0.117962312	-3.346344308	0.000818846	0.018503966	tomm40	ZDB-GENE-030131-1365	tomm40

ENSDARG0000004211	86.8765496	0.465037793	0.138998155	3.345640039	0.000820929	0.018530816	ccdc106a	ZDB-GENE-050220-4	ccdc106a
ENSDARG00000013333	365.2631336	-0.412930342	0.123464232	-3.344534172	0.000824209	0.018584607	ndufa10	ZDB-GENE-030131-670	ndufa10
ENSDARG00000022698	190.8783921	0.614889649	0.183937215	3.342932263	0.000828981	0.018653475	lad1	ZDB-GENE-030616-268	lad1
ENSDARG00000058358	4854.340267	0.322384932	0.096438562	3.342904808	0.000829063	0.018653475	krt8	ZDB-GENE-030411-5	krt8
ENSDARG00000036588	2040.022341	0.474889867	0.14217482	3.340182651	0.000837233	0.018813301	mhc1zba	ZDB-GENE-040426-2149	mhc1zba
ENSDARG00000075557	58.93989112	0.537814826	0.161026204	3.33992115	0.000838022	0.018813301	apcdd1l	ZDB-GENE-121022-3	apcdd1l
ENSDARG00000056832	6.289136569	-1.526170192	0.456987345	-3.339633382	0.000838891	0.018813301	exo1	ZDB-GENE-040426-2828	exo1
ENSDARG00000008805	20.10682663	-0.896295322	0.268517024	-3.33794598	0.000844002	0.018887455	orc3	ZDB-GENE-030131-6247	orc3
ENSDARG00000038321	112.5910405	0.806867665	0.241726241	3.337939899	0.00084402	0.018887455	zgc:172053	ZDB-GENE-080219-25	zgc:172053
ENSDARG00000060594	520.5510476	-0.513708577	0.153924336	-3.337409724	0.000845632	0.01888813	hadhab	ZDB-GENE-041111-204	hadhab
ENSDARG00000016200	62.77172492	-0.552608887	0.16558411	-3.337330423	0.000845873	0.01888813	trib3	ZDB-GENE-040426-2609	trib3
ENSDARG00000079188	0.923943881	3.270233064	0.980075932	3.33671398	0.000847751	0.018909693	nxph2b	ZDB-GENE-090708-1	nxph2b
ENSDARG00000097445	15.60730234	0.838634369	0.251398604	3.335875204	0.000850313	0.018940124	si:dkey-195m11.8	ZDB-GENE-030131-3092	si:dkey-195m11.8
ENSDARG00000074367	97.34528443	0.421437273	0.126342648	3.335669148	0.000850944	0.018940124	usp12b	ZDB-GENE-100209-4	usp12b
ENSDARG00000105190	9.960452368	1.071262946	0.321214572	3.335038447	0.000852876	0.018962766	rhbdl3	ZDB-GENE-050417-2	rhbdl3
ENSDARG00000006508	48.35903072	-0.69641612	0.208888085	-3.333919792	0.000856313	0.019018786	pip5k1bb	ZDB-GENE-040912-141	pip5k1bb
ENSDARG00000058053	637.1191627	0.556541731	0.166971373	3.333156584	0.000858666	0.019050618	serping1	ZDB-GENE-030131-1262	serping1
ENSDARG00000086985	263.3513095	0.43566787	0.130720648	3.332816021	0.000859718	0.019053552	klc4	ZDB-GENE-050417-350	klc4
ENSDARG00000054916	255.852981	-0.806707168	0.242133252	-3.331666192	0.000863277	0.019112002	eif4ebp3	ZDB-GENE-041114-44	eif4ebp3
ENSDARG00000044511	132.6473594	0.946095148	0.284081533	3.330364837	0.000867323	0.019181066	etv5b	ZDB-GENE-991228-4	etv5b
ENSDARG00000071694	22.38963332	-0.861243969	0.258649241	-3.329775738	0.00086916	0.019201199	ndc80	ZDB-GENE-030131-904	ndc80
ENSDARG00000058953	384.7915252	-0.365386065	0.109759872	-3.328958543	0.000871714	0.019237117	abcc4	ZDB-GENE-030616-511	abcc4
ENSDARG00000071541	1.210509607	-3.940879766	1.183982035	-3.328496252	0.000873162	0.019248573	si:dkey-42i9.8	ZDB-GENE-050208-412	si:dkey-42i9.8
ENSDARG00000014770	305.2508396	-0.345338742	0.103857165	-3.325131595	0.000883768	0.019397713	usp4	ZDB-GENE-041008-187	usp4
ENSDARG00000005823	208.7959949	0.400726819	0.120516891	3.32506768	0.000883971	0.019397713	slc39a10	ZDB-GENE-040426-1157	slc39a10
ENSDARG00000100686	1.693850526	-2.910287599	0.875258024	-3.325062461	0.000883987	0.019397713	si:ch211-241b2.4	ZDB-GENE-081104-191	si:ch211-241b2.4
ENSDARG00000092770	1.055748479	4.31725217	1.298473333	3.324867797	0.000884605	0.019397713	si:ch211-253p18.2	ZDB-GENE-041001-106	si:ch211-253p18.2
ENSDARG00000074828	2.588659383	-2.145131983	0.645225255	-3.324624955	0.000885375	0.019397713	rhobtb2a	ZDB-GENE-081105-67	rhobtb2a
ENSDARG00000012944	16601.63441	-0.975040685	0.293283073	-3.324571977	0.000885544	0.019397713	myhz2	ZDB-GENE-020604-1	myhz2
ENSDARG00000015918	425.3102712	-0.356017662	0.107135748	-3.32305202	0.000890383	0.019466691	dlat	ZDB-GENE-030131-2921	dlat
ENSDARG00000063385	99.3029473	-0.678033557	0.20404303	-3.322992988	0.000890572	0.019466691	cenpe	ZDB-GENE-060929-860	cenpe
ENSDARG00000019418	11.69034718	1.027776142	0.309459086	3.321202021	0.000896306	0.019565384	kcnj2a	ZDB-GENE-120319-1	kcnj2a
ENSDARG00000089873	4.935091577	1.955125722	0.588717045	3.320993912	0.000896975	0.019565384	CU467110.1		
ENSDARG00000019693	233.8463125	0.377677338	0.113806496	3.318592102	0.000904725	0.019713678	clcn5a	ZDB-GENE-091113-15	clcn5a
ENSDARG00000093964	113.6790824	0.524330402	0.15803848	3.317738833	0.000907493	0.019753223	si:ch211-250k18.6	ZDB-GENE-070912-245	si:ch211-250k18.6
ENSDARG00000029443	74.64110634	-0.581697316	0.175355384	-3.317248106	0.000909088	0.01976719	zgc:92242	ZDB-GENE-040718-371	zgc:92242
ENSDARG00000007285	57.77791258	-0.539514926	0.162756741	-3.314854571	0.000916908	0.019916321	mrpl57	ZDB-GENE-040426-1745	mrpl57
ENSDARG00000100818	2.301606057	-2.553475196	0.770396905	-3.314493064	0.000918095	0.01992121	si:ch73-97h19.2	ZDB-GENE-120214-33	si:ch73-97h19.2
ENSDARG00000016811	64.64416002	-0.498905575	0.150593464	-3.312929805	0.000923241	0.020011935	ints3		
ENSDARG00000095665	15.14541996	0.946471127	0.285853441	3.311036324	0.000929511	0.020126788	si:ch211-191a16.2	ZDB-GENE-081028-45	si:ch211-191a16.2
ENSDARG00000008765	74.26618281	-0.546750051	0.16518256	-3.309974428	0.000933045	0.02018221	tmed5	ZDB-GENE-040426-1302	tmed5
ENSDARG00000035810	221.6558281	-0.396609733	0.11985904	-3.308968036	0.000936405	0.020217541	rgcc	ZDB-GENE-040704-31	rgcc
ENSDARG00000014320	162.6537829	0.611665718	0.184854647	3.308900964	0.00093663	0.020217541	gucy2c	ZDB-GENE-091118-67	gucy2c
ENSDARG00000074727	64.45834316	-0.402173675	0.121582282	-3.307831281	0.000940214	0.0202738	dnajc10	ZDB-GENE-070327-1	dnajc10
ENSDARG00000101634	5.558654429	1.420302574	0.429468525	3.307116797	0.000942616	0.020304454	si:ch211-209j12.1	ZDB-GENE-120709-44	si:ch211-209j12.1
ENSDARG00000043317	43.74857867	0.553906374	0.167515531	3.306597123	0.000944366	0.020315263	kita	ZDB-GENE-980526-464	kita

ENSDARG00000015887	2870.092485	0.402882681	0.121849867	3.306385896	0.000945078	0.020315263	b2ml	ZDB-GENE-040426-2136	b2ml
ENSDARG00000056483	106.1755633	0.31834319	0.096349346	3.304051373	0.000952984	0.020463966	ssbp4	ZDB-GENE-030131-469	ssbp4
ENSDARG00000030154	124.4315622	0.552838737	0.167336643	3.303751802	0.000954003	0.020464638	pak7	ZDB-GENE-040426-2085	pak7
ENSDARG00000011583	75.94517877	-0.653366978	0.197822794	-3.302789157	0.000957283	0.02051378	cry1b	ZDB-GENE-010426-3	cry1b
ENSDARG00000041359	61.13014717	0.412768171	0.125026654	3.301441402	0.000961894	0.020567475	zgc:161969	ZDB-GENE-030131-2597	zgc:161969
ENSDARG00000089489	19.53608002	-0.73339133	0.222148108	-3.301362041	0.000962166	0.020567475	fam83e	ZDB-GENE-141215-21	fam83e
ENSDARG00000036721	47.17464417	-0.591685541	0.179234175	-3.301187068	0.000962767	0.020567475	tomm40l	ZDB-GENE-040426-2319	tomm40l
ENSDARG00000073735	5.192044918	1.318264946	0.399372876	3.300837454	0.000963967	0.020569648	ft95	ZDB-GENE-070912-105	ft95
ENSDARG00000042859	46.74165926	0.724097818	0.219385055	3.300579519	0.000964854	0.020569648	slc5a6a	ZDB-GENE-041001-177	slc5a6a
ENSDARG00000006514	57.95068299	0.507335496	0.153749316	3.29975775	0.000967683	0.020604887	her6	ZDB-GENE-980526-144	her6
ENSDARG00000086332	548.3264993	0.291179328	0.088249689	3.299494116	0.000968593	0.020604887	bri3	ZDB-GENE-030131-3038	bri3
ENSDARG00000014017	125.3748742	-0.633225499	0.19194221	-3.29904245	0.000970152	0.020604887	rrm1	ZDB-GENE-990415-247	rrm1
ENSDARG00000103479	136.5008007	0.481436116	0.145936321	3.298946512	0.000970484	0.020604887	ptprfa	ZDB-GENE-020107-2	ptprfa
ENSDARG00000106669	78.82181979	0.516301245	0.156539277	3.29822173	0.000972993	0.020629515	CABZ01068358.1		
ENSDARG00000007745	530.6409348	-0.500559758	0.151775085	-3.298036416	0.000973635	0.020629515	uqcrfs1	ZDB-GENE-040426-2060	uqcrfs1
ENSDARG00000017180	298.0362864	-0.35258416	0.106923883	-3.297524843	0.00097541	0.020646022	npc1	ZDB-GENE-030131-3161	npc1
ENSDARG00000103154	61.65127734	0.703428821	0.213447443	3.295559839	0.000982258	0.020769741	si:ch73-144l3.1	ZDB-GENE-131119-96	si:ch73-144l3.1
ENSDARG00000074002	6.19764259	-1.223236496	0.371255758	-3.294862014	0.0009847	0.02080016	slc6a11a	ZDB-GENE-030131-3729	slc6a11a
ENSDARG00000004830	155.1315207	0.329188168	0.099961895	3.293136542	0.000990763	0.020901496	flot2a	ZDB-GENE-020430-3	flot2a
ENSDARG00000028957	41.62352521	0.557172833	0.169203096	3.292923402	0.000991515	0.020901496	maff	ZDB-GENE-040426-1280	maff
ENSDARG00000088989	8.538176845	-8.817174314	2.678335769	-3.292034708	0.000994653	0.020946348	si:dkey-241l7.5	ZDB-GENE-041014-237	si:dkey-241l7.5
ENSDARG00000104039	173.1613809	-0.664044349	0.201827889	-3.290151588	0.001001334	0.021065632	errfi1a	ZDB-GENE-030131-6256	errfi1a
ENSDARG00000098497	42.0891706	0.498812798	0.151690042	3.288368769	0.001007698	0.021160188	hrasa	ZDB-GENE-050417-95	hrasa
ENSDARG00000071055	47.62055233	0.538168846	0.163660715	3.288320266	0.001007871	0.021160188	ZNF512B	ZDB-GENE-090313-284	si:dkey-256k13.2
ENSDARG00000096280	12.06373158	1.161392902	0.353401552	3.286326546	0.001015033	0.021288974	ighz	ZDB-GENE-040513-8	ighz
ENSDARG00000044404	9.244542464	-0.939093252	0.285829204	-3.28550491	0.001017998	0.021329573	pars2	ZDB-GENE-030131-4219	pars2
ENSDARG00000016687	546.0483033	-0.372508946	0.113404133	-3.284791609	0.001020578	0.021348685	acadvl	ZDB-GENE-030131-899	acadvl
ENSDARG00000043722	2499.53724	0.809572079	0.246468832	3.284683392	0.00102097	0.021348685	cpa4	ZDB-GENE-040704-61	cpa4
ENSDARG00000104173	277.5999671	-0.443944523	0.135210056	-3.283369128	0.001025743	0.021426853	tufm	ZDB-GENE-050320-73	tufm
ENSDARG00000035870	81.71295797	-0.428048025	0.130388041	-3.282877953	0.001027531	0.021442604	laptm4b	ZDB-GENE-030616-616	laptm4b
ENSDARG00000002791	1551.822241	-0.371510618	0.113181604	-3.282429344	0.001029168	0.021455145	atp1a1a.1	ZDB-GENE-001212-1	atp1a1a.1
ENSDARG00000057262	130.4202346	-0.56212464	0.17127646	-3.281972545	0.001030836	0.021468334	si:dkey-91i10.3	ZDB-GENE-081105-124	si:dkey-91i10.3
ENSDARG00000025383	6.021553017	-1.272809213	0.387888552	-3.281378651	0.00103301	0.021491994	arl2bp	ZDB-GENE-040426-1604	arl2bp
ENSDARG00000051861	469.5602254	-0.526607366	0.160623002	-3.278530212	0.001043492	0.021687107	pkp3a	ZDB-GENE-060512-114	pkp3a
ENSDARG00000071223	46.20858825	-1.723221435	0.525650783	-3.278262851	0.001044481	0.021687107	zgc:158445	ZDB-GENE-061215-78	zgc:158445
ENSDARG00000054272	1285.959433	0.473517985	0.144481559	3.277359325	0.001047829	0.021732596	caprin1b	ZDB-GENE-040426-2020	caprin1b
ENSDARG00000004372	84.43090568	0.385063169	0.117500974	3.277106179	0.001048769	0.021732596	fmln3	ZDB-GENE-030131-1571	fmln3
ENSDARG00000008884	220.9531952	-0.552123957	0.168513068	-3.27644594	0.001051224	0.021759256	hp1t1	ZDB-GENE-040426-1918	hp1t1
ENSDARG00000030756	130.7230981	-0.812237677	0.247920981	-3.276195798	0.001052156	0.021759256	dnmt1	ZDB-GENE-990714-15	dnmt1
ENSDARG00000107086	2.947673612	1.895147787	0.578923082	3.273574409	0.001061964	0.021940203	PIEZO2 (1 of many)		
ENSDARG00000067829	42.23296633	-0.705895003	0.215731223	-3.272104022	0.001067503	0.022032665	ppargc1a	ZDB-GENE-080505-1	ppargc1a
ENSDARG00000052170	446.8780451	0.542961283	0.166011908	3.270616491	0.001073133	0.022100018	uap1	ZDB-GENE-030131-1233	uap1
ENSDARG00000058462	2640.023369	0.764463033	0.233747227	3.270468882	0.001073694	0.022100018	zgc:158846	ZDB-GENE-070209-50	zgc:158846
ENSDARG00000094760	30.81847426	0.677745168	0.207257605	3.270061759	0.00107524	0.022100018	si:dkey-125i10.3	ZDB-GENE-060526-198	si:dkey-125i10.3
ENSDARG00000054363	85.46834733	-0.414393061	0.126724948	-3.270019569	0.0010754	0.022100018	si:zfos-464b6.2	ZDB-GENE-030131-5337	si:zfos-464b6.2
ENSDARG00000026166	218.6320375	0.348170824	0.1064796	3.269835948	0.001076099	0.022100018	emilin1b	ZDB-GENE-060818-36	emilin1b

ENSDARG00000012972	366.6342714	-0.428789545	0.131171658	-3.268919151	0.001079591	0.022149796	cf1l1	ZDB-GENE-040426-2770	cf1l1
ENSDARG00000018105	579.8176705	0.525915803	0.160937112	3.267834227	0.001083738	0.022204688	casq1b	ZDB-GENE-060929-1070	casq1b
ENSDARG00000100498	131.2553359	0.716537746	0.219282594	3.267645331	0.001084462	0.022204688	CABZ01079251.1		
ENSDARG00000099294	137.5112227	0.385786366	0.118072111	3.267379261	0.001085482	0.022204688	si:ch73-199g24.2	ZDB-GENE-081105-181	si:ch73-199g24.2
ENSDARG00000103799	1032.320524	-0.24450182	0.074860233	-3.26611087	0.001090356	0.022282393	kars	ZDB-GENE-021115-8	kars
ENSDARG00000042707	15.9285166	-0.744408819	0.228130931	-3.263077107	0.001102095	0.022487257	cx30.3	ZDB-GENE-040406-1	cx30.3
ENSDARG00000069133	98.38514144	0.560272826	0.171711922	3.262865031	0.00110292	0.022487257	mstnb	ZDB-GENE-990415-165	mstnb
ENSDARG00000016177	71.85271595	-0.59617843	0.182730744	-3.262606049	0.001103929	0.022487257	eif4enif1	ZDB-GENE-050320-113	eif4enif1
ENSDARG00000007526	424.3593511	-0.307751579	0.094343331	-3.262038499	0.001106141	0.022487257	ndufs2	ZDB-GENE-050522-273	ndufs2
ENSDARG00000005423	352.7513495	-0.39530129	0.121187882	-3.261887943	0.001106729	0.022487257	pgam1a	ZDB-GENE-030131-1827	pgam1a
ENSDARG00000096365	38.64379713	0.525597261	0.161134894	3.261846318	0.001106891	0.022487257	si:ch211-195m9.3	ZDB-GENE-120215-210	si:ch211-195m9.3
ENSDARG00000007278	17.00552792	-1.212513241	0.371791754	-3.261269859	0.001109144	0.022510958	ect2	ZDB-GENE-040831-2	ect2
ENSDARG00000077666	14.2713191	-0.800771158	0.245597319	-3.260504482	0.001112142	0.022534148	evi5a	ZDB-GENE-110218-2	evi5a
ENSDARG00000099579	205.2247084	-0.554593614	0.170098671	-3.26042297	0.001112462	0.022534148	aldh18a1	ZDB-GENE-030131-5602	aldh18a1
ENSDARG00000098663	16.1497657	3.288809302	1.008812922	3.260078484	0.001113814	0.022534994	fgf19	ZDB-GENE-030729-32	fgf19
ENSDARG00000102906	37.00342928	-0.604396514	0.185405757	-3.259858389	0.001114679	0.022534994	hibadha	ZDB-GENE-040801-264	hibadha
ENSDARG00000035715	431.238656	0.295965607	0.090873225	3.256906597	0.001126335	0.022748452	marcks1b	ZDB-GENE-040426-2315	marcks1b
ENSDARG00000075132	582.9377265	-0.346165592	0.106325766	-3.255707485	0.001131102	0.022822492	fh	ZDB-GENE-010724-6	fh
ENSDARG00000094896	1.065010862	-2.97125971	0.1212926176	-3.254654962	0.001135302	0.02288495	rhm33b	ZDB-GENE-060526-276	rhm33b
ENSDARG00000098635	226.731626	0.476297681	0.146365221	3.254172531	0.001137232	0.022886057	irf2bp2b	ZDB-GENE-040426-2574	irf2bp2b
ENSDARG00000075192	63.9829865	-0.448162932	0.137723004	-3.254089133	0.001137566	0.022886057	yme1l1a	ZDB-GENE-091113-41	yme1l1a
ENSDARG00000078935	70.17178177	-0.506065635	0.155548626	-3.25342401	0.001140232	0.022894416	ttl4	ZDB-GENE-070912-313	ttl4
ENSDARG00000044753	279.8332439	-0.259850824	0.079874286	-3.25324752	0.001140941	0.022894416	idh3b	ZDB-GENE-040625-174	idh3b
ENSDARG00000106212	45.93512782	-1.029776431	0.316546594	-3.253159094	0.001141296	0.022894416	LO017965.1		
ENSDARG00000079011	269.0853137	-0.673135654	0.206965499	-3.252405146	0.001144328	0.022922606	col17a1b	ZDB-GENE-030131-7145	col17a1b
ENSDARG00000034956	94.40678458	-0.476557768	0.146531276	-3.252259731	0.001144913	0.022922606	myclb	ZDB-GENE-030131-5561	myclb
ENSDARG00000057456	108.6172077	-0.323443115	0.099496992	-3.25078286	0.001150877	0.023011119	ppp3ccb	ZDB-GENE-070112-1102	ppp3ccb
ENSDARG00000104505	4.139449616	-1.637532814	0.503760867	-3.250615366	0.001151555	0.023011119	CABZ01046093.1		
ENSDARG00000089441	238.5031173	-0.555497841	0.170972673	-3.249044599	0.001157933	0.023116274	si:ch211-105c13.3	ZDB-GENE-030131-4483	si:ch211-105c13.3
ENSDARG00000090844	23.68318271	0.622636644	0.191736753	3.247351562	0.001164844	0.023231857	CABZ01054965.1		
ENSDARG00000056691	194.7809307	0.455597227	0.140335335	3.246489741	0.001168377	0.023279904	cpeb4a	ZDB-GENE-040426-1557	cpeb4a
ENSDARG00000099519	47.60872542	-0.498736382	0.153658106	-3.245753799	0.001171401	0.023311803	zgc:66475	ZDB-GENE-040426-1644	zgc:66475
ENSDARG00000043323	71.9522898	-0.455841079	0.140450975	-3.245552972	0.001172228	0.023311803	lnx1	ZDB-GENE-030131-9439	lnx1
ENSDARG00000013841	77.82676265	-0.380443646	0.117251204	-3.244688626	0.001175791	0.023341944	abl2	ZDB-GENE-020809-2	abl2
ENSDARG00000069105	145.6942092	0.426785752	0.131535665	3.244639014	0.001175996	0.023341944	fgfr4	ZDB-GENE-980526-488	fgfr4
ENSDARG00000103472	61.30745318	-0.601859709	0.185514296	-3.24427671	0.001177493	0.023349291	nedd8l	ZDB-GENE-040718-295	nedd8l
ENSDARG00000091298	109.5907019	0.508125134	0.156686658	3.242938107	0.001183039	0.023436841	pmela	ZDB-GENE-030131-9818	pmela
ENSDARG00000100927	31.45313184	0.681193713	0.210107958	3.242112859	0.00118647	0.023474838	nfatc2a	ZDB-GENE-120913-4	nfatc2a
ENSDARG00000056600	71.97290582	-0.511013427	0.157626193	-3.241932168	0.001187223	0.023474838	papss2b	ZDB-GENE-010323-5	papss2b
ENSDARG00000100669	11.21222725	1.010851656	0.311846307	3.241505936	0.001189	0.023487559	si:dkey-61p9.9	ZDB-GENE-041210-240	si:dkey-61p9.9
ENSDARG00000103277	322.7669965	-2.045288439	0.631226755	-3.24018021	0.001194542	0.023574567	cyp24a1	ZDB-GENE-060825-1	cyp24a1
ENSDARG00000093019	12.17590503	1.078208306	0.332800761	3.239801202	0.001196131	0.023583462	si:dkey-83k24.5	ZDB-GENE-081104-440	si:dkey-83k24.5
ENSDARG00000116005	12.85333341	-9.097914906	2.808782414	-3.239095653	0.001199094	0.023619407	zgc:171446	ZDB-GENE-080205-1	zgc:171446
ENSDARG00000010948	70.01009702	-0.717466628	0.221534021	-3.238629554	0.001201055	0.023635568	kif11	ZDB-GENE-020426-1	kif11
ENSDARG00000007098	866.3581123	0.254377334	0.078561902	3.237922317	0.001204036	0.023671757	itm2ba	ZDB-GENE-030131-2352	itm2ba
ENSDARG00000075517	16.24103125	-1.064298814	0.328850807	-3.236418434	0.001210398	0.023774284	si:ch211-120k19.1	ZDB-GENE-100922-282	si:ch211-120k19.1

ENSDARG00000041411	7.670446956	-1.077890865	0.333227252	-3.234702017	0.001217697	0.023895006	rad51	ZDB-GENE-040426-2286	rad51
ENSDARG00000004196	271.7329044	0.487094842	0.15062624	3.233798055	0.001221558	0.023948084	tnfsf10l	ZDB-GENE-010801-1	tnfsf10l
ENSDARG00000069527	133.6214112	-0.323154708	0.100010471	-3.23120874	0.001232679	0.024143261	ube2g1b	ZDB-GENE-040426-2939	ube2g1b
ENSDARG00000025549	105.0496044	-0.483176342	0.149673927	-3.228193111	0.001245748	0.02436107	ndufaf1	ZDB-GENE-050306-9	ndufaf1
ENSDARG00000043608	121.8086028	-0.488189037	0.15123104	-3.228100772	0.001246151	0.02436107	eif4ebp1	ZDB-GENE-030131-2332	eif4ebp1
ENSDARG00000101320	18.1248867	1.171001988	0.362833589	3.227380332	0.001249293	0.024381522	si:dkey-50i6.5	ZDB-GENE-081031-53	si:dkey-50i6.5
ENSDARG00000061580	17.78476483	0.7555623	0.234114363	3.22732143	0.00124955	0.024381522	kctd7	ZDB-GENE-060804-2	kctd7
ENSDARG00000010331	3.996846887	-1.443400455	0.447609479	-3.224686972	0.001261105	0.024583832	radx	ZDB-GENE-081104-212	radx
ENSDARG00000105258	6.507211748	-0.983553459	0.305088789	-3.223826945	0.001264898	0.024634605	cep72	ZDB-GENE-101115-1	cep72
ENSDARG00000020455	61.03755574	-0.505937791	0.157008656	-3.222356045	0.00127141	0.024734509	si:ch211-171h4.3	ZDB-GENE-081031-85	si:ch211-171h4.3
ENSDARG00000053104	43.99722832	-0.503691126	0.156326948	-3.222036466	0.001272829	0.024734509	fam102ba	ZDB-GENE-060616-312	fam102ba
ENSDARG00000022232	104.0084462	-0.681818462	0.211622552	-3.221861069	0.001273609	0.024734509	ppan	ZDB-GENE-030114-4	ppan
ENSDARG00000071150	358.0385122	0.351132621	0.109035999	3.220336632	0.001280401	0.024843145	cica	ZDB-GENE-060503-700	cica
ENSDARG00000037099	84.99516129	-1.385036293	0.430254307	-3.219110815	0.001285888	0.024926256	irs2a	ZDB-GENE-040426-975	irs2a
ENSDARG00000105551	14.45447225	1.001407224	0.311149236	3.218414532	0.001289014	0.024963499	si:cabz01101003.1	ZDB-GENE-160728-148	si:cabz01101003.1
ENSDARG00000036080	1742.558807	0.281057757	0.087341368	3.217922556	0.001291227	0.024983008	cd81a	ZDB-GENE-000831-5	cd81a
ENSDARG00000010717	144.0933027	-0.531831645	0.165322306	-3.216938214	0.001295665	0.025045494	chchd10	ZDB-GENE-040426-1753	chchd10
ENSDARG00000019025	60.32459582	0.584949537	0.18190185	3.215742643	0.001301075	0.025126623	podn	ZDB-GENE-100922-117	podn
ENSDARG00000032575	480.7805325	-0.377273548	0.117350389	-3.21493224	0.001304753	0.025155902	ywhaz	ZDB-GENE-030131-8554	ywhaz
ENSDARG00000053858	317.7296587	-0.479295243	0.149086796	-3.214873851	0.001305019	0.025155902	crip1	ZDB-GENE-041111-1	crip1
ENSDARG00000045562	31.46955026	-0.67489047	0.209971551	-3.214199578	0.001308087	0.025158345	pus1	ZDB-GENE-041212-26	pus1
ENSDARG00000069422	84.65802389	-0.558416289	0.173740982	-3.214073512	0.001308662	0.025158345	nhp2	ZDB-GENE-030131-533	nhp2
ENSDARG00000001014	1402.98921	0.292614591	0.091042444	3.214045882	0.001308788	0.025158345	myh9b	ZDB-GENE-030131-998	myh9b
ENSDARG00000077762	57.60454011	0.517541869	0.161078224	3.212984704	0.001313633	0.025228082	si:rp71-79p20.2	ZDB-GENE-030616-83	si:rp71-79p20.2
ENSDARG00000105375	10.03412204	1.129449327	0.351680874	3.211574503	0.001320097	0.025328757	si:ch211-285c6.5	ZDB-GENE-160113-125	si:ch211-285c6.5
ENSDARG00000099889	185.4128989	0.992186467	0.309060069	3.210335361	0.001325802	0.025414679	dusp27	ZDB-GENE-140513-1	dusp27
ENSDARG00000078911	72.14087731	0.449877605	0.140248276	3.207846407	0.001337329	0.025611951	zgc:163098	ZDB-GENE-070410-141	zgc:163098
ENSDARG00000077082	51.53483641	0.610333644	0.192781777	3.207434427	0.001339246	0.02562498	agtrap	ZDB-GENE-050309-11	agtrap
ENSDARG00000029751	100.1243857	-0.469337348	0.146398582	-3.205887243	0.001346467	0.025739389	wbp1lb	ZDB-GENE-050522-112	wbp1lb
ENSDARG00000071347	59.6412166	-0.478965025	0.149446939	-3.20491693	0.001351015	0.025788883	aftphb	ZDB-GENE-060503-388	aftphb
ENSDARG00000070600	180.7252558	0.314693274	0.098194239	3.204803841	0.001351546	0.025788883	dyrk3	ZDB-GENE-080219-31	dyrk3
ENSDARG00000053554	7.834604333	-1.273854405	0.397627577	-3.203636965	0.001357035	0.025869801	wdr76	ZDB-GENE-030131-4513	wdr76
ENSDARG00000014340	31.27057259	-0.580294579	0.181225292	-3.202061772	0.001364477	0.025987775	rab11al	ZDB-GENE-031118-188	rab11al
ENSDARG00000045482	9.515181896	-1.051807629	0.328735681	-3.199554205	0.001376403	0.026190839	stk38l	ZDB-GENE-040426-798	stk38l
ENSDARG00000012248	120.5864754	0.355281972	0.111082417	3.198363705	0.001382098	0.026275087	rgma	ZDB-GENE-040527-1	rgma
ENSDARG00000061587	75.54032409	0.339744045	0.106268681	3.197028896	0.00138851	0.026372784	ctdSpl2a	ZDB-GENE-061013-647	ctdSpl2a
ENSDARG00000069186	7.125194929	1.002839145	0.313889444	3.194880127	0.001398889	0.026532919	cyp27a1.2	ZDB-GENE-081104-511	cyp27a1.2
ENSDARG00000045262	83.60650846	-0.457277224	0.143133794	-3.194753745	0.001399502	0.026532919	gsnb	ZDB-GENE-030131-8567	gsnb
ENSDARG00000044601	1236.869207	-0.280627526	0.087852509	-3.194302911	0.00140169	0.026550102	rtn4a	ZDB-GENE-030710-1	rtn4a
ENSDARG00000078654	62.02567951	-0.837729295	0.262338353	-3.193316136	0.001406489	0.026616676	tpx2	ZDB-GENE-030131-9652	tpx2
ENSDARG00000020759	290.9686438	0.304614744	0.095409907	3.192695118	0.001409517	0.026649642	elf1	ZDB-GENE-980526-335	elf1
ENSDARG00000053575	1.268407183	-3.420161596	1.071592725	-3.191661828	0.001414568	0.026720772	gpat2	ZDB-GENE-050309-118	gpat2
ENSDARG00000013457	87.2007264	-0.527022962	0.165141481	-3.191342098	0.001416135	0.026726	mtrex	ZDB-GENE-040426-2854	mtrex
ENSDARG00000114424	8.991263018	-1.38847876	0.43516433	-3.190699842	0.001419286	0.026734787	CABZ01046087.1		
ENSDARG00000022000	21.74508125	0.679020967	0.212819913	3.190589433	0.001419829	0.026734787	traf3	ZDB-GENE-040801-257	traf3
ENSDARG00000036065	88.7313785	0.485306007	0.152136796	3.189931825	0.001423064	0.026734787	mgat1b	ZDB-GENE-061103-589	mgat1b

