

Probe	ZFIN ID	Fold change	P-value	Gene	Description
A_15_P480345	ZDB-GENE-080515-2	2.375	0.001	arrdc1b	arrestin domain containing 1b
A_15_P143036	ZDB-GENE-041210-42	0.708	0.014	mcm10	minichromosome maintenance complex component 10
A_15_P269706	NA	0.572	0.025	LOC100006405	hypothetical LOC100006405
A_15_P284426	NA	0.583	0.011	LOC565910	Creb5b-like
A_15_P733065	ZDB-GENE-030131-8681	0.471	0.001	ptmab	prothymosin, alpha b
A_15_P140446	ZDB-GENE-061110-76	1.549	0.039	fam160b2	family with sequence similarity 160, member B2
A_15_P671196	ZDB-GENE-050522-346	1.934	0.028	calcoco2	calcium binding and coiled-coil domain 2
A_15_P183816	ZDB-GENE-030131-3630	1.473	0.045	si:ch211-210c8.6	si:ch211-210c8.6
A_15_P120698	ZDB-GENE-050809-4	1.386	0.026	zgc:163093	zgc:163093
A_15_P168751	ZDB-GENE-041014-332	1.431	0.02	si:ch211-260g14.3	si:ch211-260g14.3
A_15_P392240	NA	24.001	0	ENSDART00000112698	hypothetical protein LOC100329403
A_15_P101775	ZDB-GENE-040426-1938	0.696	0.015	zgc:56141	RNA binding motif protein 4.3
A_15_P139766	ZDB-GENE-070705-339	1.418	0.05	snx18a	sorting nexin 18a
A_15_P626836	ZDB-GENE-990415-161	0.698	0.041	spon2b	spondin 2b, extracellular matrix protein
A_15_P222981	ZDB-GENE-000511-6	2.867	0	baxa	bcl2-associated X protein, a
A_15_P170846	ZDB-GENE-040625-181	1.411	0.017	zgc:86598	zgc:86598
A_15_P169106	ZDB-GENE-040426-2230	1.849	0.002	slc37a4a	solute carrier family 37 (glucose-6-phosphate transporter), member 4a
A_15_P689426	ZDB-GENE-071126-1	0.595	0.025	lrrn1	leucine rich repeat neuronal 1
A_15_P100107	ZDB-GENE-040426-2814	0.679	0.047	zgc:55262	zgc:55262
A_15_P622736	ZDB-GENE-030616-591	1.462	0.023	dhrrs1	dehydrogenase/reductase (SDR family) member 1
A_15_P114333	ZDB-GENE-031002-1	0.369	0.002	hsp90b1	heat shock protein 90, beta (grp94), member 1
A_15_P711091	ZDB-GENE-031118-30	1.435	0.037	rab5c	RAB5C, member RAS oncogene family
A_15_P755511	ZDB-GENE-030131-614	1.519	0.025	smndc1	survival motor neuron domain containing 1
A_15_P137766	ZDB-GENE-050208-330	1.593	0.032	si:dkey-253d23.3	si:dkey-253d23.3
A_15_P656531	ZDB-GENE-040426-1933	0.524	0.026	sema6d	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D
A_15_P143766	NA	1.724	0.002	BI318623	mCG19967-like
A_15_P107387	ZDB-GENE-041210-109	1.734	0.004	mrps18a	mitochondrial ribosomal protein S18A
A_15_P368580	ZDB-GENE-050506-148	1.47	0.043	ENSDART00000050644	im:7148243

A_15_P120737	ZDB-GENE-030131-5881	1.45	0.023	poldip2	polymerase (DNA-directed), delta interacting protein 2
A_15_P173761	ZDB-GENE-030131-970	1.464	0.026	rpl71l	ribosomal protein L7-like 1
A_15_P737626	ZDB-GENE-030131-3507	1.341	0.044	pap0lb	poly(A) polymerase beta (testis specific)
A_15_P261706	NA	0.514	0.048	TC406091	CXXC finger 4-like
A_15_P172071	ZDB-GENE-050522-156	1.545	0.04	zgc:109967	zgc:109967
A_15_P628331	ZDB-GENE-030131-5982	1.708	0.002	gtpbp4	GTP binding protein 4
A_15_P320756	ZDB-GENE-040426-1949	0.724	0.029	slc37a2	solute carrier family 37 (glycerol-3-phosphate transporter), member 2
A_15_P372115	ZDB-GENE-040426-1624	2.414	0	TC377963	PUF (Pumilio/FBF) domain-containing A
A_15_P621466	ZDB-GENE-060929-172	0.474	0.004	zgc:154018	zgc:154018
A_15_P703911	ZDB-GENE-030131-527	1.361	0.029	calm3b	calmodulin 3b (phosphorylase kinase, delta)
A_15_P116563	ZDB-GENE-030616-622	1.39	0.034	adam8a	a disintegrin and metalloproteinase domain 8a
A_15_P132436	ZDB-GENE-010111-1	0.619	0.007	sox19b	SRY-box containing gene 19b
A_15_P566822	ZDB-GENE-090311-51	1.944	0.001	zgc:153462	si:dkeyp-27c8.2
A_15_P259981	ZDB-GENE-041010-17	0.556	0.005	zgc:103681	zgc:103681
A_15_P624806	ZDB-GENE-070112-1022	1.996	0	zgc:158741	zgc:158741
A_15_P121217	ZDB-GENE-030131-9123	5.16	0	mmp2	matrix metalloproteinase 2
A_15_P721146	ZDB-GENE-040426-1303	1.37	0.029	zgc:63938	zgc:63938
A_15_P281691	ZDB-GENE-040116-2	1.399	0.048	pafah1b1a	platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit a
A_15_P241676	ZDB-GENE-060119-1	1.461	0.029	lama2	laminin, alpha 2
A_15_P722226	ZDB-GENE-030131-6070	0.554	0.004	nipblb	nipped-b homolog b (Drosophila)
A_15_P722591	ZDB-GENE-030131-6132	2.139	0.001	ifrd1	interferon-related developmental regulator 1
A_15_P623686	ZDB-GENE-000330-8	1.583	0.004	coil	coilin p80
A_15_P549762	ZDB-GENE-050208-451	0.459	0.006	LOC563738	similar to Fetuin-B precursor (IRL685), si:ch211-284e20.8
A_15_P719606	ZDB-GENE-030131-5457	1.349	0.033	dup7	dual specificity phosphatase 7
A_15_P445630	ZDB-GENE-040822-44	1.58	0.01	flad1	FAD1 flavin adenine dinucleotide synthetase homolog (S. cerevisiae)
A_15_P632221	ZDB-GENE-980526-135	1.772	0.046	ihhb	Indian hedgehog homolog b
A_15_P161116	ZDB-GENE-030131-4076	1.775	0.002	pdc11	programmed cell death 11
A_15_P757566	ZDB-GENE-061013-772	0.537	0.001	zgc:152941	zgc:152941
A_15_P168581	ZDB-GENE-030131-8720	1.779	0.01	si:ch211-272f3.3	si:ch211-272f3.3
A_15_P747641	ZDB-GENE-050104-1	1.489	0.011	perp	PERP, TP53 apoptosis effector

A_15_P152656	ZDB-GENE-030131-4505	1.391	0.03	dhx37	DEAH (Asp-Glu-Ala-His) box polypeptide 37
A_15_P136346	ZDB-GENE-030131-6081	2.018	0.001	si:dkey-44k1.3	si:dkey-44k1.3
A_15_P632166	ZDB-GENE-030131-9662	1.321	0.037	rap1b	RAS related protein 1b
A_15_P172766	ZDB-GENE-030131-5627	1.45	0.022	si:ch211-105d11.2	si:ch211-105d11.2
A_15_P371610	NA	0.657	0.041	TC380829	hypothetical LOC568650
A_15_P577577	NA	0.276	0.001	TC401263	hypothetical LOC100006029
A_15_P156076	ZDB-GENE-040801-86	2.143	0	zgc:101084	zgc:101084
A_15_P703926	ZDB-GENE-061103-307	1.45	0.042	zgc:154007	zgc:154007
A_15_P620656	ZDB-GENE-030131-6031	1.31	0.04	naa15b	N(alpha)-acetyltransferase 15, NatA auxiliary subunit b
A_15_P625331	ZDB-GENE-030131-8525	2.146	0.002	tysnd1	trypsin domain containing 1
A_15_P155101	NA	0.597	0.023	ENSDART00000074325	dual specificity phosphatase 10-like
A_15_P106233	ZDB-GENE-050327-30	0.574	0.02	zgc:113358	zgc:113358
A_15_P139966	ZDB-GENE-040426-1662	0.484	0.002	rlbp1a	retinaldehyde binding protein 1a
A_15_P207001	ZDB-GENE-040426-1521	0.5	0.041	stc1	stanniocalcin 1
A_15_P727831	ZDB-GENE-040912-53	1.59	0.007	zgc:101748	zgc:101748
A_15_P161561	ZDB-GENE-040426-1805	1.44	0.04	zgc:77221	zgc:77221
A_15_P664306	ZDB-GENE-070220-1	0.669	0.029	brd2b	bromodomain containing 2b
A_15_P191901	ZDB-GENE-030131-4075	1.394	0.036	ENSDART00000023820	si:ch211-255d18.1
A_15_P582767	ZDB-GENE-030131-298	0.542	0.003	si:ch211-81a5.7	si:ch211-81a5.7
A_15_P120095	ZDB-GENE-041114-126	1.419	0.039	bin2a	bridging integrator 2a
A_15_P624951	ZDB-GENE-070822-15, ZDB-GENE-080220-41, ZDB-GENE-041014-235	1.54	0.037	zgc:171670	zgc:171670, zgc:171818, si:dkey-24117.6
A_15_P224141	ZDB-GENE-061215-116	0.693	0.028	zgc:158403	zgc:158403
A_15_P108853	ZDB-GENE-040801-188	0.509	0.01	dup2	dual specificity phosphatase 2
A_15_P364065	ZDB-GENE-021220-2	1.409	0.041	ddx54	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54
A_15_P206371	ZDB-GENE-050809-128	1.668	0.007	zgc:110294	zgc:110294
A_15_P770471	NA	0.489	0.044	TC412214	proteinase inhibitor-like
A_15_P214106	ZDB-GENE-021016-1	0.498	0.004	ccng2	cyclin G2
A_15_P443275	ZDB-GENE-090313-247	1.452	0.013	ENSDART00000101279	si:dkey-221j11.3
A_15_P471675	ZDB-GENE-070615-6	2.122	0.001	zgc:162873	MON1 homolog A (yeast)

A_15_P741706	ZDB-GENE-030131-7647	0.644	0.003	ptmaa	prothymosin, alpha a
A_15_P600292	ZDB-GENE-030131-5553	0.433	0.002	cbx5	chromobox homolog 5 (HP1 alpha homolog, Drosophila)
A_15_P109117	ZDB-GENE-040426-1997	1.393	0.047	cstf3	cleavage stimulation factor, 3' pre-RNA, subunit 3
A_15_P225441	ZDB-GENE-010130-1	0.772	0.042	ctbp1	C-terminal binding protein 1
A_15_P104241	ZDB-GENE-030131-6154	1.898	0.01	hnmpa0	heterogeneous nuclear ribonucleoprotein A0
A_15_P108572	ZDB-GENE-051030-24	0.713	0.02	zgc:123019	zgc:123019
A_15_P184701	ZDB-GENE-041014-208, ZDB-GENE-030131-6182, ZDB-GENE-070424-268	1.737	0.036	si:ch211-171o19.1	si:ch211-171o19.1, si:dkey-14a7.4, si:dkeyp-110e4.3
A_15_P579312	ZDB-GENE-030131-5479	0.628	0.02	sec23b	Sec23 homolog B (S. cerevisiae)
A_15_P109813	ZDB-GENE-040426-1709	2.035	0.001	smfn	small fragment nuclease
A_15_P154911	NA	1.83	0.036	NP13316257	sodium/potassium/calcium exchanger 1-like
A_15_P734841	ZDB-GENE-980526-39	0.568	0.01	cahz	carbonic anhydrase
A_15_P118499	ZDB-GENE-060616-210	6.541	0.003	zgc:136474	zgc:136474
A_15_P520017	NA	0.518	0.005	LOC564833	hypothetical LOC564833
A_15_P106031	ZDB-GENE-050208-786	1.568	0.022	si:dkey-1b17.11	si:dkey-1b17.11
A_15_P506827	ZDB-GENE-040912-89	1.402	0.042	zgc:92806	zgc:92806
A_15_P753496	ZDB-GENE-991110-23	1.409	0.042	krt5	keratin 5
A_15_P331554	ZDB-GENE-030131-9099	2.003	0.001	nap114a	nucleosome assembly protein 1-like 4a
A_15_P114599	ZDB-GENE-040912-107	1.767	0.01	zgc:103678	zgc:103678
A_15_P751886	ZDB-GENE-050306-53	1.549	0.019	zgc:110741	zgc:110741
A_15_P496322	ZDB-GENE-030131-9830	1.429	0.016	wdr3	WD repeat domain 3
A_15_P595712	NA	0.539	0.002	LOC100150862	transmembrane receptor Roundabout3-like
A_15_P108092	ZDB-GENE-011119-1	1.791	0.002	gpc4	glypican 4
A_15_P112452	NA	2.013	0.028	LOC558198	APurinic/aprimidinic endoNuclease family member (apn-1)-like
A_15_P656466	ZDB-GENE-040426-921	1.398	0.031	gipc2	GIPC PDZ domain containing family, member 2
A_15_P176221	ZDB-GENE-040930-2	1.601	0.004	zgc:91802	zgc:91802
A_15_P446355	ZDB-GENE-060825-83	2.821	0.015	cyb5r2	cytochrome b5 reductase 2
A_15_P133471	ZDB-GENE-040915-3	2.005	0.001	kri1l	KRI1 homolog like
A_15_P110205	ZDB-GENE-080723-7	0.64	0.019	npm4	nucleophosmin/nucleoplasmin, 4
A_15_P154456	ZDB-GENE-020419-35	1.591	0.014	mak16	MAK16 homolog (S. cerevisiae)

A_15_P657946	ZDB-GENE-030131-4089	0.555	0.014	p4ha1	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I
A_15_P660581	ZDB-GENE-061013-129	0.66	0.02	ints9	integrator complex subunit 9
A_15_P196171	ZDB-GENE-050410-3	2.466	0.002	hsh2d	hematopoietic SH2 domain containing
A_15_P117460	ZDB-GENE-041111-239	1.345	0.033	cox10	COX10 homolog, cytochrome c oxidase assembly protein, heme A: farnesyltransferase (yeast)
A_15_P132931	ZDB-GENE-030708-2	0.74	0.041	zic3	zic family member 3 heterotaxy 1 (odd-paired homolog, Drosophila)
A_15_P187306	NA	4.327	0	LOC557782	similar to N-acetylgalactosaminyltransferase
A_15_P106134	ZDB-GENE-980526-140	0.607	0.005	pou3f3b	POU class 3 homeobox 3b
A_15_P729061	ZDB-GENE-040426-900	0.708	0.037	ung	uracil-DNA glycosylase
A_15_P654901	ZDB-GENE-980526-532	0.687	0.03	hoxc3a	homeo box C3a
A_15_P520572	ZDB-GENE-030131-5577	28.839	0	TC410352	wu:fi04f09
A_15_P178781	ZDB-GENE-060531-56	0.628	0.003	si:ch211-278b8.3	si:ch211-278b8.3
A_15_P159361	NA	2.238	0.001	LOC567778	golgi transport 1 homolog B-like
A_15_P175076	ZDB-GENE-040426-893	1.499	0.015	nola1	nucleolar protein family A, member 1 (H/ACA small nucleolar RNPs)
A_15_P633526	ZDB-GENE-040426-2809	0.276	0.001	zgc:55574	zgc:55574
A_15_P201531	ZDB-GENE-070912-256	2.437	0.001	si:ch211-260b17.6	si:ch211-260b17.6
A_15_P227261	ZDB-GENE-040426-1715	1.962	0	zgc:73210	zgc:73210
A_15_P309106	NA	1.654	0.013	ENSDART00000081747	zinc finger protein 345-like
A_15_P392920	ZDB-GENE-080204-91	0.597	0.004	zgc:175165	RNA binding motif protein 15B
A_15_P140476	ZDB-GENE-030131-5796	1.502	0.035	si:ch211-129c21.1	si:ch211-129c21.1
A_15_P183756	NA	1.516	0.035	LOC556532	opiate receptor-like 1-like
A_15_P170906	ZDB-GENE-080708-1	1.608	0.003	mif	macrophage migration inhibitory factor
A_15_P176991	NA	2.103	0.009	LOC570474	similar to 5-hydroxyisourate hydrolase (HIU hydrolase) (HIUase) (Transthyretin-related protein)
A_15_P114423	ZDB-GENE-040426-2562	0.416	0.009	arhgap11a	Rho GTPase activating protein 11A
A_15_P108964	ZDB-GENE-040426-1110	1.386	0.019	strap	serine/threonine kinase receptor associated protein
A_15_P116103	ZDB-GENE-040704-75	1.288	0.041	zgc:91984	zgc:91984
A_15_P734436	ZDB-GENE-061103-190	1.543	0.014	zgc:153953	zgc:153953
A_15_P157321	NA	1.612	0.014	LOC565414	tripartite motif protein TRIM29-like
A_15_P285646	ZDB-GENE-050522-263	0.541	0.013	cnn3b	calponin 3, acidic b
A_15_P631871	ZDB-GENE-020117-2	0.539	0.002	gbx1	gastrulation brain homeobox 1
A_15_P755551	ZDB-GENE-020419-27	0.446	0	mcm7	MCM7 minichromosome maintenance deficient 7 (S. cerevisiae)

A_15_P166644	ZDB-GENE-030131-6822	0.692	0.047	ENSDART00000039725	wu:fa07b03
A_15_P622771	ZDB-GENE-040718-442	0.618	0.02	csdc2	cold shock domain containing C2, RNA binding
A_15_P113391	ZDB-GENE-011128-9	0.65	0.006	gc3	guanylyl cyclase 3
A_15_P741321	ZDB-GENE-040426-2178	1.399	0.018	akirin1	akirin 1
A_15_P622851	ZDB-GENE-040718-452	1.408	0.038	csrp2bp	cysteine and glycine-rich protein 2 binding protein
A_15_P166286	ZDB-GENE-030131-6378	1.505	0.037	heatr1	HEAT repeat containing 1
A_15_P630356	ZDB-GENE-040801-35	1.811	0.001	zgc:100864	zgc:100864
A_15_P476446	ZDB-GENE-030131-2260	1.389	0.02	znf280d	zinc finger protein 280D
A_15_P341865	ZDB-GENE-040426-2655	3.297	0	timp2b	tissue inhibitor of metalloproteinase 2b
A_15_P284981	NA	1.407	0.021	zgc:136497	coiled-coil domain containing 104, hypothetical protein LOC407682
A_15_P402950	NA	0.57	0.003	tom1	similar to target of myb1 (chicken)
A_15_P566382	NA	1.356	0.03	TC421815	g protein-coupled receptor kinase 6-like
A_15_P119203	ZDB-GENE-041219-1	0.5	0	sfrs6b	serine/arginine-rich splicing factor 6b
A_15_P754541	ZDB-GENE-030131-6876	1.522	0.035	trmt2a	trm2 tRNA methyltransferase 2 homolog A (S. cerevisiae)
A_15_P744531	ZDB-GENE-050417-20	1.905	0.002	azin1a	antizyme inhibitor 1a
A_15_P192496	ZDB-GENE-050417-203	0.762	0.046	zgc:112202	zgc:112202
A_15_P219631	ZDB-GENE-090313-107	0.405	0.026	si:ch211-281g13.3	si:ch211-281g13.3
A_15_P613677	ZDB-GENE-030131-8319	0.39	0.009	TC377173	fibroblast growth factor binding protein 2
A_15_P316816	ZDB-GENE-030131-3869	0.589	0.009	zgc:194596	zgc:194596
A_15_P105466	ZDB-GENE-990415-247	0.593	0.012	rrm1	ribonucleotide reductase M1 polypeptide
A_15_P142436	ZDB-GENE-070424-30	1.91	0.019	ccnd2a	cyclin D2 a
A_15_P666676	ZDB-GENE-040122-3	0.591	0.031	rab5ab	RAB5A, member RAS oncogene family, b
A_15_P136151	ZDB-GENE-030131-6268	1.411	0.033	wu:fi41d10	wu:fi41d10
A_15_P282191	ZDB-GENE-010323-5	0.568	0.003	papss2b	3'-phosphoadenosine 5'-phosphosulfate synthase 2b
A_15_P153751	ZDB-GENE-030131-4591	0.387	0.003	si:dkey-91f15.6	si:dkey-91f15.6
A_15_P626681	ZDB-GENE-040426-815	0.705	0.048	ppm1d	protein phosphatase 1D magnesium-dependent, delta isoform
A_15_P719731	ZDB-GENE-041114-6	0.549	0.032	ace2	angiotensin I converting enzyme (peptidyl-dipeptidase A) 2
A_15_P707233	ZDB-GENE-040808-68	0.685	0.023	acat1	acetyl-Coenzyme A acetyltransferase 1 (acetoacetyl Coenzyme A thiolase)
A_15_P729591	ZDB-GENE-040426-877	1.451	0.044	zgc:56064	zgc:56064
A_15_P624867	NA	0.436	0.018	LOC100008037	similar to pol polyprotein