ENSDARG00000077461	9.895344184	-1.19932849	0.375998204	-3.189718664	0.001424114	0.026734787	dhx32a	ZDB-GENE-130613-6	dhx32a
ENSDARG00000062042	19.87380545	0.97063416	0.304310891	3.189613611	0.001424631	0.026734787	mthfsd	ZDB-GENE-030131-3513	mthfsd
ENSDARG00000037491	1.159150839	-4.035838326	1.265359216	-3.189480327	0.001425288	0.026734787	bmp15	ZDB-GENE-030131-6115	bmp15
ENSDARG00000078221	14.80978429	0.678138665	0.212621931	3.189410721	0.001425632	0.026734787	si:ch211-204d2.4	ZDB-GENE-081105-163	si:ch211-204d2.4
ENSDARG00000060319	32.20234789	-0.822436706	0.258017304	-3.18752538	0.001434959	0.026885364	scn4bb	ZDB-GENE-031116-71	scn4bb
ENSDARG00000006848	110.5762657	0.650430946	0.2041419	3.186170725	0.001441695	0.026987175	parp9	ZDB-GENE-081104-179	parp9
ENSDARG00000037378	21.32061657	-0.641132752	0.201247889	-3.185786225	0.001443612	0.026998676	qdpbr1	ZDB-GENE-050522-320	qdpbr1
ENSDARG00000071437	125.3659767	0.525774491	0.165118793	3.184219565	0.001451449	0.027120758	ptprc	ZDB-GENE-050208-585	ptprc
ENSDARG00000040190	399.2388644	0.572595811	0.17986013	3.183561646	0.001454751	0.027157979	qdpra	ZDB-GENE-070705-197	qdpra
ENSDARG00000043406	13.77075732	-1.069677043	0.33617723	-3.181884281	0.001463203	0.027291166	slc8a1b	ZDB-GENE-060110-3	slc8a1b
ENSDARG00000079553	10.09266768	1.218797758	0.383093554	3.181462458	0.001465335	0.027306362	cd83	ZDB-GENE-060503-762	cd83
ENSDARG00000014041	48.03563413	-0.722657004	0.227195403	-3.180773006	0.001468827	0.027345276	smarcad1a	ZDB-GENE-050522-499	smarcad1a
ENSDARG00000033380	6.860424321	-0.980955695	0.308436158	-3.180417308	0.001470631	0.027345276	gyg2	ZDB-GENE-080723-74	gyg2
ENSDARG00000091650	39.84860268	0.938257857	0.295024653	3.180269338	0.001471382	0.027345276	igflr1	ZDB-GENE-121211-3	igflr1
ENSDARG00000061242	186.1663469	-0.552659446	0.173845624	-3.179024195	0.001477718	0.027438408	tuft1a	ZDB-GENE-061103-184	tuft1a
ENSDARG00000062929	107.4252572	-0.39733122	0.125007565	-3.178457393	0.00148061	0.027467498	FAM83G	ZDB-GENE-121214-254	si:dkeyp-9d4.4
ENSDARG00000067805	222.5567342	-0.357234363	0.112410064	-3.177957102	0.001483167	0.027490327	ggcx	ZDB-GENE-030826-27	ggcx
ENSDARG00000111939	435.5936979	0.286105012	0.090037958	3.177604412	0.001484972	0.027499188	atf4a	ZDB-GENE-040426-2340	atf4a
ENSDARG00000029432	1.679065962	-2.73517999	0.86092973	-3.177007244	0.001488033	0.027531271	tph1a	ZDB-GENE-030317-1	tph1a
ENSDARG00000099949	2.708740793	1.653114867	0.520635765	3.175184989	0.00149741	0.027673844	FP236551.1		
ENSDARG00000002353	10.35447874	0.937321649	0.295220228	3.174991282	0.00149841	0.027673844	tagapa	ZDB-GENE-040426-1877	tagapa
ENSDARG00000040298	3006.951036	-0.430018842	0.135468451	-3.174309889	0.001501932	0.027714198	apoa4b.1	ZDB-GENE-030131-1263	apoa4b.1
ENSDARG00000011371	140.4107802	-0.543398723	0.17125528	-3.173033397	0.001508552	0.027811573	zgc:64106	ZDB-GENE-040426-1370	zgc:64106
ENSDARG00000101609	8.728020552	0.986173577	0.310828528	3.172725437	0.001510153	0.027816341	si:dkey-109a10.2	ZDB-GENE-141212-404	si:dkey-109a10.2
ENSDARG00000010267	796.498326	-0.465404879	0.146806634	-3.17018971	0.001523394	0.028035328	dpydb	ZDB-GENE-040426-2459	dpydb
ENSDARG00000068822	256.1897315	-0.290637058	0.09170208	-3.169361677	0.001527742	0.028090382	purba	ZDB-GENE-060531-100	purba
ENSDARG00000045139	1.113282894	-2.954030367	0.932259327	-3.1686788	0.001531335	0.028131497	ca7	ZDB-GENE-040426-1786	ca7
ENSDARG00000043884	27.03751904	-0.682247854	0.215355131	-3.168013004	0.001534847	0.028171028	nup43	ZDB-GENE-040426-2533	nup43
ENSDARG00000021339	29760.06605	0.622922602	0.196672957	3.16730175	0.001538606	0.028215034	cpa5	ZDB-GENE-020514-1	cpa5
ENSDARG00000021787	173.4913099	-0.832866045	0.263013194	-3.16663219	0.001542152	0.028237123	abcb5	ZDB-GENE-030131-6414	abcb5
ENSDARG00000055792	151.6604012	0.479031232	0.15127812	3.166559917	0.001542536	0.028237123	foxo4	ZDB-GENE-150311-1	foxo4
ENSDARG00000028173	100.8387394	-0.586721028	0.185340978	-3.165630366	0.001547473	0.028302503	slc4a2a	ZDB-GENE-051101-2	slc4a2a
ENSDARG00000012513	560.5678191	0.392629846	0.124074981	3.164456217	0.00155373	0.028391888	sdcbp2	ZDB-GENE-030131-3727	sdcbp2
ENSDARG00000104672	253.7173272	0.443051292	0.140080095	3.162842605	0.001562368	0.028524568	CABZ01074397.1		
ENSDARG00000101482	49.99405733	-0.654908182	0.20709047	-3.16242549	0.001564608	0.028540317	hk2	ZDB-GENE-040426-2017	hk2
ENSDARG00000018478	1006.943139	-0.599546734	0.189607617	-3.162039283	0.001566684	0.028553062	agxtb	ZDB-GENE-010302-3	agxtb
ENSDARG00000061800	23.04962276	0.732111976	0.231606076	3.161096023	0.001571767	0.028620519	si:dkey-208k22.6	ZDB-GENE-070912-433	si:dkey-208k22.6
ENSDARG00000090428	36745.48595	0.639950637	0.202483328	3.160510272	0.001574931	0.028643946	ctrb1	ZDB-GENE-030131-1171	ctrb1
ENSDARG00000060395	32.66701246	0.615518535	0.194763011	3.160346171	0.001575818	0.028643946	si:dkey-57k2.7	ZDB-GENE-070912-559	si:dkey-57k2.7
ENSDARG00000013749	145.5108635	0.763139642	0.24190393	3.154721969	0.001606511	0.029166722	slc25a55b	ZDB-GENE-040801-184	slc25a55b
ENSDARG00000009594	404.0589549	0.416840306	0.132138891	3.154561862	0.001607393	0.029166722	nr1d2b	ZDB-GENE-990415-244	nr1d2b
ENSDARG00000018145	322.3943321	-0.700475339	0.222105433	-3.15379651	0.001611614	0.029217733	mid1ip1l	ZDB-GENE-030131-1697	mid1ip1l
ENSDARG00000094753	11.05679459	-1.075578241	0.341126566	-3.153018111	0.001615918	0.029270148	si:dkey-71d15.2	ZDB-GENE-050309-272	si:dkey-71d15.2
ENSDARG00000026871	50.50735117	-0.59381779	0.188385087	-3.152148604	0.001620738	0.029331813	uchl1	ZDB-GENE-030131-3844	uchl1
ENSDARG00000020136	14.93633033	-0.78382541	0.24900629	-3.147813695	0.001644965	0.029744297	ptges	ZDB-GENE-050407-2	ptges
ENSDARG00000027978	66.83640997	0.403643405	0.128266366	3.146915414	0.001650027	0.029809814	yy1b	ZDB-GENE-040426-2127	yy1b

ENSDARG00000110496	22.59244054	0.728365845	0.231491167	3.146408806	0.001652888	0.029835492	zgc:162989	ZDB-GENE-070410-123	zgc:162989
ENSDARG00000093957	13.40271049	1.047182123	0.332910917	3.14553254	0.001657848	0.029895129	si:dkey-251i10.2	ZDB-GENE-050506-102	si:dkey-251i10.2
ENSDARG00000033501	8.08042004	-1.030134432	0.327513849	-3.145315645	0.001659077	0.029895129	zgc:64189	ZDB-GENE-040426-1397	zgc:64189
ENSDARG00000033182	83.66549514	-0.540072468	0.171845912	-3.142771694	0.001673563	0.030129953	arl4ab	ZDB-GENE-030219-167	arl4ab
ENSDARG00000029995	8993.102577	-0.48490998	0.154324291	-3.142149405	0.001677124	0.030167856	tnni2b.2	ZDB-GENE-040801-9	tnni2b.2
ENSDARG00000018106	39.49473435	-0.529169274	0.168433542	-3.141709599	0.001679645	0.030187001	EIF2B3	ZDB-GENE-040426-1039	EIF2B3
ENSDARG00000105034	6.62278708	-1.356109087	0.431774614	-3.140780034	0.001684985	0.03025673	zdhhc18b	ZDB-GENE-030131-6315	zdhhc18b
ENSDARG00000024815	103.93235	0.869347448	0.276893795	3.139642209	0.001691543	0.030348184	ogfrl2	ZDB-GENE-030616-523	ogfrl2
ENSDARG00000067848	533.7652226	-0.435084214	0.13866162	-3.137740746	0.001702554	0.03051931	nmrk2	ZDB-GENE-040912-44	nmrk2
ENSDARG00000055566	19.00351125	-0.910140691	0.290143824	-3.136860463	0.001707674	0.030569626	mastl	ZDB-GENE-040801-128	mastl
ENSDARG00000098206	17.41542252	-0.889414339	0.283546362	-3.136751018	0.001708311	0.030569626	ptrh1	ZDB-GENE-050306-33	ptrh1
ENSDARG00000034852	65.4810669	-0.737833853	0.235284865	-3.135917199	0.001713176	0.030605716	nt5c2l1	ZDB-GENE-031006-8	nt5c2l1
ENSDARG00000091754	14.41693791	-0.938559369	0.299295154	-3.135898984	0.001713282	0.030605716	CT573476.1		
ENSDARG00000026611	59.49659818	0.603851597	0.192661283	3.134265415	0.001722849	0.030750118	socs3b	ZDB-GENE-040426-2528	socs3b
ENSDARG00000102068	33.40189508	-0.759292839	0.242283721	-3.133899524	0.001724999	0.030751618	shcbp1	ZDB-GENE-030131-5865	shcbp1
ENSDARG00000019231	1837.395954	0.337398755	0.107666272	3.133746044	0.001725902	0.030751618	sptan1	ZDB-GENE-051113-60	sptan1
ENSDARG00000076313	399.6145748	0.732758391	0.233848875	3.133469815	0.001727527	0.030754134	si:ch211-240l19.7	ZDB-GENE-041210-329	si:ch211-240l19.7
ENSDARG00000103642	2103.626207	1.280386421	0.408688297	3.132916774	0.001730785	0.03078569	pglyrp6	ZDB-GENE-071227-2	pglyrp6
ENSDARG00000037640	16.22149806	-0.992776999	0.316989874	-3.131888685	0.001736857	0.030867199	aurkb	ZDB-GENE-020419-40	aurkb
ENSDARG00000042688	4.429223209	-1.874406668	0.598710782	-3.130738119	0.001743676	0.030961824	bora	ZDB-GENE-041114-165	bora
ENSDARG00000063155	62.35412068	0.408048807	0.130365361	3.130040088	0.001747824	0.030994086	dcaf12	ZDB-GENE-061013-363	dcaf12
ENSDARG00000087805	53.9261726	0.594308358	0.189880451	3.12990808	0.00174861	0.030994086	FP236735.1		
ENSDARG00000097017	103.1399148	0.333548434	0.106582395	3.129489011	0.001751106	0.030994086	mical3a	ZDB-GENE-050126-2	mical3a
ENSDARG00000098754	21.41123876	0.775180043	0.247706697	3.129427065	0.001751475	0.030994086	si:ch211-156p11.1	ZDB-GENE-070912-120	si:ch211-156p11.1
ENSDARG00000042213	6.538810301	-1.526431078	0.487862978	-3.128811054	0.001755151	0.031032633	si:ch211-233h19.2	ZDB-GENE-061009-14	si:ch211-233h19.2
ENSDARG00000070109	55.62611439	-0.611401852	0.195531898	-3.126865012	0.00176681	0.031212142	ncapg	ZDB-GENE-041111-282	ncapg
ENSDARG00000007693	252.6128494	-0.526446546	0.168402865	-3.126113944	0.001771329	0.031248426	nfkbiab	ZDB-GENE-030131-1819	nfkbiab
ENSDARG00000019963	62.95647025	-0.660908191	0.211426521	-3.125947435	0.001772332	0.031248426	sfxn1	ZDB-GENE-040801-45	sfxn1
ENSDARG00000059483	122.0859015	0.424209966	0.13571365	3.125772285	0.001773388	0.031248426	tead1b	ZDB-GENE-091013-5	tead1b
ENSDARG00000109658	1.995977698	-1.754018443	0.561333161	-3.124736904	0.001779642	0.031331973	CR792453.2		
ENSDARG00000044811	93.10199102	0.355181942	0.113701738	3.123803994	0.001785293	0.031404796	cdk9	ZDB-GENE-030131-321	cdk9
ENSDARG00000109628	4.437594282	1.595746798	0.510937246	3.123175716	0.001789109	0.031435119	CR944667.2		
ENSDARG00000087457	16.3552979	0.7523573	0.240906915	3.123020771	0.001790051	0.031435119	ecscr	ZDB-GENE-050411-37	ecscr
ENSDARG00000061221	2.250625296	-2.499080746	0.800294743	-3.122700441	0.001792	0.031442702	si:ch211-157j23.2	ZDB-GENE-030131-5686	si:ch211-157j23.2
ENSDARG00000005980	141.5143093	0.495866997	0.158844324	3.121716816	0.001797998	0.031521247	sfswap	ZDB-GENE-040426-931	sfswap
ENSDARG00000044485	3.821111697	-2.172253072	0.696011046	-3.121003732	0.001802357	0.031570965	sall4	ZDB-GENE-060328-2	sall4
ENSDARG00000060235	93.25073582	0.588592144	0.188611993	3.12065067	0.00180452	0.031582141	mst1ra	ZDB-GENE-071218-2	mst1ra
ENSDARG00000095918	19.30520773	0.780284606	0.250129288	3.119525158	0.001811428	0.031676295	si:ch211-274k16.9	ZDB-GENE-110408-30	si:ch211-274k16.9
ENSDARG00000069471	127.7924473	0.540743037	0.173423408	3.118051031	0.001820513	0.031808319	mhc1zca	ZDB-GENE-070424-4	mhc1zca
ENSDARG00000103856	92.91729594	-0.431136183	0.138390886	-3.115350982	0.001837262	0.032073912	ptcd3	ZDB-GENE-030131-6849	ptcd3
ENSDARG00000090946	54.02791692	0.527819862	0.169456863	3.114774175	0.001840858	0.03208953	si:zfos-364h11.2	ZDB-GENE-120703-46	si:zfos-364h11.2
ENSDARG00000078825	10.28174555	-0.977298888	0.31376874	-3.11471081	0.001841253	0.03208953	bub1ba	ZDB-GENE-041014-120	bub1ba
ENSDARG00000062799	49.37782159	-0.472000288	0.151578786	-3.113894107	0.001846357	0.032143885	baiap2a	ZDB-GENE-060421-2756	baiap2a
ENSDARG00000052575	18.91084019	1.031865052	0.331393477	3.11371564	0.001847475	0.032143885	arl13a	ZDB-GENE-040426-1790	arl13a
ENSDARG00000026225	59.3162993	-0.571540775	0.183578147	-3.113337746	0.001849842	0.032151955	nsd2	ZDB-GENE-030131-2581	nsd2
ENSDARG00000011785	20.92896845	1.90355173	0.611455892	3.113146435	0.001851042	0.032151955	tbx6	ZDB-GENE-020416-5	tbx6

ENSDARG00000113834	1.725502027	-2.506281816	0.805541389	-3.111301108	0.001862649	0.032326477	BX537305.1		
ENSDARG00000056767	58.53739491	-0.474039136	0.152381213	-3.110876507	0.001865329	0.032345903	itgb3a	ZDB-GENE-071207-1	itgb3a
ENSDARG00000061585	234.3299964	0.675600757	0.217247676	3.109818103	0.001872026	0.032434883	cyp4v7	ZDB-GENE-061103-88	cyp4v7
ENSDARG00000102171	117.5403531	0.364500778	0.117230611	3.109262801	0.001875548	0.032468762	fnip1	ZDB-GENE-030131-3586	fnip1
ENSDARG00000070669	29.73997299	0.676336294	0.217591375	3.108286314	0.001881757	0.03254739	cxcr3.3	ZDB-GENE-100922-34	cxcr3.3
ENSDARG00000056929	372.8878709	0.297856939	0.095833876	3.108054807	0.001883231	0.03254739	kdm6bb	ZDB-GENE-040724-166	kdm6bb
ENSDARG00000069433	66.57972954	0.411248882	0.132382439	3.106521421	0.001893026	0.032689403	tnk1	ZDB-GENE-030131-7427	tnk1
ENSDARG00000061757	174.3073638	0.296220011	0.095369631	3.106020322	0.001896237	0.032717585	rabgap1l	ZDB-GENE-050208-389	rabgap1l
ENSDARG00000040610	39.04576636	0.52725378	0.169787389	3.10537658	0.001900369	0.032761604	si:ch73-352p4.8	ZDB-GENE-140106-36	si:ch73-352p4.8
ENSDARG00000068840	1.965008413	-5.675370304	1.828157419	-3.104421012	0.001906518	0.032840292	zgc:66024	ZDB-GENE-040426-1511	zgc:66024
ENSDARG00000025043	4.589823382	-1.320176909	0.425326871	-3.103911364	0.001909805	0.03286959	trip13	ZDB-GENE-040426-1488	trip13
ENSDARG00000031044	28.91753756	-1.15906515	0.37349845	-3.10326629	0.001913973	0.032913989	lipg	ZDB-GENE-040426-699	lipg
ENSDARG00000022509	65.20961358	0.477472988	0.153908193	3.102323385	0.001920081	0.032991637	cox4i2	ZDB-GENE-040426-1775	cox4i2
ENSDARG00000039162	167.4037987	-0.320422009	0.103330256	-3.100950515	0.001929005	0.03311752	rhebl1	ZDB-GENE-000510-1	rhebl1
ENSDARG00000101892	30.955085	-0.602320985	0.194314952	-3.099715063	0.001937069	0.033228429	ino80e	ZDB-GENE-040426-1818	ino80e
ENSDARG00000056725	305.5644085	0.496040798	0.16007816	3.098741244	0.001943447	0.033305445	hmgb3a	ZDB-GENE-050428-1	hmgb3a
ENSDARG00000077231	48.76436083	0.717492605	0.231558352	3.098539089	0.001944773	0.033305445	vwf	ZDB-GENE-070103-1	vwf
ENSDARG00000016343	91.88575339	0.429972408	0.138789514	3.098017976	0.001948196	0.033336515	zgc:92518	ZDB-GENE-040718-53	zgc:92518
ENSDARG00000059234	55.5662375	-0.4936827	0.159415649	-3.096827084	0.001956039	0.033443109	mrps27	ZDB-GENE-040808-39	mrps27
ENSDARG00000100055	20.55702217	0.743743062	0.240200682	3.096340338	0.001959253	0.033470445	tox2	ZDB-GENE-040426-2095	tox2
ENSDARG00000056795	72.3316185	-0.558221232	0.180390411	-3.094517209	0.001971335	0.033649097	serpine1	ZDB-GENE-070912-60	serpine1
ENSDARG00000011932	110.8207858	0.308565727	0.099739198	3.093725771	0.001976601	0.033711214	prkcbp1l	ZDB-GENE-030131-2199	prkcbp1l
ENSDARG00000043175	736.2395396	0.75760638	0.245016214	3.092066303	0.001987684	0.033867753	CELA1 (1 of many)	ZDB-GENE-050522-187	zgc:112368
ENSDARG00000104205	121.2924659	0.592154197	0.19152021	3.091862721	0.001989048	0.033867753	cfhl3	ZDB-GENE-050208-423	cfhl3
ENSDARG00000104581	23.04766547	-0.803103398	0.259802235	-3.091210503	0.001993423	0.033899271	tom1	ZDB-GENE-060721-1	tom1
ENSDARG00000027249	1532.794341	0.571534343	0.184896806	3.091099051	0.001994171	0.033899271	btg1	ZDB-GENE-010726-1	btg1
ENSDARG00000036787	30.65706605	0.91114448	0.294796291	3.090759647	0.001996452	0.033910223	tap2a	ZDB-GENE-030616-245	tap2a
ENSDARG00000025420	26.90343349	0.635185554	0.205632638	3.088933545	0.002008764	0.034066785	fzd5	ZDB-GENE-990415-218	fzd5
ENSDARG00000100716	3.831954787	-1.652876076	0.535129956	-3.088737715	0.002010088	0.034066785	si:dkey-285b23.4	ZDB-GENE-131127-34	si:dkey-285b23.4
ENSDARG00000025608	20.24264526	0.66620279	0.215693014	3.088661885	0.002010601	0.034066785	casp6l1	ZDB-GENE-041010-48	casp6l1
ENSDARG00000057830	6.377902412	-1.473024723	0.477040863	-3.087837617	0.002016186	0.034133503	dnmt3bb.2	ZDB-GENE-990712-11	dnmt3bb.2
ENSDARG00000078448	50.71240147	0.698732566	0.226340693	3.087083266	0.00202131	0.03419231	gpr137ba	ZDB-GENE-100721-1	gpr137ba
ENSDARG00000031809	40.4966195	-0.506661056	0.164187069	-3.085876742	0.002029529	0.03430335	rbm24b	ZDB-GENE-060312-43	rbm24b
ENSDARG00000028784	13.42114618	-1.058506767	0.343133269	-3.084826979	0.002036706	0.034396594	si:dkey-24p1.6	ZDB-GENE-060503-67	si:dkey-24p1.6
ENSDARG00000091678	36.19853215	-0.563846138	0.182966347	-3.081693157	0.002058269	0.034732449	ints12	ZDB-GENE-040625-178	ints12
ENSDARG00000068387	240.2880273	0.738610382	0.239712107	3.081239371	0.002061409	0.034757126	slc6a18	ZDB-GENE-080219-9	slc6a18
ENSDARG00000092651	11.73108897	-1.142037763	0.371027123	-3.078043874	0.002083642	0.035103445	si:dkey-57a22.11	ZDB-GENE-081104-423	si:dkey-57a22.11
ENSDARG00000057737	70.70295445	0.443660423	0.144171532	3.077309491	0.002088783	0.035161465	rxraa	ZDB-GENE-070314-2	rxraa
ENSDARG00000068749	64.13939871	0.635714256	0.206612109	3.076848985	0.002092013	0.035187244	si:ch211-250k18.5	ZDB-GENE-070912-244	si:ch211-250k18.5
ENSDARG00000092445	3.747132153	-1.511644341	0.491526182	-3.075409604	0.002102136	0.035328849	zgc:153352	ZDB-GENE-060929-1142	zgc:153352
ENSDARG00000012060	22.23008281	0.692965262	0.225451025	3.073684233	0.002114331	0.035504996	thbs3b	ZDB-GENE-060503-84	thbs3b
ENSDARG00000035676	357.5988401	-0.274767749	0.089406488	-3.073241716	0.002117469	0.035525349	ptp4a2b	ZDB-GENE-041114-111	ptp4a2b
ENSDARG00000094879	8.908673184	-0.9252478	0.301086482	-3.073030023	0.002118972	0.035525349	si:dkey-277m11.2	ZDB-GENE-060526-285	si:dkey-277m11.2
ENSDARG00000073961	3.342613513	-1.819051137	0.59203967	-3.072515624	0.002122627	0.035557867	si:ch211-160j14.2	ZDB-GENE-091118-113	si:ch211-160j14.2
ENSDARG00000035669	10.29713344	-1.315366181	0.428191816	-3.071908736	0.002126947	0.035601458	sox3	ZDB-GENE-980526-333	sox3
ENSDARG00000030176	67.71886735	0.535094693	0.174222346	3.071332142	0.002131059	0.035608224	zgc:92429	ZDB-GENE-040801-194	zgc:92429