A_15_P746541	ZDB-GENE-030131-9439	5.301	0	Inx1	ligand of numb-protein X 1
A_15_P422125	NA	2.29	0.009	LOC562078	hypothetical LOC562078
A_15_P573082	ZDB-GENE-041010-149	1.493	0.008	zgc:101803	zgc:101803
A_15_P663301	ZDB-GENE-041210-328	2.32	0.007	si:ch211-240l19.6	si:ch211-240l19.6
A_15_P538362	ZDB-GENE-030131-9676	0.662	0.006	c10orf119	c10orf119 homolog (H. sapiens)
A_15_P624456	ZDB-GENE-040628-5	0.598	0.006	irx5b	iroquois homeobox protein 5b
A_15_P633171	ZDB-GENE-041008-125	1.837	0.031	mrpl48	mitochondrial ribosomal protein L48
A_15_P120718	ZDB-GENE-030131-5783	1.497	0.014	rasgef1ba	RasGEF domain family, member 1Ba
A_15_P207541	ZDB-GENE-050309-90	1.578	0.008	si:ch211-62b4.3	si:ch211-62b4.3
A_15_P110098	ZDB-GENE-041112-1	2.137	0.001	asah2	N-acylsphingosine amidohydrolase 2
A_15_P120038	ZDB-GENE-071004-19	1.717	0.011	zgc:171672	zgc:171672
A_15_P207916	ZDB-GENE-050417-38	1.795	0.001	zgc:110084	zgc:110084
A_15_P118379	ZDB-GENE-040426-1785	1.572	0.042	fkbp1b	FK506 binding protein 1b
A_15_P296466	NA	0.687	0.015	LOC559742	novel protein similar to human high-mobility group protein 2-like 1 (HMG2L1), hypothetical protein LOC100331318
A_15_P727581	ZDB-GENE-070410-77	1.623	0.038	zgc:162349	zgc:162349
A_15_P112266	ZDB-GENE-040625-161	2.004	0.002	rpp40l	ribonuclease P 40 subunit like
A_15_P598557	ZDB-GENE-040426-1023	0.751	0.028	zgc:56418	H3 histone, family 3D
A_15_P727751	ZDB-GENE-060825-261	0.745	0.027	zgc:153609	zgc:153609
A_15_P433195	NA	2.089	0.001	CK146161	hypothetical LOC100151606
A_15_P105359	ZDB-GENE-060421-2654	1.792	0.007	tnfaip6	tumor necrosis factor, alpha-induced protein 6
A_15_P755911	ZDB-GENE-030131-1921	0.635	0.02	marcksb	myristoylated alanine rich protein kinase C substrate b
A_15_P671731	NA	1.648	0.018	wu:fj97g09	hypothetical protein LOC100331431
A_15_P185526	ZDB-GENE-050522-545	1.419	0.021	zgc:112231	zgc:112231
A_15_P237986	ZDB-GENE-040426-931	0.762	0.044	sfrs8	splicing factor, arginine/serine-rich 8 (suppressor-of-white-apricot homolog, Drosophila)
A_15_P120898	ZDB-GENE-040426-1464	0.729	0.026	zgc:65891	zgc:65891
A_15_P171261	ZDB-GENE-030821-1	1.486	0.042	aldocb	aldolase C, fructose-bisphosphate, b
A_15_P631711	ZDB-GENE-040912-91	1.767	0.035	cox17	COX17 cytochrome c oxidase assembly homolog (S. cerevisiae)
A_15_P133416	ZDB-GENE-990714-15	0.692	0.041	dnmt1	DNA (cytosine-5-)-methyltransferase 1
A_15_P101922	ZDB-GENE-011213-1	1.629	0.004	her9	hairy-related 9
A_15_P627501	ZDB-GENE-050417-213	1.396	0.044	idh3g	isocitrate dehydrogenase 3 (NAD+) gamma

A_15_P431445	ZDB-GENE-051120-57	1.473	0.022	zgc:123285	zgc:123285
A_15_P722091	ZDB-GENE-021231-3	1.552	0.017	wdr43	WD repeat domain 43
A_15_P113484	ZDB-GENE-040912-49	1.934	0.001	tctex1d1	Tctex1 domain containing 1
A_15_P195106	ZDB-GENE-040704-48	1.652	0.025	acaal1	acetyl-Coenzyme A acyltransferase 1
A_15_P764441	ZDB-GENE-071004-87, ZDB-GENE-050306-54	0.648	0.034	zgc:173617	zgc:173617, zgc:113096
A_15_P237946	ZDB-GENE-060810-66	1.49	0.011	ENSDART00000091835	general transcription factor IIIC, polypeptide 5
A_15_P119947	ZDB-GENE-041010-76	2.328	0.045	ctsl	cathepsin L, like
A_15_P141491	ZDB-GENE-050309-289	0.698	0.021	setd1ba	SET domain containing 1B, a
A_15_P159266	ZDB-GENE-030131-8917	1.43	0.023	plxnb2a	plexin b2a
A_15_P373690	ZDB-GENE-030131-8188	0.492	0.001	wu:fj59a07	wu:fj59a07
A_15_P201116	ZDB-GENE-070122-4	0.62	0.016	rbm45	RNA binding motif protein 45
A_15_P620201	ZDB-GENE-031118-197	0.645	0.01	asf1ba	ASF1 anti-silencing function 1 homolog Ba ( <i>S. cerevisiae</i> )
A_15_P148681	ZDB-GENE-990415-153	5.698	0	mdm2	transformed 3T3 cell double minute 2 homolog (mouse)
A_15_P742236	ZDB-GENE-030131-2332	1.594	0.007	zgc:64137	zgc:64137
A_15_P342170	ZDB-GENE-030131-9770	1.529	0.011	amotl2	angiomin like 2
A_15_P212981	ZDB-GENE-050417-217	0.551	0.005	yod1	YOD1 OTU deubiquinating enzyme 1 homolog ( <i>S. cerevisiae</i> )
A_15_P200176	ZDB-GENE-090313-270	0.658	0.029	si:dkey-245p14.2	si:dkey-245p14.2
A_15_P621831	ZDB-GENE-030131-4097	0.595	0.006	scrt2	scratch homolog 2, zinc finger protein ( <i>Drosophila</i> )
A_15_P580367	ZDB-GENE-060929-604	0.672	0.016	zgc:153103	zgc:153103
A_15_P162831	ZDB-GENE-040429-1	0.559	0.005	sox21b	SRY-box containing gene 21 b
A_15_P120699	ZDB-GENE-040426-2344	0.649	0.04	khdrbs1b	KH domain containing, RNA binding, signal transduction associated 1b
A_15_P419955	ZDB-GENE-040426-2216	1.648	0.006	rcc1	regulator of chromosome condensation 1
A_15_P114892	ZDB-GENE-070912-680	2.334	0	si:dkeyp-73d8.3	si:dkeyp-73d8.3
A_15_P578292	ZDB-GENE-030131-9923	0.657	0.011	hells	helicase, lymphoid-specific
A_15_P215856	ZDB-GENE-030131-5941	0.359	0.001	wu:fi26e04	wu:fi26e04
A_15_P100161	ZDB-GENE-030131-179	1.424	0.025	zgc:55671	zgc:55671
A_15_P100633	ZDB-GENE-040426-1760	1.496	0.028	zgc:73324	zgc:73324
A_15_P324091	ZDB-GENE-040426-1264	1.746	0.002	wdr46	WD repeat domain 46
A_15_P727231	ZDB-GENE-070112-2362	0.371	0.001	mybpc3	myosin binding protein C, cardiac
A_15_P161461	ZDB-GENE-030131-8398	0.66	0.009	si:dkey-42i9.4	si:dkey-42i9.4



A_15_P746316	ZDB-GENE-030131-975	1.912	0.001	eif5	eukaryotic translation initiation factor 5
A_15_P729106	ZDB-GENE-030219-74	1.895	0.009	lmo7a	LIM domain only 7a
A_15_P264601	NA	1.48	0.012	ENSDART00000103921	hypothetical protein LOC100329640
A_15_P259671	ZDB-GENE-070209-238	0.546	0.028	vcam1	vascular cell adhesion molecule 1
A_15_P209741	ZDB-GENE-030131-2182	1.397	0.038	pa2g4b	proliferation-associated 2G4 ,b
A_15_P622586	ZDB-GENE-010724-4, ZDB-GENE-040822-32	0.313	0	mpz	myelin protein zero, growth factor receptor-bound protein 10a
A_15_P520162	ZDB-GENE-060519-13	0.691	0.044	atxn7l2a	ataxin 7-like 2a
A_15_P579352	ZDB-GENE-050417-150	4.916	0.001	zgc:112054	zgc:112054
A_15_P419905	NA	0.584	0.003	LOC100003386	novel protein similar to vertebrate family with sequence similarity 19 (chemokine (C-C motif)-like), member A4 (FAM19A4)
A_15_P103585	ZDB-GENE-030131-3065	0.704	0.027	wu:fc26c03	wu:fc26c03
A_15_P740061	ZDB-GENE-031118-110	1.527	0.004	eif6	eukaryotic translation initiation factor 6
A_15_P158641	ZDB-GENE-040426-895	1.447	0.027	pitpnb	phosphatidylinositol transfer protein, beta
A_15_P103093	ZDB-GENE-040912-167	0.464	0	dirc2	disrupted in renal carcinoma 2
A_15_P725656	ZDB-GENE-061013-64	1.52	0.033	zgc:153386	zgc:153386
A_15_P136416	NA	0.637	0.024	LOC558687	type II CAX cation/proton exchanger-like
A_15_P114537	ZDB-GENE-030411-2	0.704	0.012	cenpa	histone H3-like centromeric protein A, selenoprotein H
A_15_P661816	ZDB-GENE-050327-95	1.746	0.016	zgc:110783	zgc:110783
A_15_P442255	ZDB-GENE-070410-120	0.721	0.029	zgc:162977	zgc:162977
A_15_P111911	ZDB-GENE-010507-2	1.482	0.008	clica	chloride intracellular channel a
A_15_P665251	NA	1.563	0.009	LOC558513	similar to Transcription cofactor vestigial-like protein 1 (Vgl-1) (Protein TONDU)
A_15_P676651	NA	1.556	0.05	LOC555648	hypothetical LOC555648
A_15_P115950	ZDB-GENE-040317-1	0.638	0.022	rem1	rad and gem related GTP binding protein 1
A_15_P628671	ZDB-GENE-030219-119	1.547	0.006	rps6ka3a	ribosomal protein S6 kinase, polypeptide 3a
A_15_P643761	ZDB-GENE-041014-208	1.995	0.025	si:ch211-171o19.1	si:ch211-171o19.1
A_15_P114288	ZDB-GENE-050517-31	1.492	0.014	abcf1	ATP-binding cassette, sub-family F (GCN20), member 1
A_15_P106074	ZDB-GENE-040426-1686	1.438	0.015	cops5	COP9 constitutive photomorphogenic homolog subunit 5
A_15_P120274	ZDB-GENE-990415-48	0.603	0.015	dlx1a	distal-less homeobox gene 1a
A_15_P115045	ZDB-GENE-041010-19	1.364	0.038	zgc:103658	zgc:103658
A_15_P163091	ZDB-GENE-070112-1012	1.576	0.009	ldlrp1b	low density lipoprotein receptor adaptor protein 1b
A_15_P203906	NA	2.402	0.003	ENSDART00000019941	glucose transporter X-like

A_15_P145921	ZDB-GENE-060526-3	2.526	0.018	si:ch211-106a19.1	si:ch211-106a19.1
A_15_P207666	ZDB-GENE-030131-616	1.613	0.006	gnl3	guanine nucleotide binding protein-like 3 (nucleolar)
A_15_P564607	ZDB-GENE-040426-2136	1.709	0.031	zgc:64161	zgc:64161
A_15_P178876	NA	4.396	0.006	LOC100330224	fatty acid binding protein 1b-like
A_15_P449960	NA	1.359	0.048	TC426048	brain washing-like
A_15_P148586	ZDB-GENE-040426-1288	1.438	0.043	chordc1	cysteine and histidine-rich domain (CHORD)-containing, zinc binding protein 1
A_15_P655436	ZDB-GENE-041010-40	0.378	0.007	zgc:101859	zgc:101859
A_15_P403295	ZDB-GENE-030131-1826	2.267	0.016	wu:fb81h03	wu:fb81h03
A_15_P734956	NA	0.579	0.002	EH542688	Tumor protein p53-inducible nuclear protein 2-like
A_15_P176121	ZDB-GENE-000713-1	11.013	0	casps8	caspace 8, apoptosis-related cysteine peptidase
A_15_P679551	NA	1.44	0.015	TC378792	Solute carrier family 25 member 38-B
A_15_P622052	ZDB-GENE-041010-48	2.141	0.03	casps6l1	caspace 6, apoptosis-related cysteine peptidase, like 1
A_15_P131076	ZDB-GENE-050522-28	0.655	0.033	barx1	BarH-like homeobox 1
A_15_P163006	ZDB-GENE-030131-5912	1.474	0.008	xpo6	exportin 6
A_15_P624896	ZDB-GENE-071004-96, ZDB-GENE-070424-32, ZDB-GENE-060918-4, ZDB-GENE-070720-9	0.408	0.041	crygm2d10	crystallin, gamma M2d10, zgc:162402, crystallin, gamma M2d5, zgc:165347
A_15_P208016	ZDB-GENE-060616-24	1.486	0.016	zgc:136758	zgc:136758
A_15_P108716	ZDB-GENE-040724-75	1.831	0.005	si:ch211-184m19.2	si:ch211-184m19.2
A_15_P172456	ZDB-GENE-040616-1	2.048	0.018	serac1	serine active site containing 1
A_15_P763716	NA	0.522	0.044	NP13317314	NIMA-related kinase 4-like
A_15_P499672	NA	1.48	0.032	ENSDART00000114723	Rap guanine nucleotide exchange factor (GEF)-like 1-like
A_15_P658891	ZDB-GENE-990708-7	0.491	0.001	otpb	orthopedia homolog b
A_15_P212956	ZDB-GENE-040704-1	0.401	0.015	zgc:91968	zgc:91968
A_15_P434570	ZDB-GENE-030131-3189	1.514	0.031	wu:fa04d12	wu:fc30b09
A_15_P105720	ZDB-GENE-050116-2	1.361	0.022	prkar1aa	protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1) a
A_15_P727941	ZDB-GENE-040704-17	1.334	0.041	zgc:91908	zgc:91908
A_15_P107578	ZDB-GENE-031112-9	1.608	0.003	gemin5	gem (nuclear organelle) associated protein 5
A_15_P121218	ZDB-GENE-030131-9847	0.435	0.037	pdcd4b	programmed cell death 4b
A_15_P153441	ZDB-GENE-010131-6	0.572	0.039	mdkb	midkine-related growth factor b
A_15_P119700	ZDB-GENE-030131-1044	1.474	0.025	rnf128a	ring finger protein 128a

A_15_P540497	ZDB-GENE-030131-3654	0.653	0.011	sp8b	sp8 transcription factor b
A_15_P116699	ZDB-GENE-030730-1	0.641	0.026	neurod4	neurogenic differentiation 4
A_15_P663021	ZDB-GENE-000210-34	0.6	0.006	nme3	non-metastatic cells 3, protein expressed in
A_15_P622171	NA	1.572	0.006	LOC100003308	similar to serine protease, hypothetical protein LOC100149563
A_15_P355035	NA	1.5	0.016	ENSDART00000084553	retinitis pigmentosa GTPase regulator-like
A_15_P756851	ZDB-GENE-031002-33	1.354	0.039	pfn1	profilin 1
A_15_P676663	ZDB-GENE-060825-13	0.566	0.021	zgc:153121	zgc:153121
A_15_P569657	ZDB-GENE-040625-68	0.224	0	cbx1b	chromobox homolog 1b (HP1 beta homolog Drosophila)
A_15_P166716	NA	0.392	0.002	LOC794083	pyruvate dehydrogenase kinase 2-like
A_15_P597537	ZDB-GENE-041008-196	1.419	0.02	ppl	periplakin
A_15_P219041	NA	0.767	0.047	cables1	CDK5 and ABL1 enzyme substrate 1
A_15_P751646	ZDB-GENE-021213-1	2.059	0.003	sdad1	SDA1 domain containing 1
A_15_P662321	ZDB-GENE-060929-1086	0.66	0.027	dync1i2a	dynein, cytoplasmic 1, intermediate chain 2a
A_15_P101053	ZDB-GENE-990706-5	0.678	0.021	svil	supervillin
A_15_P735896	ZDB-GENE-000607-83	1.493	0.013	kr4	keratin 4
A_15_P222036	ZDB-GENE-030909-6	0.408	0.001	mcm6	MCM6 minichromosome maintenance deficient 6, mitotin (S. cerevisiae)
A_15_P241366	ZDB-GENE-060503-202	2.037	0.009	si:ch211-185o22.2	si:ch211-185o22.2
A_15_P489382	NA	1.422	0.041	LOC565984	similar to Protein-glutamine gamma-glutamyltransferase 5 (Transglutaminase-5) (TGase 5) (Transglutaminase 5)
A_15_P102359	ZDB-GENE-040426-2757	0.564	0.033	nudt1	nudix (nucleoside diphosphate linked moiety X)-type motif 1
A_15_P196481	ZDB-GENE-051120-21	1.537	0.013	zgc:123178	zgc:123178
A_15_P719796	ZDB-GENE-040426-2020	0.536	0.004	caprin1b	cell cycle associated protein 1b
A_15_P665716	ZDB-GENE-070705-557	0.661	0.009	pole	polymerase (DNA directed), epsilon
A_15_P753851	ZDB-GENE-040801-181	0.524	0.01	zgc:92533	zgc:92533
A_15_P620846	ZDB-GENE-040718-161	0.664	0.011	zgc:92907	zgc:92907
A_15_P632236	ZDB-GENE-011128-2	0.391	0	jag1a	jagged 1a
A_15_P120557	ZDB-GENE-030131-5596	0.661	0.007	wu:fi05d05	wu:fi05d05
A_15_P506957	ZDB-GENE-990415-25	0.545	0.002	rrm2	ribonucleotide reductase M2 polypeptide
A_15_P145741	NA	0.686	0.022	LOC100002370	similar to zinc finger CCCH-type containing 12B
A_15_P670531	ZDB-GENE-040426-945	0.374	0.003	pvalb3	parvalbumin 3
A_15_P110901	ZDB-GENE-030616-115	0.504	0.003	ltk	leukocyte tyrosine kinase

A_15_P184666	NA	1.506	0.006	ENSDART00000113674	Nicotinic acid receptor 1-like
A_15_P131946	ZDB-GENE-001101-1	0.587	0.002	nos1	nitric oxide synthase 1 (neuronal)
A_15_P652456	ZDB-GENE-040930-11	1.477	0.034	rcl1	RNA terminal phosphate cyclase-like 1
A_15_P111684	ZDB-GENE-060421-2909	1.602	0.015	zgc:136360	zgc:136360
A_15_P107909	ZDB-GENE-050307-5	0.645	0.024	tmsb	thymosin, beta
A_15_P656491	ZDB-GENE-980526-220	0.65	0.045	pou3f3a	POU class 3 homeobox 3a
A_15_P760051	NA	0.607	0.027	NP13321454	Taar9 protein-like
A_15_P739301	ZDB-GENE-990715-9	0.689	0.017	skia	nuclear oncoprotein skia
A_15_P632626	ZDB-GENE-090313-165	2.882	0.003	si:ch73-6k14.1	si:ch73-6k14.1
A_15_P406710	ZDB-GENE-050208-290	1.453	0.015	acp6	acid phosphatase 6, lysophosphatidic
A_15_P121350	ZDB-GENE-031222-2	0.399	0	ivns1abpa	influenza virus NS1A binding protein a
A_15_P153951	ZDB-GENE-050913-133	0.396	0.003	b3gnt1	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like 1
A_15_P638399	ZDB-GENE-030131-5801	0.516	0.041	tk1	thymidine kinase 1, soluble
A_15_P519107	NA	9.936	0	ENSDART00000073432	retinoblastoma-like 2 (p130)-like
A_15_P104292	ZDB-GENE-030904-9	0.474	0.002	vax1	ventral anterior homeobox 1
A_15_P434665	NA	0.544	0.004	supt16h	suppressor of Ty 16 homolog
A_15_P151416	ZDB-GENE-001207-7	0.688	0.032	epha4a	eph receptor A4a
A_15_P178746	NA	0.718	0.021	ENSDART00000112955	similar to hCG30195
A_15_P205251	ZDB-GENE-050302-80	0.523	0.001	scube2	signal peptide, CUB domain, EGF-like 2
A_15_P439270	NA	0.599	0.006	LOC556764	similar to Probable RNA-dependent helicase p72 (DEAD-box protein p72) (DEAD-box protein 17)
A_15_P631866	ZDB-GENE-980526-426	0.425	0.032	fli1a	friend leukemia integration 1a
A_15_P659346	ZDB-GENE-050522-368	1.482	0.011	mcee	methylmalonyl CoA epimerase
A_15_P226141	NA	1.948	0.001	LOC570577	integrin alpha 2-like
A_15_P265376	NA	2.327	0.007	sdccag3	serologically defined colon cancer antigen 3-like
A_15_P106502	ZDB-GENE-050506-131	0.407	0	zgc:174506	zgc:174506
A_15_P100097	ZDB-GENE-050706-140	1.45	0.012	zgc:112345	zgc:112345
A_15_P396525	ZDB-GENE-040426-1037	2.556	0.008	zgc:56466	zgc:56466
A_15_P490942	ZDB-GENE-050624-1	1.502	0.024	angptl2	angiotensin-like 2
A_15_P115813	ZDB-GENE-040426-2504	1.417	0.018	tmub1	transmembrane and ubiquitin-like domain containing 1
A_15_P112037	ZDB-GENE-030131-5742	1.394	0.039	enc1	ectodermal-neural cortex (with BTB-like domain)

A_15_P660086	ZDB-GENE-000517-1	1.445	0.036	fgd	faciogenital dysplasia
A_15_P136251	NA	1.746	0.001	LOC796776	hypothetical LOC796776
A_15_P605857	NA	0.692	0.03	LOC100005963	zinc finger protein 281-like
A_15_P749971	ZDB-GENE-070615-37	0.639	0.017	zgc:165617	zgc:165617
A_15_P222246	ZDB-GENE-030131-760	1.668	0.003	ip6k2	inositol hexaphosphate kinase 2
A_15_P721218	ZDB-GENE-040426-2348	1.688	0.033	zgc:85946	zgc:85946
A_15_P140626	ZDB-GENE-050320-154	1.929	0.019	zgc:113516	zgc:113516
A_15_P655091	NA	1.913	0.017	crfa31.2	IL-4RA-like protein 2
A_15_P107649	ZDB-GENE-040426-1897	1.736	0.002	naprt1	nicotinate phosphoribosyltransferase domain containing 1
A_15_P110810	ZDB-GENE-040426-2058	1.738	0.011	hacl1	2-hydroxyacyl-CoA lyase 1
A_15_P176031	ZDB-GENE-020225-28	1.728	0.05	nitr2a	novel immune-type receptor 2a
A_15_P104912	ZDB-GENE-040426-1364	2.318	0.021	slc16a9a	solute carrier family 16 (monocarboxylic acid transporters), member 9a
A_15_P649131	ZDB-GENE-090313-135	0.654	0.041	si:ch73-15j19.1	si:ch73-15j19.1
A_15_P668281	NA	0.307	0.05	LOC793325	pheromone receptor
A_15_P621556	ZDB-GENE-040426-1892	1.615	0.013	dyx1c1	dyslexia susceptibility 1 candidate 1
A_15_P166861	ZDB-GENE-980526-291	0.573	0.007	hoxb8b	homeo box B8b
A_15_P178506	NA	0.674	0.024	ENSDART00000113461	protocadherin 11 X-linked-like
A_15_P110278	ZDB-GENE-040426-1820	1.419	0.026	pdpk1b	3-phosphoinositide dependent protein kinase-1b
A_15_P371925	NA	1.609	0.015	TC382455	hypothetical LOC799721
A_15_P631401	ZDB-GENE-081022-24	4.316	0.001	zgc:193681	zgc:193681
A_15_P164496	ZDB-GENE-041111-310	1.449	0.019	si:ch211-212o1.2	si:ch211-212o1.2
A_15_P345210	ZDB-GENE-030131-5975	1.402	0.015	klhl26	kelch-like 26 (Drosophila)
A_15_P162141	ZDB-GENE-041104-1	0.64	0.023	prmt2	protein arginine methyltransferase 2
A_15_P244716	ZDB-GENE-081022-119	1.914	0.001	zgc:194508	zgc:194508
A_15_P481350	NA	0.574	0.014	LOC571446	hypothetical LOC571446
A_15_P571522	ZDB-GENE-070820-8	0.756	0.046	mntb	MAX binding protein b
A_15_P274441	ZDB-GENE-030131-7850	0.7	0.015	anp32a	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A
A_15_P119258	ZDB-GENE-030616-612	1.297	0.049	atp6v1c1a	ATPase, H <sup>+</sup> transporting, lysosomal, V1 subunit C, isoform 1a
A_15_P157006	ZDB-GENE-030326-6	1.553	0.021	snai2	snail homolog 2 (Drosophila)
A_15_P154581	NA	1.591	0.003	ENSDART00000078041	hypothetical protein LOC553454

A_15_P116203	ZDB-GENE-030616-56	1.734	0.004	ccdc80	coiled-coil domain containing 80
A_15_P154491	ZDB-GENE-070117-2501	0.726	0.035	sec24d	SEC24 family, member D ( <i>S. cerevisiae</i> )
A_15_P173066	ZDB-GENE-010906-1	0.684	0.049	ache	acetylcholinesterase
A_15_P340150	ZDB-GENE-080305-6	0.713	0.021	zgc:174646	zgc:174646
A_15_P632146	ZDB-GENE-060315-3	0.644	0.004	cnpy1	canopy1
A_15_P105059	ZDB-GENE-040426-2767	1.396	0.041	zgc:56518	zgc:56518
A_15_P112590	ZDB-GENE-040426-1366	0.384	0	zgc:64101	zgc:64101
A_15_P176146	ZDB-GENE-021115-8	1.413	0.016	kars	lysyl-tRNA synthetase
A_15_P116044	ZDB-GENE-040801-233	1.551	0.006	zgc:92033	zgc:92033
A_15_P705241	NA	2.137	0.001	TC415610	hypothetical LOC100151441
A_15_P434245	ZDB-GENE-060526-14	0.377	0.002	antxr2a	anthrax toxin receptor 2a
A_15_P240721	NA	0.542	0.01	EH491485	olfactomedin related ER localized protein-like
A_15_P662771	ZDB-GENE-040718-439	0.686	0.011	cdc34b	cell division cycle 34 homolog ( <i>S. cerevisiae</i> ) b
A_15_P104846	ZDB-GENE-040426-2826	0.55	0.037	aqp3a	aquaporin 3a
A_15_P174241	ZDB-GENE-040426-2249	0.42	0.001	oat	organic anion transporter
A_15_P320836	ZDB-GENE-070410-90	1.759	0.002	zgc:162630	zgc:162630
A_15_P209336	ZDB-GENE-040426-1164	2.398	0.001	zgc:63566	zgc:63566
A_15_P426375	ZDB-GENE-041114-24	1.417	0.032	rpia	ribose 5-phosphate isomerase A (ribose 5-phosphate epimerase)
A_15_P118163	ZDB-GENE-081002-4	1.335	0.038	ENSDART00000043823	oxysterol binding protein-like 10
A_15_P116729	ZDB-GENE-030709-1	0.723	0.025	slc34a2b	solute carrier family 34 (sodium phosphate), member 2b
A_15_P179791	ZDB-GENE-980526-372	0.626	0.017	pou3f1	POU class 3 homeobox 1
A_15_P114250	ZDB-GENE-040426-1837	1.984	0.021	zgc:77419	zgc:77419
A_15_P100952	ZDB-GENE-000607-75	1.99	0.001	noc2l	nucleolar complex associated 2 homolog ( <i>S. cerevisiae</i> )
A_15_P261686	ZDB-GENE-051113-116	2.183	0.004	zgc:122989	zgc:122989
A_15_P119127	ZDB-GENE-040718-19	0.494	0	tspan13a	tetraspanin 13a
A_15_P743291	ZDB-GENE-030131-1862	0.647	0.005	fign1	fidgetin-like 1
A_15_P569267	ZDB-GENE-060503-458	1.502	0.017	si:dkey-78k11.1	si:dkey-78k11.1
A_15_P120463	ZDB-GENE-031030-13	1.563	0.011	ngdn	neuroguidin, EIF4E binding protein
A_15_P221641	ZDB-GENE-030131-879	0.575	0.012	pdip5	protein disulfide isomerase-related protein (provisional)
A_15_P199276	ZDB-GENE-010724-4	0.529	0.002	mpz	myelin protein zero

A_15_P112575	ZDB-GENE-040426-1205	1.405	0.042	xpa	xeroderma pigmentosum, complementation group A
A_15_P178361	ZDB-GENE-050622-16	0.632	0.039	ENSDART00000099868	kinesin family member 15
A_15_P134496	ZDB-GENE-040707-1	0.567	0.03	irx1a	iroquois homeobox protein 1, a
A_15_P175281	ZDB-GENE-030131-3809	1.52	0.007	src	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)
A_15_P176426	NA	1.47	0.013	naa15b	N(alpha)-acetyltransferase 15, NatA auxiliary subunit b, NMDA receptor-regulated gene 1b-like
A_15_P556817	NA	0.686	0.028	LOC558937	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 32-like
A_15_P113817	ZDB-GENE-030131-7880	0.615	0.023	osgep	O-sialoglycoprotein endopeptidase
A_15_P132566	ZDB-GENE-040625-107	1.422	0.015	arpc3	actin related protein 2/3 complex, subunit 3
A_15_P629511	ZDB-GENE-051113-108	15.047	0	zgc:123272	zgc:123272
A_15_P114620	ZDB-GENE-030131-5511	0.72	0.02	nasp	nuclear autoantigenic sperm protein (histone-binding)
A_15_P594442	NA	0.671	0.013	ENSDART00000112589	ephrin-A2-like
A_15_P119865	NA	0.669	0.012	LOC325449	kinesin family member 20A
A_15_P631166	ZDB-GENE-060825-174	1.566	0.03	zgc:153393	zgc:153393
A_15_P490977	ZDB-GENE-030131-3788	0.747	0.036	si:ch73-70k4.1	si:ch73-70k4.1
A_15_P706866	ZDB-GENE-090312-218	1.695	0.05	wu:fd21c10	si:ch73-90k17.1
A_15_P196601	NA	0.705	0.034	LOC565785	proline racemase-like
A_15_P188566	NA	3.7	0	LOC100006599	meteorin-like protein-like
A_15_P630381	ZDB-GENE-050309-170	1.737	0.025	zgc:165635	zgc:165635
A_15_P107983	ZDB-GENE-040426-1703	1.535	0.025	fhit	fragile histidine triad gene
A_15_P240487	NA	1.516	0.032	LOC566640	solute carrier family 22 member 1-like
A_15_P461525	ZDB-GENE-041114-103	0.476	0.005	zgc:101780	zgc:101780
A_15_P206191	ZDB-GENE-050417-276	2.274	0.004	zgc:112519	zgc:112519
A_15_P106440	ZDB-GENE-000616-3	1.769	0.004	caspa	caspase a
A_15_P131056	ZDB-GENE-060503-585	1.67	0.033	slc5a5	solute carrier family 5 (sodium iodide symporter), member 5
A_15_P685616	ZDB-GENE-090312-196	1.626	0.044	TC386153	collagen, type XIX, alpha 1
A_15_P668351	ZDB-GENE-030131-1665	0.691	0.015	wdhd1	WD repeat and HMG-box DNA binding protein 1
A_15_P121473	ZDB-GENE-041014-359	1.618	0.029	flvcr1	feline leukemia virus subgroup C cellular receptor 1
A_15_P753227	NA	0.523	0.001	si:busm1-118j2.5	si:busm1-118j2.5, hemoglobin beta embryonic-1.1, similar to embryonic 1 beta-globin, embryonic 1 beta-globin family member
A_15_P160861	ZDB-GENE-061013-5	1.8	0.003	metap2l	methionyl aminopeptidase 2 like
A_15_P725601	ZDB-GENE-020507-3	0.62	0.002	vangl2	vang-like 2 (van gogh, Drosophila)

A_15_P746186	ZDB-GENE-040426-2898	0.451	0.001	ccni	cyclin I
A_15_P135211	ZDB-GENE-050208-312	1.576	0.007	zgc:194819	zgc:194819
A_15_P119274	ZDB-GENE-990415-50	0.631	0.008	dlx4b	distal-less homeobox gene 4b
A_15_P654996	ZDB-GENE-070426-1	6.221	0.003	ghrh	growth hormone releasing hormone
A_15_P162956	ZDB-GENE-050417-368	1.408	0.045	zgc:110197	zgc:110197
A_15_P766446	ZDB-GENE-061009-11	1.445	0.024	si:ch211-217k17.7	si:ch211-217k17.7
A_15_P736876	ZDB-GENE-050522-145	0.515	0.004	marcksa	myristoylated alanine rich protein kinase C substrate a
A_15_P151971	ZDB-GENE-050306-44	1.74	0.003	ywhae2	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide 2
A_15_P300741	ZDB-GENE-080225-18	0.419	0.013	TC377862	si:dkey-205h13.2
A_15_P236096	ZDB-GENE-080102-1	0.627	0.007	sh2d3ca	SH2 domain containing 3Ca
A_15_P343825	ZDB-GENE-031110-4	0.677	0.021	tubb5	tubulin, beta 5
A_15_P507057	ZDB-GENE-040426-2942	0.728	0.028	creb3l3l	cAMP responsive element binding protein 3-like 3 like
A_15_P153806	ZDB-GENE-070410-99	0.622	0.031	si:dkey-170e5.1	replication factor C (activator 1) 1
A_15_P120325	ZDB-GENE-030131-8043	1.984	0.002	trim9	tripartite motif-containing 9
A_15_P664741	ZDB-GENE-081028-19	1.574	0.023	si:dkey-177p5.2	si:dkey-177p5.2
A_15_P113221	NA	1.394	0.023	LOC564528	similar to inositol 1,4,5-trisphosphate 3-kinase A
A_15_P405855	ZDB-GENE-070912-407	0.692	0.007	si:dkey-18l1.1	si:dkey-18l1.1
A_15_P758639	NA	8.241	0	NP13327258	si:dkey-264b2.3, Gag-Pol polyprotein-like
A_15_P751191	ZDB-GENE-010131-8	0.708	0.021	ctsd	cathepsin D
A_15_P655981	ZDB-GENE-040308-1	1.63	0.012	traf4a	tnf receptor-associated factor 4a
A_15_P145746	NA	1.769	0.001	LOC561321	novel protein similar to vertebrate LAS1-like ( <i>S. cerevisiae</i> ) (LAS1L)
A_15_P772746	NA	1.369	0.021	TC390346	transient receptor potential cation channel, subfamily M, member 4-like
A_15_P449745	NA	1.82	0.001	EH442016	zinc finger protein 37 homolog
A_15_P114779	ZDB-GENE-050201-3	0.476	0.001	fgfr1b	fibroblast growth factor receptor-like 1b
A_15_P113290	ZDB-GENE-030131-7662	0.721	0.039	dfna5	deafness, autosomal dominant 5
A_15_P737476	ZDB-GENE-081104-75	0.68	0.024	si:ch1073-192f24.1	si:ch1073-192f24.1
A_15_P741001	ZDB-GENE-041008-25	1.565	0.012	si:ch211-105d11.3	si:ch211-105d11.3
A_15_P659791	ZDB-GENE-030131-7191	1.723	0.004	si:dkey-9a20.6	si:dkey-9a20.6
A_15_P569932	NA	0.716	0.022	ENSDART00000003511	lethal giant larvae homolog 1-like
A_15_P155931	ZDB-GENE-060810-52	0.607	0.002	ENSDART000000031308	SH3 and PX domains 2B



A_15_P111324	ZDB-GENE-040426-2910	1.603	0.02	gyg1	glycogenin 1
A_15_P521542	ZDB-GENE-090427-2	1.983	0.001	pcsk1nl	proprotein convertase subtilisin/kexin type 1 inhibitor, like
A_15_P163121	ZDB-GENE-060503-863	1.848	0.013	si:ch211-191i18.3	si:ch211-191i18.3
A_15_P159646	ZDB-GENE-030131-4120	0.69	0.024	TC367187	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)
A_15_P141291	ZDB-GENE-050208-347	0.632	0.021	si:dkeyp-31e2.1	si:dkeyp-31e2.1
A_15_P577542	NA	0.594	0.032	ENSDART00000091388	cyclin-dependent kinase inhibitor 2D-like
A_15_P101452	ZDB-GENE-021028-1	2.074	0.002	npm1	nucleophosmin 1
A_15_P669721	ZDB-GENE-020228-2	0.674	0.024	sall1a	sal-like 1a (Drosophila)
A_15_P176561	ZDB-GENE-050417-209	6.365	0.049	gpd1a	glycerol-3-phosphate dehydrogenase 1a
A_15_P648291	NA	1.489	0.021	fcer1gl	Fc receptor, IgE, high affinity I, gamma polypeptide like, similar to homologue of high affinity IgE receptor gamma subunit
A_15_P671796	NA	0.614	0.015	EE700521	poly (ADP-ribose) polymerase family, member 14-like
A_15_P110051	ZDB-GENE-050306-42	1.391	0.031	bmp6	bone morphogenetic protein 6
A_15_P756571	ZDB-GENE-030131-5968	1.513	0.043	si:dkeyp-50f7.2	si:dkeyp-50f7.2
A_15_P206396	ZDB-GENE-040426-1236	1.58	0.007	pdcd2	programmed cell death 2
A_15_P150751	ZDB-GENE-061027-67	1.763	0.004	mylipb	myosin regulatory light chain interacting protein b
A_15_P103985	ZDB-GENE-041114-160	1.558	0.026	nsfl1c	NSFL1 (p97) cofactor (p47)
A_15_P160787	ZDB-GENE-060818-9	1.468	0.02	zgc:152698	zgc:152698
A_15_P282341	ZDB-GENE-030131-9116	1.679	0.005	cpn1	carboxypeptidase N, polypeptide 1
A_15_P195966	ZDB-GENE-080813-1	1.826	0.008	dmrt2b	doublesex and mab-3 related transcription factor 2b
A_15_P103237	ZDB-GENE-030131-1269	0.68	0.016	uqcrc2	ubiquinol-cytochrome c reductase core protein II
A_15_P763036	NA	1.653	0.012	NP13316601	neurotrophic factor artemin-like
A_15_P228656	ZDB-GENE-040426-1152	0.621	0.013	asl	argininosuccinate lyase
A_15_P621116	ZDB-GENE-040426-703	1.418	0.034	dcaf13	ddb1 and cul4 associated factor 13
A_15_P164911	NA	1.736	0.008	LOC100006971	mouse RING finger 1-like
A_15_P115942	ZDB-GENE-040426-1457	0.719	0.026	shox2	short stature homeobox 2
A_15_P172146	ZDB-GENE-050208-426	2.066	0.007	si:dkey-121a9.3	si:dkey-121a9.3
A_15_P166471	NA	0.692	0.03	LOC563403	hypothetical LOC563403
A_15_P178171	ZDB-GENE-050517-21	1.814	0.006	ENSDART00000089354	UDP-glucose glycoprotein glucosyltransferase 2
A_15_P719776	ZDB-GENE-040927-6	0.628	0.041	cnot3a	CCR4-NOT transcription complex, subunit 3a
A_15_P176291	ZDB-GENE-050417-400	3.173	0.013	zgc:110152	zgc:110152