ENSDARG00000098024	967.5811268	-0.437891573	0.142579172	-3.071216983	0.002131882	0.035608224	si:dkey-262k9.2	ZDB-GENE-131121-282	si:dkey-262k9.2
ENSDARG00000098414	19.10683734	-0.855805371	0.278661446	-3.071129444	0.002132507	0.035608224	ninl	ZDB-GENE-130530-768	ninl
ENSDARG00000008395	34.44150731	-0.539472432	0.175739175	-3.069733502	0.002142499	0.035691776	snupn	ZDB-GENE-030131-3464	snupn
ENSDARG00000069917	10.75209005	-1.10243475	0.35913518	-3.069693007	0.002142789	0.035691776	ska3	ZDB-GENE-030131-2997	ska3
ENSDARG00000030125	19.57491713	0.820681433	0.267349816	3.06969141	0.0021428	0.035691776	sox7	ZDB-GENE-040109-4	sox7
ENSDARG00000004105	91.02328325	0.359769998	0.117212624	3.069379279	0.002145041	0.035691776	tie1	ZDB-GENE-990415-55	tie1
ENSDARG00000007823	69.5699399	0.759951802	0.247603514	3.069228661	0.002146123	0.035691776	atf3	ZDB-GENE-040426-728	atf3
ENSDARG000000101900	174.2101223	-0.303118351	0.098864492	-3.06599816	0.002169447	0.036027142	xrn2	ZDB-GENE-040426-2874	xrn2
ENSDARG00000005104	140.5162141	-0.346041297	0.112865773	-3.065954251	0.002169765	0.036027142	limk2	ZDB-GENE-040718-398	limk2
ENSDARG00000011581	406.6303085	0.713779654	0.23285	3.065405421	0.002173751	0.036064429	si:dkey-23k10.5	ZDB-GENE-030131-4787	si:dkey-23k10.5
ENSDARG000000031763	45.2204771	0.470894565	0.153632551	3.065070281	0.002176189	0.036075983	smad6b	ZDB-GENE-050419-198	smad6b
ENSDARG00000099411	23.29858028	0.712707431	0.232546149	3.064799969	0.002178156	0.036079739	zgc:158343	ZDB-GENE-061201-9	zgc:158343
ENSDARG00000090192	8.942692718	0.967578931	0.315754921	3.064335236	0.002181543	0.036106977	si:dkey-16p6.1	ZDB-GENE-081103-43	si:dkey-16p6.1
ENSDARG00000067796	157.598912	-0.331773138	0.108293459	-3.063648896	0.002186554	0.036161025	clpxb	ZDB-GENE-130404-1	clpxb
ENSDARG00000041959	51.59083009	-0.696444594	0.22754748	-3.060656147	0.002208526	0.03649527	cxcr4b	ZDB-GENE-010614-1	cxcr4b
ENSDARG00000019808	212.9613834	-0.811799058	0.265276186	-3.060203293	0.002211868	0.036521377	evpla	ZDB-GENE-030829-19	evpla
ENSDARG000000112234	210.1378009	-0.51378697	0.167932527	-3.059484538	0.002217182	0.036579978	endouc	ZDB-GENE-060503-141	endouc
ENSDARG00000009544	107.0205051	-0.591530529	0.193366895	-3.059109618	0.002219959	0.036596652	cldnb	ZDB-GENE-010328-2	cldnb
ENSDARG00000044956	1.741988917	-6.033606336	1.972901968	-3.058239301	0.002226417	0.036652005	zgc:114123	ZDB-GENE-050913-53	zgc:114123
ENSDARG00000004937	16.24008236	-1.382468682	0.452055952	-3.058180466	0.002226854	0.036652005	skp2	ZDB-GENE-030219-158	skp2
ENSDARG00000021405	170.1936977	0.364705074	0.119308643	3.056820245	0.002236984	0.036789507	chd3	ZDB-GENE-121031-4	chd3
ENSDARG00000092872	43.1242304	-0.611036036	0.199950543	-3.05593587	0.002243592	0.03686893	upk3b	ZDB-GENE-060526-348	upk3b
ENSDARG00000090903	94.82860882	-0.678016344	0.222178192	-3.051678196	0.002275659	0.037366253	creb3l3b	ZDB-GENE-131023-1	creb3l3b
ENSDARG00000087277	93.04012231	0.437639481	0.143434213	3.051151266	0.002279657	0.037402258	selenoj	ZDB-GENE-030131-4163	selenoj
ENSDARG00000053992	16.50283527	-0.924461691	0.30304183	-3.050607541	0.002283789	0.037440404	sfi1	ZDB-GENE-080206-4	sfi1
ENSDARG00000010316	183.5680513	-0.554061702	0.181724598	-3.04890867	0.002296743	0.037599155	qars	ZDB-GENE-040426-1011	qars
ENSDARG00000045601	7.278157738	-1.550445511	0.508532562	-3.048861817	0.002297101	0.037599155	cax1	ZDB-GENE-030131-3044	cax1
ENSDARG000000095047	3.391519622	-1.600001025	0.524956027	-3.047876284	0.002304648	0.037692907	si:dkey-85k15.4	ZDB-GENE-100922-242	si:dkey-85k15.4
ENSDARG00000060211	1.918706529	-1.930132257	0.633460974	-3.046963169	0.00231166	0.03777778	ankef1b	ZDB-GENE-060810-68	ankef1b
ENSDARG00000003421	91.48461009	-0.402040574	0.132043421	-3.044760353	0.002328658	0.037914612	igf2bp2a	ZDB-GENE-070912-44	igf2bp2a
ENSDARG00000088140	95.03316852	-0.927384001	0.304607397	-3.044522263	0.002330502	0.037914612	hsd17b7	ZDB-GENE-061013-378	hsd17b7
ENSDARG000000105499	8.933914054	-7.716542954	2.534583011	-3.044501964	0.002330659	0.037914612	zgc:175135	ZDB-GENE-080214-1	zgc:175135
ENSDARG00000071592	192.5464429	0.791116784	0.259857053	3.044430681	0.002331211	0.037914612	aqp8a.2	ZDB-GENE-070112-1802	aqp8a.2
ENSDARG00000014994	37.98071927	-0.599839606	0.197046745	-3.044148766	0.002333397	0.037914612	tbp	ZDB-GENE-030616-563	tbp
ENSDARG000000104120	22.20209103	0.573446356	0.188379044	3.044109061	0.002333705	0.037914612	LO018260.1		
ENSDARG00000015449	169.6173559	0.305155631	0.100246632	3.0440487	0.002334174	0.037914612	fut8a	ZDB-GENE-031118-20	fut8a
ENSDARG00000010571	102.2789184	-0.480487493	0.157848199	-3.043984633	0.002334671	0.037914612	ezh2	ZDB-GENE-041111-259	ezh2
ENSDARG00000022378	23.76654425	0.591202009	0.194242409	3.043629922	0.002337425	0.037929615	mtmr1b	ZDB-GENE-050327-48	mtmr1b
ENSDARG000000101306	66.6107616	-0.403870734	0.132733	-3.042730407	0.002344423	0.038013401	mrpl15	ZDB-GENE-040801-168	mrpl15
ENSDARG00000001354	81.42389514	-0.667908712	0.219573132	-3.041850821	0.002351284	0.038094844	slc6a22.2	ZDB-GENE-030616-628	slc6a22.2
ENSDARG00000002377	68.1808661	-0.37321222	0.122741799	-3.040628556	0.002360849	0.038219929	mief2	ZDB-GENE-060929-864	mief2
ENSDARG00000063895	10317.81768	-0.36343895	0.119540213	-3.040307036	0.002363371	0.03823089	mt-nd1	ZDB-GENE-011205-7	mt-nd1
ENSDARG00000074501	25.1891203	0.741205032	0.243851168	3.039579579	0.002369086	0.038292189	tnip2	ZDB-GENE-120913-2	tnip2
ENSDARG00000030278	172.8868987	-0.383946714	0.12632508	-3.039354616	0.002370856	0.038292189	idh3a	ZDB-GENE-040426-1007	idh3a
ENSDARG00000026712	635.1364475	0.208664604	0.068671835	3.038576201	0.00237699	0.038361357	rab5c	ZDB-GENE-031118-30	rab5c
ENSDARG000000101670	45.40729716	-0.643321578	0.21194623	-3.03530559	0.002402921	0.038741403	kntc1	ZDB-GENE-050208-92	kntc1

ENSDARG00000099996	142.2646391	-0.384460922	0.126670109	-3.035135333	0.002404278	0.038741403	rhot1a	ZDB-GENE-030131-5354	rhot1a
ENSDARG00000076017	16.42160149	-0.743035709	0.244908286	-3.033934539	0.002413868	0.038865713	tmem69	ZDB-GENE-081022-98	tmem69
ENSDARG00000011000	125.0668467	-0.388563566	0.128090517	-3.03350768	0.002417286	0.038890522	gtf2a1	ZDB-GENE-030131-2694	gtf2a1
ENSDARG00000035942	2.230329592	2.066824389	0.681661054	3.032041184	0.002429061	0.039049646	hrh3	ZDB-GENE-040724-204	hrh3
ENSDARG00000097902	15.55670486	-0.854182263	0.281834823	-3.03079036	0.002439145	0.039150402	si:ch73-204p21.2	ZDB-GENE-050208-49	si:ch73-204p21.2
ENSDARG00000091967	17.10097636	-0.779749054	0.257307718	-3.030414554	0.002442183	0.039150402	ttf1	ZDB-GENE-030131-6913	ttf1
ENSDARG00000033444	30.61494944	-0.625722271	0.206488748	-3.030297191	0.002443132	0.039150402	map4k6	ZDB-GENE-060512-339	map4k6
ENSDARG00000062868	120.1023162	0.46555605	0.153635498	3.030263544	0.002443404	0.039150402	eea1	ZDB-GENE-041111-270	eea1
ENSDARG00000055395	30.12858386	0.73746306	0.243379581	3.03009421	0.002444775	0.039150402	foxq1b	ZDB-GENE-040426-2090	foxq1b
ENSDARG00000040465	83.43223022	0.574461496	0.189685094	3.028500997	0.002457703	0.039327038	irf2	ZDB-GENE-041212-38	irf2
ENSDARG00000011564	413.2317811	0.36674849	0.121297775	3.02353848	0.002498373	0.039924951	sfpq	ZDB-GENE-040426-2452	sfpq
ENSDARG00000043249	148.5354744	1.103369289	0.364958678	3.023271824	0.002500575	0.039924951	irf1b	ZDB-GENE-041114-13	irf1b
ENSDARG00000051711	13.36204825	0.952104891	0.314928782	3.023238734	0.002500849	0.039924951	CR339041.2		
ENSDARG00000017427	133.8737125	0.533424734	0.176483847	3.022513067	0.002506853	0.039989992	phf20l1	ZDB-GENE-030131-5837	phf20l1
ENSDARG00000076920	60.36746226	-0.421291592	0.139443838	-3.021227743	0.002517519	0.040129257	ZNF335	ZDB-GENE-141211-7	si:ch211-269m15.3
ENSDARG00000100426	8.792352551	-0.814590481	0.269691673	-3.020450987	0.002523986	0.040201405	fam167b	ZDB-GENE-131121-390	fam167b
ENSDARG00000101910	48.44434149	0.543531611	0.180049003	3.018798221	0.002537795	0.040390312	pcdh20	ZDB-GENE-091204-115	pcdh20
ENSDARG00000079618	22.00599595	0.698691493	0.231470693	3.018487934	0.002540395	0.040400667	sik2a	ZDB-GENE-070705-451	sik2a
ENSDARG00000073771	36.13050585	-0.566250801	0.187624331	-3.018003044	0.002544463	0.040434335	tbc1d12b	ZDB-GENE-121214-108	tbc1d12b
ENSDARG00000069744	2.35429704	-3.025906596	1.002871305	-3.017243172	0.002550851	0.040454694	mos	ZDB-GENE-040428-3	mos
ENSDARG00000086616	9.847502332	0.874106072	0.289717394	3.017099045	0.002552064	0.040454694	cabz01093075.1	ZDB-GENE-160113-9	cabz01093075.1
ENSDARG00000095741	8.069407564	-8.735224082	2.89530593	-3.017029734	0.002552648	0.040454694	ddx41	ZDB-GENE-030131-1927	ddx41
ENSDARG00000042684	1398.716342	-0.390253025	0.129354688	-3.016922168	0.002553554	0.040454694	serpinc1	ZDB-GENE-030131-264	serpinc1
ENSDARG00000077473	172.0126919	-0.622204871	0.206274111	-3.01639827	0.00255797	0.040493706	mych	ZDB-GENE-030219-51	mych
ENSDARG00000004754	156.892146	-0.694928471	0.230452143	-3.015500145	0.002565558	0.040582822	hspa4a	ZDB-GENE-040426-2832	hspa4a
ENSDARG00000057855	124.1318551	-0.418773778	0.138907398	-3.014769435	0.002571747	0.040649684	mrps31	ZDB-GENE-030131-3715	mrps31
ENSDARG00000045789	8.327489645	-1.338506704	0.444077693	-3.014127314	0.002577196	0.040704773	srgap1b	ZDB-GENE-041210-103	srgap1b
ENSDARG00000043457	8660.890259	-0.387440328	0.128577288	-3.013287437	0.00258434	0.040726477	gapdh	ZDB-GENE-030115-1	gapdh
ENSDARG00000100558	28.62444618	-0.909027358	0.301688084	-3.01313643	0.002585626	0.040726477	slbp	ZDB-GENE-030131-9686	slbp
ENSDARG00000058533	45.64661315	-0.558222869	0.185265057	-3.013103917	0.002585904	0.040726477	pole	ZDB-GENE-070705-557	pole
ENSDARG00000087094	2.75298835	-2.082543959	0.691176566	-3.013041906	0.002586432	0.040726477	foxa	ZDB-GENE-990415-76	foxa
ENSDARG00000002002	14.54156107	-0.748673133	0.248506635	-3.012688707	0.002589444	0.040742943	lmcd1	ZDB-GENE-040426-1067	lmcd1
ENSDARG00000006299	20.99910351	-0.594842097	0.197498896	-3.011875563	0.00259639	0.040821241	arhgef7a	ZDB-GENE-060322-11	arhgef7a
ENSDARG00000077883	13.3653048	-0.881761576	0.292857132	-3.010893294	0.002604804	0.040922474	fam83d	ZDB-GENE-041111-264	fam83d
ENSDARG00000052332	10.32361949	1.038372577	0.344932068	3.010368339	0.00260931	0.040954809	ftr98	ZDB-GENE-081105-171	ftr98
ENSDARG00000014273	15.23357531	1.077423032	0.357924865	3.010193304	0.002610815	0.040954809	camk2d2	ZDB-GENE-040718-277	camk2d2
ENSDARG00000057323	30.26055968	-0.663419093	0.220472693	-3.009076025	0.002620435	0.04107463	e2f8	ZDB-GENE-041111-260	e2f8
ENSDARG00000079980	182.5305281	0.635774554	0.211367286	3.0079137	0.002630478	0.041200885	si:ch211-202h22.9	ZDB-GENE-030131-1143	si:ch211-202h22.9
ENSDARG00000087375	4.096472349	-1.346823198	0.447855831	-3.007269537	0.002636059	0.041257114	zgc:66473	ZDB-GENE-030131-5708	zgc:66473
ENSDARG00000060315	52.0388827	0.712352131	0.236908408	3.006867242	0.00263955	0.041280572	rabgap1l2	ZDB-GENE-070912-414	rabgap1l2
ENSDARG00000042877	8.138553455	0.958073698	0.318706908	3.006127805	0.002645978	0.041349885	heca	ZDB-GENE-041001-173	heca
ENSDARG00000008127	6.182839675	-1.113623902	0.370550481	-3.005323047	0.002652989	0.041413249	pcdh15b	ZDB-GENE-050214-1	pcdh15b
ENSDARG00000019763	48.95424928	-1.319622828	0.439112587	-3.005203831	0.002654029	0.041413249	acp5a	ZDB-GENE-040426-2864	acp5a
ENSDARG00000071691	436.515435	-0.406130282	0.135173149	-3.004518909	0.002660012	0.041450793	uqcr2b	ZDB-GENE-030131-1269	uqcr2b
ENSDARG00000029482	1.876907469	-2.495479004	0.830588633	-3.004470452	0.002660436	0.041450793	ush2a	ZDB-GENE-060503-794	ush2a
ENSDARG00000053636	28.76319489	0.720429006	0.239819295	3.004049383	0.002664121	0.041477018	cracr2b	ZDB-GENE-061215-136	cracr2b

ENSDARG00000070145	66.02778119	0.602143263	0.200508111	3.003086804	0.002672562	0.041577198	magi1a	ZDB-GENE-081105-13	magi1a
ENSDARG00000042336	5.061368173	-1.093894522	0.364460007	-3.001411681	0.00268731	0.041775269	impdh1a	ZDB-GENE-040704-15	impdh1a
ENSDARG00000028533	804.4685944	0.23345229	0.07781578	3.000063621	0.002699232	0.041929153	macf1a	ZDB-GENE-030131-3606	macf1a
ENSDARG00000075354	31.95644437	-0.788376471	0.262822037	-2.999658928	0.002702821	0.041953447	espl1	ZDB-GENE-030131-5188	espl1
ENSDARG00000021455	100.1836306	0.373998294	0.124697561	2.999243065	0.002706513	0.041957107	strbp	ZDB-GENE-030729-18	strbp
ENSDARG00000079889	80.96011539	0.395955001	0.132021249	2.999176305	0.002707106	0.041957107	phldb2a	ZDB-GENE-091118-9	phldb2a
ENSDARG00000041991	52.21147372	-0.659488592	0.219956227	-2.99827198	0.002715152	0.042050366	rrp9	ZDB-GENE-060427-1	rrp9
ENSDARG000000101938	2.900856585	1.622899773	0.541380876	2.997704285	0.002720215	0.042067369	CABZ01060492.1		
ENSDARG00000078349	193.4461066	0.630518264	0.210334462	2.99769356	0.002720311	0.042067369	zmp:0000000845	ZDB-GENE-130530-848	zmp:0000000845
ENSDARG00000051729	34.93764498	0.561080251	0.187214247	2.996995471	0.002726548	0.042132379	nfatc3b	ZDB-GENE-100922-25	nfatc3b
ENSDARG00000070846	36.00390971	-0.589785949	0.196841969	-2.996240854	0.002733305	0.042205317	dazap1	ZDB-GENE-070212-1	dazap1
ENSDARG00000099577	41.39510055	0.59462514	0.198512915	2.995397749	0.002740872	0.042260203	si:dkey-182g1.10	ZDB-GENE-141216-134	si:dkey-182g1.10
ENSDARG000000101979	284.0368821	0.460878654	0.153862633	2.995390404	0.002740938	0.042260203	eps8l3a	ZDB-GENE-091204-460	eps8l3a
ENSDARG00000037998	348.7839763	0.202646695	0.067659756	2.995084608	0.002743687	0.042271143	flot1b	ZDB-GENE-020430-2	flot1b
ENSDARG00000079274	41462.52624	0.641862002	0.214365101	2.994246733	0.002751234	0.042338614	prss59.1	ZDB-GENE-030131-1173	prss59.1
ENSDARG00000006266	474.465615	0.497007984	0.165998273	2.994055142	0.002752962	0.042338614	stat1a	ZDB-GENE-980526-499	stat1a
ENSDARG00000012274	132.8922333	-0.670748585	0.224037031	-2.993918384	0.002754196	0.042338614	eif4e1c	ZDB-GENE-050417-398	eif4e1c
ENSDARG00000089821	21.52288675	0.6644458	0.221988896	2.993148818	0.002761151	0.042383036	si:dkey-9k7.3	ZDB-GENE-160728-12	si:dkey-9k7.3
ENSDARG00000068856	10.82201838	-0.91256284	0.304884174	-2.993145977	0.002761176	0.042383036	f2rl1.1	ZDB-GENE-061215-140	f2rl1.1
ENSDARG00000098540	89.09199539	0.386032084	0.128996455	2.992579009	0.002766311	0.042430412	zc3h7ba	ZDB-GENE-030131-4512	zc3h7ba
ENSDARG000000103785	209.2652776	-0.690123246	0.230772752	-2.990488435	0.002785317	0.042690336	sult2st2	ZDB-GENE-061117-5	sult2st2
ENSDARG00000030107	291.8482929	-0.473392243	0.158374445	-2.989069623	0.002798284	0.042756558	si:ch211-207i1.2	ZDB-GENE-041014-149	si:ch211-207i1.2
ENSDARG000000104890	6.462597021	1.083629642	0.362540849	2.988986328	0.002799047	0.042756558	si:ch211-76m11.3	ZDB-GENE-041210-276	si:ch211-76m11.3
ENSDARG00000043561	87.45469911	-0.400972054	0.134159928	-2.988761687	0.002801105	0.042756558	psmc1b	ZDB-GENE-040625-69	psmc1b
ENSDARG00000089871	153.7096658	0.385957261	0.129136228	2.988760523	0.002801116	0.042756558	jcada	ZDB-GENE-111221-2	jcada
ENSDARG00000056144	29.44104168	0.669925832	0.224155199	2.988669619	0.002801949	0.042756558	zgc:123244	ZDB-GENE-051113-144	zgc:123244
ENSDARG00000054127	12.27241872	-0.99111796	0.331645876	-2.988482694	0.002803664	0.042756558	slc26a6l	ZDB-GENE-080220-10	slc26a6l
ENSDARG00000021346	390.9313259	-0.340582602	0.113970071	-2.988351234	0.00280487	0.042756558	pdhb	ZDB-GENE-040426-2173	pdhb
ENSDARG00000042033	9.775863727	0.911991364	0.305196293	2.988212453	0.002806144	0.042756558	mettl11b	ZDB-GENE-081104-175	mettl11b
ENSDARG000000103529	10.70092922	-0.801424057	0.268252005	-2.987579002	0.002811966	0.042813785	snx1b	ZDB-GENE-050913-82	snx1b
ENSDARG00000098772	11.07584421	1.073588048	0.359417776	2.987019892	0.002817114	0.042860672	gig2d	ZDB-GENE-130517-1	gig2d
ENSDARG00000045914	126.2050405	-0.418281352	0.140068842	-2.986255527	0.002824165	0.042936432	si:ch211-51e12.7	ZDB-GENE-030131-8279	si:ch211-51e12.7
ENSDARG00000061013	191.1449445	0.265369905	0.088876205	2.98583749	0.002828029	0.042963647	ankfy1	ZDB-GENE-041222-1	ankfy1
ENSDARG00000062319	8.264678449	-1.053077123	0.35279893	-2.98492153	0.002836511	0.043041043	si:dkey-103g5.3	ZDB-GENE-131127-337	si:dkey-103g5.3
ENSDARG00000062385	48.34922271	0.44379933	0.148684519	2.984838854	0.002837278	0.043041043	flcn	ZDB-GENE-060421-3470	flcn
ENSDARG0000005394	81.29595299	0.460166945	0.154204908	2.984126457	0.002843892	0.04310176	dnmt3aa	ZDB-GENE-050314-5	dnmt3aa
ENSDARG00000031138	6.833853044	-0.923149917	0.309408141	-2.983599312	0.002848796	0.04310176	irx3b	ZDB-GENE-030131-525	irx3b
ENSDARG00000006921	339.1314571	0.356772595	0.119588793	2.983328016	0.002851322	0.04310176	lrp5	ZDB-GENE-050518-2	lrp5
ENSDARG000000105806	6.073564351	1.064563586	0.356850555	2.983219642	0.002852332	0.04310176	CABZ01069020.1		
ENSDARG00000074036	17.71700584	0.991017137	0.332199384	2.983199807	0.002852517	0.04310176	ky	ZDB-GENE-090313-64	ky
ENSDARG00000016065	26.87681647	0.493814535	0.16555361	2.982775868	0.002856471	0.04310176	tlr3	ZDB-GENE-040219-7	tlr3
ENSDARG00000021172	1019.110312	0.564857799	0.189390471	2.982503794	0.002859011	0.04310176	cyp2ad2	ZDB-GENE-020812-2	cyp2ad2
ENSDARG00000039007	3661.598659	-0.389323358	0.130538612	-2.982438323	0.002859623	0.04310176	eno3	ZDB-GENE-031006-5	eno3
ENSDARG00000089943	1.416881236	2.610386294	0.875296607	2.982287688	0.00286103	0.04310176	npy2rl	ZDB-GENE-111115-4	npy2rl
ENSDARG000000102912	3.606569513	1.269877089	0.425850047	2.981981798	0.00286389	0.04310176	gpr184	ZDB-GENE-060929-1218	gpr184
ENSDARG00000088234	26.23816423	1.230878295	0.412820114	2.98163353	0.00286715	0.04310176	si:ch211-217k17.12	ZDB-GENE-061207-20	si:ch211-217k17.12

ENSDARG0000004318	37.05693883	-0.587286779	0.196972629	-2.981565427	0.002867788	0.04310176	cbwd	ZDB-GENE-040426-2388	cbwd
ENSDARG00000059035	2149.101813	-0.388188421	0.130198659	-2.981508591	0.00286832	0.04310176	porb	ZDB-GENE-030131-5767	porb
ENSDARG00000088571	14.05537434	0.688135498	0.230841923	2.980981487	0.002873262	0.04314473	soga3a	ZDB-GENE-100921-84	soga3a
ENSDARG00000076501	102.8347036	0.330363055	0.110880049	2.979463451	0.002887537	0.043327688	asxl2	ZDB-GENE-100412-1	asxl2
ENSDARG00000035985	130.2205843	-0.525975979	0.176572403	-2.978811914	0.002893683	0.043388501	fam210aa	ZDB-GENE-030131-5627	fam210aa
ENSDARG00000098932	93.26224299	0.475047519	0.15949596	2.978429789	0.002897294	0.043411227	gigyf1a	ZDB-GENE-050809-79	gigyf1a
ENSDARG00000060695	107.6850591	-0.465657925	0.156373372	-2.977859465	0.00290269	0.043435986	znf346	ZDB-GENE-070209-152	znf346
ENSDARG00000103739	88.55557896	0.433700718	0.145658812	2.97751103	0.002905992	0.043435986	bahcc1a	ZDB-GENE-170301-1	bahcc1a
ENSDARG00000100019	20.88606821	-0.829328039	0.278542824	-2.97738074	0.002907227	0.043435986	arhgap11a	ZDB-GENE-040426-2562	arhgap11a
ENSDARG00000096310	25.53604682	-0.581775053	0.195411325	-2.977181857	0.002909114	0.043435986	wu:rfj64h06	ZDB-GENE-030131-8286	wu:rfj64h06
ENSDARG00000087745	11.56209494	1.132142418	0.380277397	2.977148859	0.002909427	0.043435986	lrrc38b	ZDB-GENE-141216-65	lrrc38b
ENSDARG00000019195	41.50796361	-0.676570379	0.227299366	-2.976560779	0.002915013	0.043488048	vps9d1	ZDB-GENE-050306-57	vps9d1
ENSDARG00000054696	254.4484627	-0.400244549	0.13447606	-2.976325666	0.002917249	0.043490095	psmb4	ZDB-GENE-050417-333	psmb4
ENSDARG00000102378	25.40181048	0.654435064	0.219962134	2.975216922	0.002927814	0.043616224	CABZ01003056.1		
ENSDARG00000060016	153.3714743	0.285098917	0.095836349	2.974851595	0.002931303	0.043636828	nsd1a	ZDB-GENE-080519-3	nsd1a
ENSDARG00000088307	106.3765226	0.40394381	0.13580654	2.974406161	0.002935562	0.04366886	mrtfba	ZDB-GENE-130531-36	mrtfba
ENSDARG00000100904	10.47755689	1.290497433	0.434149249	2.972474179	0.002954101	0.043895086	CABZ01109021.1		
ENSDARG00000031511	219.6727222	-0.354143076	0.119144615	-2.97238005	0.002955007	0.043895086	psmb2	ZDB-GENE-040718-353	psmb2
ENSDARG00000075053	71.77404883	1.00274407	0.337401561	2.971960376	0.002959049	0.043917751	SCCPDH (1 of many)	ZDB-GENE-080212-12	zgc:174379
ENSDARG00000094579	23.95893375	0.610476213	0.205424312	2.971781715	0.002960771	0.043917751	b4galnt2.1	ZDB-GENE-030131-9081	b4galnt2.1
ENSDARG00000099767	8.150781153	-1.184985857	0.399051993	-2.969502415	0.002982825	0.044185506	fhdc2	ZDB-GENE-091118-76	fhdc2
ENSDARG00000097414	40.24083625	-0.916582457	0.30866814	-2.969475425	0.002983087	0.044185506	si:ch211-106e7.2	ZDB-GENE-031116-72	si:ch211-106e7.2
ENSDARG00000086228	16.44224388	0.710151084	0.239302863	2.967582894	0.003001513	0.044426686	si:dkey-120c6.5	ZDB-GENE-131121-595	si:dkey-120c6.5
ENSDARG00000021806	279.7479411	0.317633137	0.107062239	2.966808263	0.003009085	0.044506434	zfp3612	ZDB-GENE-030131-5873	zfp3612
ENSDARG00000005894	162.188521	0.559171114	0.188489352	2.966592587	0.003011197	0.044506434	slc7a9	ZDB-GENE-080116-2	slc7a9
ENSDARG00000100973	52.4225913	0.454621712	0.153290089	2.965760631	0.003019354	0.044579128	arhgap24	ZDB-GENE-091118-20	arhgap24
ENSDARG00000044596	20.39544164	-0.620654335	0.209280885	-2.965652282	0.003020418	0.044579128	pgap2	ZDB-GENE-050320-119	pgap2
ENSDARG00000079257	37.11000961	-0.642103006	0.216692911	-2.963193415	0.003044652	0.044904824	gemin5	ZDB-GENE-031112-9	gemin5
ENSDARG00000078882	33.61167647	-0.471068917	0.15900656	-2.962575371	0.003050771	0.044963071	slc22a31	ZDB-GENE-130530-858	slc22a31
	98.74804521	0.400636634	0.135304303	2.961004372	0.003066376	0.045160939	smad1	ZDB-GENE-991119-8	smad1
ENSDARG00000015566	294.0020173	0.313795977	0.10598714	2.960698587	0.003069422	0.04517369	dnmt3ab	ZDB-GENE-050314-3	dnmt3ab
ENSDARG00000063624	113.5496226	-0.54032285	0.182520774	-2.960336168	0.003073035	0.045194773	gfm1	ZDB-GENE-061013-79	gfm1
ENSDARG00000006308	28.620221	0.506163445	0.171013982	2.959778145	0.003078607	0.045244599	ptpn18	ZDB-GENE-050320-12	ptpn18
ENSDARG00000052045	9.317452296	-0.967749604	0.327041714	-2.959101436	0.003085375	0.045311939	ggt5a	ZDB-GENE-080226-1	ggt5a
ENSDARG00000042993	38351.6822	0.587181644	0.19846407	2.958629462	0.003090104	0.045347048	prss1	ZDB-GENE-010131-7	prss1
ENSDARG00000086550	4.002746764	-1.304599037	0.440977379	-2.958426214	0.003092143	0.045347048	dbf4b	ZDB-GENE-121214-269	dbf4b
ENSDARG00000109946	5.689131776	1.258479639	0.425603564	2.956929277	0.003107194	0.045507177	BX005027.2		
ENSDARG00000052638	153.72596	0.552212449	0.186753626	2.956903488	0.003107454	0.045507177	fam210b	ZDB-GENE-050913-122	fam210b
ENSDARG00000068367	72.67212042	0.36749117	0.12430258	2.956424307	0.003112286	0.045545758	nfkbie	ZDB-GENE-061215-132	nfkbie
ENSDARG00000029058	110.7613382	-0.574199239	0.194259986	-2.955828688	0.003118302	0.045601596	rbbp4	ZDB-GENE-030131-445	rbbp4
ENSDARG00000032197	30.44438066	-0.574750628	0.194500869	-2.955002878	0.003126661	0.045691591	klf12b	ZDB-GENE-071004-22	klf12b
ENSDARG00000045927	19.20236892	-0.73857103	0.250011377	-2.954149682	0.003135319	0.04578582	slc25a44a	ZDB-GENE-041114-38	slc25a44a
ENSDARG00000070824	242.4563942	-0.336717887	0.113992589	-2.953857706	0.003138287	0.045796885	ndufb5	ZDB-GENE-011010-1	ndufb5
ENSDARG00000062420	121.6081627	0.370849272	0.125567296	2.953390601	0.00314304	0.045833971	nfia	ZDB-GENE-050208-501	nfia
ENSDARG00000092532	16.25035199	0.826013859	0.279739597	2.952795624	0.003149104	0.045890105	si:dkey-21e2.8	ZDB-GENE-050208-459	si:dkey-21e2.8
ENSDARG00000034677	101.6277108	-0.741765235	0.25126565	-2.952115559	0.003156048	0.045938955	scel	ZDB-GENE-030616-15	scel

ENSDARG00000074899	169.4538453	0.237209278	0.080354543	2.9520332	0.00315689	0.045938955	taok2a	ZDB-GENE-030131-9416	taok2a
ENSDARG00000077688	408.070716	-0.653533383	0.221434786	-2.95135825	0.003163797	0.046000558	cpo	ZDB-GENE-070619-6	cpo
ENSDARG00000098280	343.7183427	0.411963921	0.139592669	2.951185932	0.003165563	0.046000558	rbm5	ZDB-GENE-030131-3022	rbm5
ENSDARG00000036171	222.8250503	-0.715711006	0.242591057	-2.950277779	0.003174883	0.046097003	rnasel3	ZDB-GENE-050809-5	rnasel3
ENSDARG00000057562	25.61640743	-0.566503367	0.192028138	-2.950106022	0.003176649	0.046097003	polr3c	ZDB-GENE-040426-992	polr3c
ENSDARG00000087393	5.346282055	-1.488568906	0.504770922	-2.948998926	0.003188051	0.046213886	prf11	ZDB-GENE-091118-97	prf11
ENSDARG00000007130	77.72990705	-0.535150424	0.181475144	-2.948891034	0.003189164	0.046213886	mrto4	ZDB-GENE-050417-142	mrto4
ENSDARG00000077523	34.30591044	0.834406583	0.283135085	2.947026447	0.003208458	0.046441401	tdrd7b	ZDB-GENE-150109-14	tdrd7b
ENSDARG00000040841	2.907971645	-1.987960471	0.674596536	-2.946888052	0.003209894	0.046441401	adra2a	ZDB-GENE-021010-1	adra2a
ENSDARG00000043394	29.15709852	-0.562957277	0.191045076	-2.946724877	0.003211588	0.046441401	si:dkey-71h2.2	ZDB-GENE-041014-145	si:dkey-71h2.2
ENSDARG00000053625	406.0298	0.532254961	0.18065604	2.946233962	0.00321669	0.046488274	anxa2b	ZDB-GENE-030131-1089	anxa2b
ENSDARG00000077028	10.91987228	-0.832292563	0.282578162	-2.94535345	0.003225859	0.046582756	si:ch211-81n22.1	ZDB-GENE-131127-633	si:ch211-81n22.1
ENSDARG00000102674	222.7850195	-0.357632719	0.121435098	-2.945052334	0.003229	0.046595645	ckap5	ZDB-GENE-051120-174	ckap5
ENSDARG00000079860	18.75640915	0.623138024	0.211622597	2.944572233	0.003234014	0.046635524	ppp1r16b	ZDB-GENE-131127-294	ppp1r16b
ENSDARG00000011683	10.74108963	-0.8805848	0.299078542	-2.944326248	0.003236586	0.046640153	prtfdc1	ZDB-GENE-980526-324	prtfdc1
ENSDARG00000006074	65.30604773	-0.507367794	0.172349324	-2.943833961	0.003241739	0.046681938	uck2a	ZDB-GENE-030131-7158	uck2a
ENSDARG00000059917	4.588057711	-1.479839583	0.502879584	-2.942731481	0.003253305	0.046815958	ccnj	ZDB-GENE-100721-4	ccnj
ENSDARG00000056909	133.9207339	-0.581661568	0.197704578	-2.942074354	0.003260216	0.046882862	LO018309.1		
ENSDARG00000061451	52.41601234	0.426071249	0.144873857	2.940980926	0.003271747	0.047016045	n4bp2	ZDB-GENE-061103-451	n4bp2
ENSDARG00000102027	19.97629257	0.619737304	0.210755244	2.940554616	0.003276252	0.047048165	si:dkey-172k15.11	ZDB-GENE-161017-10	si:dkey-172k15.11
ENSDARG00000017010	13.5901869	-0.875669205	0.297823629	-2.940227436	0.003279714	0.04706526	scamp2l	ZDB-GENE-030131-6432	scamp2l
ENSDARG00000045692	49.55726688	-0.471037032	0.160230895	-2.939739134	0.003284887	0.047106868	pphln1	ZDB-GENE-030131-1873	pphln1
ENSDARG00000008757	50.01152886	-0.410750726	0.139795631	-2.93822292	0.003300996	0.047305141	entpd6	ZDB-GENE-050417-412	entpd6
ENSDARG00000030630	6.304894453	-1.211757631	0.412529844	-2.937381738	0.003309964	0.047400625	mfsd2aa	ZDB-GENE-041114-166	mfsd2aa
ENSDARG00000073848	83.93357762	0.390130429	0.132833859	2.936980309	0.003314251	0.047400625	arhgef7b	ZDB-GENE-041212-49	arhgef7b
ENSDARG00000044525	46.04915397	-0.506906507	0.172602928	-2.936836089	0.003315793	0.047400625	pparda	ZDB-GENE-990415-212	pparda
ENSDARG00000045530	47.71260091	0.638227044	0.217324925	2.936741127	0.003316809	0.047400625	si:ch211-244b2.4	ZDB-GENE-030131-8699	si:ch211-244b2.4
ENSDARG00000027589	86.88779928	0.376690829	0.128292889	2.936178549	0.00332283	0.047443061	fzd7b	ZDB-GENE-990415-229	fzd7b
ENSDARG00000042563	14.42582216	-0.993293914	0.338333593	-2.935841829	0.003326439	0.047443061	mis18bp1	ZDB-GENE-030616-151	mis18bp1
ENSDARG00000076005	95.72657106	0.31540629	0.107433707	2.935822472	0.003326646	0.047443061	piezo2a.2	ZDB-GENE-131119-76	piezo2a.2
ENSDARG00000079784	54.32874986	0.40546963	0.138195741	2.934024072	0.003345983	0.047686005	si:ch211-235o23.1	ZDB-GENE-070912-222	si:ch211-235o23.1
ENSDARG00000100825	412.673003	0.321971324	0.109745796	2.93379187	0.003348487	0.047688893	calm3a	ZDB-GENE-030131-5590	calm3a
ENSDARG00000073742	28764.19471	0.574834635	0.195998439	2.932853126	0.003358627	0.047739093	prss59.2	ZDB-GENE-110408-10	prss59.2
ENSDARG00000074575	233.1089673	0.545847634	0.186137058	2.932503813	0.003362408	0.047739093	ppp1r9alb	ZDB-GENE-090312-99	ppp1r9alb
ENSDARG00000079271	56.36081424	-0.607493807	0.207162815	-2.932446184	0.003363032	0.047739093	dcxr	ZDB-GENE-030131-7002	dcxr
ENSDARG00000073732	101.5255356	-0.491043604	0.167472738	-2.932080828	0.003366991	0.047739093	myh14	ZDB-GENE-100921-1	myh14
ENSDARG00000087099	13.23478689	1.105401022	0.377013729	2.93199143	0.00336796	0.047739093	si:ch73-106k19.5	ZDB-GENE-030131-1230	si:ch73-106k19.5
ENSDARG00000044718	64.77440398	0.397660757	0.135629821	2.931956661	0.003368337	0.047739093	vav2	ZDB-GENE-091204-420	vav2
ENSDARG00000100222	636.3942926	0.261711344	0.089265126	2.931843112	0.003369569	0.047739093	utrn	ZDB-GENE-070228-6	utrn
ENSDARG00000035559	164.7219599	0.276447225	0.094293869	2.931762446	0.003370445	0.047739093	tp53	ZDB-GENE-990415-270	tp53
ENSDARG00000086576	29.91061072	0.582499124	0.198700015	2.931550476	0.003372746	0.047739093	si:cabz01069012.2	ZDB-GENE-161017-152	si:cabz01069012.2
ENSDARG00000043301	11.20708765	-0.79485757	0.271326186	-2.929527675	0.003394776	0.047993649	gtf3c6	ZDB-GENE-040426-1009	gtf3c6
ENSDARG00000027222	48.85608453	0.487541202	0.16642619	2.929474024	0.003395362	0.047993649	adgrg1	ZDB-GENE-030131-3671	adgrg1
ENSDARG00000038293	76.88284016	-0.62964119	0.214979828	-2.928838464	0.003402312	0.048047696	zgc:103559	ZDB-GENE-041212-22	zgc:103559
ENSDARG00000039486	90.28228666	-0.402410519	0.137402417	-2.928700441	0.003403823	0.048047696	bag3	ZDB-GENE-040801-40	bag3
ENSDARG00000041060	229.1812665	0.622287587	0.212496625	2.928458682	0.003406471	0.048052344	lgals9l3	ZDB-GENE-040718-159	lgals9l3

ENSDARG00000016357	160.0477923	0.421552018	0.143989759	2.927652769	0.003415312	0.048144287	fmo5	ZDB-GENE-030131-6606	fmo5
ENSDARG00000087290	5.532842937	1.322478434	0.451956135	2.926121212	0.003432172	0.048349058	si:ch211-202h22.10	ZDB-GENE-110914-121	si:ch211-202h22.10
ENSDARG00000076176	37.58227362	-0.583122694	0.199350623	-2.925110972	0.003443334	0.048473348	ptcd1	ZDB-GENE-030131-6146	ptcd1
ENSDARG00000035918	152.4952868	-0.39092982	0.133661428	-2.924776613	0.003447036	0.048492515	bzw2	ZDB-GENE-040426-746	bzw2
ENSDARG00000052255	6.324157017	0.990335835	0.338647955	2.924381562	0.003451414	0.048518904	trim35-3	ZDB-GENE-070912-56	trim35-3
ENSDARG00000099747	15.33679261	0.659790171	0.225632159	2.924184983	0.003453594	0.048518904	CABZ01111953.1		
ENSDARG00000007804	73.79137402	0.432246271	0.147832935	2.923883447	0.003456942	0.048522291	gas6	ZDB-GENE-030131-7773	gas6
ENSDARG00000098439	131.4830008	-0.337593313	0.115467901	-2.923698358	0.003458998	0.048522291	nr1h3	ZDB-GENE-050410-7	nr1h3
ENSDARG00000063634	91.56019495	0.596017335	0.203869014	2.923530764	0.00346086	0.048522291	hpse	ZDB-GENE-041111-200	hpse
ENSDARG00000003615	359.5433546	0.674892342	0.230879649	2.923134829	0.003465264	0.048551187	slc26a3.2	ZDB-GENE-041210-179	slc26a3.2
ENSDARG00000074764	6.484122883	-8.423518838	2.882309465	-2.922489392	0.003472454	0.048619055	zgc:171426	ZDB-GENE-080212-2	zgc:171426
ENSDARG00000040907	36.12543091	-0.795248665	0.272133484	-2.922274219	0.003474855	0.048619808	gcgb	ZDB-GENE-040712-2	gcgb
ENSDARG00000054749	23.785586	0.689281347	0.235981429	2.920913521	0.003490067	0.048799707	lmo4b	ZDB-GENE-030131-3570	lmo4b
ENSDARG00000004262	74.21316212	-0.678999882	0.232496499	-2.920473573	0.003494998	0.048807735	cyp46a1.2	ZDB-GENE-040426-1184	cyp46a1.2
ENSDARG00000025012	4.586956747	-1.461734108	0.500518097	-2.920442068	0.003495352	0.048807735	tpi1a	ZDB-GENE-020416-3	tpi1a
ENSDARG00000006900	164.5513504	-0.545565835	0.186940268	-2.918396555	0.003518366	0.049059223	impdh2	ZDB-GENE-030114-5	impdh2
ENSDARG00000042548	44.34761996	-0.446281249	0.152922329	-2.918352426	0.003518864	0.049059223	tpd52l1	ZDB-GENE-050522-121	tpd52l1
ENSDARG00000075123	54.78306768	0.462308858	0.15842587	2.918139941	0.003521263	0.049059223	trafd1	ZDB-GENE-070410-43	trafd1
ENSDARG00000034270	941.4814676	-0.293631576	0.10063576	-2.917765759	0.003525491	0.049059223	ogdha	ZDB-GENE-030131-2143	ogdha
ENSDARG00000070794	2.18596926	-1.775474061	0.608547856	-2.91755865	0.003527833	0.049059223	greb1	ZDB-GENE-070112-332	greb1
ENSDARG00000016774	268.099801	0.304285086	0.104299407	2.917419145	0.003529411	0.049059223	plekho2	ZDB-GENE-120406-4	plekho2
ENSDARG00000056744	19728.72787	0.683174031	0.234174392	2.91737293	0.003529934	0.049059223	ela2	ZDB-GENE-041117-1	ela2
ENSDARG00000021309	356.2814921	-0.219048061	0.075121487	-2.915917523	0.003546442	0.049255616	rhoca	ZDB-GENE-040426-1337	rhoca
ENSDARG00000036840	1102.30356	-0.613824476	0.210596785	-2.914690626	0.003560413	0.049416529	krt15	ZDB-GENE-040426-2931	krt15
ENSDARG00000036833	38.0507555	-1.49838999	0.514262549	-2.913667334	0.003572103	0.0495456	upp2	ZDB-GENE-040426-830	upp2
ENSDARG00000000656	54.26611463	0.550675389	0.189053889	2.912795872	0.003582087	0.049650837	psmb9a	ZDB-GENE-990415-140	psmb9a
ENSDARG00000099200	3909.789833	-0.71691915	0.246246759	-2.911385123	0.003598302	0.049842255	zgc:123103	ZDB-GENE-051030-105	zgc:123103
ENSDARG00000079626	111.121671	0.278211209	0.095594369	2.910330509	0.003610467	0.049977357	elf2b	ZDB-GENE-031215-1	elf2b
ENSDARG00000011222	6.636473628	0.899724347	0.309274224	2.909147539	0.003624158	0.050133377	ccdc28b	ZDB-GENE-060208-3	ccdc28b
ENSDARG00000060796	507.003809	-0.304233982	0.104634319	-2.907592706	0.003642224	0.050349673	slc20a2	ZDB-GENE-060929-828	slc20a2
ENSDARG00000102634	80.32921741	-0.572385668	0.196886215	-2.907190163	0.003646914	0.050380905	parn	ZDB-GENE-040426-880	parn
ENSDARG00000043518	268.7144366	0.524839295	0.180695383	2.904552888	0.003677781	0.050773464	si:dkey-239i20.2	ZDB-GENE-041001-98	si:dkey-239i20.2
ENSDARG00000063538	246.3183619	0.3102892	0.10685713	2.903776287	0.003686915	0.050865681	kalrnb	ZDB-GENE-060421-7244	kalrnb
ENSDARG00000016093	13.70643974	-0.922576791	0.317760139	-2.903374834	0.003691645	0.050897051	qtrt2	ZDB-GENE-060427-4	qtrt2
ENSDARG00000044490	2.747780465	1.649736612	0.568300304	2.902931076	0.00369688	0.050935336	tlr9	ZDB-GENE-040219-10	tlr9
ENSDARG00000002020	57.46854507	0.407018659	0.140224977	2.902611706	0.003700652	0.050944208	rictorb	ZDB-GENE-070810-5	rictorb
ENSDARG00000039578	732.855258	-0.310374596	0.106935001	-2.902460307	0.003702441	0.050944208	pa2g4a	ZDB-GENE-030616-161	pa2g4a
ENSDARG00000069966	93.54852312	-0.798643324	0.275288927	-2.901109507	0.003718439	0.051130388	alox5b.3	ZDB-GENE-050522-330	alox5b.3
ENSDARG00000060238	204.0753815	0.49159345	0.16951453	2.90000775	0.003731534	0.051233484	uacab	ZDB-GENE-030521-32	uacab
ENSDARG00000096834	13.91013635	-1.239353994	0.427363072	-2.900002542	0.003731596	0.051233484	si:ch211-155k24.9	ZDB-GENE-131127-51	si:ch211-155k24.9
ENSDARG00000013845	109.2576357	0.368031352	0.126915922	2.899804418	0.003733956	0.051233484	ttc14	ZDB-GENE-050327-26	ttc14
ENSDARG00000038225	92.31374196	-0.336274506	0.115970826	-2.899647405	0.003735826	0.051233484	nras	ZDB-GENE-990415-166	nras
ENSDARG00000009806	33.35108781	-0.537912197	0.185557784	-2.898893198	0.003744824	0.051322916	smfn	ZDB-GENE-040426-1709	smfn
ENSDARG00000042270	44.69299054	0.468305859	0.161613827	2.897684356	0.003759287	0.051487079	arsa	ZDB-GENE-050320-118	arsa
ENSDARG00000024681	10.40757998	-0.954826522	0.329539805	-2.897454291	0.003762046	0.051489408	pane1	ZDB-GENE-040611-4	pane1
ENSDARG00000105187	159.8986329	-0.48500297	0.167407328	-2.897143008	0.003765781	0.051489408	gcshb	ZDB-GENE-040718-319	gcshb

ENSDARG00000089434	18.32855316	0.963528389	0.332611989	2.896854052	0.003769251	0.051489408	etv7	ZDB-GENE-070209-53	etv7
ENSDARG00000056903	50.44512433	-0.568153019	0.196130065	-2.896817565	0.003769689	0.051489408	mrpl13	ZDB-GENE-050522-167	mrpl13
ENSDARG00000010425	54.18804907	0.467850063	0.161515012	2.896635166	0.003771881	0.051489408	scara5	ZDB-GENE-041210-258	scara5
ENSDARG000000103846	1300.807995	-0.856993195	0.295884576	-2.896376715	0.003774989	0.051497913	hspsa5	ZDB-GENE-031001-11	hspsa5
ENSDARG00000041665	183.3854366	0.510695883	0.176360775	2.895745292	0.003782593	0.051504662	mkrn1	ZDB-GENE-020213-1	mkrn1
ENSDARG00000058180	60.44774875	0.452471795	0.156256518	2.895698695	0.003783154	0.051504662	exoc314	ZDB-GENE-081028-71	exoc314
ENSDARG00000092169	1.115554431	-2.269465474	0.783745317	-2.89566703	0.003783536	0.051504662	si:dkey-250k15.4	ZDB-GENE-100922-254	si:dkey-250k15.4
ENSDARG00000056367	44.47741194	-0.640872626	0.221345967	-2.89534359	0.003787437	0.051504662	mpv17i2	ZDB-GENE-040718-306	mpv17i2
ENSDARG00000059212	58.36849336	-0.379640476	0.131123264	-2.895294573	0.003788029	0.051504662	ciao1	ZDB-GENE-040426-839	ciao1
ENSDARG00000032431	8.217602306	-1.090902208	0.376810064	-2.895098384	0.003790397	0.051504662	mpv17	ZDB-GENE-040426-1168	mpv17
ENSDARG00000043079	32.93895727	0.573039708	0.198018519	2.893869275	0.003805266	0.051672812	MMP23B		
ENSDARG00000017775	359.4237635	-0.327653398	0.113247473	-2.893251296	0.003812761	0.051740691	atp5mc3a	ZDB-GENE-040426-857	atp5mc3a
ENSDARG00000033742	21.69217894	-0.607493392	0.209999184	-2.892836913	0.003817795	0.051775094	nt5c1bb	ZDB-GENE-030131-7205	nt5c1bb
ENSDARG00000052426	15.15203802	0.68098556	0.235535807	2.891218827	0.003837508	0.0520084	si:ch211-256e16.3	ZDB-GENE-131127-256	si:ch211-256e16.3
ENSDARG00000011449	30.98523577	0.692635026	0.239605756	2.890727827	0.003843508	0.052055673	fes	ZDB-GENE-100812-10	fes
ENSDARG00000008880	289.0323598	0.688967038	0.238407687	2.889869224	0.003854021	0.052163963	usp28	ZDB-GENE-041008-142	usp28
ENSDARG00000062209	54.125701	-0.422643769	0.146329911	-2.888293765	0.003873379	0.052391754	mrps5	ZDB-GENE-060929-264	mrps5
ENSDARG00000098293	25.84758635	0.658457772	0.228001707	2.887951063	0.003877602	0.052413331	si:dkey-27i16.2	ZDB-GENE-030131-9667	si:dkey-27i16.2
ENSDARG00000010519	1673.000906	0.492229112	0.170453969	2.887753892	0.003880033	0.052413331	per3	ZDB-GENE-000804-1	per3
ENSDARG00000017240	6.175775539	0.990456132	0.343426449	2.884041505	0.00392607	0.053000667	traf5	ZDB-GENE-071120-3	traf5
ENSDARG00000046012	157.4170944	-0.527742678	0.183042691	-2.883167164	0.003936985	0.053096347	slc47a1	ZDB-GENE-050327-20	slc47a1
ENSDARG00000033376	40.6024484	-0.692959235	0.240411776	-2.882384743	0.003946775	0.053096347	chchd4a	ZDB-GENE-040801-46	chchd4a
ENSDARG00000098650	30.64177242	-0.721669538	0.250374488	-2.882360508	0.003947079	0.053096347	iqgap3	ZDB-GENE-160226-1	iqgap3
ENSDARG00000002571	90.83499511	-0.33393568	0.115869909	-2.881987932	0.003951749	0.053096347	tmod2	ZDB-GENE-040912-185	tmod2
ENSDARG00000037783	149.5587853	0.50583489	0.175519127	2.881935991	0.0039524	0.053096347	proza	ZDB-GENE-061013-403	proza
ENSDARG00000092626	16.22289665	0.633172859	0.219708278	2.881879853	0.003953104	0.053096347	zgc:174931	ZDB-GENE-070928-43	zgc:174931
ENSDARG00000088885	3.610793958	1.346193215	0.467123656	2.881877633	0.003953132	0.053096347	si:ch1073-340i21.3	ZDB-GENE-030131-199	si:ch1073-340i21.3
ENSDARG00000014137	81.47666594	0.329553062	0.11435525	2.881835867	0.003953656	0.053096347	picalmb	ZDB-GENE-030131-6795	picalmb
ENSDARG00000074667	299.9742371	0.370580087	0.128653977	2.880440208	0.003971203	0.05329745	akt1s1	ZDB-GENE-030131-482	akt1s1
ENSDARG00000062132	430.2647552	-0.589253366	0.204628605	-2.879623629	0.003981502	0.053401085	cyp4v8	ZDB-GENE-061103-601	cyp4v8
ENSDARG00000060480	30.38299201	0.531744683	0.184696617	2.879016911	0.003989169	0.053446431	ubr1	ZDB-GENE-091110-2	ubr1
ENSDARG00000043089	5.638744642	1.123408527	0.39021494	2.878948018	0.003990041	0.053446431	alox5b.2	ZDB-GENE-060623-19	alox5b.2
ENSDARG000000112049	80.25099004	0.518246409	0.180144421	2.876838519	0.004016811	0.053753688	cldn15a	ZDB-GENE-040426-1305	cldn15a
ENSDARG00000020395	189.696813	0.375047558	0.130372784	2.876731975	0.004018167	0.053753688	mical2b	ZDB-GENE-061207-15	mical2b
ENSDARG00000011819	113.6832879	0.353446908	0.12291186	2.875612733	0.004032441	0.053909837	pcnx1	ZDB-GENE-081113-6	pcnx1
ENSDARG00000078179	131.4829311	0.336158517	0.116928472	2.874907294	0.004041461	0.053995592	fn/dc3ba	ZDB-GENE-070510-1	fn/dc3ba
ENSDARG00000062893	6.916799654	-1.011517106	0.351886501	-2.874555014	0.004045973	0.054021036	si:dkey-103i16.6	ZDB-GENE-061207-46	si:dkey-103i16.6
ENSDARG00000042874	80.5698068	0.714105833	0.248495845	2.873713376	0.004056769	0.054115933	phlda2	ZDB-GENE-050522-73	phlda2
ENSDARG00000012140	117.3865113	-0.350108006	0.121845945	-2.873366079	0.004061232	0.054115933	ccnl1b	ZDB-GENE-030131-4813	ccnl1b
ENSDARG00000037266	60.49443615	-0.442284756	0.153944329	-2.873017537	0.004065715	0.054115933	myoz2b	ZDB-GENE-040426-1853	myoz2b
ENSDARG00000018698	141.279949	-0.3605842	0.125519461	-2.872735411	0.004069348	0.054115933	carm1	ZDB-GENE-040724-77	carm1
ENSDARG00000029356	11.46972172	-0.860924863	0.299702997	-2.872593437	0.004071177	0.054115933	mboat1	ZDB-GENE-041114-98	mboat1
ENSDARG00000004871	6.059374097	-1.047206193	0.364564899	-2.872482226	0.00407261	0.054115933	mst1rb	ZDB-GENE-071218-3	mst1rb
ENSDARG0000005976	60.16383734	-0.396238367	0.137945204	-2.872433083	0.004073243	0.054115933	pecr	ZDB-GENE-050417-232	pecr
ENSDARG000000117089	19.06582474	-0.769684031	0.267973196	-2.872242612	0.004075699	0.054115933	CKS2	ZDB-GENE-040625-102	zgc:86839
ENSDARG000000100336	55.9845858	0.514513782	0.179137397	2.872174037	0.004076584	0.054115933	pik3r6a	ZDB-GENE-170330-1	pik3r6a