A_15_P633826	ZDB-GENE-060825-1	1.972	0.027	cyp24a11	cytochrome P450, family 24, subfamily A, polypeptide 1, like
A_15_P106086	ZDB-GENE-060810-7	0.323	0.015	cry11	crystallin, lambda 1
A_15_P205116	ZDB-GENE-040801-89	0.539	0	mfsd2ab	major facilitator superfamily domain containing 2ab
A_15_P542867	ZDB-GENE-030131-6611	0.706	0.042	wu:fk48d07	wu:fk48d07
A_15_P634361	ZDB-GENE-070410-44	1.964	0.002	zgc:162229	zgc:162229
A_15_P113448	ZDB-GENE-040718-107	0.492	0.042	cryba1a	crystallin, beta A1a
A_15_P460945	ZDB-GENE-990415-128	1.827	0.007	six3b	sine oculis homeobox homolog 3b
A_15_P116538	ZDB-GENE-030425-4	0.717	0.021	ppm1g	protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform
A_15_P189441	ZDB-GENE-081105-138	1.66	0.015	si:ch211-163l21.10	si:ch211-163l21.10
A_15_P628516	ZDB-GENE-030819-1	0.636	0.012	tp63	tumor protein p63
A_15_P143336	ZDB-GENE-061013-567	0.657	0.003	zgc:153675	zgc:153675
A_15_P157996	ZDB-GENE-040426-2110	1.519	0.035	znf259	zinc finger protein 259
A_15_P115043	ZDB-GENE-990415-159	0.417	0.036	mt	metallothionein
A_15_P156946	ZDB-GENE-070216-1	0.464	0.007	otpa	orthopedia homolog a
A_15_P404620	ZDB-GENE-090313-7	1.568	0.017	si:ch211-103i6.5	si:ch211-103i6.5
A_15_P204571	NA	1.426	0.014	LOC569134	similar to socius
A_15_P738483	ZDB-GENE-020419-9	0.759	0.03	slc25a5	solute carrier family 25 alpha, member 5
A_15_P220881	ZDB-GENE-050522-117	0.614	0.012	zgc:110008	zgc:110008
A_15_P718821	ZDB-GENE-030131-9975	0.656	0.042	dact2	dapper homolog 2, antagonist of beta-catenin (xenopus)
A_15_P104309	ZDB-GENE-030131-6564	0.394	0	ap2b1	adaptor-related protein complex 2, beta 1 subunit
A_15_P441875	ZDB-GENE-030131-1072	0.279	0.013	comtd1	catechol-O-methyltransferase domain containing 1
A_15_P637271	ZDB-GENE-040426-1283	1.426	0.04	minal	MYC induced nuclear antigen-like
A_15_P105302	ZDB-GENE-051127-19	0.584	0.028	thnsl2	threonine synthase-like 2 (S. cerevisiae)
A_15_P738216	ZDB-GENE-040625-2	1.755	0.012	cyp51	cytochrome P450, family 51
A_15_P392570	NA	2.033	0.02	TC402018	hypothetical LOC100148510
A_15_P630396	ZDB-GENE-071004-98	1.822	0.044	zgc:171801	zgc:171801
A_15_P166331	ZDB-GENE-040426-1138	1.748	0.045	zgc:63504	zgc:63504
A_15_P160451	ZDB-GENE-080204-123	1.5	0.025	zgc:175264	zgc:175264
A_15_P148911	ZDB-GENE-060610-3	1.44	0.023	crb3b	crumbs homolog 3b
A_15_P460240	NA	0.504	0.005	LOC567883	NOD-like receptor C

A_15_P102431	ZDB-GENE-030131-3973	1.622	0.022	si:ch211-89p1.3	si:ch211-89p1.3
A_15_P140941	ZDB-GENE-030128-4	0.592	0.012	smad3b	MAD, mothers against decapentaplegic homolog 3b (Drosophila)
A_15_P164461	ZDB-GENE-011015-1	1.356	0.04	smad6a	SMAD family member 6a
A_15_P597917	ZDB-GENE-030131-8455	1.381	0.027	wu:fb53c12	wu:fb12c09
A_15_P147416	ZDB-GENE-070705-490	1.911	0.011	si:dkey-711l.7	si:dkey-711l.7
A_15_P673816	ZDB-GENE-061027-365	1.776	0.006	zgc:153665	zgc:153665
A_15_P661821	ZDB-GENE-040718-21	2.374	0.006	zgc:100799	zgc:100799
A_15_P620716	ZDB-GENE-050320-45	2.724	0.001	rpp30	ribonuclease P/MRP 30 subunit
A_15_P626481	ZDB-GENE-030911-2, ZDB-GENE-080218-30	1.602	0.03	gstm	glutathione S-transferase M, zgc:173994
A_15_P102850	ZDB-GENE-010410-3	0.574	0.021	glra4a	glycine receptor, alpha 4a
A_15_P194921	ZDB-GENE-050522-480	0.665	0.012	zgc:110708	zgc:110708
A_15_P520262	ZDB-GENE-030131-4983	1.681	0.001	TC387324	si:ch211-113p18.3
A_15_P530082	ZDB-GENE-980526-115	0.645	0.024	nr2f1a	nuclear receptor subfamily 2, group F, member 1a
A_15_P179576	ZDB-GENE-071004-39	1.408	0.05	zgc:171784	zgc:171784
A_15_P626246	ZDB-GENE-041114-120	1.749	0.006	glmna	glomulin, FKBP associated protein a
A_15_P750531	ZDB-GENE-020322-1	12.15	0	ccng1	cyclin G1
A_15_P520547	ZDB-GENE-030722-10	0.715	0.045	brd8	bromodomain containing 8
A_15_P204051	ZDB-GENE-040426-1274	2.282	0	sox4b	SRY-box containing gene 4b
A_15_P104882	ZDB-GENE-071004-82	0.631	0.018	mpp2a	membrane protein, palmitoylated 2a (MAGUK p55 subfamily member 2a)
A_15_P396715	ZDB-GENE-080204-81	0.594	0.002	zgc:175098	zgc:175098
A_15_P633346	ZDB-GENE-060825-97	1.62	0.021	wnt9a	wingless-type MMTV integration site family, member 9A
A_15_P109334	ZDB-GENE-040625-174	2.316	0	idh3b	isocitrate dehydrogenase 3 (NAD+) beta
A_15_P113027	ZDB-GENE-050517-5	0.684	0.011	abca5	ATP-binding cassette, sub-family A (ABC1), member 5
A_15_P173801	ZDB-GENE-060929-1194	0.51	0.001	minpp1a	multiple inositol polyphosphate histidine phosphatase, 1a
A_15_P397990	NA	1.549	0.039	LOC561535	p53 target zinc finger protein-like
A_15_P108747	ZDB-GENE-020213-2	1.455	0.022	mkrn2	makorin, ring finger protein, 2
A_15_P632756	ZDB-GENE-030131-8118	0.69	0.019	wu:fj53g11	wu:fj53g11
A_15_P188416	ZDB-GENE-061207-21	1.952	0.001	si:ch211-217k17.9	si:ch211-217k17.9
A_15_P349350	NA	1.36	0.044	EG587873	hypothetical protein LOC100332245
A_15_P194976	ZDB-GENE-030219-89	0.607	0.025	si:ch211-15i6.4	si:ch211-15i6.4

A_15_P100384	ZDB-GENE-040426-2012	0.597	0.002	wdr24	WD repeat domain 24
A_15_P119817	ZDB-GENE-051127-39	0.598	0.034	actn2	actinin, alpha 2
A_15_P120591	ZDB-GENE-050417-440	1.514	0.023	chrna5	cholinergic receptor, nicotinic, alpha 5
A_15_P755986	ZDB-GENE-030131-1007	1.309	0.05	prkar2aa	protein kinase, cAMP-dependent, regulatory, type II, alpha A
A_15_P136386	NA	0.672	0.046	LOC798958	solute carrier family 23 member 2-like
A_15_P624261	ZDB-GENE-031114-2	0.529	0.003	fam60al	family with sequence similarity 60, member A, like
A_15_P331464	ZDB-GENE-990712-15	0.684	0.018	mylz2	myosin, light polypeptide 2, skeletal muscle
A_15_P258736	ZDB-GENE-080226-7	0.54	0.01	sc:d0139	sc:d0139
A_15_P662261	ZDB-GENE-070928-7	1.464	0.041	zgc:171223	zgc:171223
A_15_P729496	ZDB-GENE-070410-122	0.425	0	zgc:162985	zgc:162985
A_15_P117723	ZDB-GENE-001106-1	1.989	0.001	wnt3a	wingless-type MMTV integration site family, member 3A
A_15_P157076	NA	0.492	0.004	ENSDART00000086091	pleckstrin homology domain containing, family A member 5-like
A_15_P100080	ZDB-GENE-060526-218	1.467	0.032	si:dkey-170o10.3	si:dkey-170o10.3
A_15_P731931	ZDB-GENE-030131-106	0.65	0.047	ctsl1a	cathepsin L, 1 a
A_15_P206661	ZDB-GENE-050417-67	1.668	0.013	zgc:110288	zgc:110288
A_15_P205466	ZDB-GENE-011128-11	1.52	0.048	gnat1	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 1
A_15_P152641	ZDB-GENE-050522-271	1.535	0.014	zgc:112038	zgc:112038
A_15_P287321	ZDB-GENE-080723-23	1.988	0.002	zgc:195096	sine oculis-related homeobox 2b
A_15_P592022	ZDB-GENE-030825-3	0.587	0.006	casp2	caspase 2, apoptosis-related cysteine protease
A_15_P428975	ZDB-GENE-060503-399	0.642	0.032	si:ch211-204a13.4	si:ch211-204a13.4
A_15_P113754	ZDB-GENE-040426-853	1.456	0.009	kdsr	3-ketodihydrosphingosine reductase
A_15_P491347	NA	0.371	0	TC381502	solute carrier family 23 (nucleobase transporters), member 3-like
A_15_P110154	ZDB-GENE-030131-6305	0.683	0.01	fbxw11a	F-box and WD-40 domain protein 11a
A_15_P665391	ZDB-GENE-030131-9100	1.705	0.002	wu:fa99c08	wu:fa99c08
A_15_P658921	ZDB-GENE-030131-2165	0.697	0.025	nfyc	nuclear transcription factor Y, gamma
A_15_P118181	ZDB-GENE-990714-21	0.365	0	tpsn	tapasin
A_15_P171976	ZDB-GENE-040718-184	0.683	0.043	zgc:92869	zgc:92869
A_15_P408895	NA	0.502	0.029	adcy5	adenylate cyclase 5, adenylate cyclase type 5-like
A_15_P152276	ZDB-GENE-050522-323	1.445	0.026	zgc:110270	zgc:110270
A_15_P113925	ZDB-GENE-081105-47	1.493	0.006	si:dkey-208b23.1	si:dkey-208b23.1

A_15_P637921	ZDB-GENE-021115-1	0.673	0.015	slc11a2	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2
A_15_P197536	ZDB-GENE-000502-1	0.678	0.029	bmpr1aa	bone morphogenetic protein receptor, type 1aa
A_15_P107988	ZDB-GENE-041111-162	0.627	0.01	gli3	GLI-Kruppel family member GLI3
A_15_P121352	ZDB-GENE-030131-4656	0.666	0.021	tmem9b	TMEM9 domain family, member B
A_15_P664856	ZDB-GENE-060421-2909	2.236	0.005	LOC553478	hypothetical protein LOC553478, zgc:136360
A_15_P117965	ZDB-GENE-040426-1816	0.644	0.019	rgl1	ral guanine nucleotide dissociation stimulator-like 1
A_15_P382670	ZDB-GENE-060331-65	14.086	0	zgc:136826	zgc:136826
A_15_P291216	ZDB-GENE-070821-2	1.611	0.032	cldn17	claudin 17
A_15_P496867	ZDB-GENE-050506-144	0.624	0.032	si:ch211-134j6.3	si:ch211-134j6.3
A_15_P118187	ZDB-GENE-040724-45	1.595	0.013	si:busm1-122b7.1	si:busm1-122b7.1
A_15_P106734	ZDB-GENE-040426-2281	0.251	0	zgc:77778	zgc:77778
A_15_P165516	ZDB-GENE-070119-4	4.755	0	bbc3	BCL2 binding component 3
A_15_P147276	ZDB-GENE-081022-111	0.543	0.013	zgc:194398	zgc:194398
A_15_P110609	ZDB-GENE-030131-478	0.672	0.006	ndufs1	NADH dehydrogenase (ubiquinone) Fe-S protein 1
A_15_P271851	ZDB-GENE-030131-4084	1.493	0.034	wu:fc69a03	wu:fc69a03
A_15_P650976	ZDB-GENE-070424-54	0.688	0.021	ptpro	protein tyrosine phosphatase, receptor type, O
A_15_P105470	ZDB-GENE-040426-1097	0.72	0.015	tmem57a	transmembrane protein 57a
A_15_P164231	ZDB-GENE-040718-379	1.346	0.025	nipal3	NIPA-like domain containing 3
A_15_P105247	ZDB-GENE-030131-4174	0.361	0.012	mt2	metallothionein 2
A_15_P722411	ZDB-GENE-040426-1798	0.549	0.025	zgc:77155	zgc:77155
A_15_P702681	ZDB-GENE-081105-28	1.432	0.027	si:ch211-286e11.3	si:ch211-286e11.3
A_15_P109571	ZDB-GENE-040704-22	0.647	0.033	cdc42ep4a	CDC42 effector protein (Rho GTPase binding) 4a
A_15_P100235	ZDB-GENE-050522-45	1.436	0.036	zgc:110621	serine/threonine/tyrosine interacting protein
A_15_P444620	NA	0.521	0.013	cplx3b	complexin 3b
A_15_P623461	ZDB-GENE-041220-1	0.442	0	tfr1a	transferrin receptor 1a
A_15_P138161	NA	1.37	0.031	frem1b	Fras-related extracellular matrix protein 1b
A_15_P101711	ZDB-GENE-040801-116	0.677	0.04	zgc:101017	zgc:101017
A_15_P720516	ZDB-GENE-031030-3	1.564	0.027	ddx49	DEAD (Asp-Glu-Ala-Asp) box polypeptide 49
A_15_P624581	ZDB-GENE-000928-1	0.553	0.01	fech	ferrochelatase
A_15_P521577	NA	0.666	0.044	ENSDART00000110792	hypothetical LOC100005957

A_15_P598827	ZDB-GENE-030131-9857	2.285	0.001	ENSDART00000051724	sb:cb474
A_15_P171656	ZDB-GENE-030911-7	0.663	0.014	disp1	dispatched homolog 1 (Drosophila)
A_15_P196106	ZDB-GENE-040426-1214	1.535	0.028	cdc14aa	CDC14 cell division cycle 14 homolog A (S. cerevisiae), a
A_15_P107533	ZDB-GENE-040426-1664	1.567	0.034	pde6c	phosphodiesterase 6C, cGMP-specific, cone, alpha prime
A_15_P226401	ZDB-GENE-030131-9689	0.432	0	ccne2	cyclin E2
A_15_P193581	ZDB-GENE-060825-247	0.628	0.041	zgc:153044	zgc:153044
A_15_P720451	ZDB-GENE-051113-124	1.815	0.004	zgc:123267	zgc:123267
A_15_P312406	NA	0.504	0.006	LOC100007229	novel immune type receptor-like
A_15_P644014	ZDB-GENE-050913-43	1.355	0.033	zgc:114140	zgc:114140
A_15_P163581	ZDB-GENE-050320-129	1.381	0.028	nenf	neuron derived neurotrophic factor
A_15_P111326	ZDB-GENE-030313-1	1.557	0.012	rapsn	receptor-associated protein of the synapse, 43kD
A_15_P720816	ZDB-GENE-040718-77	1.735	0.007	rbm34	RNA binding motif protein 34
A_15_P366290	ZDB-GENE-030131-8405	1.521	0.015	zgc:101121	zgc:101121
A_15_P597342	ZDB-GENE-041111-260	0.506	0.046	si:ch211-215h6.2	si:ch211-215h6.2
A_15_P471995	ZDB-GENE-060825-7	0.656	0.016	acsf2	acyl-CoA synthetase family member 2
A_15_P113738	ZDB-GENE-040426-954	1.34	0.049	zgc:56235	zgc:56235
A_15_P210691	ZDB-GENE-040426-1824	1.5	0.008	zgc:77358	zgc:77358
A_15_P175296	ZDB-GENE-030131-7291	1.563	0.011	capsl	calcyphosine-like
A_15_P101506	ZDB-GENE-030131-6872	0.602	0.012	mdm4	transformed 3T3 cell double minute 4 homolog (mouse)
A_15_P622946	ZDB-GENE-080215-22, ZDB-GENE-060503-612	1.64	0.009	zgc:172014	zgc:172014, si:dkey-106c17.2
A_15_P103561	NA	0.501	0.001	wnt8-2	wnt8-like protein 2
A_15_P242254	NA	0.695	0.022	LOC562592	alpha 1,2-mannosidase-like
A_15_P141661	ZDB-GENE-040928-1	1.907	0.012	hsd17b2	hydroxysteroid (17-beta) dehydrogenase 2
A_15_P375905	ZDB-GENE-070112-352	0.693	0.024	zgc:158671	zgc:158671
A_15_P131466	ZDB-GENE-990415-270	12.64	0	tp53	tumor protein p53
A_15_P115439	ZDB-GENE-030619-9	1.934	0.005	ctsc	cathepsin C
A_15_P115480	ZDB-GENE-030131-271	1.337	0.046	smyhc1	slow myosin heavy chain 1
A_15_P179736	ZDB-GENE-060526-247	16.257	0	si:dkey-204l11.1	si:dkey-204l11.1
A_15_P175891	ZDB-GENE-050327-68	1.404	0.046	ikbkg	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma
A_15_P209716	ZDB-GENE-990603-6	0.741	0.034	prim1	primase polypeptide 1