ENSDARG00000035506	53.51146273	-0.498737168	0.173664634	-2.871840732	0.004080886	0.054134918	entpd2a.1	ZDB-GENE-040724-187	entpd2a.1
ENSDARG00000093761	25.42518517	0.803620946	0.279845578	2.871658549	0.004083239	0.054134918	si:ch211-250k18.7	ZDB-GENE-070912-246	si:ch211-250k18.7
ENSDARG00000070543	4.137474399	-1.45898152	0.508226441	-2.870731237	0.004095235	0.054259252	grin2ab	ZDB-GENE-070424-223	grin2ab
ENSDARG00000060058	66.28914672	0.325331659	0.113420749	2.868361054	0.004126044	0.054632511	cyl da	ZDB-GENE-061108-2	cyl da
ENSDARG0000003035	824.9268698	-0.420497768	0.146671779	-2.866930307	0.004144743	0.054845057	hs pa9	ZDB-GENE-030828-12	hs pa9
ENSDARG00000017034	84.17445575	0.382154772	0.133324817	2.866343875	0.004152429	0.054911703	sq or	ZDB-GENE-050417-436	sq or
ENSDARG00000070229	168.3636796	0.49107806	0.171354997	2.865851989	0.004158886	0.054962018	zgc:158258	ZDB-GENE-070112-2272	zgc:158258
ENSDARG00000079402	15.76967666	0.641557136	0.223878955	2.865642891	0.004161634	0.054963277	tap bp.1	ZDB-GENE-010110-2	tap bp.1
ENSDARG0000002330	1.292463966	-3.658536618	1.276816724	-2.865357689	0.004165384	0.054977769	lh x8a	ZDB-GENE-031008-2	lh x8a
ENSDARG00000092976	427.3857406	0.662403876	0.231280570	2.864071363	0.004182338	0.055166393	si:ch211-127i16.2	ZDB-GENE-091204-54	si:ch211-127i16.2
ENSDARG00000058389	16.30147691	1.013646294	0.35396122	2.863721323	0.004186962	0.055192256	ccl19a.1	ZDB-GENE-060526-181	ccl19a.1
ENSDARG00000078901	5.391834379	1.135720857	0.396643738	2.863327337	0.004192172	0.055225806	ank s1ab	ZDB-GENE-110107-1	ank s1ab
ENSDARG00000060316	43.1151868	0.797026518	0.278523606	2.861612091	0.004214924	0.055468213	cish	ZDB-GENE-050907-1	cish
ENSDARG00000040705	133.8690063	-0.363841521	0.127148997	-2.861536707	0.004215927	0.055468213	gl sb	ZDB-GENE-030616-550	gl sb
ENSDARG00000075022	1.001643624	-4.247624688	1.484926983	-2.860493974	0.004229816	0.055615638	si:ch211-93e11.8	ZDB-GENE-121214-283	si:ch211-93e11.8
ENSDARG00000054211	15.25516398	-0.766753387	0.26827128	-2.858126993	0.004261498	0.05597702	st8sia7.1	ZDB-GENE-090504-4	st8sia7.1
ENSDARG00000013024	86.30479748	0.300227286	0.105046666	2.858037265	0.004262703	0.05597702	erap1a	ZDB-GENE-091113-7	erap1a
ENSDARG00000095783	29.49083547	0.581172821	0.203468136	2.85633334	0.004285649	0.05622982	si:dkey-249d8.1	ZDB-GENE-110411-157	si:dkey-249d8.1
ENSDARG00000041911	39.31274387	0.539737184	0.18897004	2.856205063	0.004287381	0.05622982	si:ch211-245h14.1	ZDB-GENE-041014-350	si:ch211-245h14.1
ENSDARG00000071662	43.3334218	0.438535221	0.153561042	2.855771327	0.004293242	0.056271072	si:rp71-36a1.3	ZDB-GENE-050208-566	si:rp71-36a1.3
ENSDARG00000055502	205.8998881	0.29547875	0.103481279	2.855383616	0.004298487	0.056274536	cic b	ZDB-GENE-030131-1966	cic b
ENSDARG00000058865	35.13066892	-0.654468474	0.229207766	-2.855350341	0.004298938	0.056274536	endog	ZDB-GENE-050522-402	endog
ENSDARG00000093972	8.954409527	0.783117341	0.274341102	2.854538877	0.004309936	0.056382883	frt79	ZDB-GENE-060126-4	frt79
ENSDARG00000086450	22.71819226	0.591991963	0.207478356	2.853270934	0.004327171	0.056572644	tdg.2	ZDB-GENE-131121-30	tdg.2
ENSDARG00000001888	84.4640887	-0.331066665	0.116056528	-2.852632862	0.004335868	0.056620764	ppm1ba	ZDB-GENE-991102-16	ppm1ba
ENSDARG00000063258	52.34984415	0.441451542	0.1547694	2.852317987	0.004340166	0.056620764	rfx5	ZDB-GENE-070717-3	rfx5
ENSDARG00000043009	158.7153387	-0.363550188	0.12746049	-2.852257883	0.004340987	0.056620764	fam43a	ZDB-GENE-030131-6098	fam43a
ENSDARG00000036684	43.93384533	-0.520082779	0.182344447	-2.852199707	0.004341781	0.056620764	nuf a7	ZDB-GENE-040801-169	nuf a7
ENSDARG00000095050	203.3572484	-1.344373158	0.471475999	-2.851413772	0.004352529	0.056698411	si:dkey-7f3.14	ZDB-GENE-100922-186	si:dkey-7f3.14
ENSDARG00000012389	146.7943017	0.45335188	0.15899473	2.85136419	0.004353208	0.056698411	adar	ZDB-GENE-000616-5	adar
ENSDARG00000037358	75.01685769	-0.416733243	0.146191285	-2.850602495	0.004363648	0.056798695	polr3e	ZDB-GENE-030131-8462	polr3e
ENSDARG00000029003	84.74916516	-0.394152218	0.138285721	-2.850274161	0.004368156	0.05681551	eif1axa	ZDB-GENE-041010-185	eif1axa
ENSDARG00000035887	96.9091452	0.300759576	0.105525637	2.850109075	0.004370424	0.05681551	zgc:91944	ZDB-GENE-040718-417	zgc:91944
ENSDARG000000100514	16.46171322	-0.591423186	0.207557684	-2.849440097	0.004379625	0.056897294	cfap20	ZDB-GENE-040426-1784	cfap20
ENSDARG00000091150	295.0916416	-0.543328665	0.190691641	-2.84925266	0.004382206	0.056897294	mki67	ZDB-GENE-030131-9771	mki67
ENSDARG00000099712	20.36539189	-0.811672001	0.284950652	-2.848465144	0.004393067	0.057002583	zgc:163073	ZDB-GENE-070410-135	zgc:163073
ENSDARG00000045039	4.37425518	-1.311121933	0.460455098	-2.847447966	0.00440713	0.057138501	kcnj16	ZDB-GENE-130603-81	kcnj16
ENSDARG00000038006	76.55963875	0.560775451	0.196949462	2.847306335	0.004409091	0.057138501	osr2	ZDB-GENE-050417-183	osr2
ENSDARG00000041294	44.08006646	0.651724602	0.22891133	2.847061364	0.004412486	0.057138501	noxo1a	ZDB-GENE-030131-9700	noxo1a
ENSDARG00000062349	12.39307127	0.710603777	0.2496052	2.846910946	0.004414571	0.057138501	arhgap15	ZDB-GENE-070912-314	arhgap15
ENSDARG00000074084	85.55417973	-0.325075097	0.114199963	-2.846542929	0.004419677	0.057168176	strip1	ZDB-GENE-040426-2927	strip1
ENSDARG00000095863	2784.729137	-0.729913538	0.2564386	-2.846348162	0.004422381	0.057168176	afp4	ZDB-GENE-030131-5217	afp4
ENSDARG00000005800	100.9499364	-0.600480209	0.210992654	-2.845976847	0.004427541	0.057199197	ampd3a	ZDB-GENE-110407-2	ampd3a
ENSDARG00000099493	3.341452095	1.396273181	0.491143297	2.842903873	0.004470455	0.057717614	CR847906.1		
ENSDARG00000012600	221.2490681	0.719946876	0.253314149	2.842110792	0.004481591	0.057825366	si:dkey-97a13.6	ZDB-GENE-070912-617	si:dkey-97a13.6
ENSDARG00000002764	134.2816325	0.978874038	0.344443123	2.841903273	0.00448451	0.057827011	miox	ZDB-GENE-050913-113	miox

ENSDARG00000052386	62.65481021	0.407205887	0.143302221	2.841588101	0.004488945	0.057848204	cldnd1b	ZDB-GENE-040808-4	cldnd1b
ENSDARG00000053484	126.9161633	0.388515016	0.136825861	2.839485269	0.004518638	0.058194667	syne2b	ZDB-GENE-071218-5	syne2b
ENSDARG00000088225	34.23978486	-0.498074046	0.175455065	-2.838755584	0.004528983	0.058291672	FO082877.1		
ENSDARG00000074804	74.03612525	0.44231801	0.155849499	2.838109927	0.004538155	0.058359985	atxn7	ZDB-GENE-110621-1	atxn7
ENSDARG00000063100	110.3233404	-0.414459443	0.146040011	-2.837985569	0.004539924	0.058359985	psmd14	ZDB-GENE-070410-56	psmd14
ENSDARG00000077745	4.532397801	1.214015678	0.428114284	2.835728036	0.004572136	0.058737635	si:ch73-380l3.2	ZDB-GENE-080303-1	si:ch73-380l3.2
ENSDARG00000060748	70.8342859	-0.641228069	0.226151355	-2.835393447	0.004576928	0.058762765	tsfm	ZDB-GENE-061215-17	tsfm
ENSDARG00000031775	66.17571319	-0.502846221	0.17742875	-2.834074079	0.004595868	0.058969393	ube2s	ZDB-GENE-050913-92	ube2s
ENSDARG00000105266	9.974249221	0.733741916	0.258955508	2.833467117	0.004604605	0.059044935	si:dkey-16p6.1	ZDB-GENE-081103-43	si:dkey-16p6.1
ENSDARG00000029105	18.92515597	0.844825579	0.298241254	2.832691879	0.004615785	0.059148952	ftf51	ZDB-GENE-081104-54	ftf51
ENSDARG00000074328	7.680249355	-1.134235391	0.400448956	-2.832409411	0.004619865	0.059148952	apba1b	ZDB-GENE-070925-3	apba1b
ENSDARG00000007241	130.3973389	-0.578414168	0.204219823	-2.83231157	0.004621279	0.059148952	mycb	ZDB-GENE-040426-780	mycb
ENSDARG00000053912	275.9698574	-0.491743828	0.173675874	-2.831388243	0.004634643	0.059283374	fbl	ZDB-GENE-040426-1936	fbl
ENSDARG00000045802	32.79720005	0.51727388	0.182783542	2.829980617	0.004655082	0.059457286	hapln3	ZDB-GENE-040426-2089	hapln3
ENSDARG00000005098	17.30244746	-0.823336092	0.290960634	-2.829716449	0.004658927	0.059457286	zgc:86764	ZDB-GENE-040718-435	zgc:86764
ENSDARG00000009689	180.6533631	-0.26276695	0.092866234	-2.829520898	0.004661776	0.059457286	daam1b	ZDB-GENE-030131-4212	daam1b
ENSDARG00000036424	21.55432523	0.688567682	0.243354361	2.829485694	0.004662288	0.059457286	pcdh20		
ENSDARG00000027734	240.2951308	0.228857035	0.080887877	2.829311913	0.004664821	0.059457286	srsf5b	ZDB-GENE-040718-354	srsf5b
ENSDARG00000039730	15806.89379	0.647007126	0.228683539	2.829268466	0.004665454	0.059457286	zgc:112160	ZDB-GENE-050417-229	zgc:112160
ENSDARG00000017741	317.8419093	-0.534241133	0.188872538	-2.828580262	0.004675498	0.059548654	g3bp1	ZDB-GENE-030131-7452	g3bp1
ENSDARG00000098369	13.94726273	-3.278548005	1.159391819	-2.827817094	0.004686658	0.059654126	si:dkey-165o8.1	ZDB-GENE-131118-7	si:dkey-165o8.1
ENSDARG00000059960	79.38254135	0.430838438	0.152410064	2.826837206	0.004701022	0.059800232	plch2a	ZDB-GENE-030131-6367	plch2a
ENSDARG00000019585	24.56074363	0.930810462	0.329329349	2.826381755	0.004707712	0.059848596	gstk2	ZDB-GENE-100922-14	gstk2
ENSDARG00000073786	141.7885006	0.434104819	0.153650749	2.825269792	0.004724082	0.060019883	cmb1	ZDB-GENE-071004-21	cmb1
ENSDARG00000025820	7.622226901	-1.037284476	0.367303069	-2.824056111	0.004742008	0.060138429	chek2	ZDB-GENE-030131-8942	chek2
ENSDARG00000004658	130.6033002	-0.520703522	0.184395813	-2.823835931	0.004745267	0.060138429	zgc:101810	ZDB-GENE-041121-7	zgc:101810
ENSDARG00000022891	147.0676634	0.466156537	0.165079336	2.82383337	0.004745305	0.060138429	zgc:175214	ZDB-GENE-080303-32	zgc:175214
ENSDARG00000038822	25.43679277	-0.541060751	0.191631572	-2.823442642	0.004751093	0.060138429	dhodh	ZDB-GENE-030131-3157	dhodh
ENSDARG00000019856	96.94432634	-0.593561888	0.210241485	-2.823238657	0.004754117	0.060138429	atp1a1b	ZDB-GENE-001212-5	atp1a1b
ENSDARG00000074060	53.17689734	0.49220503	0.174348619	2.823108278	0.004756051	0.060138429	map3k14a	ZDB-GENE-120215-80	map3k14a
ENSDARG00000036076	72.58020154	-0.618367046	0.219039538	-2.823084144	0.004756409	0.060138429	heatr3	ZDB-GENE-040426-1876	heatr3
ENSDARG00000007496	126.8326338	0.349485731	0.123796373	2.823069228	0.004756663	0.060138429	ufl1	ZDB-GENE-040426-1163	ufl1
ENSDARG00000099266	194.2258833	0.335649027	0.118914888	2.822598868	0.004763613	0.060189995	vasna	ZDB-GENE-050522-43	vasna
ENSDARG00000077960	287.0909808	0.553498748	0.196133963	2.822044384	0.004771857	0.06025742	si:ch211-186e20.7	ZDB-GENE-110407-6	si:ch211-186e20.7
ENSDARG00000037555	56.9103214	-0.439469114	0.155873879	-2.819389089	0.004811516	0.060721209	atoh8	ZDB-GENE-061215-7	atoh8
ENSDARG00000062801	156.7189933	0.353620797	0.125522747	2.817184965	0.004844662	0.06110231	erfl3	ZDB-GENE-090529-4	erfl3
ENSDARG00000038822	165.7907943	-0.484025015	0.171825515	-2.816956586	0.004848108	0.061108571	mrc1b	ZDB-GENE-070705-13	mrc1b
ENSDARG00000077072	10.53004056	-0.827294825	0.293705589	-2.816748665	0.004851247	0.06111097	si:ch73-280o22.2	ZDB-GENE-141216-272	si:ch73-280o22.2
ENSDARG00000009978	530.8241666	-0.494057589	0.175432739	-2.816222287	0.004859203	0.061119716	icn	ZDB-GENE-030131-8599	icn
ENSDARG00000062650	148.1732707	-0.442912845	0.157272725	-2.816208889	0.004859406	0.061119716	rif1	ZDB-GENE-030131-3406	rif1
ENSDARG00000039052	44.92100791	-0.396658727	0.140867836	-2.815821829	0.004865264	0.061119716	klhl40a	ZDB-GENE-050916-1	klhl40a
ENSDARG00000075446	150.1917025	-0.304475433	0.108136843	-2.815649354	0.004867876	0.061119716	naa25	ZDB-GENE-041111-190	naa25
ENSDARG00000035188	154.3725274	0.223086259	0.079233942	2.815539081	0.004869547	0.061119716	rab14l	ZDB-GENE-040426-1207	rab14l
ENSDARG00000070187	197.5321505	0.322346372	0.114488576	2.815533062	0.004869639	0.061119716	dyrk1b	ZDB-GENE-060503-499	dyrk1b
ENSDARG00000090195	23.64074061	0.597028923	0.212098646	2.814864382	0.004879782	0.061209956	mtx3	ZDB-GENE-021210-3	mtx3
ENSDARG00000013730	435.0997183	0.581941022	0.206799609	2.814033478	0.004892413	0.06129949	slc4a4a	ZDB-GENE-060526-274	slc4a4a

ENSDARG00000055344	60.02969261	-0.3636263	0.129220173	-2.814005674	0.004892836	0.06129949	mipep	ZDB-GENE-060503-662	mipep
ENSDARG00000090854	4.055682442	-1.540910186	0.547973008	-2.812018409	0.004923169	0.061642235	lsm11	ZDB-GENE-050309-124	lsm11
ENSDARG00000079688	623.2508451	0.265490442	0.094425179	2.811648805	0.004928829	0.0616661	tnrc6a	ZDB-GENE-030131-2519	tnrc6a
ENSDARG00000013279	20.42397357	0.708787047	0.252131271	2.811182621	0.004935976	0.0616661	znf76	ZDB-GENE-061027-379	znf76
ENSDARG00000079616	42.18985765	0.428890314	0.152566438	2.811170788	0.004936158	0.0616661	cramp1	ZDB-GENE-030131-8255	cramp1
ENSDARG00000092057	9.15027034	-8.185453113	2.911787276	-2.811143926	0.00493657	0.0616661	si:dkey-90l23.1	ZDB-GENE-030131-5242	si:dkey-90l23.1
ENSDARG00000002219	18.88363263	1.054447058	0.375216204	2.810238595	0.004950479	0.061760613	si:dkey-103j14.5	ZDB-GENE-090313-170	si:dkey-103j14.5
ENSDARG00000088807	44.5548273	0.563256211	0.200444936	2.810029631	0.004953694	0.061760613	klhl22	ZDB-GENE-081104-154	klhl22
ENSDARG00000045636	93.01602318	0.323972589	0.11530321	2.809744756	0.00495808	0.061760613	rbl2	ZDB-GENE-061109-2	rbl2
ENSDARG00000098821	58.83515802	-0.459534417	0.163560063	-2.809575933	0.004960682	0.061760613	sec14l1	ZDB-GENE-040426-801	sec14l1
ENSDARG00000070657	478.8116946	-0.228833214	0.081450811	-2.809465119	0.00496239	0.061760613	pa2g4b	ZDB-GENE-030131-2182	pa2g4b
ENSDARG00000091413	13.00459743	-0.765123507	0.272349197	-2.809347395	0.004964205	0.061760613	TIMM22		
ENSDARG00000016483	165.8811691	0.409666596	0.145829356	2.809218999	0.004966185	0.061760613	baiap2l2a	ZDB-GENE-040108-10	baiap2l2a
ENSDARG00000003941	118.6506667	-0.555372983	0.197706627	-2.809076218	0.004968388	0.061760613	rrs1	ZDB-GENE-030131-9345	rrs1
ENSDARG00000006003	22.95466035	-0.798021584	0.284167729	-2.808276606	0.004980743	0.061877067	mycla	ZDB-GENE-040426-2439	mycla
ENSDARG00000061143	51.58305062	-0.405886232	0.144621604	-2.806539416	0.005007679	0.062174425	tapt1b	ZDB-GENE-030131-4025	tapt1b
ENSDARG00000042285	3.935638248	-1.574709245	0.561208817	-2.805923923	0.005017254	0.062256006	atp8b3	ZDB-GENE-050208-424	atp8b3
ENSDARG00000075027	6.485561236	-1.034060728	0.368621648	-2.805208898	0.005028398	0.062356949	fgfr1bl	ZDB-GENE-091204-406	fgfr1bl
ENSDARG00000078620	18.10954553	0.890313928	0.317431294	2.804745294	0.005035636	0.062391088	si:dkey-156m2.3	ZDB-GENE-121213-8	si:dkey-156m2.3
ENSDARG00000090286	10917.93944	0.450131038	0.160494726	2.804646913	0.005037173	0.062391088	serpina1	ZDB-GENE-030131-1421	serpina1
ENSDARG00000094704	19.65781917	0.602434844	0.214893677	2.803408881	0.005056552	0.062566557	bcl2a	ZDB-GENE-051012-1	bcl2a
ENSDARG00000105281	60.67385806	0.449756185	0.160434904	2.80335621	0.005057378	0.062566557	p2ry1	ZDB-GENE-121004-2	p2ry1
ENSDARG00000099877	29.55139006	0.542809164	0.193653381	2.802993485	0.005063069	0.062591278	si:dkeyp-72e1.6	ZDB-GENE-120215-228	si:dkeyp-72e1.6
ENSDARG00000091006	890.3033508	0.475898995	0.16979147	2.802843956	0.005065417	0.062591278	cobl	ZDB-GENE-091020-11	cobl
ENSDARG00000013351	2969.839357	0.331061739	0.11816664	2.801651446	0.005084177	0.062760965	cirbbp	ZDB-GENE-030131-5841	cirbbp
ENSDARG00000101814	35.86314153	0.505132396	0.180310544	2.801457891	0.005087228	0.062760965	lpar3	ZDB-GENE-120202-1	lpar3
ENSDARG00000010729	128.6344867	1.876684013	0.669910775	2.80139398	0.005088236	0.062760965	CABZ01073795.1		
ENSDARG00000071216	30.45857513	3.895913173	1.390860185	2.801081816	0.00509316	0.062784337	si:ch211-133n4.9	ZDB-GENE-070424-126	si:ch211-133n4.9
ENSDARG00000056757	3.819263319	1.658982214	0.592330694	2.800770298	0.005098079	0.06280761	slc39a8	ZDB-GENE-050419-124	slc39a8
ENSDARG00000018000	56.1907527	-0.393116452	0.140378036	-2.800412823	0.005103729	0.062811905	ubp1	ZDB-GENE-060503-870	ubp1
ENSDARG00000040527	37.90773014	-0.425240046	0.151851667	-2.800364683	0.00510449	0.062811905	siae	ZDB-GENE-040426-1032	siae
ENSDARG00000027899	115.3188295	-0.519326614	0.185494224	-2.79969157	0.005115145	0.062905665	sem1	ZDB-GENE-030131-988	sem1
ENSDARG00000053021	66.87541337	-0.425000741	0.151852233	-2.798778341	0.005129634	0.063046424	grsf1	ZDB-GENE-060825-196	grsf1
ENSDARG00000100942	8.614037077	1.1470096	0.40988489	2.798370052	0.005136123	0.063088764	zgc:194655	ZDB-GENE-081022-137	zgc:194655
ENSDARG00000068213	54.84590975	-0.443422007	0.158532942	-2.797033871	0.005157413	0.063311448	fzd10	ZDB-GENE-990415-220	fzd10
ENSDARG00000024416	72.47289303	-0.417446628	0.149265699	-2.79666816	0.005163253	0.063311448	twistnb	ZDB-GENE-041007-3	twistnb
ENSDARG00000071215	68.2960927	0.341173159	0.12199317	2.796657863	0.005163418	0.063311448	palm3	ZDB-GENE-061215-74	palm3
ENSDARG00000060199	77.69719306	-0.432250047	0.154691726	-2.794267406	0.005201745	0.063743673	mrpl18	ZDB-GENE-061013-632	mrpl18
ENSDARG00000041645	986.7084473	0.885954808	0.317088522	2.794029893	0.005205567	0.063752808	sb:cb37	ZDB-GENE-030131-9800	sb:cb37
ENSDARG00000018688	77.22128069	0.34422488	0.123270727	2.792430039	0.005231378	0.064031076	elk3	ZDB-GENE-030716-2	elk3
ENSDARG00000097155	8.878076816	-1.023290851	0.366499757	-2.792064202	0.005237296	0.064065676	GDPGP1	ZDB-GENE-060929-280	zgc:153343
ENSDARG00000112454	295.5821624	0.843856544	0.302269421	2.791736393	0.005242605	0.064092776	FO744833.2		
ENSDARG00000005049	55.46426778	0.418661155	0.150009381	2.790899817	0.005256174	0.064219284	rab20	ZDB-GENE-030131-9143	rab20
ENSDARG00000024708	9.2064352	0.910743313	0.326379874	2.790439562	0.005263653	0.064219284	slc25a23b	ZDB-GENE-040724-220	slc25a23b
ENSDARG00000104696	63.14260866	-0.398466823	0.142801034	-2.790363703	0.005264886	0.064219284	apooa	ZDB-GENE-031118-91	apooa
ENSDARG00000101695	165.7390695	0.561484833	0.201226204	2.790316674	0.005265651	0.064219284	si:dkey-26m3.3	ZDB-GENE-070705-445	si:dkey-26m3.3

ENSDARG0000057032	32.90305035	0.619908944	0.222178059	2.790144748	0.005268448	0.064219284	ppm1nb	ZDB-GENE-071004-34	ppm1nb
ENSDARG0000055504	877.2221668	0.434999625	0.155974875	2.788908305	0.005288604	0.064427069	si:ch211-212k18.7	ZDB-GENE-030131-1312	si:ch211-212k18.7
ENSDARG0000035514	61.34941585	0.643491308	0.230849654	2.787490888	0.005311795	0.064639691	adam28	ZDB-GENE-060929-532	adam28
ENSDARG0000061560	47.27141501	0.517434258	0.185629281	2.787460328	0.005312296	0.064639691	stim1b	ZDB-GENE-060531-4	stim1b
ENSDARG00000115029	8.555334771	0.916013957	0.328653393	2.787173288	0.005317004	0.06465901	si:dkeyp-123a12.2	ZDB-GENE-041210-271	si:dkeyp-123a12.2
ENSDARG0000024488	133.0261175	-0.494542537	0.177494069	-2.786248238	0.005332202	0.064805801	top2a	ZDB-GENE-030131-2453	top2a
ENSDARG0000041998	29.17658755	0.618694911	0.222076221	2.785957489	0.005336987	0.064825935	zgc:113337	ZDB-GENE-050306-20	zgc:113337
ENSDARG0000056084	8.615341331	0.969187607	0.348017662	2.784880517	0.005354745	0.065003531	igsf21b	ZDB-GENE-070424-59	igsf21b
ENSDARG0000042899	43.30057952	0.617810535	0.221896328	2.784230552	0.005365488	0.06509581	si:ch211-163l21.8	ZDB-GENE-041008-93	si:ch211-163l21.8
ENSDARG00000077513	18.18875968	0.627589178	0.225473196	2.783431416	0.005378723	0.0652182	ppp1r3da	ZDB-GENE-080204-75	ppp1r3da
ENSDARG00000101353	3.376366429	2.209308137	0.794092644	2.782179327	0.00539952	0.065432073	f13b	ZDB-GENE-050208-701	f13b
ENSDARG0000045834	624.8855788	0.62209262	0.223709638	2.780803838	0.005422449	0.065671532	si:dkey-14d8.7	ZDB-GENE-041210-143	si:dkey-14d8.7
ENSDARG00000104105	26.01971403	-0.704839923	0.253541006	-2.779983928	0.005436159	0.065767843	tff2	ZDB-GENE-110411-73	tff2
ENSDARG0000059388	113.0050972	0.368090076	0.132412285	2.779878578	0.005437923	0.065767843	bdh1	ZDB-GENE-070410-130	bdh1
ENSDARG00000011671	5.260553572	-1.681305437	0.60483853	-2.779759146	0.005439923	0.065767843	pde6b	ZDB-GENE-090421-2	pde6b
ENSDARG00000004378	91.12454969	0.287736235	0.103545438	2.778840284	0.005455334	0.065915704	yrk	ZDB-GENE-030131-9517	yrk
ENSDARG00000054942	381.4171761	0.399415909	0.143822003	2.777154396	0.005483712	0.066219981	lgals2a	ZDB-GENE-050318-2	lgals2a
ENSDARG00000008503	44.5312965	0.409245981	0.147398882	2.776452414	0.005495568	0.066324495	glcci1a	ZDB-GENE-031010-41	glcci1a
ENSDARG00000061764	5063.047164	-0.404553586	0.145731896	-2.776012648	0.005503007	0.066375615	ahnak	ZDB-GENE-030131-8719	ahnak
ENSDARG00000003909	27.45707316	0.729587579	0.262885922	2.775301067	0.005515063	0.066482333	frt01	ZDB-GENE-070705-491	frt01
ENSDARG00000058372	2.97943568	-1.651877498	0.595260409	-2.775050169	0.005519319	0.066494962	mcph1	ZDB-GENE-060421-6122	mcph1
ENSDARG00000031366	21.07971639	-0.592339277	0.213515999	-2.774214961	0.00553351	0.066627192	rtn4ip1	ZDB-GENE-040426-1314	rtn4ip1
ENSDARG00000055722	149.6852118	0.352631487	0.127152534	2.773294998	0.005549179	0.066777056	bco2a	ZDB-GENE-030131-8039	bco2a
ENSDARG00000061496	2.102834592	-1.73642989	0.626236193	-2.772803472	0.005557567	0.066839182	si:ch211-250e5.2	ZDB-GENE-030131-8384	si:ch211-250e5.2
ENSDARG00000093886	3.515320921	-7.533219615	2.717208908	-2.772410907	0.005564275	0.066881035	tmsb5		
ENSDARG00000095717	14.51924005	0.680682282	0.245666677	2.770755437	0.005592641	0.067148496	si:dkey-172k15.6	ZDB-GENE-121214-9	si:dkey-172k15.6
ENSDARG00000001910	266.1563054	0.312436623	0.11276312	2.770734116	0.005593008	0.067148496	rorab	ZDB-GENE-040426-855	rorab
ENSDARG00000014101	78.50261514	-0.481636239	0.17385605	-2.770316235	0.005600189	0.067195784	pyroxd2	ZDB-GENE-050506-147	pyroxd2
ENSDARG00000077810	113.5483568	0.621155377	0.224245036	2.769984965	0.005605888	0.067225238	otud4	ZDB-GENE-030131-5338	otud4
ENSDARG00000056379	45.52426318	-0.409108206	0.147713743	-2.769601515	0.005612491	0.067265495	si:ch73-86n18.1	ZDB-GENE-141216-19	si:ch73-86n18.1
ENSDARG00000097285	356.2137536	0.57118523	0.206285532	2.768905919	0.005624487	0.067370305	ANPEP	ZDB-GENE-131127-23	si:ch211-147g22.5
ENSDARG00000091271	12.26866979	-0.838624815	0.302918379	-2.768484426	0.005631768	0.067418539	si:ch211-225g23.1	ZDB-GENE-030131-3256	si:ch211-225g23.1
ENSDARG00000017312	36.90141039	0.458398861	0.165592838	2.768228782	0.005636188	0.067432493	lmbd2b	ZDB-GENE-030131-7197	lmbd2b
ENSDARG00000032317	60.48234442	0.413926503	0.149599588	2.766896003	0.005659281	0.067669712	tox	ZDB-GENE-070912-181	tox
ENSDARG00000022650	160.7872232	0.330742171	0.119556468	2.766409684	0.005667728	0.06773164	cyp2ad3	ZDB-GENE-041001-156	cyp2ad3
ENSDARG00000086778	51.24173435	0.488690261	0.176695638	2.765717746	0.005679767	0.067836389	pdgfa	ZDB-GENE-050208-525	pdgfa
ENSDARG00000113527	1.983260522	1.862178069	0.673460697	2.765087967	0.005690745	0.067928348	si:ch211-209n20.3	ZDB-GENE-070705-100	si:ch211-209n20.3
ENSDARG00000056986	40.59267571	0.583876951	0.211247484	2.763947476	0.005710673	0.068094707	dact2	ZDB-GENE-030131-9975	dact2
ENSDARG00000043446	31.74263792	-0.556555748	0.201365053	-2.763914296	0.005711254	0.068094707	efhd1	ZDB-GENE-030131-7461	efhd1
ENSDARG00000101629	5933.049404	0.69391284	0.251131777	2.763142313	0.00572478	0.068178323	CABZ01079192.1		
ENSDARG00000063079	39.58337459	-0.723001567	0.261659937	-2.763134371	0.005724919	0.068178323	ago3b	ZDB-GENE-060503-452	ago3b
ENSDARG00000045694	63.01251753	0.432299767	0.156479483	2.762661019	0.005733228	0.068178323	prickle1b	ZDB-GENE-030131-2152	prickle1b
ENSDARG00000069244	39.64187518	0.861223686	0.311739232	2.762641325	0.005733573	0.068178323	si:ch211-244b2.3	ZDB-GENE-030131-4737	si:ch211-244b2.3
ENSDARG00000063555	49.82813083	0.386518779	0.139912441	2.76257619	0.005734718	0.068178323	si:ch211-166g5.4	ZDB-GENE-121214-319	si:ch211-166g5.4
ENSDARG00000100095	132.2290987	-0.51790469	0.1875694	-2.761136363	0.005760062	0.06840897	anxa1b	ZDB-GENE-030131-6554	anxa1b
ENSDARG00000063921	15872.43767	-0.334122553	0.12101071	-2.761099026	0.005760721	0.06840897	mt-nd5	ZDB-GENE-011205-12	mt-nd5

ENSDARG00000099885	44.26014391	0.555846516	0.201377123	2.760226725	0.005776126	0.068552625	trim105	ZDB-GENE-060810-140	trim105
ENSDARG00000087018	3.426178208	1.534073697	0.555847857	2.759880563	0.00578225	0.068586021	FO704748.1		
ENSDARG00000038159	92.48962307	0.405298217	0.146864289	2.75967848	0.005785827	0.068589195	tcf7l1a	ZDB-GENE-980605-30	tcf7l1a
ENSDARG00000068886	39.31233997	-0.607921586	0.220339839	-2.759018013	0.005797534	0.068609022	mrpl14	ZDB-GENE-040426-1066	mrpl14
ENSDARG00000018553	71.7117907	0.683123829	0.247599544	2.758986618	0.005798091	0.068609022	ifih1	ZDB-GENE-081104-438	ifih1
ENSDARG000000113599	33.63480924	-1.582948084	0.573772903	-2.758840781	0.005800679	0.068609022	hbbe.1.1	ZDB-GENE-030616-7	hbbe.1.1
ENSDARG000000102569	80.92795347	-0.404218179	0.146517593	-2.758837145	0.005800743	0.068609022	polr3a	ZDB-GENE-050208-103	polr3a
ENSDARG00000005870	131.0580452	-0.26267474	0.095312463	-2.755932771	0.005852502	0.069181721	mmadhc	ZDB-GENE-040704-50	mmadhc
ENSDARG00000073747	13.88812226	-0.741969733	0.269245487	-2.755736931	0.005856007	0.069183687	si:dkey-1j5.4	ZDB-GENE-130603-91	si:dkey-1j5.4
ENSDARG000000114958	5.118334582	-7.719059548	2.801342701	-2.755485626	0.005860508	0.069197405	zp3	ZDB-GENE-050626-121	zp3.2
ENSDARG000000114958	5.118334582	-7.719059548	2.801342701	-2.755485626	0.005860508	0.069197405	zp3	ZDB-GENE-991129-7	zp3
ENSDARG00000010252	32.98754451	0.513045358	0.186247715	2.754639742	0.005875679	0.06933703	jak3	ZDB-GENE-070725-4	jak3
ENSDARG00000089094	0.915005553	-2.646752763	0.961144448	-2.753751289	0.005891652	0.069465339	si:dkey-160o24.3	ZDB-GENE-140106-224	si:dkey-160o24.3
ENSDARG00000010673	37.54376455	-0.488379304	0.17735629	-2.753662157	0.005893257	0.069465339	trim16	ZDB-GENE-090512-6	trim16
ENSDARG000000113826	19.48293651	1.006620602	0.365630638	2.753107914	0.005903243	0.069543496	si:ch211-223k15.1	ZDB-GENE-141215-3	si:ch211-223k15.1
ENSDARG00000067613	50.66165193	-0.482486723	0.175272222	-2.752784877	0.005909071	0.069572597	dnajc25	ZDB-GENE-081104-137	dnajc25
ENSDARG00000002682	121.6674631	0.443047197	0.160956979	2.752581471	0.005912743	0.069576301	tbcela	ZDB-GENE-040426-1719	tbcela
ENSDARG00000099642	37.19216074	-0.448640223	0.163011344	-2.752202466	0.005919591	0.069587628	dcun1d1	ZDB-GENE-030131-5443	dcun1d1
ENSDARG00000062187	23.08317375	-0.738766098	0.268459931	-2.751867274	0.005925653	0.069587628	kif14	ZDB-GENE-030131-5759	kif14
ENSDARG00000053366	18.48068687	0.757577699	0.275313831	2.751687758	0.005928902	0.069587628	ftr12	ZDB-GENE-070912-196	ftr12
ENSDARG00000010432	86.46697587	-0.438159373	0.159234432	-2.751662231	0.005929364	0.069587628	eaf2	ZDB-GENE-040625-179	eaf2
ENSDARG00000044357	119.9663798	-0.289318676	0.105145627	-2.751599687	0.005930497	0.069587628	tbc1d23	ZDB-GENE-040426-1253	tbc1d23
ENSDARG00000016038	109.5074414	0.509504629	0.185222243	2.750774531	0.005945455	0.069723666	hacd3	ZDB-GENE-040426-1200	hacd3
ENSDARG00000087197	65.35144762	0.627890809	0.228297749	2.750315376	0.005953793	0.069772779	ros1	ZDB-GENE-020506-1	ros1
ENSDARG00000012790	189.9053719	-0.392643351	0.142782054	-2.749948886	0.005960456	0.069772779	tmem161a	ZDB-GENE-041111-267	tmem161a
ENSDARG00000043816	2.855629885	-2.181513866	0.793314977	-2.749871021	0.005961873	0.069772779	st6galnac1.2	ZDB-GENE-041014-161	st6galnac1.2
ENSDARG00000030465	111.5573642	-0.431505073	0.15692218	-2.749802946	0.005963111	0.069772779	tmem263	ZDB-GENE-040426-2155	tmem263
ENSDARG00000054777	40.95665448	0.382811499	0.139225722	2.749574527	0.005967269	0.06977487	si:dkey-46a10.3	ZDB-GENE-030131-4610	si:dkey-46a10.3
ENSDARG00000062058	152.6113647	-0.378566554	0.137689443	-2.749423244	0.005970024	0.06977487	slc12a7b	ZDB-GENE-030829-61	slc12a7b
ENSDARG000000103066	1.723462182	-2.815030304	1.023946449	-2.749196803	0.00597415	0.069783735	smx5	ZDB-GENE-000616-10	smx5
ENSDARG00000061081	116.0475529	-0.550571257	0.200302496	-2.748698931	0.005983232	0.069850436	arpp21	ZDB-GENE-081104-296	arpp21
ENSDARG00000098646	114.9063012	-0.420094906	0.152848868	-2.748433226	0.005988083	0.069867712	mthfd2	ZDB-GENE-040704-20	mthfd2
ENSDARG00000040445	263.3965191	0.639598613	0.232794344	2.74748347	0.006005454	0.070027362	si:ch211-219a4.3	ZDB-GENE-070424-157	si:ch211-219a4.3
ENSDARG00000099566	155.2660213	-0.281987964	0.102641263	-2.747315809	0.006008525	0.070027362	lmbd2a	ZDB-GENE-050417-32	lmbd2a
ENSDARG00000016117	25.19040757	-0.710369557	0.258612058	-2.746853961	0.006016992	0.070086626	exd2	ZDB-GENE-030131-6387	exd2
ENSDARG00000022813	1.676282135	-6.165863124	2.244909915	-2.746597128	0.006021705	0.070102122	dnd1	ZDB-GENE-030828-4	dnd1
ENSDARG00000007916	31.59443114	-0.469125194	0.170815028	-2.746392978	0.006025454	0.070106379	xpnpep3	ZDB-GENE-040426-2076	xpnpep3
ENSDARG00000042946	133.4456675	0.315507757	0.114906631	2.745775012	0.006036815	0.070199144	hook1	ZDB-GENE-041001-159	hook1
ENSDARG00000040991	69.4308869	0.479203995	0.17454677	2.745418857	0.006043371	0.07023597	cttnbp2	ZDB-GENE-030131-8134	cttnbp2
ENSDARG00000056059	37.14079341	-0.60345653	0.21985501	-2.744793174	0.006054904	0.070315629	rangap1b	ZDB-GENE-040426-1921	rangap1b
ENSDARG00000060102	215.9682956	0.338201503	0.123220787	2.74467897	0.006057012	0.070315629	kank1a	ZDB-GENE-060526-215	kank1a
ENSDARG00000060102	215.9682956	0.338201503	0.123220787	2.74467897	0.006057012	0.070315629	kank1a	ZDB-GENE-030131-4353	wu:fc93h12
ENSDARG00000001882	84.5011235	0.477262909	0.173899757	2.744471389	0.006060844	0.070320719	kbtbd12	ZDB-GENE-050904-1	kbtbd12
ENSDARG000000103959	65.95278998	0.428036051	0.155981412	2.744147819	0.006066821	0.070350683	pak1	ZDB-GENE-030826-29	pak1
ENSDARG00000070775	386.1828451	0.49594933	0.180743882	2.743934253	0.00607077	0.070357095	cyp2x9	ZDB-GENE-061027-109	cyp2x9
ENSDARG00000062757	36.28324	-0.423134904	0.154301253	-2.742264863	0.006101712	0.070670243	zgc:158403	ZDB-GENE-061215-116	zgc:158403

ENSDARG00000052789	32.44409776	0.436969322	0.159355205	2.742108879	0.00610461	0.070670243	azin1a	ZDB-GENE-050417-20	azin1a
ENSDARG00000007279	104.1170399	-0.330696859	0.120616543	-2.741720596	0.006111831	0.070714323	yipf5	ZDB-GENE-040426-1057	yipf5
ENSDARG00000099240	17.60640057	-0.605653338	0.22092987	-2.74138276	0.006118119	0.07074758	acap3b	ZDB-GENE-070209-274	acap3b
ENSDARG00000040224	20.9372845	-0.85979006	0.313714588	-2.740676052	0.006131293	0.070786445	krcp	ZDB-GENE-030131-2126	krcp
ENSDARG00000026548	25.32496876	0.628464171	0.229320226	2.740552733	0.006133594	0.070786445	cyp2u1	ZDB-GENE-070730-1	cyp2u1
ENSDARG00000003940	50.51010707	-0.371903234	0.135710951	-2.740406958	0.006136315	0.070786445	mtfr1l	ZDB-GENE-030131-6228	mtfr1l
ENSDARG00000062084	64.16605962	0.454853818	0.16598452	2.740338784	0.006137588	0.070786445	clcn1a	ZDB-GENE-060503-333	clcn1a
ENSDARG00000037425	466.083614	0.653911597	0.238628893	2.740286759	0.00613856	0.070786445	s100a10a	ZDB-GENE-041010-35	s100a10a
ENSDARG00000009209	131.7238497	0.267686935	0.097715276	2.739458426	0.00615405	0.070925594	slc9a6a	ZDB-GENE-070424-104	slc9a6a
ENSDARG00000071553	16.66339669	0.85797819	0.313271086	2.738772354	0.006166906	0.071034253	zgc:171500	ZDB-GENE-080204-9	zgc:171500
ENSDARG00000019222	70.33722008	-0.467736598	0.170817498	-2.738224149	0.006177196	0.071113251	mrpl24	ZDB-GENE-040718-98	mrpl24
ENSDARG00000078751	132.3336435	-0.289483114	0.105739467	-2.737701646	0.006187018	0.071186775	tpp2	ZDB-GENE-121214-290	tpp2
ENSDARG00000038139	92.84763427	0.395367145	0.144443508	2.7371749	0.006196934	0.071192895	pdgfb	ZDB-GENE-131121-332	pdgfb
ENSDARG00000018404	1340.24674	0.311353826	0.113755756	2.737038008	0.006199513	0.071192895	krt18a.1	ZDB-GENE-030411-6	krt18a.1
ENSDARG00000052343	3.184153828	-1.393354682	0.509088061	-2.736962009	0.006200945	0.071192895	spata18	ZDB-GENE-050522-306	spata18
ENSDARG00000074381	102.6642746	0.28589013	0.104455981	2.736943614	0.006201292	0.071192895	farp1	ZDB-GENE-070424-163	farp1
ENSDARG00000087641	52.46204428	-0.440602251	0.160996639	-2.736717072	0.006205564	0.071202489	cdh26.2	ZDB-GENE-100922-183	cdh26.2
ENSDARG00000093621	5.438517635	1.132761521	0.414028176	2.735952739	0.006219996	0.071328586	si:dkey-27b3.4	ZDB-GENE-091204-131	si:dkey-27b3.4
ENSDARG00000060435	17.50891289	-0.644204736	0.235492397	-2.735564905	0.00622733	0.071335867	bnip1	ZDB-GENE-060503-81	bnip1
ENSDARG00000099653	129.3697924	-0.326694257	0.119425215	-2.735555105	0.006227516	0.071335867	PSMD2 (1 of many)		
ENSDARG00000018149	2242.934378	-0.455540064	0.16654803	-2.735187349	0.006234478	0.071376163	slc38a4	ZDB-GENE-041010-14	slc38a4
ENSDARG00000098289	1.849723544	-2.199843984	0.804385175	-2.73481418	0.00624155	0.071417669	vstm2l	ZDB-GENE-040426-1548	vstm2l
ENSDARG00000103199	120.8989847	-0.616395083	0.225422104	-2.734403911	0.006249333	0.071467265	si:dkey-247k7.2	ZDB-GENE-031118-45	si:dkey-247k7.2
ENSDARG00000104134	6.66260558	1.326719162	0.485281336	2.73391755	0.006258571	0.071533434	BX323793.1		
ENSDARG00000021120	45.23222176	-0.552194897	0.202046405	-2.733010257	0.006275838	0.071653875	ndc1	ZDB-GENE-030131-7176	ndc1
ENSDARG00000007751	6.036811923	-1.273619089	0.466014958	-2.733000448	0.006276025	0.071653875	lmln3	ZDB-GENE-020424-4	lmln3
ENSDARG00000067608	1.841937828	-1.953835884	0.71537964	-2.731187433	0.006310657	0.071974446	zswim7	ZDB-GENE-030131-4255	zswim7
ENSDARG00000045935	5.280487845	-1.031829849	0.377818042	-2.731023228	0.006313802	0.071974446	immp1l	ZDB-GENE-070522-4	immp1l
ENSDARG00000074360	2.309061705	1.539557454	0.563736934	2.730985612	0.006314523	0.071974446	fr57	ZDB-GENE-090312-35	fr57
ENSDARG00000075600	13.61265898	1.049095651	0.384208956	2.730534091	0.006323179	0.072033492	si:dkeyp-41f9.3	ZDB-GENE-091118-56	si:dkeyp-41f9.3
ENSDARG00000071589	19.39510947	-0.656947908	0.240638447	-2.730020559	0.006333038	0.072106157	si:dkey-253d23.2	ZDB-GENE-050208-410	si:dkey-253d23.2
ENSDARG00000011257	72.12137823	0.43970617	0.161087272	2.729614604	0.006340841	0.072115967	enpp2	ZDB-GENE-040426-1156	enpp2
ENSDARG00000060338	5.947158402	-0.970285055	0.355466081	-2.729613616	0.00634086	0.072115967	trmt12	ZDB-GENE-060825-182	trmt12
ENSDARG00000116833	41.11459397	0.555132656	0.203406038	2.729184748	0.006349112	0.072170217	CABZ01077220.2		
ENSDARG00000071724	22.23020574	-0.697139997	0.255482401	-2.728720235	0.006358062	0.072198537	ankha	ZDB-GENE-050913-33	ankha
ENSDARG00000011171	11.54431485	1.013127198	0.371288041	2.728682549	0.006358788	0.072198537	si:ch211-12m10.1	ZDB-GENE-060503-100	si:ch211-12m10.1
ENSDARG00000089205	16.61451586	-0.581677186	0.213184678	-2.728513106	0.006362056	0.072198537	si:dkey-73n8.3	ZDB-GENE-141219-27	si:dkey-73n8.3
ENSDARG00000053479	22.40783839	0.689457204	0.252807222	2.727205334	0.006387328	0.072445652	gdf6a	ZDB-GENE-980526-373	gdf6a
ENSDARG00000020387	110.0727486	-0.454138339	0.166553246	-2.726685609	0.006397396	0.072520154	nipsnap3a	ZDB-GENE-040426-1037	nipsnap3a
ENSDARG00000098443	51.23726448	-0.428661637	0.15724848	-2.726014512	0.006410418	0.072610758	zfand6	ZDB-GENE-030131-8405	zfand6
ENSDARG00000100955	216.4530637	0.405559124	0.148779208	2.725912637	0.006412397	0.072610758	stk24a	ZDB-GENE-070424-52	stk24a
ENSDARG00000075687	39.34045166	-0.529933294	0.19441957	-2.725719921	0.006416142	0.072613484	anapc1	ZDB-GENE-081107-12	anapc1
ENSDARG00000070625	71.76494254	0.360621484	0.132361318	2.724523222	0.00643944	0.07283738	enpp5	ZDB-GENE-041014-10	enpp5
ENSDARG00000071462	124.523745	0.504715986	0.185304355	2.723713568	0.006455246	0.072976332	lama3	ZDB-GENE-050208-475	lama3
ENSDARG00000091836	67.91181988	0.46975247	0.172481064	2.723501688	0.006459389	0.072977512	cas7	ZDB-GENE-050522-506	cas7
ENSDARG00000056798	54.052259	0.697385146	0.256076397	2.723348013	0.006462394	0.072977512	zgc:123297	ZDB-GENE-051127-9	zgc:123297

ENSDARG00000074298	36.34291759	0.4470159	0.164179764	2.722722268	0.006474646	0.073076046	znf1015	ZDB-GENE-050913-139	znf1015
ENSDARG00000029944	9.07933583	-1.013737922	0.372350426	-2.722537296	0.006478272	0.073077166	parppb	ZDB-GENE-060421-5714	parppb
ENSDARG00000086685	94.94352214	-0.420305101	0.154396438	-2.722246092	0.006483984	0.073101802	trim63b	ZDB-GENE-040426-1003	trim63b
ENSDARG00000000161	44.36567447	0.476737177	0.175175375	2.721485128	0.006498931	0.073230477	itsn2a	ZDB-GENE-041014-84	itsn2a
ENSDARG00000012355	66.89634455	0.568087053	0.208759575	2.721250284	0.00650355	0.073242698	galnt8a.1	ZDB-GENE-091015-4	galnt8a.1
ENSDARG00000060392	80.55660864	-0.287581663	0.105696632	-2.720821438	0.006511993	0.073297942	ash2l	ZDB-GENE-030131-494	ash2l
ENSDARG00000023768	18.85506797	0.612031573	0.225006659	2.720059826	0.006527011	0.073427098	mfsd4aa	ZDB-GENE-040426-1643	mfsd4aa
ENSDARG00000092718	10.10199239	0.818183936	0.3008445	2.719624047	0.006535618	0.073484803	gbgt1l2	ZDB-GENE-060531-71	gbgt1l2
ENSDARG00000007523	152.6788093	0.342446865	0.126010831	2.717598653	0.006575755	0.07386673	kmt2e	ZDB-GENE-030131-4120	kmt2e
ENSDARG00000096554	42.6588217	-0.605850044	0.222940053	-2.717546872	0.006576784	0.07386673	si:dkey-25o16.4	ZDB-GENE-030131-969	si:dkey-25o16.4
ENSDARG00000037158	48.35020535	-0.639686443	0.235455786	-2.716800695	0.006591629	0.073943498	rcc1	ZDB-GENE-040426-2216	rcc1
ENSDARG00000030110	47.98595101	0.498257602	0.183403678	2.716726339	0.00659311	0.073943498	myod1	ZDB-GENE-980526-561	myod1
ENSDARG00000012044	34.30155676	-0.571869038	0.21050404	-2.716665376	0.006594324	0.073943498	polr3gla	ZDB-GENE-040912-67	polr3gla
ENSDARG00000037917	88.20557773	0.39900144	0.146882407	2.716468555	0.006598246	0.073945297	itga3a	ZDB-GENE-090805-3	itga3a
ENSDARG00000105630	35.94440774	1.1059725	0.407161506	2.716299268	0.006601621	0.073945297	alpk3b	ZDB-GENE-121101-3	alpk3b
ENSDARG00000044204	408.5630239	0.596779169	0.219720322	2.716085445	0.006605887	0.073953098	endou	ZDB-GENE-070112-2012	endou
ENSDARG00000052673	216.4868417	0.203104058	0.074795817	2.715446758	0.006618642	0.074055883	sept7b	ZDB-GENE-030131-37	sept7b
ENSDARG00000060668	32.31206977	0.465321271	0.171379759	2.715147192	0.006624632	0.074082905	tm4sf18	ZDB-GENE-050208-690	tm4sf18
ENSDARG00000079378	120.5807471	-0.33043138	0.121720633	-2.714670246	0.006634179	0.074149655	phldb1b	ZDB-GENE-121114-8	phldb1b
ENSDARG00000052536	142.654189	-0.320620074	0.118133991	-2.714037426	0.006646866	0.074251402	tia1	ZDB-GENE-030131-1506	tia1
ENSDARG00000101707	29.95184956	-0.69011405	0.254387755	-2.712843036	0.00667087	0.074423572	si:ch211-156b7.4	ZDB-GENE-141212-376	si:ch211-156b7.4
ENSDARG00000078238	13.57343185	0.641517985	0.236475271	2.712833277	0.006671066	0.074423572	nacc1b	ZDB-GENE-121212-1	nacc1b
ENSDARG00000043102	153.7099293	0.576665958	0.21259812	2.712469689	0.006678389	0.074423572	lxn	ZDB-GENE-041212-18	lxn
ENSDARG00000036069	33.31876687	-0.53663605	0.197844273	-2.712416398	0.006679463	0.074423572	ddx39b	ZDB-GENE-040426-1259	ddx39b
ENSDARG00000096927	1.071004791	2.97401739	1.09653406	2.712197914	0.006683867	0.074423572	si:ch211-210b2.3	ZDB-GENE-131122-13	si:ch211-210b2.3
ENSDARG00000074750	111.2084875	0.283093259	0.104387357	2.711949667	0.006688875	0.074423572	qser1	ZDB-GENE-030131-2978	qser1
ENSDARG00000074634	61.43886	0.436949892	0.161137021	2.711666688	0.006694587	0.074423572	keap1b	ZDB-GENE-080508-1	keap1b
ENSDARG00000061896	168.2407073	-0.601239986	0.221727331	-2.711618745	0.006695555	0.074423572	slco2a1	ZDB-GENE-060606-3	slco2a1
ENSDARG00000010641	905.053016	-0.396064998	0.146068371	-2.71150418	0.00669787	0.074423572	slc20a1b	ZDB-GENE-030131-260	slc20a1b
ENSDARG00000074120	83.14815919	-0.506296491	0.186722737	-2.711488159	0.006698193	0.074423572	usp2b	ZDB-GENE-100208-2	usp2b
ENSDARG00000005254	472.6626159	-0.379689035	0.140077102	-2.710571754	0.006716731	0.074589554	kdelr2a	ZDB-GENE-030826-32	kdelr2a
ENSDARG00000043182	23.29443898	-0.704769703	0.260052097	-2.710109675	0.006726096	0.074653545	hhla2a.1	ZDB-GENE-050327-45	hhla2a.1
ENSDARG00000044492	7.675035561	-0.972493106	0.358876175	-2.709829106	0.006731788	0.074676722	ublcp1	ZDB-GENE-040718-3	ublcp1
ENSDARG00000043976	522.5210773	-0.36683432	0.135397529	-2.709313252	0.006742265	0.074730848	etf1b	ZDB-GENE-021029-1	etf1b
ENSDARG00000099116	97.24771806	0.377825637	0.139458485	2.70923378	0.00674388	0.074730848	nagk	ZDB-GENE-070928-19	nagk
ENSDARG00000101160	870.8342513	-0.696693945	0.257322217	-2.707476846	0.00677968	0.075039549	apoa4a	ZDB-GENE-050417-469	apoa4a
ENSDARG00000027495	1.052962738	-2.820056933	1.041605939	-2.707412495	0.006780994	0.075039549	elovl4b	ZDB-GENE-030131-7672	elovl4b
ENSDARG00000102665	8.578974299	0.758337427	0.280104885	2.707333819	0.006782602	0.075039549	CABZ01033180.1		
ENSDARG00000044550	36.05045839	-0.73429329	0.271285744	-2.706715356	0.006795249	0.075139357	hif1al2	ZDB-GENE-050211-2	hif1al2
ENSDARG00000056138	708.6531073	0.25131015	0.092859993	2.706333937	0.00680306	0.075185603	sf3b1	ZDB-GENE-040827-3	sf3b1
ENSDARG00000058503	10.79870197	0.761316046	0.281364223	2.705802603	0.006813954	0.075265856	flt3	ZDB-GENE-050114-4	flt3
ENSDARG00000062402	52.62023807	0.559757521	0.206899829	2.705451833	0.006821154	0.075305249	frem1b	ZDB-GENE-050208-783	frem1b
ENSDARG00000076386	498.1557619	0.414015099	0.153058742	2.704942515	0.006831621	0.075380645	epdl1	ZDB-GENE-090710-3	epdl1
ENSDARG00000069920	78.03966524	-0.417474222	0.154390533	-2.704014392	0.006850732	0.075529096	cox17	ZDB-GENE-040912-91	cox17
ENSDARG00000003750	67.65109241	-0.368881036	0.13642377	-2.703935221	0.006852365	0.075529096	pfas	ZDB-GENE-030131-4420	pfas
ENSDARG00000039459	246.6290034	0.427862421	0.158267262	2.703417083	0.006863057	0.075569898	qsox1	ZDB-GENE-030131-7019	qsox1