A_15_P657186	NA	3.665	0.037	LOC553462	hypothetical protein LOC553462
A_15_P241988	NA	0.489	0.012	NP13325781	serine/threonine protein kinase pim-3-like
A_15_P364120	NA	2.036	0.03	ENSDART00000108578	Cyclic nucleotide-gated cation channel-like
A_15_P107365	ZDB-GENE-040426-2273	0.633	0.032	znf207a	zinc finger protein 207, a
A_15_P720331	ZDB-GENE-040426-2204	1.582	0.005	sqstm1	sequestosome 1
A_15_P549587	ZDB-GENE-041010-22	1.598	0.007	glrx3	glutaredoxin 3
A_15_P140721	ZDB-GENE-060503-273	0.729	0.035	si:dkeyp-114f9.3	si:dkeyp-114f9.3
A_15_P662937	ZDB-GENE-050417-267	0.582	0.015	acta1a	actin, alpha 1a, skeletal muscle
A_15_P109540	ZDB-GENE-040718-12	1.51	0.025	ebp	emopamil binding protein (sterol isomerase)
A_15_P149266	ZDB-GENE-990415-267	0.67	0.035	foxg1a	forkhead box G1a
A_15_P491237	ZDB-GENE-070928-43	0.333	0	zgc:174931	zgc:174931
A_15_P114882	ZDB-GENE-990415-162	1.565	0.011	myca	myelocytomatosis oncogene a
A_15_P102524	ZDB-GENE-040426-780	2.108	0	mycb	myelocytomatosis oncogene b
A_15_P558222	NA	3.447	0	EH488776	hypothetical LOC100150699
A_15_P113007	NA	1.594	0.004	LOC555987	janus kinase and microtubule interacting protein 1-like
A_15_P188926	ZDB-GENE-070209-286	1.547	0.034	fxn	frataxin
A_15_P156511	NA	0.533	0.005	LOC555361	villin 1-like
A_15_P143386	ZDB-GENE-060503-248	0.704	0.036	si:dkey-222b8.1	si:dkey-222b8.1
A_15_P100172	ZDB-GENE-030131-5378	0.511	0.002	mynn	myoneurin
A_15_P585452	ZDB-GENE-990415-164	1.397	0.028	mef2d	myocyte enhancer factor 2d
A_15_P309531	NA	0.692	0.018	TC407700	proprotein convertase subtilisin/kexin type 6-like
A_15_P154196	ZDB-GENE-051030-72	1.676	0.007	atg10	ATG10 autophagy related 10 homolog (S. cerevisiae)
A_15_P116868	ZDB-GENE-040120-7	2.039	0.002	arpc5b	actin related protein 2/3 complex, subunit 5B
A_15_P117866	ZDB-GENE-030131-9837	1.645	0.007	wu:fi05d01	ribosomal RNA processing 1 homolog (S. cerevisiae)
A_15_P110632	ZDB-GENE-030131-6851	1.324	0.039	sh3glb1	SH3-domain GRB2-like endophilin B1
A_15_P185966	NA	5.156	0	LOC561988	Probable G-protein coupled receptor-like
A_15_P344837	NA	0.394	0.001	lpin1	lipin 1
A_15_P410100	ZDB-GENE-070209-32	0.71	0.038	zgc:158482	zgc:158482
A_15_P115570	ZDB-GENE-040426-1849	1.934	0.016	fkbp8	FK506 binding protein 8
A_15_P637321	NA	1.684	0.041	LOC794616	chemokine CCL-C10b

A_15_P624606	ZDB-GENE-040808-28	0.464	0.001	ndufaf2	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 2
A_15_P654521	ZDB-GENE-090710-4	0.59	0.026	ENSDART00000057910	neurogranin (protein kinase C substrate, RC3) a
A_15_P105609	NA	1.456	0.011	LOC797799	similar to serine protease, zgc:173425
A_15_P110063	NA	1.766	0.035	ENSDART00000097340	radial spokehead-like 1-like
A_15_P101984	ZDB-GENE-030131-9686	0.513	0.001	ENSDART00000008197	si:dkey-102m7.2
A_15_P120866	ZDB-GENE-050522-338	0.7	0.035	zgc:110231	zgc:110231
A_15_P310861	NA	0.612	0.009	ENSDART00000111137	small conductance calcium-activated potassium channel protein 2-like
A_15_P179731	ZDB-GENE-031116-3	0.308	0.003	zgc:158494	zgc:158494
A_15_P115603	ZDB-GENE-041210-170	0.674	0.041	si:ch211-239e6.4	si:ch211-239e6.4
A_15_P198046	ZDB-GENE-030131-8198	2.019	0.012	mtrf1l	mitochondrial translational release factor 1-like
A_15_P724521	ZDB-GENE-040718-350	2.202	0.018	zgc:92287	zgc:92287
A_15_P110425	ZDB-GENE-050522-202	0.729	0.04	zgc:112361	zgc:112361
A_15_P201766	ZDB-GENE-041008-117	6.619	0	si:dkey-145p14.5	si:dkey-145p14.5
A_15_P366045	ZDB-GENE-030131-1205	3.322	0.002	agt	angiotensinogen
A_15_P632251	ZDB-GENE-050327-14	1.376	0.038	pvr13l	poliovirus receptor-related 3 like
A_15_P154976	ZDB-GENE-040426-1891	1.548	0.029	zgc:77852	transmembrane protein 85
A_15_P191066	ZDB-GENE-070412-1	0.417	0.003	ENSDART00000075278	ATPase, (Na+)/K+ transporting, beta 4 polypeptide
A_15_P301246	ZDB-GENE-050706-83	0.7	0.034	ildr2	immunoglobulin-like domain containing receptor 2
A_15_P103389	ZDB-GENE-030131-9884	0.563	0.005	cpox	coproporphyrinogen oxidase
A_15_P571932	ZDB-GENE-990415-278	1.368	0.034	wnt10a	wingless-type MMTV integration site family, member 10a
A_15_P176766	ZDB-GENE-070719-7	0.588	0.042	usp47	ubiquitin specific peptidase 47
A_15_P376280	ZDB-GENE-061215-100	0.629	0.043	zgc:158375	zgc:158375
A_15_P101411	ZDB-GENE-040801-142	1.421	0.012	naa50	N(alpha)-acetyltransferase 50, NatE catalytic subunit
A_15_P731681	ZDB-GENE-050417-93	1.459	0.034	wdr92	WD repeat domain 92
A_15_P118741	ZDB-GENE-040718-44	48.263	0	rspo1	R-spondin homolog (Xenopus laevis)
A_15_P414260	NA	0.639	0.014	TC380708	Sp3-like
A_15_P419910	ZDB-GENE-061103-88	1.903	0.044	zgc:154042	zgc:154042
A_15_P346845	ZDB-GENE-030131-4678	2.841	0	rpz5	rapunzel 5
A_15_P172901	ZDB-GENE-050522-402	1.581	0.012	zgc:110020	zgc:110020
A_15_P677646	ZDB-GENE-050320-19	1.346	0.038	mrpl10	mitochondrial ribosomal protein L10



A_15_P652856	ZDB-GENE-990714-11	4.883	0	fsta	follistatin a
A_15_P164516	ZDB-GENE-070424-16	0.673	0.036	zgc:158449	zgc:158449
A_15_P634301	ZDB-GENE-050327-47	1.293	0.045	naa20	N(alpha)-acetyltransferase 20, NatB catalytic subunit
A_15_P349610	ZDB-GENE-030131-5838	0.68	0.012	cnot3b	CCR4-NOT transcription complex, subunit 3b
A_15_P728481	ZDB-GENE-050208-575	1.391	0.043	si:dkeyp-84a8.8	si:dkeyp-84a8.8
A_15_P279181	ZDB-GENE-010406-2	0.726	0.035	meis3	myeloid ecotropic viral integration site 3
A_15_P320531	ZDB-GENE-050410-9	3.926	0	glb1	galactosidase, beta 1
A_15_P138296	ZDB-GENE-050208-747	0.526	0.004	ENSDART00000089341	si:dkey-94n12.4
A_15_P179906	ZDB-GENE-090608-3	0.682	0.04	pcdh17	protocadherin 17
A_15_P209626	ZDB-GENE-060503-915	1.691	0.036	lpcat1	lysophosphatidylcholine acyltransferase 1
A_15_P760956	NA	0.392	0.009	NP13323536	polyprotein-like
A_15_P660146	ZDB-GENE-000128-13	0.693	0.025	dbx2	developing brain homeobox 2
A_15_P658551	ZDB-GENE-040318-1	1.758	0.031	fgf2	fibroblast growth factor 2
A_15_P438810	ZDB-GENE-040426-1978	4	0	zgc:73230	zgc:73230
A_15_P485760	ZDB-GENE-070424-77	1.677	0.042	zgc:162968	taxilin beta b
A_15_P181366	ZDB-GENE-080219-34	1.84	0.005	zgc:172250	zgc:172250
A_15_P411115	NA	1.324	0.048	ENSDART00000067066	poly (ADP-ribose) polymerase family, member 6-like
A_15_P620016	ZDB-GENE-980526-116	0.74	0.048	lhx1b	LIM homeobox 1b
A_15_P654736	ZDB-GENE-050417-171	0.546	0.002	zgc:112012	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D, like
A_15_P119707	ZDB-GENE-990415-237	0.68	0.037	rx2	retinal homeobox gene 2
A_15_P576892	ZDB-GENE-070410-7	1.528	0.021	zgc:158292	zgc:158292
A_15_P168031	NA	1.522	0.021	LOC570100	adrenomedullin 1-like
A_15_P101581	ZDB-GENE-040116-1	1.325	0.047	arpc1a	actin related protein 2/3 complex, subunit 1A
A_15_P111524	ZDB-GENE-010308-10	2.146	0.041	or111-11	odorant receptor, family D, subfamily 111, member 11
A_15_P744573	ZDB-GENE-060810-184	0.739	0.036	im:7163548	im:7163548
A_15_P148856	ZDB-GENE-081110-2	1.618	0.006	si:dkey-34f16.5	si:dkey-34f16.5
A_15_P142591	ZDB-GENE-040912-127	0.603	0.009	adam9	a disintegrin and metalloproteinase domain 9
A_15_P159436	ZDB-GENE-060503-87	1.7	0.004	si:dkeyp-15g12.1	si:dkeyp-15g12.1
A_15_P172776	ZDB-GENE-050417-304	0.419	0.001	zgc:112432	zgc:112432
A_15_P169891	ZDB-GENE-040426-1920	0.607	0.003	pdcd4a	programmed cell death 4a

A_15_P116849	ZDB-GENE-991209-6	0.627	0.015	sema3ab	semaphorin 3ab
A_15_P172006	ZDB-GENE-070720-17	0.67	0.009	plk2	polo-like kinase 2b (Drosophila)
A_15_P120900	ZDB-GENE-060312-21	1.967	0.009	cdc42l2	cell division cycle 42 like 2
A_15_P198141	ZDB-GENE-030710-2	0.558	0.007	rtn4b	reticulon 4b
A_15_P141806	ZDB-GENE-070822-20, ZDB-GENE-070822-25	0.411	0.042	zgc:171792	zgc:171792, zgc:173493
A_15_P296891	ZDB-GENE-070912-84	2.058	0.023	TC380173	si:ch211-147p17.2
A_15_P657406	NA	0.61	0.049	zgc:152648	zgc:152648
A_15_P242046	NA	1.385	0.047	ENSDART00000115217	hypothetical protein LOC100333305
A_15_P472010	ZDB-GENE-070112-1492	1.497	0.016	zgc:158225	zgc:158225
A_15_P116614	ZDB-GENE-030616-546	0.729	0.029	si:busm1-79m10.4	si:busm1-79m10.4
A_15_P180131	NA	0.624	0.009	ENSDART00000019047	similar to rtSox23
A_15_P442000	NA	2.782	0	TC379555	Tumor protein p53-inducible nuclear protein 2-like
A_15_P376030	ZDB-GENE-070112-1352	0.584	0.013	zgc:158644	zgc:158644
A_15_P367125	ZDB-GENE-040718-298	0.653	0.012	zgc:92763	zgc:92763
A_15_P174801	ZDB-GENE-050522-225	1.452	0.038	cyb5r4	cytochrome b5 reductase 4
A_15_P661076	ZDB-GENE-030131-8204	0.744	0.03	zgc:110077	zgc:110077
A_15_P100740	ZDB-GENE-041105-1	1.579	0.046	prmt3	protein arginine methyltransferase 3
A_15_P163591	ZDB-GENE-030407-3	1.337	0.035	zdhhc5	zinc finger, DHHC domain containing 5
A_15_P675836	ZDB-GENE-040912-88	0.662	0.047	sepx1b	selenoprotein X, 1b
A_15_P268761	ZDB-GENE-070424-241	0.563	0.03	TC374937	si:dkey-38k3.2
A_15_P451765	ZDB-GENE-060503-341	0.668	0.004	dot1l	DOT1-like, histone H3 methyltransferase (S. cerevisiae)
A_15_P429615	ZDB-GENE-030131-787	0.648	0.025	LOC558044	spectrin, beta, non-erythrocytic 1, spectrin, beta, non-erythrocytic 2
A_15_P131461	ZDB-GENE-980526-352	1.52	0.012	wnt4a	wingless-type MMTV integration site family, member 4a
A_15_P657126	ZDB-GENE-060519-25	1.842	0.001	zgc:136374	zgc:136374
A_15_P153851	ZDB-GENE-040426-2054	0.584	0.016	sult1st4	sulfotransferase family 1, cytosolic sulfotransferase 4
A_15_P156861	NA	3.055	0.001	LOC556621	chemokine CCL-C24j
A_15_P152076	ZDB-GENE-040426-2533	1.737	0.002	nup43	nucleoporin 43
A_15_P110932	ZDB-GENE-040426-749	1.512	0.012	slc25a14	solute carrier family 25 (mitochondrial carrier, brain), member 14
A_15_P625451	NA	0.508	0	LOC100148025	hypothetical protein LOC100148025
A_15_P649846	ZDB-GENE-071004-115, ZDB-GENE-050321-1	5.471	0.003	zgc:174006	zgc:174006, heat shock cognate 70-kd protein, like

A_15_P510042	ZDB-GENE-060825-351	1.808	0.005	spi1l	spleen focus forming virus (SFFV) proviral integration oncogene spi1 like
A_15_P320741	ZDB-GENE-080225-1	1.76	0.002	ENSDART00000110205	im:6893790
A_15_P542682	ZDB-GENE-000322-5, ZDB-GENE-070705-73	0.573	0.033	myhz1.1	myosin, heavy polypeptide 1.1, skeletal muscle, myosin, heavy polypeptide 1.2, skeletal muscle
A_15_P113260	ZDB-GENE-030826-31	0.593	0.019	gys2	glycogen synthase 2
A_15_P344200	NA	0.51	0.003	LOC100150696	similar to Zinc finger protein 264
A_15_P601542	ZDB-GENE-021209-1	0.501	0.002	mcm5	MCM5 minichromosome maintenance deficient 5 ( <i>S. cerevisiae</i> )
A_15_P439155	ZDB-GENE-070615-10	1.947	0.001	nrg2a	neuregulin 2a
A_15_P117887	ZDB-GENE-030131-9816	0.583	0.003	zgc:63569	zgc:63569
A_15_P739691	ZDB-GENE-070424-95	0.663	0.016	zgc:162925	zgc:162925
A_15_P246576	ZDB-GENE-041210-176	0.439	0.018	TC387584	si:dkey-202b22.6
A_15_P688951	ZDB-GENE-040426-2449	0.698	0.016	ift122	intraflagellar transport 122 homolog ( <i>Chlamydomonas</i> )
A_15_P207731	ZDB-GENE-050522-196	1.856	0.001	zgc:112365	zgc:112365
A_15_P100216	ZDB-GENE-040625-175	0.512	0.003	rcn3	reticulocalbin 3, EF-hand calcium binding domain
A_15_P103105	NA	2.272	0.006	sb:cb252	es1 protein-like
A_15_P561642	ZDB-GENE-060503-136, ZDB-GENE-990714-21	0.592	0.028	si:ch211-51f10.1	si:ch211-51f10.1, tapasin
A_15_P187196	ZDB-GENE-010525-1	0.333	0	slc4a1	solute carrier family 4, anion exchanger, member 1
A_15_P102079	ZDB-GENE-040927-27	0.569	0.008	phyhipl	phytanoyl-CoA 2-hydroxylase interacting protein-like
A_15_P721851	ZDB-GENE-030114-1	0.634	0.007	elovl6	ELOVL family member 6, elongation of long chain fatty acids (yeast)
A_15_P676036	ZDB-GENE-041117-1	0.482	0	ela2	elastase 2
A_15_P632051	ZDB-GENE-090812-1	0.625	0.005	slc2a13	solute carrier family 2 (facilitated glucose transporter), member 13
A_15_P726651	NA	1.499	0.023	EH540065	zinc finger protein 180-like
A_15_P664166	ZDB-GENE-980526-287	0.712	0.02	hbbe3	hemoglobin beta embryonic-3
A_15_P726681	ZDB-GENE-060306-3	1.879	0.003	fancf	Fanconi anemia, complementation group F
A_15_P107802	ZDB-GENE-080724-8	0.73	0.035	ctso	cathepsin O
A_15_P443230	ZDB-GENE-040426-1702	1.446	0.023	exosc4	exosome component 4
A_15_P151656	ZDB-GENE-030131-5561	0.638	0.014	mycl1b	v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived (avian) b
A_15_P272486	ZDB-GENE-030131-1365	1.488	0.021	tomm40	translocase of outer mitochondrial membrane 40 homolog (yeast)
A_15_P162656	ZDB-GENE-050417-241	0.691	0.022	zgc:112142	zgc:112142
A_15_P114798	ZDB-GENE-030826-1	2.089	0	birc5a	baculoviral IAP repeat-containing 5a
A_15_P215566	NA	1.844	0.015	TC377612	BCL2-like 12-like

A_15_P622671	ZDB-GENE-040426-839	1.478	0.016	ciao1	cytosolic iron-sulfur protein assembly 1 homolog (S. cerevisiae)
A_15_P144951	NA	1.343	0.039	LOC553326	hypothetical protein LOC553326
A_15_P197351	ZDB-GENE-060531-65	1.857	0.009	inaa	internexin neuronal intermediate filament protein, alpha a
A_15_P160901	ZDB-GENE-060929-124	1.526	0.042	pdgfab	platelet derived growth factor alpha b
A_15_P629086	ZDB-GENE-040426-859	1.6	0.005	sepsecs	Sep (O-phosphoserine) tRNA:Sec (selenocysteine) tRNA synthase
A_15_P365475	ZDB-GENE-050417-291	0.661	0.048	zgc:112072	zgc:112072
A_15_P665101	NA	0.658	0.012	LOC797948	hypothetical protein LOC797948
A_15_P132531	ZDB-GENE-030131-3902	0.637	0.033	rbm4.1	RNA binding motif protein 4.1
A_15_P626406	ZDB-GENE-990415-60	0.7	0.045	ek3	eph receptor B3a
A_15_P624196	ZDB-GENE-070822-19	0.368	0.03	crygm2d12	crystallin, gamma M2d12
A_15_P595917	NA	1.874	0.001	EH443637	epithelial mitogen-like
A_15_P239551	NA	1.379	0.024	ENSDART00000102658	nuclear transcription factor, X-box binding-like 1-like
A_15_P497367	NA	0.55	0.013	LOC795531	hypothetical LOC795531
A_15_P620056	ZDB-GENE-990415-206	1.821	0.003	pes	pescadillo
A_15_P719756	ZDB-GENE-030131-1673	1.453	0.024	dnajc11	DnaJ (Hsp40) homolog, subfamily C, member 11
A_15_P496962	ZDB-GENE-060929-112	1.55	0.022	zgc:152851	zgc:152851
A_15_P738236	NA	1.982	0.043	LOC567640	similar to laminin alpha 3
A_15_P115575	ZDB-GENE-030131-9685	1.845	0.001	ddx18	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18
A_15_P623661	ZDB-GENE-030131-8325	1.637	0.012	cotl1	coactosin-like 1 (Dictyostelium)
A_15_P206056	ZDB-GENE-040426-798	0.659	0.038	stk38l	serine/threonine kinase 38 like
A_15_P169076	ZDB-GENE-030131-5664	1.58	0.024	pfkfb1	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1
A_15_P140381	ZDB-GENE-051023-15	1.727	0.007	zgc:123172	zgc:123172
A_15_P470465	ZDB-GENE-030131-7476	1.509	0.02	si:ch73-13b6.3	si:ch73-13b6.3
A_15_P105229	ZDB-GENE-041010-141	2.142	0	zgc:103418	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2
A_15_P625096	ZDB-GENE-000710-6	1.702	0.016	mxtx2	mix-type homeobox gene 2
A_15_P183421	NA	1.936	0.004	LOC567047	apolipoprotein B-editing catalytic subunit 2b
A_15_P162271	ZDB-GENE-070410-116	0.621	0.008	zgc:162946	zgc:162946
A_15_P628085	ZDB-GENE-040426-1358	1.604	0.029	c6	complement component 6
A_15_P174226	ZDB-GENE-070822-9	1.488	0.029	icn2	ictacalcin 2
A_15_P545282	NA	0.479	0.002	LOC561947	hypothetical LOC561947