ENSDARG00000086445	3.600966208	-1.570468461	0.580943356	-2.70330738	0.006865323	0.075569898	adgrf7	ZDB-GENE-041001-214	adgrf7
ENSDARG00000013576	9.022268118	-0.874391952	0.323462411	-2.703225849	0.006867007	0.075569898	gadd45bb	ZDB-GENE-050223-1	gadd45bb
ENSDARG00000055678	615.4673822	0.301926449	0.111731053	2.702260833	0.006886971	0.07570865	akap12b	ZDB-GENE-030131-9753	akap12b
ENSDARG000000104034	21.56236765	-0.877444713	0.324724377	-2.702121473	0.006889859	0.07570865	arid3b	ZDB-GENE-070209-182	arid3b
ENSDARG00000042796	88.64776709	0.279743158	0.103531796	2.702002372	0.006892327	0.07570865	yy1a	ZDB-GENE-030131-1117	yy1a
ENSDARG00000001857	184.601249	-0.331759573	0.122792026	-2.701800636	0.00689651	0.07570865	aff4	ZDB-GENE-100910-5	aff4
ENSDARG00000000966	525.5635751	0.249268525	0.092262407	2.701734449	0.006897883	0.07570865	ncor2	ZDB-GENE-030616-81	ncor2
ENSDARG000000102159	1.016868565	2.681317521	0.99280647	2.700745415	0.006918427	0.0758825	ly6m6	ZDB-GENE-131127-630	ly6m6
ENSDARG00000038422	54.32177312	-0.627941489	0.23251757	-2.70061952	0.006921046	0.0758825	entpd4	ZDB-GENE-040718-116	entpd4
ENSDARG00000076155	25.25773782	-0.526165571	0.194921994	-2.699364806	0.006947198	0.076097119	mtppap	ZDB-GENE-101208-3	mtppap
ENSDARG00000057093	315.7771408	0.190564452	0.070596997	2.69932801	0.006947966	0.076097119	kdm5ba	ZDB-GENE-030131-5379	kdm5ba
ENSDARG00000022430	90.5997769	-0.302054887	0.11195147	-2.698087728	0.006973906	0.076340877	ppp1r8b	ZDB-GENE-040426-1271	ppp1r8b
ENSDARG00000090900	109.6971046	-0.909283441	0.337065834	-2.697643458	0.006983219	0.076402461	apnl	ZDB-GENE-030131-8907	apnl
ENSDARG00000032997	58.63346916	0.41797213	0.154963659	2.697226768	0.006991964	0.07645777	rnf185	ZDB-GENE-040426-1977	rnf185
ENSDARG00000099445	65.98265458	0.329942738	0.122353465	2.696635833	0.007004382	0.076522434	cc2d1b	ZDB-GENE-030131-1426	cc2d1b
ENSDARG00000096110	75.26534518	0.47078036	0.174591083	2.696474253	0.007007781	0.076522434	zgc:123278	ZDB-GENE-051127-21	zgc:123278
ENSDARG00000060006	257.1673001	0.352088967	0.130576636	2.696416278	0.007009001	0.076522434	nedd4l	ZDB-GENE-051118-2	nedd4l
ENSDARG00000004517	65.7742426	-0.450477419	0.167081408	-2.696155274	0.007014496	0.076522434	ppat	ZDB-GENE-041210-323	ppat
ENSDARG00000088911	58.20286866	0.641204486	0.237835266	2.696002554	0.007017713	0.076522434	cbnl17	ZDB-GENE-111109-4	cbnl17
ENSDARG00000092240	70.10659343	0.40082535	0.148680026	2.695892388	0.007020034	0.076522434	si:ch211-243a20.3		
ENSDARG00000028131	23.9983871	-0.509409092	0.188990332	-2.695424083	0.00702991	0.076589792	hccsa.1	ZDB-GENE-040718-202	hccsa.1
ENSDARG00000095453	8.638203809	1.030975549	0.382526558	2.69517378	0.007035193	0.076607077	si:rp71-17i16.6	ZDB-GENE-090313-410	si:rp71-17i16.6
ENSDARG00000076913	8.306156206	-0.991263437	0.367916391	-2.694262778	0.007054452	0.076753565	eme1	ZDB-GENE-030131-3191	eme1
ENSDARG00000086057	33.37372386	0.671964544	0.249441133	2.69388026	0.007062553	0.076753565	plxnd1	ZDB-GENE-040426-1828	plxnd1
ENSDARG00000088082	16.98874144	0.721515204	0.267854928	2.693679032	0.007066818	0.076753565	si:ch211-214c20.1	ZDB-GENE-081103-49	si:ch211-214c20.1
ENSDARG000000105241	11.29042039	0.955724082	0.354820291	2.693544047	0.00706968	0.076753565	btr26	ZDB-GENE-070705-378	btr26
ENSDARG00000042980	132.1570314	0.582396056	0.216235601	2.693340288	0.007074003	0.076753565	cyp2p7	ZDB-GENE-041001-155	cyp2p7
ENSDARG00000059054	263.9016056	-0.712006596	0.264358598	-2.693336249	0.007074089	0.076753565	pdk2b	ZDB-GENE-040426-939	pdk2b
ENSDARG00000011945	81.10987961	-0.409502154	0.152048615	-2.693231721	0.007076307	0.076753565	slc35e1	ZDB-GENE-040426-2033	slc35e1
ENSDARG000000105816	12.12723211	0.682681933	0.253489314	2.693138901	0.007078277	0.076753565	BX855614.4		
ENSDARG00000040990	44.31362553	-0.507336655	0.188400605	-2.692861067	0.007084178	0.076777375	usp37	ZDB-GENE-061013-802	usp37
ENSDARG00000011801	7.32686761	-0.92014742	0.341753323	-2.692431524	0.00709331	0.07678108	wars2	ZDB-GENE-050306-26	wars2
ENSDARG000000116806	229.9759762	-0.503020002	0.186829008	-2.692408456	0.007093801	0.07678108	CU693479.1		
ENSDARG00000099547	142.3768366	0.345670432	0.128391183	2.692322195	0.007095636	0.07678108	nbeal1	ZDB-GENE-130530-544	nbeal1
ENSDARG00000039429	376.4617363	-0.354220507	0.131576211	-2.69213183	0.007099688	0.076784825	adka	ZDB-GENE-030425-3	adka
ENSDARG00000098247	9.477562577	-0.862035563	0.32026772	-2.691609263	0.00711082	0.07686511	det1	ZDB-GENE-030131-2809	det1
ENSDARG00000006683	116.0721896	0.301692806	0.112148492	2.690119145	0.007142651	0.077168936	arhgef6	ZDB-GENE-101013-2	arhgef6
ENSDARG000000103586	14.34007841	0.915566581	0.340473744	2.689095994	0.007164581	0.077365531	si:dkey-65j6.2	ZDB-GENE-090313-319	si:dkey-65j6.2
ENSDARG00000099186	328.5625827	-0.326501352	0.121474334	-2.687821706	0.007191979	0.077620928	slc1a5	ZDB-GENE-070501-4	slc1a5
ENSDARG00000092667	12.87327098	0.795120112	0.295970968	2.68648009	0.007220925	0.07789277	si:ch211-271e10.2	ZDB-GENE-060526-146	si:ch211-271e10.2
ENSDARG00000031768	75.12804862	0.434256437	0.161672565	2.686024288	0.007230783	0.077918003	rora	ZDB-GENE-060306-2	rora
ENSDARG00000078757	654.204944	0.568580896	0.211681224	2.686024221	0.007230785	0.077918003	si:ch211-212c13.8	ZDB-GENE-131118-28	si:ch211-212c13.8
ENSDARG00000059348	11.89072209	0.690085337	0.256935684	2.685829097	0.007235009	0.077922997	rxfp3.3b	ZDB-GENE-121030-6	rxfp3.3b
ENSDARG00000044820	44.07314663	-0.412932722	0.153758482	-2.685593118	0.00724012	0.077937538	cstf1	ZDB-GENE-030131-2958	cstf1
ENSDARG00000026801	1290.873185	0.232103286	0.086438861	2.68517289	0.00724923	0.077995086	stau2	ZDB-GENE-040426-687	stau2
ENSDARG00000003776	109.5084174	0.249312092	0.092876618	2.684336451	0.007267393	0.078135022	pip4k2aa	ZDB-GENE-080721-18	pip4k2aa

ENSDARG00000057286	41.75978436	0.371346776	0.138344038	2.6842268	0.007269777	0.078135022	swap70b	ZDB-GENE-030131-3587	swap70b
ENSDARG00000003217	90.51919094	-0.482905719	0.179927162	-2.683895599	0.007276983	0.078140562	urb2	ZDB-GENE-030131-2621	urb2
ENSDARG00000095462	738.0397916	0.658906655	0.245507412	2.683856467	0.007277834	0.078140562	CELA1 (1 of many)	ZDB-GENE-050208-732	si:key-57c15.4
ENSDARG00000008461	28.23901367	-0.575647934	0.214516223	-2.68347039	0.007286243	0.078164917	anapc5	ZDB-GENE-030131-1574	anapc5
ENSDARG00000088975	20.2399517	0.580235146	0.216234574	2.683359723	0.007288655	0.078164917	si:ch211-14k19.8	ZDB-GENE-051214-4	si:ch211-14k19.8
ENSDARG00000030759	12.71626973	-0.896339877	0.334052208	-2.683232911	0.007291419	0.078164917	melk	ZDB-GENE-990603-5	melk
ENSDARG00000099684	5.805490455	1.189251574	0.44329341	2.682763941	0.007301651	0.078234132	trim35-24	ZDB-GENE-060421-8366	trim35-24
ENSDARG00000093844	4462.054517	-0.892943521	0.332921205	-2.682146731	0.007315137	0.07833812	zgc:136461	ZDB-GENE-060519-7	zgc:136461
ENSDARG00000042850	4.196187534	1.253976269	0.46756809	2.68191157	0.007320281	0.078352716	nphs2	ZDB-GENE-051102-2	nphs2
ENSDARG00000016496	91.73203079	-0.442750709	0.165114828	-2.681471517	0.007329915	0.078415337	cdk8	ZDB-GENE-030903-2	cdk8
ENSDARG00000058297	138.6683955	-0.49627971	0.185089334	-2.681298265	0.007333712	0.078415467	timm13	ZDB-GENE-040718-167	timm13
ENSDARG00000103480	5.668931228	2.164506365	0.807358807	2.680972012	0.007340866	0.078451478	BX640512.3		
ENSDARG00000045675	11.63235493	0.762641394	0.284492486	2.680708389	0.007346651	0.078464298	mdm1	ZDB-GENE-041210-117	mdm1
ENSDARG00000055270	36.7755383	0.393099891	0.146647747	2.680572317	0.007349638	0.078464298	si:ch1073-358c10.1	ZDB-GENE-050309-123	si:ch1073-358c10.1
ENSDARG00000012234	126.5412159	-0.449984669	0.167900525	-2.680067075	0.007360741	0.078542365	psme3	ZDB-GENE-991110-19	psme3
ENSDARG00000103164	2.250020557	-1.590256468	0.593404229	-2.679887317	0.007364695	0.078544109	zgc:194948	ZDB-GENE-081022-167	zgc:194948
ENSDARG00000039900	32.29668449	0.50386746	0.188188789	2.677457373	0.007418329	0.07907542	si:ch73-168d20.1	ZDB-GENE-121214-44	si:ch73-168d20.1
ENSDARG00000040864	27.18030047	0.539973944	0.201719401	2.676856768	0.00743164	0.079169479	si:dkey-286j15.1	ZDB-GENE-060503-447	si:dkey-286j15.1
ENSDARG00000099846	19.72387324	0.561019998	0.209592761	2.676714571	0.007434794	0.079169479	si:ch211-154o6.3	ZDB-GENE-030131-1030	si:ch211-154o6.3
ENSDARG00000057529	26.03775427	-0.625863491	0.234055436	-2.673996822	0.007495316	0.079739026	itpa	ZDB-GENE-070705-218	itpa
ENSDARG00000043180	1231.154036	-0.405530838	0.151658863	-2.673967284	0.007495976	0.079739026	gpd1b	ZDB-GENE-030131-3906	gpd1b
ENSDARG00000043581	40.57728602	0.706065119	0.264091471	2.673562752	0.007505023	0.079770212	gadd45aa	ZDB-GENE-040426-1501	gadd45aa
ENSDARG00000067992	1.67242295	2.143490748	0.801791715	2.673376026	0.007509203	0.079770212	si:dkey-31e10.1	ZDB-GENE-060503-356	si:dkey-31e10.1
ENSDARG00000088263	20.04868754	-0.66307176	0.248033066	-2.673320011	0.007510457	0.079770212	zgc:174356	ZDB-GENE-080215-21	zgc:174356
ENSDARG00000014348	128.8468632	0.283724373	0.106175613	2.672217905	0.00753517	0.079972522	stk17b	ZDB-GENE-040426-1499	stk17b
ENSDARG00000037556	66.77492001	-0.362948313	0.13582752	-2.672126493	0.007537223	0.079972522	st3gal5	ZDB-GENE-060322-1	st3gal5
ENSDARG00000044039	17.70331105	-0.596952651	0.223477643	-2.671196295	0.007558143	0.080153452	stx11a	ZDB-GENE-040426-2564	stx11a
ENSDARG00000037872	154.0467273	0.40939037	0.153274125	2.670968576	0.007563273	0.080165703	foxk1	ZDB-GENE-030131-6402	foxk1
ENSDARG00000004169	61.70439471	-0.542017838	0.202942007	-2.670801603	0.007567036	0.080165703	stmn1a	ZDB-GENE-031006-14	stmn1a
ENSDARG00000040566	44.61973229	0.42815593	0.16039601	2.669367713	0.00759942	0.080463243	phykpl	ZDB-GENE-051127-33	phykpl
ENSDARG00000098118	178.7034496	0.35150468	0.131694264	2.669096361	0.007605563	0.080463243	trappc10	ZDB-GENE-131115-1	trappc10
ENSDARG00000007708	1560.198034	0.357399333	0.133907102	2.669009548	0.007607529	0.080463243	nsa2	ZDB-GENE-030131-488	nsa2
ENSDARG00000103118	55.39918096	0.61385513	0.230005491	2.668871629	0.007610653	0.080463243	cib1	ZDB-GENE-050417-170	cib1
ENSDARG00000032010	606.6516284	0.552437884	0.207078517	2.667770139	0.007635648	0.08068633	slc15a2	ZDB-GENE-030131-5866	slc15a2
ENSDARG00000007065	72.33419338	-0.395486309	0.148268405	-2.667367398	0.007644805	0.080741921	mrps18b	ZDB-GENE-050417-278	mrps18b
ENSDARG00000001729	247.9835275	-0.235302412	0.088225745	-2.667049319	0.007652044	0.08074888	strn3	ZDB-GENE-030616-405	strn3
ENSDARG00000104834	10.60343488	0.691835543	0.259408974	2.666968424	0.007653886	0.08074888	ANO7	ZDB-GENE-131125-81	si:dkey-83h2.5
ENSDARG00000075263	52.25219998	-0.754338239	0.28286005	-2.666824956	0.007657154	0.08074888	ankrd1a	ZDB-GENE-100405-1	ankrd1a
ENSDARG00000101222	2.743515713	-1.591018169	0.596661846	-2.666532442	0.007663821	0.080778076	oscp1a	ZDB-GENE-080204-2	oscp1a
ENSDARG00000059029	4.678254424	-1.069520998	0.401240546	-2.665535697	0.007686577	0.080976741	mmp28	ZDB-GENE-100226-1	mmp28
ENSDARG00000055314	65.14123147	-0.441799111	0.165784201	-2.664904786	0.007701012	0.081068152	mcmbp	ZDB-GENE-030131-9676	mcmbp
ENSDARG00000004574	15.9924106	-0.660154423	0.247729966	-2.664814572	0.007703078	0.081068152	gtf3c2	ZDB-GENE-041014-349	gtf3c2
ENSDARG00000100635	13992.16604	0.682228748	0.256041202	2.664527208	0.007709663	0.08108048	chia.1	ZDB-GENE-040426-1994	chia.1
ENSDARG00000114063	285.1826125	0.563705182	0.211569228	2.664400616	0.007712565	0.08108048	parm1	ZDB-GENE-140106-262	parm1
ENSDARG00000113961	6.290521894	-1.08176959	0.406062097	-2.664049658	0.007720616	0.08108048	nudt15	ZDB-GENE-040625-95	nudt15
ENSDARG00000076299	103.9045589	0.385508214	0.144708375	2.664035261	0.007720947	0.08108048	FQ323119.1		

ENSDARG00000012563	34.93426785	-0.674277874	0.25314319	-2.663622411	0.007730428	0.08108048	pdss2	ZDB-GENE-040718-43	pdss2
ENSDARG00000078535	16.31085226	0.617171859	0.231711942	2.663530644	0.007732537	0.08108048	lrrcc1	ZDB-GENE-041111-207	lrrcc1
ENSDARG00000079167	70.64168452	0.350741059	0.13168371	2.663511376	0.00773298	0.08108048	si:ch211-230g15.5	ZDB-GENE-091204-280	si:ch211-230g15.5
ENSDARG00000077620	60.7239628	-0.656483647	0.246483358	-2.663399479	0.007735552	0.08108048	cdca7a	ZDB-GENE-050417-29	cdca7a
ENSDARG00000043046	90.92021853	0.304226691	0.11423563	2.663150631	0.007741275	0.081099447	fbxl5	ZDB-GENE-030131-900	fbxl5
ENSDARG00000041223	18.13107977	-0.597067623	0.224249647	-2.662513104	0.007755955	0.081212177	fam173a	ZDB-GENE-040625-59	fam173a
ENSDARG00000087346	50.99510493	-0.476912359	0.179151788	-2.662057488	0.007766461	0.081281117	rap1ab	ZDB-GENE-040426-2738	rap1ab
ENSDARG00000055426	16.78755021	-0.568417	0.213575574	-2.661432616	0.007780891	0.081361163	rwdd2b	ZDB-GENE-041001-119	rwdd2b
ENSDARG00000061024	36.32068834	-0.461456303	0.17338945	-2.661386276	0.007781962	0.081361163	rabggt	ZDB-GENE-060929-1042	rabggt
ENSDARG000000102555	338.8471263	0.318156501	0.119570713	2.660822983	0.007794993	0.081456297	si:dkey-33i11.9	ZDB-GENE-060503-262	si:dkey-33i11.9
ENSDARG00000002031	37.28681014	-0.522925375	0.19658532	-2.660042846	0.007813071	0.081640463	tox4a	ZDB-GENE-070912-576	tox4a
ENSDARG00000020979	35.42852129	-0.577225127	0.217023038	-2.659741249	0.00782007	0.081636019	ripor3	ZDB-GENE-050220-13	ripor3
ENSDARG00000068460	22.22811559	0.666795355	0.250743156	2.659276394	0.007830869	0.081707589	otog	ZDB-GENE-120228-1	otog
ENSDARG00000070214	328.4396724	-0.500518886	0.188250869	-2.658786587	0.007842262	0.081785282	slc41a1	ZDB-GENE-030131-4700	slc41a1
ENSDARG00000074540	3.917507087	-1.304642102	0.490962645	-2.65731439	0.007876595	0.082082323	gpr63	ZDB-GENE-110411-183	gpr63
ENSDARG00000015111	174.254451	-0.448601937	0.168833762	-2.657062968	0.007882472	0.082082323	ddx39ab	ZDB-GENE-040426-2902	ddx39ab
ENSDARG00000061989	14.41911645	0.594843251	0.223873034	2.657056278	0.007882628	0.082082323	mpnd	ZDB-GENE-060929-1162	mpnd
ENSDARG00000031046	45.81109745	0.543394698	0.204536851	2.656708048	0.007890775	0.082125882	nr1h5	ZDB-GENE-080403-3	nr1h5
ENSDARG000000109310	2.27210296	1.886387051	0.710134489	2.656379998	0.007898456	0.082164557	im:7150988	ZDB-GENE-050309-169	im:7150988
ENSDARG00000056427	110.4850024	0.408702732	0.153942503	2.654905071	0.007933073	0.082470023	auts2a	ZDB-GENE-030616-571	auts2a
ENSDARG00000002917	35.87938028	-0.550052658	0.207192531	-2.654789993	0.00793578	0.082470023	gls2b	ZDB-GENE-050208-408	gls2b
ENSDARG00000087697	924.6478031	-0.478593159	0.180401375	-2.652935209	0.007979519	0.082883	lpl	ZDB-GENE-990415-139	lpl
ENSDARG00000016706	176.044119	-0.419865755	0.15830891	-2.652192824	0.007997086	0.083023853	atic	ZDB-GENE-011212-4	atic
ENSDARG00000087752	11.46825498	-0.955535382	0.360355745	-2.651644648	0.008010079	0.083117109	rfwd3	ZDB-GENE-120529-1	rfwd3
ENSDARG00000078178	152.2771604	0.55622299	0.209786262	2.651379483	0.008016372	0.083140767	art4	ZDB-GENE-070725-5	art4
ENSDARG00000004130	16.37020186	-1.106060715	0.417273806	-2.650683312	0.008032912	0.083270639	mvk	ZDB-GENE-041114-37	mvk
ENSDARG00000094489	21.38205874	1.392341796	0.525391831	2.650101724	0.008046754	0.083355342	si:dkey-58f10.6	ZDB-GENE-060526-320	si:dkey-58f10.6
ENSDARG00000058603	290.7036377	0.512156984	0.193266637	2.650002043	0.008049128	0.083355342	jph1a	ZDB-GENE-040724-233	jph1a
ENSDARG00000077943	20.73095949	-0.708453766	0.267385071	-2.649563659	0.008059579	0.083421873	ints5	ZDB-GENE-090908-2	ints5
ENSDARG00000042308	45.57311535	0.384761544	0.145293857	2.64816112	0.008093094	0.08372696	arhgef18b	ZDB-GENE-070705-462	arhgef18b
ENSDARG00000018923	162.2243706	-0.457524318	0.172848659	-2.646964814	0.00812178	0.083981802	fat2	ZDB-GENE-111031-1	fat2
ENSDARG00000099458	137.0268394	0.27661221	0.104522916	2.646426455	0.008134719	0.084069853	ddx46	ZDB-GENE-030131-667	ddx46
ENSDARG00000017314	39392.55521	0.60590798	0.228966539	2.646273041	0.00813841	0.084069853	CELA1 (1 of many)	ZDB-GENE-040808-55	zgc:92041
ENSDARG00000074337	35.45160072	0.462735329	0.174951073	2.644941357	0.008170508	0.084337344	cbfa2t2	ZDB-GENE-070209-1	cbfa2t2
ENSDARG00000059857	16.37831098	-0.607864904	0.229828663	-2.644861163	0.008172444	0.084337344	blvra	ZDB-GENE-060929-312	blvra
ENSDARG00000052334	159.8099138	-0.311750645	0.11790769	-2.644023003	0.008192709	0.084504386	ociad1	ZDB-GENE-040426-1100	ociad1
ENSDARG00000015575	370.1845626	0.381948943	0.144493093	2.643371624	0.008208489	0.084625026	cyp3c1	ZDB-GENE-030131-3060	cyp3c1
ENSDARG00000061185	37.55758131	0.39865145	0.150843463	2.642815544	0.008221981	0.084683829	nat15	ZDB-GENE-041111-143	nat15
ENSDARG00000010445	86.10908731	-0.420103582	0.158961566	-2.642799714	0.008222366	0.084683829	trabd	ZDB-GENE-030131-1301	trabd
ENSDARG00000001870	2691.299156	0.477207526	0.18081339	2.639226698	0.008309539	0.085520598	atp1a1a.4	ZDB-GENE-001212-4	atp1a1a.4
ENSDARG000000102145	7.204450791	-0.814000424	0.308434927	-2.639131803	0.008311866	0.085520598	ccdc77	ZDB-GENE-050913-54	ccdc77
ENSDARG00000038153	3141.938826	0.427492018	0.161996913	2.638889899	0.008317799	0.085539172	lgals2b	ZDB-GENE-040426-1590	lgals2b
ENSDARG00000006849	6.476635129	1.029788142	0.390305105	2.638418326	0.008329376	0.085615741	asic2	ZDB-GENE-040513-4	asic2
ENSDARG00000007723	48.85890695	0.417157281	0.158166513	2.637456398	0.008353036	0.08581637	efnb1	ZDB-GENE-010618-2	efnb1
ENSDARG00000074756	103.340045	-0.316670883	0.120086045	-2.637033158	0.008363466	0.085880939	tfb2m	ZDB-GENE-070521-3	tfb2m
ENSDARG000000104353	268.9628975	-0.418399677	0.158678045	-2.636783666	0.008369619	0.085901557	nop58	ZDB-GENE-040426-2140	nop58

ENSDARG00000061108	216.3366089	0.281151729	0.106633915	2.636607017	0.008373978	0.08590375	ep300b	ZDB-GENE-080403-15	ep300b
ENSDARG00000091912	6.465235154	1.83277269	0.695319331	2.635871905	0.008392141	0.08603265	si:ch211-15j1.5	ZDB-GENE-081031-11	si:ch211-15j1.5
ENSDARG00000074148	27.57621001	0.610158206	0.231492105	2.635762485	0.008394847	0.08603265	rbpjl	ZDB-GENE-050307-4	rbpjl
ENSDARG00000043173	1996.667125	0.679871154	0.258092581	2.63421425	0.008433225	0.086383242	CELA1 (1 of many)	ZDB-GENE-040801-12	zgc:92745
ENSDARG00000099124	13.66770688	-0.771563637	0.292928616	-2.633964708	0.008439426	0.086396032	f3a	ZDB-GENE-071119-5	f3a
ENSDARG00000036058	38.72445513	0.602004153	0.228566195	2.633828476	0.008442813	0.086396032	gnao1b	ZDB-GENE-040426-1693	gnao1b
ENSDARG00000010794	277.6055856	0.395712063	0.150255271	2.633598549	0.008448531	0.086405679	tfeb	ZDB-GENE-090807-3	tfeb
ENSDARG00000057414	409.7156427	-0.429970074	0.16327562	-2.633400349	0.008453464	0.086405679	phb	ZDB-GENE-030131-6577	phb
ENSDARG00000099825	12.17943224	0.69926031	0.265546477	2.633287845	0.008456265	0.086405679	zgc:174944	ZDB-GENE-080207-2	zgc:174944
ENSDARG00000116593	4.946214766	1.013407142	0.384899823	2.632911423	0.008465642	0.086449161	BX323022.1		
ENSDARG00000022614	2.649331386	-2.403460107	0.912897434	-2.632782191	0.008468864	0.086449161	ddx43	ZDB-GENE-080204-77	ddx43
ENSDARG00000102805	339.3723093	0.569255826	0.216275918	2.632081423	0.008486352	0.086585027	cyp2aa12	ZDB-GENE-071004-47	cyp2aa12
ENSDARG00000042344	26.14367021	-0.614375636	0.233464614	-2.631557846	0.00849944	0.086630738	trmt6	ZDB-GENE-051120-141	trmt6
ENSDARG00000046141	18.57341994	-0.578950575	0.220021912	-2.63133144	0.008505105	0.086630738	zgc:162025	ZDB-GENE-070424-17	zgc:162025
ENSDARG00000021250	53.92396603	-0.891620826	0.338872982	-2.631135774	0.008510003	0.086630738	slc25a48	ZDB-GENE-040718-60	slc25a48
ENSDARG00000105438	11.69292516	0.894911048	0.340125919	2.631116884	0.008510476	0.086630738	si:ch1073-220m6.1	ZDB-GENE-160113-85	si:ch1073-220m6.1
ENSDARG00000015422	58.10846312	0.469553134	0.178464937	2.631066596	0.008511736	0.086630738	ppil1	ZDB-GENE-051009-1	ppil1
ENSDARG00000105287	1340.051307	-0.417823964	0.158836749	-2.630524532	0.008525322	0.086726419	mpp1	ZDB-GENE-031113-4	mpp1
ENSDARG00000057987	47.72649197	-0.397627356	0.151209884	-2.62963866	0.008547567	0.086843752	uba3	ZDB-GENE-040426-2825	uba3
ENSDARG00000040534	442.5963827	-0.456429034	0.173572804	-2.629611453	0.008548251	0.086843752	epcam	ZDB-GENE-040426-2209	epcam
ENSDARG00000054442	31.26321429	0.490571806	0.186566865	2.629469101	0.00855183	0.086843752	cbx1b	ZDB-GENE-040625-68	cbx1b
ENSDARG00000101055	10.18017549	0.954683448	0.363080619	2.629397981	0.008553619	0.086843752	trim35-25	ZDB-GENE-060503-484	trim35-25
ENSDARG00000080009	143.4730642	0.353944547	0.134640865	2.62880477	0.008568554	0.086944566	bahcc1b	ZDB-GENE-100716-2	bahcc1b
ENSDARG00000090988	33.0268053	-0.54580922	0.207636996	-2.628670379	0.00857194	0.086944566	larsa	ZDB-GENE-110411-16	larsa
ENSDARG00000054823	104.09892	-0.361109251	0.137411714	-2.627936435	0.008590457	0.087077025	id3	ZDB-GENE-020515-1	id3
ENSDARG00000055092	132.8066616	-0.26547873	0.101028527	-2.627760064	0.008594912	0.087077025	pora	ZDB-GENE-050809-121	pora
ENSDARG00000078026	225.8220399	0.277597057	0.105644471	2.627653424	0.008597606	0.087077025	zcchc24	ZDB-GENE-030131-3573	zcchc24
ENSDARG00000039880	51.17802644	-0.408761351	0.155578623	-2.627361923	0.008604976	0.087109089	arpp19b	ZDB-GENE-040426-930	arpp19b
ENSDARG00000090977	6.545439606	0.990824017	0.377170522	2.626992192	0.008614331	0.087139213	ifit12	ZDB-GENE-120406-2	ifit12
ENSDARG00000076839	3.928551988	-1.487111359	0.566106275	-2.626911989	0.008616362	0.087139213	ftr86	ZDB-GENE-060929-108	ftr86
ENSDARG00000026387	6.100669409	0.921783874	0.350938956	2.626621691	0.008623715	0.087171036	pip4p1b		
ENSDARG00000036158	37.84964811	-0.522943893	0.19911612	-2.626326253	0.008631204	0.087195044	nudcd1	ZDB-GENE-050522-483	nudcd1
ENSDARG00000033231	1.74240993	-6.406970698	2.439639111	-2.626196092	0.008634506	0.087195044	mcm6l	ZDB-GENE-050913-141	mcm6l
ENSDARG00000102407	13.35557804	-0.714518422	0.272115107	-2.625794759	0.008644693	0.087254592	cep97	ZDB-GENE-031030-11	cep97
ENSDARG00000051710	46.77443332	0.405724444	0.154524483	2.625632104	0.008648824	0.087254592	CR339041.1		
ENSDARG00000043821	170.2621356	0.340156586	0.12962251	2.624209221	0.008685042	0.08757734	klf7b	ZDB-GENE-041014-171	klf7b
ENSDARG00000076829	83.29784587	0.390584923	0.148878066	2.623522274	0.008702575	0.087711463	ankib1b	ZDB-GENE-100920-6	ankib1b
ENSDARG00000055493	230.8677816	0.258980185	0.098721308	2.623346367	0.00870707	0.087712325	hic1	ZDB-GENE-040713-2	hic1
ENSDARG00000062430	106.0320338	-0.427819716	0.163092583	-2.623170893	0.008711556	0.087712325	gpd2	ZDB-GENE-030131-4869	gpd2
ENSDARG00000058329	12.83112715	0.918509735	0.350172307	2.623022197	0.008715359	0.087712325	btr21	ZDB-GENE-081031-80	btr21
ENSDARG00000067990	31399.17544	-1.636453727	0.624138282	-2.621940961	0.008743058	0.087948368	myhz1.1	ZDB-GENE-000322-5	myhz1.1
ENSDARG00000104542	23.7412033	0.505079785	0.192862105	2.618864841	0.008822289	0.088678668	ppt2	ZDB-GENE-010430-4	ppt2
ENSDARG00000099137	381.3154767	0.352198107	0.134488852	2.618790336	0.008824216	0.088678668	BX663503.3		
ENSDARG00000053068	732.0733712	-0.502309018	0.191882084	-2.61780051	0.008849853	0.088891065	cyp8b1	ZDB-GENE-040808-53	cyp8b1
ENSDARG00000027112	55.83913579	0.378184357	0.144475132	2.617643278	0.008853931	0.088891065	ephb4b	ZDB-GENE-990415-65	ephb4b
ENSDARG00000114142	5.901695651	0.86447951	0.330419332	2.616310321	0.008888573	0.089183626	si:dkeyp-4f2.1	ZDB-GENE-081103-33	si:dkeyp-4f2.1

ENSDARG00000056075	540.606894	0.313499013	0.119830321	2.616191056	0.008891679	0.089183626	rca2.1	ZDB-GENE-050320-60	rca2.1
ENSDARG00000099280	165.9364684	-0.354774674	0.135620594	-2.615935122	0.008898346	0.089207321	utp20	ZDB-GENE-080225-38	utp20
ENSDARG00000063375	117.2170949	0.32027501	0.122459473	2.615355115	0.008913473	0.089315757	pter	ZDB-GENE-060825-190	pter
ENSDARG00000011743	49.8586801	-0.475621511	0.181874467	-2.615108761	0.008919905	0.089320795	pigo	ZDB-GENE-091204-80	pigo
ENSDARG00000040427	66.61956517	0.943371028	0.360752952	2.615005705	0.008922597	0.089320795	acot19	ZDB-GENE-041114-124	acot19
ENSDARG00000041022	48.42064792	0.406446088	0.155470811	2.614291949	0.00894126	0.089464406	pdcd4b	ZDB-GENE-030131-9847	pdcd4b
ENSDARG00000079766	58.23057605	0.431831417	0.165211771	2.613805389	0.008954002	0.08952105	tap1	ZDB-GENE-050517-43	tap1
ENSDARG00000002401	43.61278916	-0.600540389	0.229762345	-2.613745911	0.008955561	0.08952105	gale	ZDB-GENE-060421-6479	gale
ENSDARG00000028721	156.3501272	-0.251879415	0.096382825	-2.613322598	0.008966662	0.089564445	mapk14b	ZDB-GENE-021007-1	mapk14b
ENSDARG00000079530	116.7336033	0.370155641	0.141646698	2.613231705	0.008969047	0.089564445	si:dkey-17m8.1	ZDB-GENE-110411-225	si:dkey-17m8.1
ENSDARG00000056481	998.7892414	0.263052519	0.100672498	2.612953142	0.008976361	0.089564445	vat1	ZDB-GENE-030616-178	vat1
ENSDARG00000100353	160.8071323	0.456864765	0.174848253	2.612921536	0.008977191	0.089564445	si:ch1073-398f15.1	ZDB-GENE-141212-388	si:ch1073-398f15.1
ENSDARG00000097496	56.04711334	0.342851983	0.131258832	2.612029805	0.009000641	0.089734147	si:dkey-6e2.2	ZDB-GENE-131121-72	si:dkey-6e2.2
ENSDARG00000020043	54.89687723	-0.392244565	0.150173336	-2.61194547	0.009002861	0.089734147	cnot8	ZDB-GENE-040426-2845	cnot8
ENSDARG00000061549	19.9508715	0.629841584	0.241227161	2.610989502	0.009028067	0.089942113	foxo1b	ZDB-GENE-080425-3	foxo1b
ENSDARG00000032430	248.7595857	-0.343474519	0.131580658	-2.610372413	0.00904437	0.090053691	ppp2r1bb	ZDB-GENE-040927-20	ppp2r1bb
ENSDARG00000070545	454.9998866	-0.382348362	0.146480338	-2.610236753	0.009047958	0.090053691	top1l	ZDB-GENE-060616-217	top1l
ENSDARG00000013670	534.7541897	-0.650922597	0.249390236	-2.610056461	0.009052728	0.090057912	hyou1	ZDB-GENE-030131-5344	hyou1
ENSDARG00000078348	244.5183445	0.263048113	0.100806028	2.609448253	0.009068836	0.090168216	tcf20	ZDB-GENE-110411-97	tcf20
ENSDARG00000101043	649.4205147	-0.476390216	0.182573299	-2.609309346	0.009072519	0.090168216	ppl	ZDB-GENE-041008-196	ppl
ENSDARG00000038635	60.07086891	-0.441096769	0.169080249	-2.608801267	0.009085999	0.090258906	magoh	ZDB-GENE-041216-1	magoh
ENSDARG00000090063	1085.200289	0.431729386	0.16553607	2.608068349	0.009105477	0.090409055	fa2h	ZDB-GENE-031219-4	fa2h
ENSDARG00000052705	30.60759956	-1.321011684	0.506557248	-2.60782308	0.009112004	0.090430526	pkp1b	ZDB-GENE-030131-417	pkp1b
ENSDARG00000018809	102.9492235	-0.39629907	0.152031163	-2.606696296	0.009142041	0.090685192	abhd3	ZDB-GENE-040912-90	abhd3
ENSDARG00000103917	212.0675175	-0.683576369	0.26235803	-2.605509607	0.00917377	0.090913338	znf185	ZDB-GENE-061103-355	znf185
ENSDARG00000114141	19.20808389	-0.959253817	0.368187529	-2.605340328	0.009178304	0.090913338	CABZ01083546.1		
ENSDARG00000090185	550.2663946	0.358502495	0.137606352	2.605275769	0.009180034	0.090913338	si:dkeyp-73b11.8	ZDB-GENE-131120-176	si:dkeyp-73b11.8
ENSDARG00000075110	74.78144106	0.328191198	0.125984051	2.605021801	0.009186841	0.090913338	dab2ipb	ZDB-GENE-030131-2449	dab2ipb
ENSDARG00000102129	0.961335431	2.48715687	0.954759001	2.60501013	0.009187154	0.090913338	crygn1	ZDB-GENE-050225-1	crygn1
ENSDARG00000024090	45.5153284	0.368767178	0.141569276	2.604853172	0.009191364	0.090913338	dnajc4	ZDB-GENE-030131-3093	dnajc4
ENSDARG00000043357	69.14478105	-0.425615832	0.163460964	-2.603776588	0.009220284	0.091155878	tbl2	ZDB-GENE-030131-9012	tbl2
ENSDARG00000070570	17.72742402	-0.54808549	0.210559949	-2.602990233	0.009241459	0.091286648	ppp4ca	ZDB-GENE-030131-4433	ppp4ca
ENSDARG00000023176	338.43088	-0.774790401	0.29765764	-2.602958222	0.009242322	0.091286648	tdo2b	ZDB-GENE-030131-6014	tdo2b
ENSDARG00000007867	269.0056654	0.251571634	0.09667128	2.602340998	0.009258974	0.091369672	dazap2	ZDB-GENE-030131-3036	dazap2
ENSDARG00000039424	47.11038295	-0.512524278	0.196952689	-2.60227104	0.009260863	0.091369672	snrpb2	ZDB-GENE-060616-2	snrpb2
ENSDARG00000078308	94.85422416	0.322276874	0.123849917	2.602156551	0.009263955	0.091369672	spry2	ZDB-GENE-030131-7038	spry2
ENSDARG00000096961	64.5514428	0.49407574	0.189902411	2.601734953	0.009275351	0.091438542	CLIP4	ZDB-GENE-131126-9	si:dkeyp-47f9.4
ENSDARG00000062968	270.1995576	0.189078741	0.072708967	2.600487238	0.009309148	0.091728088	sbf1	ZDB-GENE-040718-139	sbf1
ENSDARG00000071558	135.7566588	0.531392396	0.20436199	2.600250644	0.009315569	0.091745939	fbli1	ZDB-GENE-061013-662	fbli1
ENSDARG00000020953	62.13856971	-0.391214577	0.150461688	-2.600094293	0.009319815	0.091745939	dnajb6b	ZDB-GENE-040426-1122	dnajb6b
ENSDARG00000053362	327.7002714	0.416758332	0.160306404	2.599760965	0.009328872	0.09179149	cilp	ZDB-GENE-050208-76	cilp
ENSDARG00000055809	0.998007212	2.667880387	1.026472141	2.599077247	0.009347474	0.091930872	vtg2	ZDB-GENE-001201-2	vtg2
ENSDARG00000057805	86.45071668	-0.363986323	0.140055678	-2.598868741	0.009353153	0.091936168	mrpl28	ZDB-GENE-050522-113	mrpl28
ENSDARG00000011876	58.86175404	0.338106565	0.130104448	2.598731779	0.009356885	0.091936168	ednraa	ZDB-GENE-010906-2	ednraa
ENSDARG00000035332	36.21449263	-0.44520538	0.171338753	-2.598392783	0.009366129	0.091968671	cfap298	ZDB-GENE-040930-8	cfap298
ENSDARG00000108326	25.17792067	0.66488387	0.255893357	2.598284995	0.00936907	0.091968671	LT631684.1		

ENSDARG00000076324	528.7375216	0.270504628	0.104131143	2.597730338	0.009384216	0.092009731	lmtk2	ZDB-GENE-100812-11	lmtk2
ENSDARG00000077029	33.670035	-0.662459475	0.255033753	-2.597536475	0.009389515	0.092009731	bub1	ZDB-GENE-081104-75	bub1
ENSDARG00000089326	4.454357894	1.081824492	0.416486684	2.597500791	0.00939049	0.092009731	arhgap20	ZDB-GENE-071015-1	arhgap20
ENSDARG00000020866	4886.268136	-0.637529536	0.2454414	-2.597481661	0.009391013	0.092009731	apoa4b.2	ZDB-GENE-030131-3143	apoa4b.2
ENSDARG00000015543	1.301673119	-4.819771443	1.856064312	-2.596769633	0.009410501	0.092157094	s100a1	ZDB-GENE-040916-1	s100a1
ENSDARG00000036060	28.20082255	-0.579665808	0.22332606	-2.595603077	0.009442508	0.09242685	exosc6	ZDB-GENE-050522-362	exosc6
ENSDARG00000002403	54.81993614	-0.5211105299	0.200794712	-2.59521426	0.009453197	0.092487793	nusap1	ZDB-GENE-030827-5	nusap1
ENSDARG000000114258	87.28625094	-0.385031188	0.148371505	-2.595048076	0.009457769	0.092488856	si:dkey-30c15.13	ZDB-GENE-060503-73	si:dkey-30c15.13
ENSDARG00000018124	192.0073165	-0.401848285	0.154863437	-2.594855786	0.009463062	0.092496963	psmd3	ZDB-GENE-040426-1444	psmd3
ENSDARG000000104726	52.21159151	-0.395686344	0.152538294	-2.594013178	0.009486285	0.092680245	si:ch211-162e15.3	ZDB-GENE-131121-530	si:ch211-162e15.3
ENSDARG000000088967	68.72253742	-0.476160375	0.183689834	-2.592197762	0.009536493	0.09312687	wnk4b	ZDB-GENE-131120-119	wnk4b
ENSDARG00000021372	607.5949444	-0.384790785	0.148466476	-2.591768837	0.009548391	0.093199129	tob1b	ZDB-GENE-040426-2151	tob1b
ENSDARG00000029204	18.39043205	0.721190182	0.278330542	2.591128434	0.009566178	0.093328788	tyrp1a	ZDB-GENE-070718-2	tyrp1a
ENSDARG00000077260	3.828505798	1.167989451	0.450848252	2.590648727	0.009579522	0.093384115	si:dkey-28d5.13	ZDB-GENE-060503-636	si:dkey-28d5.13
ENSDARG00000039913	87.69132001	-0.386362458	0.149142723	-2.590555216	0.009582125	0.093384115	tmem147	ZDB-GENE-040718-187	tmem147
ENSDARG00000002298	10.04612706	-0.790275023	0.305073816	-2.590438712	0.009585369	0.093384115	ankrd22	ZDB-GENE-040426-1120	ankrd22
ENSDARG00000057921	10.25952518	0.793880161	0.306541477	2.589796878	0.009603258	0.09351443	ccdc136b	ZDB-GENE-081104-244	ccdc136b
ENSDARG00000041407	22.78619565	-0.46435441	0.179318678	-2.589548479	0.009610189	0.093537969	rmdn3	ZDB-GENE-041014-256	rmdn3
ENSDARG000000101281	17.81278749	0.634552991	0.245093173	2.589027605	0.009624738	0.0936351	corin	ZDB-GENE-060224-3	corin
ENSDARG00000021443	1116.025459	0.471986152	0.182323185	2.588733591	0.009632959	0.0936351	zfp361b	ZDB-GENE-030131-2391	zfp361b
ENSDARG00000060380	60.2206013	-0.353733112	0.136644749	-2.588706228	0.009633724	0.0936351	coq6	ZDB-GENE-060825-297	coq6
ENSDARG00000027418	38.75415689	-0.412730626	0.159473084	-2.588089575	0.009650988	0.093758919	trappc4	ZDB-GENE-040426-1734	trappc4
ENSDARG00000031757	98.54654422	0.420609669	0.162537381	2.587771905	0.009659892	0.093801447	tmc4	ZDB-GENE-030131-7489	tmc4
ENSDARG00000051939	123.8191895	-0.578124244	0.223442583	-2.587350342	0.00967172	0.093846778	pcxb	ZDB-GENE-000831-1	pcxb
ENSDARG00000096721	4.650601279	-1.071810386	0.414269366	-2.587230614	0.009675081	0.093846778	si:rp71-1c10.11	ZDB-GENE-130603-61	si:rp71-1c10.11
ENSDARG00000089107	28.30029774	0.605772181	0.234156741	2.587037121	0.009680516	0.093846778	mlxipl	ZDB-GENE-100922-66	mlxipl
ENSDARG00000031888	20.00975431	-0.53496034	0.206802618	-2.586816091	0.009686728	0.093846778	mapk8a	ZDB-GENE-080218-17	mapk8a
ENSDARG00000098644	80.53146492	0.450245212	0.174054958	2.586799124	0.009687205	0.093846778	si:ch211-126j24.1	ZDB-GENE-050208-133	si:ch211-126j24.1
ENSDARG00000086603	5.123597208	-1.017534133	0.393591018	-2.585257507	0.009730629	0.094199375	zgc:136963	ZDB-GENE-060312-8	zgc:136963
ENSDARG00000055723	11.43412603	-1.233633059	0.477196725	-2.585166653	0.009733194	0.094199375	hsp70l	ZDB-GENE-050321-1	hsp70l
ENSDARG00000060184	176.0550473	0.251127681	0.09714716	2.585023405	0.009737239	0.094199375	pkn1a	ZDB-GENE-061207-17	pkn1a
ENSDARG00000019332	242.184255	-0.330706986	0.127978327	-2.584085868	0.009763748	0.094411755	ndufb4	ZDB-GENE-040426-1973	ndufb4
ENSDARG00000070607	109.3494778	-0.328229407	0.127058971	-2.583283991	0.009786473	0.094587356	mrpl36	ZDB-GENE-060503-821	mrpl36
ENSDARG00000019579	82.53834122	0.372260628	0.144118139	2.583024124	0.009793847	0.094614502	ldb2a	ZDB-GENE-990415-136	ldb2a
ENSDARG00000076776	7.986003495	-1.095011705	0.424007908	-2.582526613	0.00980798	0.09465681	gucy2g	ZDB-GENE-130531-70	gucy2g
ENSDARG000000100199	20.7412474	1.185941864	0.459226148	2.582478959	0.009809334	0.09465681	si:ch1073-185p12.2	ZDB-GENE-110411-196	si:ch1073-185p12.2
ENSDARG00000039034	521.3621646	0.273148366	0.105773572	2.582387638	0.009811931	0.09465681	marcks1a	ZDB-GENE-040426-2146	marcks1a
ENSDARG00000018485	73.00726489	0.340007904	0.131682421	2.582029574	0.009822117	0.094710983	cyp2v1	ZDB-GENE-040912-139	cyp2v1
ENSDARG00000073737	50.9317639	0.40187978	0.155667134	2.581661071	0.00983261	0.094768064	suds3	ZDB-GENE-040801-236	suds3
ENSDARG00000020008	709.1712826	-0.35961438	0.139338729	-2.580864511	0.009855325	0.09494284	vcp	ZDB-GENE-030131-5408	vcp
ENSDARG00000019250	2.044003019	-1.794503196	0.695564097	-2.579924989	0.009882178	0.09515729	fancf	ZDB-GENE-060306-3	fancf
ENSDARG00000086840	4.228754381	-1.235791292	0.479046976	-2.579687077	0.009888988	0.095178638	si:ch211-266k8.4	ZDB-GENE-131121-469	si:ch211-266k8.4
ENSDARG00000040027	53.30393154	0.503198656	0.195105105	2.579115791	0.009905358	0.095279807	osbpl10b	ZDB-GENE-081002-4	osbpl10b
ENSDARG00000095532	10.45185637	1.257723575	0.48767889	2.578999421	0.009908695	0.095279807	si:dkey-58f10.13	ZDB-GENE-060526-315	si:dkey-58f10.13
ENSDARG00000043468	2.988041798	1.435769298	0.557074834	2.577336492	0.009956497	0.095695055	sytl3	ZDB-GENE-040724-150	sytl3
ENSDARG00000094346	6.337669371	2.425026343	0.941369738	2.576061504	0.009993287	0.096004122	si:ch211-114l13.3	ZDB-GENE-070424-112	si:ch211-114l13.3

ENSDARG00000056729	1.210067166	2.589368085	1.005291912	2.57573751	0.010002655	0.096012205	her4.2	ZDB-GENE-060815-1	her4.2
ENSDARG00000053853	2455.738839	-0.640740493	0.248771937	-2.575614033	0.010006227	0.096012205	slc13a2	ZDB-GENE-040426-2389	slc13a2
ENSDARG00000075525	13.52954925	-0.750083366	0.291244311	-2.575443832	0.010011153	0.096012205	cln8	ZDB-GENE-060906-3	cln8
ENSDARG00000055339	72.79876821	-0.428114462	0.166243703	-2.57522212	0.010017573	0.096012205	si:ch73-1a9.4	ZDB-GENE-050506-64	si:ch73-1a9.4
ENSDARG00000099554	93.01385298	-0.293496004	0.113974566	-2.57510088	0.010021085	0.096012205	sec16b	ZDB-GENE-050208-274	sec16b
ENSDARG00000037244	15.66666664	0.539990029	0.20969902	2.575071786	0.010021928	0.096012205	gpr137	ZDB-GENE-040718-443	gpr137
ENSDARG00000101413	242.7950272	0.271357462	0.105402904	2.574478051	0.010039146	0.096132706	dusp7	ZDB-GENE-030131-5457	dusp7
ENSDARG00000006220	1377.352279	0.404381446	0.157088653	2.574224418	0.010046509	0.096158776	ugt1a7	ZDB-GENE-071004-5	ugt1a2
ENSDARG00000006220	1377.352279	0.404381446	0.157088653	2.574224418	0.010046509	0.096158776	ugt1a7	ZDB-GENE-071004-4	ugt1a1
ENSDARG00000006220	1377.352279	0.404381446	0.157088653	2.574224418	0.010046509	0.096158776	ugt1a7	ZDB-GENE-080227-5	ugt1a6
ENSDARG00000006220	1377.352279	0.404381446	0.157088653	2.574224418	0.010046509	0.096158776	ugt1a7	ZDB-GENE-080227-6	ugt1a7
ENSDARG00000098026	5.626673416	0.95684178	0.371853104	2.573171425	0.010077128	0.096407317	si:dkey-238d18.8	ZDB-GENE-131119-29	si:dkey-238d18.8
ENSDARG00000076997	0.907408058	-2.456886348	0.955078057	-2.572445602	0.010098282	0.096565117	stxbp4	ZDB-GENE-110420-5	stxbp4
ENSDARG00000003984	116.3102679	-0.392797563	0.152725236	-2.571923106	0.010113535	0.096666363	LTN1	ZDB-GENE-091204-127	si:dkey-175g6.5
ENSDARG00000007040	340.0573582	0.557970391	0.216986364	2.571453713	0.010127255	0.096752874	tmigd1	ZDB-GENE-080303-6	tmigd1
ENSDARG00000073688	193.0062561	0.285279467	0.110982787	2.570483909	0.010155654	0.096949733	nav2a	ZDB-GENE-120502-3	nav2a
ENSDARG00000068562	188.0145804	0.361548069	0.140656616	2.570430586	0.010157218	0.096949733	rbm33a	ZDB-GENE-140106-90	rbm33a
ENSDARG00000043475	51.79636867	-0.516061777	0.200787665	-2.570186652	0.010164373	0.096973363	TAGAP	ZDB-GENE-121214-340	si:ch211-122h15.4
ENSDARG00000043475	51.79636867	-0.516061777	0.200787665	-2.570186652	0.010164373	0.096973363	TAGAP	ZDB-GENE-040724-50	tagapb
ENSDARG00000059125	148.2879035	-0.296651009	0.115430113	-2.569962034	0.010170966	0.096991606	prkacbb	ZDB-GENE-050904-4	prkacbb
ENSDARG00000102965	34.21296313	0.437101465	0.1701182	2.569398602	0.01018752	0.097070602	CABZ01087948.1		
ENSDARG00000040334	375.2168648	-0.355965464	0.138547895	-2.56925928	0.010191617	0.097070602	mat2aa	ZDB-GENE-030131-2049	mat2aa
ENSDARG00000116221	9.946568143	0.818290653	0.318499934	2.56920196	0.010193303	0.097070602	LO018205.2		
ENSDARG00000088130	27.27778942	-0.661748148	0.257631757	-2.568581433	0.010211572	0.097199902	si:dkey-30c15.10	ZDB-GENE-060503-826	si:dkey-30c15.10
ENSDARG00000102299	26.05768673	0.777160988	0.302605244	2.568233704	0.010221822	0.097242631	cxcl8b.1	ZDB-GENE-101026-3	cxcl8b.1
ENSDARG00000102762	16.87851306	0.640006078	0.249227528	2.567959022	0.010229925	0.097242631	pik3r5	ZDB-GENE-030131-2308	pik3r5
ENSDARG00000045843	98.57223729	-0.466430437	0.181635201	-2.567951771	0.010230139	0.097242631	apex1	ZDB-GENE-040426-2761	apex1
ENSDARG00000041554	109.9917485	0.513988734	0.200192865	2.567467792	0.010244431	0.097273802	unc93a	ZDB-GENE-041014-304	unc93a
ENSDARG00000078042	107.375267	0.549239666	0.213933685	2.567336069	0.010248323	0.097273802	il10rb	ZDB-GENE-050909-1	il10rb
ENSDARG00000102908	141.6037034	0.323827499	0.126136564	2.567276992	0.01025007	0.097273802	il16	ZDB-GENE-130103-3	il16
ENSDARG00000009779	249.8146155	0.426629847	0.166184558	2.567205112	0.010252195	0.097273802	mcl1a	ZDB-GENE-000511-7	mcl1a
ENSDARG00000052465	25.5211809	0.62615453	0.24394999	2.566733172	0.010266158	0.097317934	dusp10	ZDB-GENE-041014-271	dusp10
ENSDARG00000041493	91.08043465	-0.456825073	0.177981871	-2.566694411	0.010267305	0.097317934	ipo4	ZDB-GENE-041014-307	ipo4
ENSDARG00000090833	14.73746722	0.694126138	0.270448749	2.566571819	0.010270935	0.097317934	igfbp6b	ZDB-GENE-090521-2	igfbp6b
ENSDARG00000076848	107.3876057	0.747491149	0.291388521	2.565273148	0.010309461	0.097630655	zgc:112492	ZDB-GENE-050417-143	zgc:112492
ENSDARG00000015790	24.92392122	-0.519062091	0.202352197	-2.565141864	0.010313363	0.097630655	atp1b3a	ZDB-GENE-990415-167	atp1b3a
ENSDARG00000004724	160.8157923	0.380755856	0.148444687	2.564967896	0.010318535	0.097635016	tcea3	ZDB-GENE-040426-1860	tcea3
ENSDARG00000069726	8.682497396	0.926082009	0.361396912	2.5625067	0.010391958	0.098284874	glis3	ZDB-GENE-070112-2232	glis3
ENSDARG00000038669	46.12595701	0.521146411	0.203398729	2.562191082	0.010401407	0.098312176	gbp2	ZDB-GENE-070912-618	gbp2
ENSDARG00000060008	23.17301746	0.852930666	0.332903815	2.562093392	0.010404334	0.098312176	hhipl2	ZDB-GENE-131120-145	hhipl2
ENSDARG00000109646	14.48735618	-0.668723213	0.261045808	-2.561708302	0.010415876	0.098376382	si:ch211-153a8.4	ZDB-GENE-030131-6830	si:ch211-153a8.4
ENSDARG00000092045	13.14755412	0.683198878	0.266824366	2.560481597	0.01045272	0.098665376	si:dkey-225k4.1	ZDB-GENE-091204-219	si:dkey-225k4.1
ENSDARG00000102977	318.0653601	0.511956882	0.199957874	2.56032369	0.010457471	0.098665376	cant1b	ZDB-GENE-040801-114	cant1b
ENSDARG00000105104	8.161363741	-1.077180564	0.420738408	-2.560214478	0.010460758	0.098665376	si:dkey-223p19.1	ZDB-GENE-120215-140	si:dkey-223p19.1
ENSDARG00000089933	80.57214661	0.419237649	0.16377427	2.559850509	0.01047172	0.098723829	rasal3	ZDB-GENE-101130-3	rasal3
ENSDARG00000104085	710.4018045	-0.323933653	0.126585778	-2.559005119	0.01049722	0.098881885	abcd3a	ZDB-GENE-040426-2868	abcd3a

ENSDARG00000099194	71.45527293	-0.557990468	0.218052049	-2.55897833	0.010498029	0.098881885	CABZ01058261.1		
ENSDARG00000078772	141.7883888	0.259702393	0.101507836	2.558446744	0.010514092	0.098988197	nbr1b	ZDB-GENE-170215-1	nbr1b
ENSDARG00000101104	10.01481141	0.696762517	0.272367668	2.558168968	0.010522495	0.099022317	FP102192.1		
ENSDARG00000089369	115.0398286	-0.762761778	0.298187368	-2.557994941	0.010527762	0.099026914	fdxr	ZDB-GENE-130613-2	fdxr
ENSDARG00000030022	87.84248346	-0.381067425	0.149019517	-2.557164544	0.010552929	0.099218597	nup188	ZDB-GENE-030131-7184	nup188
ENSDARG00000100725	53.47864013	0.372063733	0.14551313	2.556908329	0.010560704	0.09923404	ephb4a	ZDB-GENE-990415-62	ephb4a
ENSDARG00000058218	190.7421744	0.477435951	0.186732207	2.556794887	0.010564149	0.09923404	fam151a	ZDB-GENE-070705-105	fam151a
ENSDARG00000079327	124.560418	0.514404774	0.20127192	2.555770189	0.010595307	0.099481626	hmcn2	ZDB-GENE-030131-9765	hmcn2
ENSDARG00000093704	4.751079804	-8.272949544	3.237535043	-2.555323551	0.010608913	0.099564267	si:dkeyp-46h3.8	ZDB-GENE-060503-183	si:dkeyp-46h3.8
ENSDARG00000056151	136.8035178	0.412563291	0.161521129	2.554237298	0.01064207	0.09983023	tyrp1b	ZDB-GENE-040718-249	tyrp1b
ENSDARG00000022399	65.4348968	-0.43588689	0.170684558	-2.553757028	0.010656759	0.099922789	ntmt1	ZDB-GENE-040426-2055	ntmt1
ENSDARG00000068288	127.7181779	-0.73619551	0.288306625	-2.553515758	0.010664145	0.09994682	lamc2	ZDB-GENE-110222-3	lamc2