A_15_P287526	ZDB-GENE-040724-23	0.626	0.012	TC402880	si:ch211-168n16.1
A_15_P285916	ZDB-GENE-070912-491	1.428	0.043	smarcd3a	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3a
A_15_P519437	NA	1.534	0.033	EH588992	hypothetical LOC564635
A_15_P118642	ZDB-GENE-060929-970	0.728	0.04	fezf1	FEZ family zinc finger 1
A_15_P377920	ZDB-GENE-040426-1936	1.461	0.032	fbl	fibrillarin
A_15_P631441	ZDB-GENE-040426-1329	2.089	0.002	zgc:64002	zgc:64002
A_15_P168771	ZDB-GENE-070202-6	0.723	0.03	hs3st3l	heparan sulfate (glucosamine) 3-O-sulfotransferase 3-like
A_15_P176656	ZDB-GENE-040808-18	1.424	0.029	arpc4l	actin related protein 2/3 complex, subunit 4, like
A_15_P104402	ZDB-GENE-040426-1216	0.611	0.008	zgc:63658	zgc:63658
A_15_P183121	ZDB-GENE-040426-2084	2.038	0.044	irf10	interferon regulatory factor 10
A_15_P109253	ZDB-GENE-041114-23	0.547	0.001	glt8d1	glycosyltransferase 8 domain containing 1
A_15_P200456	ZDB-GENE-090313-409	0.573	0.001	TC409929	si:dkeyp-9c8.1
A_15_P741731	NA	2.528	0.028	LOC565904	RNA binding motif protein 7-like
A_15_P113238	ZDB-GENE-040718-142	0.179	0.001	decr1	2,4-dienoyl CoA reductase 1, mitochondrial
A_15_P102446	ZDB-GENE-040718-197	0.57	0.023	zgc:92851	zgc:92851
A_15_P109346	ZDB-GENE-050417-308	2.891	0	rhoub	ras homolog gene family, member Ub
A_15_P103835	ZDB-GENE-050309-124	1.626	0.003	lsm11	LSM11, U7 small nuclear RNA associated
A_15_P152441	ZDB-GENE-030616-15	1.405	0.026	scel	sciellin
A_15_P102677	ZDB-GENE-040426-1953	1.527	0.038	itpk1	inositol 1,3,4-triphosphate 5/6 kinase
A_15_P721476	ZDB-GENE-991110-17	2.566	0.001	psme1	proteasome activator subunit 1
A_15_P131847	ZDB-GENE-040206-1	2.02	0	fhla	four and a half LIM domains a
A_15_P198839	ZDB-GENE-030131-9028	0.676	0.023	myl12.2	myosin, light chain 12, genome duplicate 2
A_15_P106403	ZDB-GENE-020905-3	0.693	0.017	msh6	mutS homolog 6 (E. coli)
A_15_P100667	ZDB-GENE-030616-360	0.66	0.047	ENSDART00000033943	MAM domain containing 1
A_15_P149547	ZDB-GENE-070112-1372	0.677	0.013	zgc:158632	zgc:158632
A_15_P108991	ZDB-GENE-990415-245	0.63	0.025	elav1	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R)
A_15_P366595	ZDB-GENE-041010-169	0.726	0.044	syngn1a	synaptogyrin 1a
A_15_P161271	ZDB-GENE-041014-11	1.622	0.018	si:ch211-261f7.2	si:ch211-261f7.2
A_15_P187076	ZDB-GENE-030131-5857	0.733	0.026	znf652	zinc finger protein 652
A_15_P760406	NA	0.475	0.048	NP13322311	hypothetical LOC100001307

A_15_P741676	ZDB-GENE-030429-30	0.496	0.001	gmnn	geminin, DNA replication inhibitor
A_15_P373940	NA	1.683	0.018	ENSDART00000113187	hypothetical protein LOC100334824
A_15_P310486	NA	2.036	0.042	ENSDART00000108899	hypothetical protein LOC100334597
A_15_P668216	NA	1.446	0.043	psmd4a	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4a, hypothetical protein LOC797088
A_15_P309071	NA	1.865	0.018	LOC100003205	hypothetical LOC100003205, hypothetical protein LOC100333810
A_15_P147811	ZDB-GENE-040625-139	1.595	0.048	zgc:86757	zgc:86757
A_15_P391525	NA	0.553	0.019	EB935797	hypothetical LOC100002700
A_15_P257651	NA	1.412	0.018	TC378046	Fatty aldehyde dehydrogenase-like
A_15_P121125	NA	0.644	0.028	zplxdc2	plexin domain containing 2
A_15_P140966	ZDB-GENE-051120-105	0.575	0.014	zgc:123242	zgc:123242
A_15_P140491	ZDB-GENE-070831-1	0.61	0.014	kirrel3	kin of IRRE like 3 like
A_15_P764711	ZDB-GENE-060825-249	1.469	0.014	tmem103	transmembrane protein 103
A_15_P103192	ZDB-GENE-030505-1	1.915	0.009	foxi1	forkhead box I1
A_15_P674951	ZDB-GENE-090313-384	1.63	0.025	si:dkeyp-35f12.2	si:dkeyp-35f12.2
A_15_P102420	ZDB-GENE-041114-206	0.573	0.013	slc7a3	solute carrier family 7 (cationic amino acid transporter, y+ system), member 3
A_15_P625891	ZDB-GENE-030131-5913	1.395	0.048	trim24	tripartite motif-containing 24
A_15_P117822	ZDB-GENE-030131-4086	1.472	0.027	zgc:63904	zgc:63904
A_15_P111106	ZDB-GENE-050327-77	0.483	0.002	zgc:110540	zgc:110540
A_15_P235911	NA	0.71	0.036	ENSDART00000088168	carnitine palmitoyltransferase 1B-like
A_15_P186451	NA	1.587	0.033	ENSDART00000083267	DnaJ homolog subfamily C member 16-like
A_15_P395485	ZDB-GENE-070912-443	1.474	0.018	TC393222	aspartyl-tRNA synthetase 2, mitochondrial
A_15_P170196	ZDB-GENE-040426-929	1.967	0.001	pex12	peroxisomal biogenesis factor 12
A_15_P206736	ZDB-GENE-060503-628	0.554	0.033	si:dkey-236e20.2	si:dkey-236e20.2
A_15_P118514	ZDB-GENE-040426-1209	0.423	0.032	zgc:63647	zgc:63647
A_15_P120985	ZDB-GENE-030728-1	2.07	0.001	rgs9bp	regulator of G-protein signalling 9 binding protein
A_15_P104170	ZDB-GENE-010509-1	1.896	0.012	bcdo2l	beta-carotene 15, 15-dioxygenase 2, like
A_15_P141116	ZDB-GENE-060929-488	1.804	0.006	ctdsplb	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like b
A_15_P210651	ZDB-GENE-040426-2697	1.733	0.002	znf330	zinc finger protein 330
A_15_P722736	ZDB-GENE-060519-2	0.652	0.042	hao1	hydroxyacid oxidase (glycolate oxidase) 1
A_15_P620086	ZDB-GENE-030131-5705	1.57	0.009	zgc:66472	zgc:66472

A_15_P549712	NA	1.884	0.02	LOC100150702	hypothetical LOC100150702
A_15_P281316	ZDB-GENE-060825-337	1.816	0.003	zgc:153154	zgc:153154
A_15_P164416	ZDB-GENE-980526-487	0.355	0.002	cfb	complement factor B
A_15_P696626	ZDB-GENE-041010-51	1.965	0.002	c1qc	complement component 1, q subcomponent, C chain
A_15_P658073	ZDB-GENE-040426-2317	2.085	0	gnl2	guanine nucleotide binding protein-like 2 (nucleolar)
A_15_P118817	NA	1.57	0.009	TC390852	hypothetical protein LOC100333066
A_15_P140096	ZDB-GENE-031105-1	0.398	0.001	dpysl2	dihydropyrimidinase-like 2
A_15_P740212	ZDB-GENE-030131-5773	0.453	0.001	hpx	hemopexin
A_15_P109240	ZDB-GENE-030131-373	1.715	0.018	cst3	cystatin C (amyloid angiopathy and cerebral hemorrhage)
A_15_P182541	NA	0.627	0.035	LOC100003365	phosphoprotein associated with glycosphingolipid-enriched microdomains 1-like
A_15_P150596	ZDB-GENE-060531-166	1.427	0.032	si:rp71-10d23.3	si:rp71-10d23.3
A_15_P557227	NA	0.632	0.032	ENSDART00000102357	hypothetical protein LOC553451
A_15_P240406	NA	2.555	0.024	LOC556476	early B-cell factor 3-like
A_15_P195766	ZDB-GENE-040426-2789	1.707	0.006	srrm1	serine/arginine repetitive matrix 1
A_15_P108724	ZDB-GENE-010226-2	1.735	0.006	gfra1a	gdnf family receptor alpha 1a
A_15_P162001	ZDB-GENE-040718-331	1.528	0.029	rnd3b	Rho family GTPase 3b
A_15_P763551	NA	2.312	0.004	NP13317111	hypothetical protein LOC100332776
A_15_P370340	NA	0.636	0.008	LOC569113	novel protein similar to potassium channel tetramerisation domain containing 3 (KCTD3)
A_15_P498912	NA	1.829	0.002	ENSDART00000112142	hypothetical LOC563528
A_15_P115417	ZDB-GENE-040310-5	0.43	0.001	sfrp1a	secreted frizzled-related protein 1a
A_15_P639218	ZDB-GENE-050809-135	0.727	0.038	vti1a	vesicle transport through interaction with t-SNAREs homolog 1A (yeast)
A_15_P334704	ZDB-GENE-030131-7531	1.554	0.013	dsg2	desmoglein 2
A_15_P109767	ZDB-GENE-990415-205	0.699	0.04	vsx1	visual system homeobox 1 homolog, chx10-like
A_15_P654691	ZDB-GENE-050610-11	0.767	0.045	pcdh2g20	protocadherin 2 gamma 20
A_15_P366130	ZDB-GENE-041114-40	3.859	0.001	rnf24	ring finger protein 24
A_15_P143941	ZDB-GENE-081104-325	2.559	0.003	si:dkey-165a24.3	si:dkey-165a24.3
A_15_P114381	ZDB-GENE-041014-1	0.502	0.009	met	met proto-oncogene (hepatocyte growth factor receptor)
A_15_P761326	NA	3.748	0	NP13324704	Gap-Pol polyprotein-like
A_15_P115999	ZDB-GENE-991124-5	0.588	0.01	tbx4	T-box 4
A_15_P169581	ZDB-GENE-061215-96	1.65	0.014	zgc:158337	zgc:158337

A_15_P726631	ZDB-GENE-030131-576	1.903	0.023	clk4a	CDC-like kinase 4a
A_15_P308006	ZDB-GENE-060503-363	0.743	0.038	si:dkey-78d16.2	si:dkey-78d16.2
A_15_P309766	NA	2.119	0	ENSDART00000109799	elastin microfibril interfacier 1-like
A_15_P278866	ZDB-GENE-070928-39	1.587	0.044	zgc:173548	zgc:173548
A_15_P135256	NA	9.288	0	NP13317723	leukotriene B4 receptor 1-like
A_15_P132276	ZDB-GENE-031218-1	0.775	0.05	pbx3a	pre-B-cell leukemia transcription factor 3a
A_15_P488910	ZDB-GENE-070928-33	1.753	0.013	zgc:171802	zgc:171802
A_15_P142146	ZDB-GENE-030131-3527	0.621	0.006	e2f7	E2F transcription factor 7
A_15_P101365	ZDB-GENE-040426-1827	0.513	0.003	zgc:77375	zgc:77375
A_15_P183376	NA	1.623	0.018	ENSDART00000104753	F-box protein 6-like
A_15_P217166	ZDB-GENE-060929-868	0.705	0.044	zfp438	zinc finger protein 438
A_15_P259916	NA	0.602	0.044	EH579308	hypothetical protein LOC100331497
A_15_P168831	ZDB-GENE-980526-171	0.364	0	tbx6	T-box gene 6
A_15_P136326	ZDB-GENE-050518-2	0.53	0.001	lrp5	low density lipoprotein receptor-related protein 5
A_15_P620101	ZDB-GENE-030131-1731	0.599	0.032	lgi1a	leucine-rich, glioma inactivated 1a
A_15_P396060	ZDB-GENE-041014-251	1.401	0.029	slain2	SLAIN motif family, member 2
A_15_P135131	ZDB-GENE-090908-4	0.726	0.039	ENSDART00000008808	homeobox containing 1 b
A_15_P121099	ZDB-GENE-050417-3	1.334	0.049	41162	septin 10
A_15_P121278	ZDB-GENE-050522-412	1.481	0.03	spra	sepiapterin reductase a
A_15_P112066	ZDB-GENE-030131-5297	0.712	0.043	rpl12	ribosomal protein L12
A_15_P208891	ZDB-GENE-040914-7	1.613	0.029	prmt6	protein arginine methyltransferase 6
A_15_P175361	ZDB-GENE-050913-41	1.357	0.049	zgc:114142	zgc:114142
A_15_P681331	NA	0.299	0.001	TC396309	zinc finger protein 53-like
A_15_P111667	ZDB-GENE-040426-2210	0.654	0.033	zgc:85777	zgc:85777
A_15_P770119	NA	1.477	0.013	LOC797799	similar to serine protease, hypothetical protein LOC100149563
A_15_P107977	ZDB-GENE-030616-621	0.649	0.013	znf511	zinc finger protein 511
A_15_P131761	ZDB-GENE-990708-6	2.478	0	foxo3b	forkhead box O3b
A_15_P160591	ZDB-GENE-990715-10	0.525	0.011	skib	nuclear oncoprotein skib
A_15_P113434	NA	0.638	0.047	TC401373	neuronal pentraxin with chromo domain-like
A_15_P168276	ZDB-GENE-070410-65	1.488	0.032	zgc:162301	zgc:162301



A_15_P719911	ZDB-GENE-040912-164	1.668	0.002	zgc:92126	zgc:92126
A_15_P572238	ZDB-GENE-061110-43	1.483	0.043	zgc:153038	zgc:153038
A_15_P176666	ZDB-GENE-050522-48	1.693	0.044	gmpr	guanosine monophosphate reductase
A_15_P147091	ZDB-GENE-060531-91	1.576	0.006	npr3	natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C)
A_15_P118315	ZDB-GENE-040824-6	0.554	0.026	helt	hey-like transcription factor
A_15_P148136	ZDB-GENE-081210-3	0.597	0.006	igfbp1b	insulin-like growth factor binding protein 1b
A_15_P175356	ZDB-GENE-010328-17	0.606	0.026	bcl7b	B-cell CLL/lymphoma 7B, b
A_15_P113631	ZDB-GENE-990415-61	0.675	0.024	rtk4	eph receptor A4, like
A_15_P119317	NA	0.645	0.029	zgc:76887	zgc:76887, protein phosphatase 2, regulatory subunit B, delta-like
A_15_P757121	ZDB-GENE-060825-93	2.217	0.001	npr12	nitrogen permease regulator-like 2 (S. cerevisiae)
A_15_P276286	ZDB-GENE-060503-525	1.376	0.037	si:dkey-19011.1	si:dkey-19011.1
A_15_P529677	ZDB-GENE-070912-282	11.531	0	dnah7	dynein, axonemal, heavy chain 7
A_15_P192686	ZDB-GENE-040625-177	1.754	0.003	rpf1	ribosome production factor 1 homolog (S. cerevisiae)
A_15_P723336	ZDB-GENE-050419-45	1.538	0.015	gmgs	GDP-mannose 4,6-dehydratase
A_15_P117637	ZDB-GENE-040912-135	0.412	0.009	pfkma	phosphofructokinase, muscle a
A_15_P491062	NA	1.547	0.033	ENSDART00000060730	major histocompatibility complex, class II, DO alpha-like
A_15_P196776	NA	0.396	0.003	NP13324395	mCG141180-like
A_15_P625511	ZDB-GENE-031116-3, ZDB-GENE-060421-3062, ZDB-GENE-071004-119	0.377	0.001	zgc:158494	zgc:158494, zgc:136254, zgc:174237
A_15_P164011	ZDB-GENE-041010-137	1.468	0.019	cd151	CD151 molecule
A_15_P558917	NA	2.028	0.004	TC390327	zinc finger protein 300-like
A_15_P721431	ZDB-GENE-030131-1175	0.655	0.015	cd9a	CD9 antigen (p24) a
A_15_P118454	ZDB-GENE-060825-216	0.702	0.026	zgc:153243	zgc:153243
A_15_P621646	ZDB-GENE-040625-154	0.269	0.03	zgc:86723	zgc:86723
A_15_P738911	ZDB-GENE-040204-1	0.613	0.003	mdh1a	malate dehydrogenase 1a, NAD (soluble)
A_15_P168696	ZDB-GENE-041114-96	0.544	0.003	def8	differentially expressed in FDCP 8 homolog (mouse)
A_15_P457610	ZDB-GENE-001228-1	0.572	0.003	eomesa	eomesodermin homolog a
A_15_P108392	ZDB-GENE-030131-6034	1.516	0.005	cdv3	carnitine deficiency-associated gene expressed in ventricle 3
A_15_P337517	ZDB-GENE-070912-283	1.937	0.004	TC390949	si:ch211-284o19.1
A_15_P104961	ZDB-GENE-040718-261	0.591	0.006	asb13	ankyrin repeat and SOCS box-containing 13

A_15_P165731	ZDB-GENE-061013-179	0.575	0.016	zgc:153898	zgc:153898
A_15_P206361	ZDB-GENE-040426-1062	1.844	0.008	imp3	IMP3, U3 small nucleolar ribonucleoprotein, homolog (yeast)
A_15_P108955	ZDB-GENE-070912-716	0.547	0.013	tmem198a	transmembrane protein 198a
A_15_P637886	ZDB-GENE-040718-450	1.449	0.011	denr	density-regulated protein
A_15_P399843	NA	1.949	0.01	LOC798290	hypothetical protein LOC798290
A_15_P169016	ZDB-GENE-030131-6283	0.711	0.02	cuedc2	CUE domain containing 2
A_15_P198366	NA	0.728	0.022	mtf2	metal response element binding transcription factor 2, hypothetical protein LOC553361
A_15_P119740	ZDB-GENE-040426-2609	0.443	0	trib3	tribbles homolog 3 (Drosophila)
A_15_P444790	NA	0.596	0.036	ENSDART00000092579	hypothetical protein LOC100330769
A_15_P110392	ZDB-GENE-990415-28	1.486	0.006	ck2a2a	casein kinase 2 alpha 2a
A_15_P722116	ZDB-GENE-041210-73	1.533	0.031	hspa14	heat shock protein 14
A_15_P726141	ZDB-GENE-060929-120	1.967	0.001	zgc:152651	zgc:152651
A_15_P620396	ZDB-GENE-040426-2208	2.741	0.038	tmem37	transmembrane protein 37
A_15_P188471	ZDB-GENE-040712-1	1.404	0.049	ltv1	LTV1 homolog (S. cerevisiae)
A_15_P319101	ZDB-GENE-040812-3	2.388	0	cdkn1bl	cyclin-dependent kinase inhibitor 1b, like
A_15_P742511	ZDB-GENE-050417-57	4.6	0.026	zgc:110304	zgc:110304
A_15_P729421	ZDB-GENE-070112-172	0.556	0.003	zgc:158795	zgc:158795
A_15_P502982	ZDB-GENE-080211-1	0.665	0.041	TC388770	neuro-oncological ventral antigen 2
A_15_P118708	ZDB-GENE-050208-411	0.431	0.004	rdh5	retinol dehydrogenase 5 (11-cis/9-cis)
A_15_P379230	NA	0.593	0.01	LOC565638	connexin 43-like
A_15_P399575	NA	1.374	0.041	LOC100004906	hypothetical LOC100004906
A_15_P365765	ZDB-GENE-041007-5	0.686	0.009	efna1b	ephrin A1b
A_15_P284371	ZDB-GENE-050306-2	1.828	0.002	upp1	uridine phosphorylase 1
A_15_P367200	ZDB-GENE-051030-36	0.719	0.045	zgc:123177	zgc:123177
A_15_P103808	ZDB-GENE-040912-69	2.297	0	zgc:101565	zgc:101565
A_15_P626706	ZDB-GENE-070424-39	1.701	0.039	zgc:162756	zgc:162756
A_15_P748068	ZDB-GENE-030131-6664	1.521	0.021	anxa1a	annexin A1a
A_15_P158716	ZDB-GENE-030131-1770	0.691	0.011	si:ch211-203h15.3	si:ch211-203h15.3
A_15_P434805	ZDB-GENE-030131-2954	0.726	0.035	ENSDART00000059752	lipid phosphate phosphatase-related protein type 3b
A_15_P284016	ZDB-GENE-080917-16	0.57	0.017	ENSDART00000087589	si:ch211-152h14.2

A_15_P488460	ZDB-GENE-090421-3	0.275	0.003	mboat4	membrane bound O-acyltransferase domain containing 4
A_15_P447645	NA	4.858	0.001	LOC100151162	transmembrane protein 90B-like
A_15_P164976	NA	3.208	0	LOC795748	hypothetical LOC795748
A_15_P548752	ZDB-GENE-080403-1	0.393	0.001	ENSDART00000065660	nuclear receptor subfamily 0, group B, member 2a
A_15_P259186	NA	1.351	0.041	LOC563797	CD209 antigen-like protein E-like
A_15_P772191	NA	0.226	0.048	TC387330	hypothetical LOC795173
A_15_P441928	ZDB-GENE-070705-207	0.655	0.038	si:ch73-138e16.8	si:ch73-138e16.8
A_15_P113234	ZDB-GENE-041006-1	2.363	0.008	gtf3aa	general transcription factor IIIAa
A_15_P205706	ZDB-GENE-040812-2	1.897	0.021	caprin2	caprin family member 2
A_15_P674121	ZDB-GENE-040718-58	1.455	0.017	tjp2b	tight junction protein 2b (zona occludens 2)
A_15_P219481	ZDB-GENE-980526-16	0.557	0.006	ednrb1	endothelin receptor B
A_15_P176481	ZDB-GENE-070410-86	1.926	0.002	zgc:162608	zgc:162608
A_15_P195696	ZDB-GENE-061026-3	1.836	0.023	nyx	nyctalopin
A_15_P188766	NA	0.627	0.041	ENSDART00000081445	hypothetical protein LOC402829
A_15_P297286	ZDB-GENE-040426-1588	0.323	0.005	mxd3	MAX dimerization protein 3
A_15_P117513	ZDB-GENE-040108-1	0.685	0.04	chrnb3a	cholinergic receptor, nicotinic, beta polypeptide 3a
A_15_P632266	ZDB-GENE-040624-6	0.701	0.024	gpr98	G protein-coupled receptor 98
A_15_P395895	NA	0.567	0.003	LOC564068	endoplasmic reticulum aminopeptidase 1-like
A_15_P305041	ZDB-GENE-080220-21	0.744	0.044	zgc:175209	zgc:175209
A_15_P112160	ZDB-GENE-030131-9599	0.405	0.003	si:dkey-98p3.7	si:dkey-98p3.7
A_15_P724151	ZDB-GENE-030131-4189	1.361	0.043	kdelr2l	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2, like
A_15_P108922	ZDB-GENE-040426-2703	0.686	0.043	got2a	glutamic-oxaloacetic transaminase 2a, mitochondrial (aspartate aminotransferase 2)
A_15_P396930	NA	0.593	0.01	LOC562747	transcriptional repressor NAC1-like
A_15_P112233	ZDB-GENE-041010-44	1.486	0.015	ank1	ankyrin 1, erythrocytic
A_15_P725381	ZDB-GENE-040426-990	0.584	0.015	wdr45	WD repeat domain 45
A_15_P108176	ZDB-GENE-010102-1	0.655	0.02	dcn	decorin
A_15_P102434	NA	0.567	0.024	zgc:172294	zgc:172294, F-box and WD repeat domain containing 8-like
A_15_P628176	ZDB-GENE-050417-70	3.304	0.002	acer1	alkaline ceramidase 1
A_15_P106214	ZDB-GENE-030131-9097	0.695	0.025	zgc:77151	zgc:77151
A_15_P606427	ZDB-GENE-090312-199	0.592	0.03	TC421894	N-deacetylase/N-sulfotransferase (heparan glucosaminy) 3

A_15_P105385	ZDB-GENE-050327-19	1.679	0.008	ccdc76	coiled-coil domain containing 76
A_15_P119524	ZDB-GENE-030804-11	0.689	0.036	lbr	lamin B receptor
A_15_P706091	ZDB-GENE-000322-5, ZDB-GENE-070705-73, ZDB-GENE-020604-1	0.587	0.018	myh21.1	myosin, heavy polypeptide 1.1, skeletal muscle, myosin, heavy polypeptide 1.2, skeletal muscle, myosin, he
A_15_P202986	NA	1.405	0.043	ENSDART00000058027	hypothetical protein LOC407656
A_15_P293971	ZDB-GENE-030131-145	1.738	0.004	tim44	translocase of inner mitochondrial membrane 44 homolog (yeast)
A_15_P367450	ZDB-GENE-050417-340	1.368	0.047	zgc:110325	zgc:110325
A_15_P659257	ZDB-GENE-040426-1560	1.459	0.033	prmt7	protein arginine N-methyltransferase 7
A_15_P578227	ZDB-GENE-041212-76	2.154	0.001	foxj1b	forkhead box J1b
A_15_P734526	ZDB-GENE-030131-223	1.921	0.004	ssb	Sjogren syndrome antigen B (autoantigen La)
A_15_P563537	ZDB-GENE-030131-6266	0.41	0	ivns1abpb	influenza virus NS1A binding protein b
A_15_P257809	ZDB-GENE-040724-103	2.337	0.001	rd3	retinal degeneration 3
A_15_P113168	NA	1.704	0.024	LOC560826	novel protein similar to human chondroitin sulfate GalNAcT-2 (GALNACT-2)
A_15_P114717	ZDB-GENE-040912-44	0.574	0.018	zgc:103408	integrin beta 1 binding protein 3
A_15_P116715	ZDB-GENE-030131-7310	0.724	0.023	eef1b2	eukaryotic translation elongation factor 1 beta 2
A_15_P159621	ZDB-GENE-041210-210	0.717	0.032	cerk	ceramide kinase
A_15_P719376	ZDB-GENE-051120-69	3.015	0	zgc:123268	zgc:123268
A_15_P622141	ZDB-GENE-071004-18	1.881	0.001	zgc:171671	zgc:171671
A_15_P738511	ZDB-GENE-080219-23, ZDB-GENE-080215-9	0.736	0.038	zgc:172051	zgc:172051, zgc:172253
A_15_P112853	ZDB-GENE-030616-177	1.909	0.027	rnd2	Rho family GTPase 2
A_15_P445210	NA	0.66	0.011	ENSDART00000098307	hypothetical LOC568719
A_15_P148361	ZDB-GENE-030131-4524	1.396	0.033	sh3gl1a	SH3-domain GRB2-like 1a
A_15_P400075	ZDB-GENE-030102-2	1.345	0.027	ENSDART00000102837	zinc finger, CCHC domain containing 7- like
A_15_P665056	NA	0.517	0	myh2	myosin, heavy polypeptide 2, fast muscle specific, myosin, heavy polypeptide 2, fast muscle-like
A_15_P130641	ZDB-GENE-080226-5	0.526	0.048	sc:d0823	sc:d0823
A_15_P677256	ZDB-GENE-040718-389	1.703	0.002	zgc:92198	zgc:92198
A_15_P142276	ZDB-GENE-070917-3	0.471	0.004	tas1r3	taste receptor, type 1, member 3
A_15_P393280	ZDB-GENE-071024-1	1.436	0.033	nfkbiz	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta
A_15_P722036	ZDB-GENE-070705-73, ZDB-GENE-000322-5, ZDB-GENE-020604-1	0.555	0.002	myh21.2	myosin, heavy polypeptide 1.2, skeletal muscle, myosin, heavy polypeptide 1.1, skeletal muscle, myosin, heavy polypeptide 2, fast muscle specific
A_15_P635961	ZDB-GENE-080930-1	1.648	0.008	smyhc3	slow myosin heavy chain 3

A_15_P130741	ZDB-GENE-070130-1	0.592	0.014	nr0b1	nuclear receptor subfamily 0, group B, member 1
A_15_P394310	NA	1.394	0.02	ENSDART00000089234	novel protein similar to vertebrate solute carrier family 12, (potassium-chloride transporter)
A_15_P132996	ZDB-GENE-040724-165	0.725	0.025	ENSDART00000046546	intraflagellar transport 140 homolog (Chlamydomonas)
A_15_P402200	ZDB-GENE-030131-545	1.591	0.004	wu:fb36d12	wu:fb36d12
A_15_P746561	ZDB-GENE-000607-13	0.626	0.019	sox5	SRY-box containing gene 5
A_15_P596302	ZDB-GENE-030131-6705	0.608	0.016	TC407699	si:dkey-102m7.4
A_15_P110871	ZDB-GENE-030131-6757	0.573	0.019	pmp22a	peripheral myelin protein 22a
A_15_P111091	ZDB-GENE-060421-6479	1.581	0.021	gale	UDP-galactose-4-epimerase
A_15_P205916	ZDB-GENE-041203-2	0.541	0.023	foxp2	forkhead box P2
A_15_P711301	NA	0.684	0.022	LOC100150204	Uncharacterized protein C5orf25-like
A_15_P598722	ZDB-GENE-030131-6125	0.426	0	zgc:174906	zgc:174906
A_15_P196111	ZDB-GENE-050417-335	1.596	0.01	zgc:111983	zgc:111983
A_15_P545012	ZDB-GENE-070410-29	1.537	0.023	zgc:162175	zgc:162175
A_15_P177461	NA	1.877	0.009	LOC563713	hypothetical LOC563713
A_15_P105123	ZDB-GENE-040426-1906	1.686	0.047	ampd1	adenosine monophosphate deaminase 1 (isoform M)
A_15_P550722	ZDB-GENE-070705-257	0.369	0.004	si:ch211-80h18.1	si:ch211-80h18.1
A_15_P240206	NA	0.334	0.001	LOC567750	hypothetical LOC567750
A_15_P224781	ZDB-GENE-080403-11	0.543	0.014	kat2a	K(lysine) acetyltransferase 2A
A_15_P201016	NA	0.655	0.043	LOC553421	hypothetical protein LOC553421
A_15_P449570	ZDB-GENE-030131-3664	1.875	0.019	wu:fc48h10	wu:fc48h10
A_15_P193096	ZDB-GENE-040709-1	0.49	0.002	otomp	otolith matrix protein
A_15_P517822	ZDB-GENE-070912-449	0.529	0.013	si:dkey-223d7.5	si:dkey-223d7.5
A_15_P410225	ZDB-GENE-090313-326	1.598	0.019	si:dkey-71p21.12	si:dkey-71p21.12
A_15_P308316	NA	0.409	0.004	ENSDART00000109825	lamin-B receptor-like
A_15_P262466	ZDB-GENE-030131-5919	1.884	0.024	fxyd6	FXYP domain containing ion transport regulator 6
A_15_P142001	ZDB-GENE-030131-3767	0.634	0.035	tnika	TRAF2 and NCK interacting kinase a
A_15_P309076	ZDB-GENE-081105-100	1.884	0.03	TC368343	si:rp71-68n21.9
A_15_P265406	ZDB-GENE-081028-51	0.629	0.012	ENSDART00000006698	si:ch73-38f1.1
A_15_P622211	ZDB-GENE-071004-101, ZDB-GENE-071004-119	0.306	0.001	zgc:173443	zgc:173443, zgc:174237
A_15_P214196	ZDB-GENE-050823-3	0.584	0.006	gpr146	G protein-coupled receptor 146

A_15_P272266	ZDB-GENE-980526-474	1.666	0.015	bmp2b	bone morphogenetic protein 2b
A_15_P667986	ZDB-GENE-040718-125	1.394	0.045	zgc:92655	zgc:92655
A_15_P199086	ZDB-GENE-070912-288	0.246	0	si:ch211-284o19.6	si:ch211-284o19.6
A_15_P190546	ZDB-GENE-030131-5286	1.635	0.028	polr1a	polymerase (RNA) I polypeptide A
A_15_P658581	ZDB-GENE-020402-3	0.686	0.045	dacha	dachshund a
A_15_P758961	NA	2.333	0.002	TC406523	hCG2038584-like
A_15_P170351	ZDB-GENE-040801-20	0.648	0.016	zgc:100906	zgc:100906
A_15_P107762	ZDB-GENE-041114-3	0.524	0.007	ankrd9	ankyrin repeat domain 9
A_15_P240376	NA	0.657	0.025	LOC100000353	casein kinase 1, delta-like
A_15_P101860	ZDB-GENE-040718-388	0.604	0.027	acss2	acyl-CoA synthetase short-chain family member 2
A_15_P102757	ZDB-GENE-030619-14	0.391	0.004	plk4	polo-like kinase 4 (Drosophila)
A_15_P597942	ZDB-GENE-030131-5935	1.798	0.002	wu:fb34c08	phoenix
A_15_P296716	ZDB-GENE-041010-125	0.341	0	tspo	translocator protein
A_15_P132291	ZDB-GENE-040426-1787	1.473	0.006	pcbd1	6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1)
A_15_P629831	ZDB-GENE-081022-117	0.356	0	fam20a	family with sequence similarity 20, member A
A_15_P492892	NA	0.471	0.003	LOC100333759	Cl119 protein-like
A_15_P629516	ZDB-GENE-060526-337	1.398	0.011	pja2	praja ring finger 2
A_15_P106474	ZDB-GENE-030131-9049	1.434	0.033	mbd2	methyl-CpG binding domain protein 2
A_15_P159251	ZDB-GENE-030131-8026	1.711	0.012	ENSDART00000091151	NEL-like 2b
A_15_P441850	NA	0.434	0.009	LOC559147	novel protein similar to vertebrate hairy and enhancer of split 2 (Drosophila) (HES2)
A_15_P120684	ZDB-GENE-061110-91	1.378	0.042	srl	sarcalumenin
A_15_P101132	ZDB-GENE-050227-9	0.371	0.001	LOC554876	hypothetical protein LOC554876, zgc:113424
A_15_P550982	NA	0.704	0.048	TC414104	insulin receptor substrate 1-like
A_15_P103471	NA	0.713	0.041	tmem55bb	transmembrane protein 55B-B
A_15_P659201	ZDB-GENE-040426-1565	1.524	0.019	acsl4a	acyl-CoA synthetase long-chain family member 4a
A_15_P759241	NA	0.484	0.001	NP13318878	hypothetical protein LOC100334946, hypothetical protein LOC100329712
A_15_P149346	ZDB-GENE-030131-9654	2.204	0	aatf	apoptosis antagonizing transcription factor
A_15_P774626	NA	0.38	0.002	TC415144	mCG142610-like, zinc finger protein 53-like
A_15_P174891	ZDB-GENE-020829-1	0.576	0.006	sim1a	single-minded homolog 1a (Drosophila)
A_15_P749416	ZDB-GENE-010508-1	1.428	0.04	bcmo1	beta-carotene 15,15'-monooxygenase 1

A_15_P104116	ZDB-GENE-040426-2828	0.607	0.001	zgc:55521	zgc:55521
A_15_P731906	ZDB-GENE-030822-1	0.457	0.002	tuba1	tubulin, alpha 1
A_15_P737241	ZDB-GENE-030131-1291	0.611	0.002	rpl3	ribosomal protein L3
A_15_P107835	ZDB-GENE-040426-1643	0.411	0.005	mfsd4a	major facilitator superfamily domain containing 4a
A_15_P764106	NA	1.541	0.031	TC417230	hypothetical protein LOC402861
A_15_P740246	ZDB-GENE-060809-5	0.466	0.011	si:ch211-251b21.1	si:ch211-251b21.1
A_15_P728391	ZDB-GENE-030131-5926	1.804	0.006	si:dkey-177p2.6	si:dkey-177p2.6
A_15_P576397	ZDB-GENE-040426-2172	0.491	0.001	junb	jun B proto-oncogene
A_15_P114278	ZDB-GENE-041007-3	1.54	0.026	twistnb	TWIST neighbor
A_15_P473850	ZDB-GENE-070719-5	0.58	0.005	zgc:165647	zgc:165647
A_15_P629966	ZDB-GENE-080220-26	0.148	0	zgc:172194	zgc:172194
A_15_P149661	ZDB-GENE-050523-1	0.583	0.038	gli2b	GLI-Kruppel family member GLI2b
A_15_P721721	ZDB-GENE-041114-44	0.727	0.049	zgc:103720	zgc:103720
A_15_P664896	NA	0.433	0.018	zgc:77778	zgc:77778, hypothetical protein LOC796447
A_15_P216721	NA	0.614	0.021	EH503006	hypothetical protein LOC100335008
A_15_P102585	NA	1.451	0.045	LOC560136	armadillo repeat containing 3-like
A_15_P105042	ZDB-GENE-030616-267	5.127	0.002	phlda3	pleckstrin homology-like domain, family A, member 3
A_15_P101278	ZDB-GENE-040426-2776	1.454	0.038	zc3h7	zinc finger CCCH-type containing 7A
A_15_P131691	ZDB-GENE-990415-72	1.591	0.026	fgf8a	fibroblast growth factor 8 a
A_15_P352345	NA	0.564	0.01	ENSDART00000113686	solble guanylyl cyclase alpha2 subunit-like
A_15_P273781	ZDB-GENE-061103-301	4.582	0.015	zgc:154020	zgc:154020
A_15_P189296	ZDB-GENE-040511-1	0.395	0.023	ela2l	elastase 2 like
A_15_P157636	ZDB-GENE-030131-8324	1.839	0.005	ENSDART00000100903	si:dkey-242g16.2
A_15_P104091	NA	1.607	0.011	ddx52	DEAD (Asp-Glu-Ala-Asp) box polypeptide 52, hypothetical protein LOC792150
A_15_P684717	ZDB-GENE-030131-6103	0.474	0.001	TC427205	wu:fi34e01
A_15_P132321	ZDB-GENE-020419-4	0.374	0	mcm3	MCM3 minichromosome maintenance deficient 3 (S. cerevisiae)
A_15_P654986	ZDB-GENE-040426-2570	1.438	0.011	tmed7	transmembrane emp24 protein transport domain containing 7
A_15_P722981	ZDB-GENE-050417-398	1.629	0.026	zgc:110154	zgc:110154
A_15_P379305	NA	0.547	0.019	NP13323043	carbohydrate (chondroitin 4) sulfotransferase 12-like
A_15_P160631	ZDB-GENE-070209-211	0.613	0.013	zufsp	zinc finger with UFM1-specific peptidase domain

A_15_P140746	ZDB-GENE-040426-1825	0.566	0.004	irx4a	iroquois homeobox protein 4a
A_15_P368750	ZDB-GENE-090313-341	1.456	0.033	si:dkey-7c22.2	si:dkey-7c22.2
A_15_P150856	ZDB-GENE-030131-9909	0.681	0.029	sipa111	signal-induced proliferation-associated 1 like 1
A_15_P287651	NA	0.397	0	hcn4	hyperpolarization activated cyclic nucleotide-gated potassium channel 4
A_15_P160816	ZDB-GENE-041014-249	0.424	0	slc10a4	solute carrier family 10 (sodium/bile acid cotransporter family), member 4
A_15_P135581	NA	1.405	0.049	ENSDART00000062272	5-formyltetrahydrofolate cyclo-ligase-like
A_15_P500257	NA	0.552	0.008	hbae1	hypothetical protein LOC100334951, hypothetical protein LOC100329238
A_15_P109357	ZDB-GENE-040801-167	0.245	0.034	zgc:92868	zgc:92868
A_15_P531952	ZDB-GENE-060803-1	0.65	0.02	ahi1	Abelson helper integration site 1
A_15_P654596	ZDB-GENE-060531-109	0.471	0.001	slc2a15a	solute carrier family 2 (facilitated glucose transporter), member 15a
A_15_P165471	NA	1.719	0.016	ENSDART00000098452	serine/threonine protein kinase pim-2-like
A_15_P112922	ZDB-GENE-050126-2	0.66	0.042	ENSDART00000101035	flavoprotein oxidoreductase MICAL3
A_15_P716546	NA	2.737	0.008	TC447201	slit homolog 3-like
A_15_P620336	ZDB-GENE-050306-47	1.439	0.039	zgc:112964	zgc:112964
A_15_P106067	ZDB-GENE-040426-2532	0.623	0.006	zgc:77033	zgc:77033
A_15_P200341	ZDB-GENE-010306-3	1.594	0.014	slit2	slit (Drosophila) homolog 2
A_15_P158186	ZDB-GENE-040108-4	0.677	0.038	si:dkey-263l2.1	si:dkey-263l2.1
A_15_P319166	ZDB-GENE-041008-167	1.502	0.01	ENSDART00000115094	im:7138837
A_15_P539052	ZDB-GENE-050411-52	0.738	0.043	si:ch211-198n5.11	si:ch211-198n5.11
A_15_P593107	ZDB-GENE-080204-99	0.618	0.005	zgc:171837	zgc:171837
A_15_P195831	ZDB-GENE-040426-1473	3.267	0	rasd1	RAS, dexamethasone-induced 1
A_15_P151491	ZDB-GENE-020419-24	0.506	0.009	mcm2	MCM2 minichromosome maintenance deficient 2, mitotin (S. cerevisiae)
A_15_P110834	ZDB-GENE-040426-2096	0.667	0.029	zgc:76871	zgc:76871
A_15_P162396	ZDB-GENE-040724-173	1.7	0.035	rsph3	radial spoke head 3 homolog (Chlamydomonas)
A_15_P724566	ZDB-GENE-040718-271	1.434	0.025	zgc:92799	zgc:92799
A_15_P114154	ZDB-GENE-040426-2132	2.528	0.013	mmp9	matrix metalloproteinase 9
A_15_P102942	ZDB-GENE-060421-5612	0.734	0.044	elovl2	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2
A_15_P368000	ZDB-GENE-060503-291	0.636	0.024	si:ch211-152c12.2	si:ch211-152c12.2
A_15_P180043	NA	0.57	0.022	LOC564461	glutamate receptor, metabotropic 7-like
A_15_P659191	ZDB-GENE-050522-334	1.5	0.018	alg3	asparagine-linked glycosylation 3 homolog (S. cerevisiae, alpha-1,3-mannosyltransferase)



A_15_P624831	ZDB-GENE-070112-1852	2.813	0.004	fev	FEV (ETS oncogene family)
A_15_P191536	ZDB-GENE-030131-3167	1.909	0.008	si:zfos-47c12.1	si:zfos-47c12.1
A_15_P630831	ZDB-GENE-050417-421	1.484	0.013	myl10	myosin, light chain 10, regulatory
A_15_P238806	NA	0.65	0.05	LOC568161	novel protein similar to vertebrate AT rich interactive domain containing protein family
A_15_P197176	ZDB-GENE-030131-2527	2.076	0.001	si:dkey-33c12.4	si:dkey-33c12.4
A_15_P736806	ZDB-GENE-030131-7523	1.71	0.002	bcl6ab	B-cell CLL/lymphoma 6a, genome duplicate b
A_15_P120055	NA	0.559	0.024	LOC553395	hypothetical protein LOC553395
A_15_P591292	ZDB-GENE-030131-1882	1.84	0.01	wu:fb83e09	wu:fb83e09
A_15_P696966	NA	1.531	0.01	EV756135	hypothetical LOC100150557
A_15_P246451	NA	1.775	0.002	LOC100148744	similar to inositol 1,3,4-triphosphate 5/6 kinase
A_15_P295551	ZDB-GENE-081105-180	1.934	0	si:dkey-57a22.7	si:dkey-57a22.7
A_15_P766161	ZDB-GENE-040426-1870	12.13	0.001	rlbp1b	retinaldehyde binding protein 1b
A_15_P628976	ZDB-GENE-001030-4	0.565	0.011	pax2b	paired box gene 2b
A_15_P654276	ZDB-GENE-030131-4918	1.395	0.047	myl9l	myosin, light polypeptide 9, like
A_15_P103473	ZDB-GENE-010110-1	0.574	0.008	hsd17b8	hydroxysteroid (17-beta) dehydrogenase 8
A_15_P671931	ZDB-GENE-070912-619	0.724	0.037	si:dkey-97a13.9	si:dkey-97a13.9
A_15_P148556	ZDB-GENE-060421-5714	1.41	0.042	zgc:136263	zgc:136263
A_15_P271161	ZDB-GENE-061218-2	7.06	0	ENSDART00000086206	ataxin 1a
A_15_P117075	ZDB-GENE-000405-1	0.545	0.01	pbx1a	pre-B-cell leukemia transcription factor 1a
A_15_P366285	ZDB-GENE-040426-1003	1.612	0.002	zgc:56376	zgc:56376
A_15_P621506	ZDB-GENE-050417-430	0.7	0.014	zgc:110659	zgc:110659
A_15_P740504	ZDB-GENE-030131-7249	1.754	0.01	zgc:165571	zgc:165571
A_15_P267396	NA	0.48	0.013	ENSDART00000050528	tyrosinase-related protein 1-like
A_15_P111583	ZDB-GENE-040801-140	1.346	0.032	ifrd2	interferon-related developmental regulator 2
A_15_P104595	ZDB-GENE-040426-1856	0.467	0.001	hnmp1	heterogeneous nuclear ribonucleoprotein H1
A_15_P117382	ZDB-GENE-040426-1384	0.694	0.029	gorab	golgin, rab6-interacting
A_15_P118446	ZDB-GENE-051127-43	0.486	0.013	zgc:123203	zgc:123203
A_15_P246956	NA	0.499	0.007	ENSDART00000097543	B-cell CLL/lymphoma 11A-like
A_15_P172376	ZDB-GENE-040801-111	0.531	0.002	suv39h1a	suppressor of variegation 3-9 homolog 1a
A_15_P152381	ZDB-GENE-060929-424	1.428	0.012	zdhhc18	zinc finger, DHHC-type containing 18

A_15_P109988	ZDB-GENE-030131-9792	0.586	0.035	mbd3b	methyl-CpG binding domain protein 3b
A_15_P377580	ZDB-GENE-041111-204	0.777	0.042	zgc:158138	zgc:158138
A_15_P491857	NA	1.816	0.033	LOC100002406	putative thymic stromal co-transporter TSCOT-like
A_15_P193311	ZDB-GENE-070410-131	0.666	0.01	zgc:163057	zgc:163057
A_15_P367395	ZDB-GENE-030826-24	1.946	0.048	uox	urate oxidase
A_15_P490397	NA	1.566	0.011	ENSDART00000111482	PH domain leucine-rich repeat protein phosphatase 1-like
A_15_P101747	ZDB-GENE-030131-1301	1.594	0.024	trabd	TraB domain containing
A_15_P108706	ZDB-GENE-030131-7782	1.525	0.027	wu:fj34c03	wu:fj34c03
A_15_P175576	ZDB-GENE-030131-8210	0.726	0.031	loxl3	LOXL3 protein, lysyl oxidase-like 3b
A_15_P163311	ZDB-GENE-070410-100	2.207	0.006	ncapg2	non-SMC condensin II complex, subunit G2
A_15_P684391	NA	4.027	0	EB983700	phosphatidylinositol-specific phospholipase C, X domain containing 1-like
A_15_P179416	ZDB-GENE-070928-30	0.644	0.03	zgc:171763	zgc:171763
A_15_P558252	ZDB-GENE-070912-416	0.548	0.008	ENSDART00000110734	si:dkey-193b15.8
A_15_P635461	ZDB-GENE-060825-170	0.53	0.003	zgc:153405	zgc:153405
A_15_P289506	NA	0.66	0.045	NP13316445	somatostatin receptor 2-like
A_15_P119862	NA	0.532	0.005	ENSDART00000114108	hypothetical LOC407660
A_15_P530387	ZDB-GENE-040718-232	1.689	0.016	tspan18a	tetraspanin 18a
A_15_P197391	ZDB-GENE-040426-1046	3.631	0	vrk2	vaccinia related kinase 2
A_15_P519617	NA	0.657	0.043	EH549846	CG3407-like
A_15_P457225	ZDB-GENE-040426-2411	1.408	0.025	zgc:77421	uracil phosphoribosyltransferase (FUR1) homolog (S. cerevisiae)
A_15_P115604	ZDB-GENE-040426-2033	0.554	0.004	slc35e1	solute carrier family 35, member E1
A_15_P102996	ZDB-GENE-040426-1388	0.315	0.018	ggt1	gamma-glutamyltransferase 1
A_15_P105778	ZDB-GENE-021231-1	0.506	0.019	igfbp1a	insulin-like growth factor binding protein 1a
A_15_P115145	ZDB-GENE-060825-55	0.525	0.023	hes2.2	hairy and enhancer of split 2.2
A_15_P744506	ZDB-GENE-030616-161	1.432	0.046	pa2g4a	proliferation-associated 2G4, a
A_15_P736521	ZDB-GENE-040912-165	2.58	0	irf9	interferon regulatory factor 9
A_15_P117817	ZDB-GENE-050506-86	1.865	0.012	im:6904863	im:6904863
A_15_P298111	ZDB-GENE-070424-71	1.59	0.038	zgc:162495	zgc:162495
A_15_P555532	NA	0.399	0.003	ENSDART00000114394	novel protein with a NACHT domain
A_15_P115947	ZDB-GENE-020711-1	1.67	0.003	mycn	v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian)

A_15_P584622	ZDB-GENE-050522-229	2.213	0.003	zgc:112165	zgc:112165
A_15_P235701	ZDB-GENE-060804-3	0.133	0	rpl22l1	ribosomal protein L22-like 1
A_15_P256286	ZDB-GENE-060929-918	1.641	0.002	zgc:154067	zgc:154067
A_15_P150101	ZDB-GENE-050522-366	0.619	0.043	zgc:110064	zgc:110064
A_15_P630861	NA	1.644	0.03	LOC568915	novel protein similar to H.sapiens GALNTL6, UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 6 (GALNTL6)
A_15_P757066	ZDB-GENE-030131-7384	1.87	0	ube2d2	ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast)
A_15_P152206	ZDB-GENE-040426-2772	0.583	0.022	hdac8	histone deacetylase 8
A_15_P146331	ZDB-GENE-030912-6	1.606	0.004	stk36	serine/threonine kinase 36 (fused homolog, Drosophila)
A_15_P156146	ZDB-GENE-080204-44	1.944	0.007	zgc:172115	tumor necrosis factor (ligand) superfamily, member 13b
A_15_P187536	NA	0.751	0.048	LOC569097	hypothetical LOC569097
A_15_P188841	ZDB-GENE-040513-2	3.876	0	accn2b	amiloride-sensitive cation channel 2 b
A_15_P100913	ZDB-GENE-990415-66	0.571	0.005	efna2	ephrin A2
A_15_P112182	ZDB-GENE-980605-4	1.676	0.012	foxd5	forkhead box D5
A_15_P547232	ZDB-GENE-081119-4	1.388	0.036	frem2b	Fras1 related extracellular matrix protein 2b
A_15_P112693	ZDB-GENE-031030-4	1.581	0.003	tob1a	transducer of ERBB2, 1a
A_15_P150361	ZDB-GENE-000926-1	0.49	0.023	atoh7	atonal homolog 7
A_15_P212091	ZDB-GENE-980526-52	0.519	0.009	ENSDART00000014350	paired box gene 3a
A_15_P146436	NA	0.445	0.001	LOC555216	CG4324-like
A_15_P120913	ZDB-GENE-980526-561	1.409	0.04	myod1	myogenic differentiation 1
A_15_P115769	ZDB-GENE-030130-1	0.656	0.029	epb41	erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked)
A_15_P366905	ZDB-GENE-030828-5	0.646	0.005	hes6	hairy and enhancer of split 6 (Drosophila)
A_15_P158651	ZDB-GENE-041210-9	1.785	0.007	si:ch211-51e12.3	si:ch211-51e12.3
A_15_P297851	NA	1.668	0.01	LOC566605	serine/arginine-rich protein specific kinase 3-like
A_15_P638061	ZDB-GENE-040426-1650	1.571	0.019	btf3l4	basic transcription factor 3-like 4
A_15_P121107	ZDB-GENE-050302-175	0.48	0	hapln1a	hyaluronan and proteoglycan link protein 1a
A_15_P106513	ZDB-GENE-030131-6110	0.734	0.047	TC406329	si:ch211-208h7.4
A_15_P689231	NA	1.651	0.043	TC378859	ubiquitin specific protease 43-like
A_15_P727556	ZDB-GENE-040718-323	1.779	0.027	zgc:92723	zgc:92723
A_15_P170221	ZDB-GENE-070209-256	1.467	0.021	zgc:158766	zgc:158766
A_15_P188456	NA	1.551	0.012	LOC100008368	RUN domain containing 3A

A_15_P663781	ZDB-GENE-060503-207	1.562	0.02	kat2b	K(lysine) acetyltransferase 2B
A_15_P629906	ZDB-GENE-050417-428	1.812	0.023	zgc:113106	zgc:113106
A_15_P207426	ZDB-GENE-060825-27	0.688	0.024	slc27a6	solute carrier family 27 (fatty acid transporter), member 6
A_15_P109058	ZDB-GENE-040426-818	1.341	0.045	srp54	signal recognition particle 54
A_15_P148426	ZDB-GENE-050327-45	1.549	0.049	zgc:113255	zgc:113255
A_15_P671076	ZDB-GENE-031118-36	1.717	0.028	hist2h2l	histone 2, H2, like
A_15_P284621	ZDB-GENE-030131-1998	0.63	0.039	wu:fb94b04	wu:fb94b04
A_15_P256311	ZDB-GENE-010724-15	0.543	0.001	rps9	ribosomal protein S9
A_15_P681491	NA	0.695	0.009	XR_029032	sex comb on midleg-like 2-like
A_15_P101056	ZDB-GENE-050522-70	1.628	0.043	zgc:110463	zgc:110463
A_15_P101039	ZDB-GENE-000509-1	0.39	0	arntl1a	aryl hydrocarbon receptor nuclear translocator-like 1a
A_15_P151281	NA	1.957	0.002	LOC565548	similar to LOC495946 protein
A_15_P161931	ZDB-GENE-020416-3	0.63	0.011	tpi1a	triosephosphate isomerase 1a
A_15_P185766	NA	0.605	0.008	LOC566922	gamma-aminobutyric acid (GABA) A receptor, beta 3-like
A_15_P638926	NA	0.597	0.02	pts	6-pyruvoyltetrahydropterin synthase, 6-pyruvoyl tetrahydropterin synthase
A_15_P172576	ZDB-GENE-070319-1	0.605	0.011	rbpjb	recombination signal binding protein for immunoglobulin kappa J region b
A_15_P627141	ZDB-GENE-070410-9	3.231	0	zgc:158463	zgc:158463
A_15_P372020	NA	0.572	0.002	TC381385	zinc finger protein 324-like
A_15_P460460	ZDB-GENE-080327-20	0.703	0.031	sc:d0350	sc:d0350
A_15_P171836	ZDB-GENE-040426-1501	4.199	0	gadd45aa	growth arrest and DNA-damage-inducible, alpha, a
A_15_P733324	ZDB-GENE-080724-3	1.672	0.009	zgc:195056	zgc:195056
A_15_P119885	ZDB-GENE-040712-6	0.688	0.009	ccm2	cerebral cavernous malformation 2
A_15_P207346	ZDB-GENE-060503-93	0.654	0.027	lctlb	lactase-like b
A_15_P499657	NA	2.052	0.013	LOC557716	hypothetical LOC557716
A_15_P671281	ZDB-GENE-030131-4145	1.282	0.048	TC425065	si:dkey-175m17.8
A_15_P448165	ZDB-GENE-041001-43, ZDB-GENE-980526-79	0.565	0.039	si:xx-by187g17.1	si:xx-by187g17.1, hemoglobin alpha adult-1
A_15_P196746	NA	1.428	0.014	LOC565295	LAG1 homolog, ceramide synthase 5-like
A_15_P632836	ZDB-GENE-050417-96	1.371	0.037	psmd4b	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4b
A_15_P400960	NA	0.653	0.046	ENSDART00000111040	novel protein similar to vertebrate tet oncogene family member 3 (TET3)
A_15_P150156	ZDB-GENE-040426-2017	1.68	0.021	hk2	hexokinase 2

A_15_P727611	ZDB-GENE-030131-5304	0.553	0.006	hlx1	H2.0-like homeo box 1 (Drosophila)
A_15_P565492	ZDB-GENE-030131-6323	0.666	0.02	si:dkey-46k9.9	si:dkey-46k9.9
A_15_P200706	ZDB-GENE-061207-28	0.383	0.008	si:ch211-243a20.3	si:ch211-243a20.3
A_15_P376010	NA	0.682	0.012	LOC570044	transmembrane protein 169-like
A_15_P682636	NA	1.418	0.042	TC408240	solute carrier family 39 (zinc transporter), member 14-like
A_15_P141481	ZDB-GENE-030131-9544	0.614	0.006	mcm4	MCM4 minichromosome maintenance deficient 4, mitotin (S. cerevisiae)
A_15_P642668	NA	2.04	0.005	LOC100003308	similar to serine protease, hypothetical protein LOC100149563, zgc:173425
A_15_P401780	ZDB-GENE-050417-163	1.46	0.045	nsdhl	NAD(P) dependent steroid dehydrogenase-like
A_15_P150886	ZDB-GENE-071116-1	0.705	0.024	epor	erythropoietin receptor
A_15_P631991	ZDB-GENE-080917-21	0.581	0.036	adrb3a	adrenergic receptor, beta 3a
A_15_P167536	ZDB-GENE-050420-149	0.611	0.006	si:ch211-1e14.1	si:ch211-1e14.1
A_15_P115376	ZDB-GENE-081022-37	0.75	0.023	zgc:193742	zgc:193742
A_15_P176236	ZDB-GENE-030710-10	0.459	0.01	gpm6bb	glycoprotein M6Bb
A_15_P367390	ZDB-GENE-050417-27	1.395	0.019	exosc2	exosome component 2
A_15_P680306	NA	1.811	0.003	LOC799537	similar to serine protease, zgc:173425
A_15_P309741	ZDB-GENE-050411-37	0.644	0.008	TC390083	si:dkey-222k23.1
A_15_P120476	ZDB-GENE-040625-1	1.521	0.016	grem1a	gremlin 1 homolog a, cysteine knot superfamily (Xenopus laevis)
A_15_P365310	ZDB-GENE-041212-46	0.582	0.007	zgc:101800	zgc:101800
A_15_P106046	ZDB-GENE-040426-1810	0.653	0.02	insm1a	insulinoma-associated 1a
A_15_P105581	ZDB-GENE-040801-135	1.542	0.017	zgc:100963	zgc:100963
A_15_P185481	NA	0.719	0.03	LOC100148397	similar to bromodomain adjacent to zinc finger domain, 2B
A_15_P111592	NA	0.474	0	ENSDART00000075320	pre-B cell enhancing factor-like
A_15_P631086	ZDB-GENE-040426-1926	0.613	0.037	LOC798111	novel rhamnose binding lectin, heterogeneous nuclear ribonucleoprotein K
A_15_P186046	ZDB-GENE-081022-138	0.487	0.007	zgc:194658	zgc:194658
A_15_P167623	NA	2.169	0.04	LOC794350	hypothetical LOC794350
A_15_P621291	ZDB-GENE-040912-84	1.872	0.008	mfsd6b	major facilitator superfamily domain containing 6b
A_15_P187111	NA	0.609	0.036	LOC799194	Tetraspanin 10-like
A_15_P138566	ZDB-GENE-050208-507	0.735	0.046	ENSDART00000105399	si:dkey-28h18.4
A_15_P119926	ZDB-GENE-040426-782	2	0	mocs3	molybdenum cofactor synthesis 3
A_15_P442860	ZDB-GENE-081022-122	1.686	0.009	im:7154698	zgc:194539

A_15_P366120	ZDB-GENE-040718-361	1.524	0.012	tspan33	tetraspanin 33
A_15_P408805	NA	2.208	0.009	LOC792553	transmembrane protein 90B-like
A_15_P745264	ZDB-GENE-031006-14	0.493	0.001	stmn1a	stathmin 1a
A_15_P114898	ZDB-GENE-010607-3	0.379	0.006	cx44.1	connexin 44.1
A_15_P340405	NA	0.749	0.044	LOC571279	MAP/microtubule affinity-regulating kinase 3-like
A_15_P121251	ZDB-GENE-041203-1	0.533	0.001	foxp1b	forkhead box P1b
A_15_P668461	ZDB-GENE-071004-51	1.67	0.005	LOC797799	similar to serine protease, zgc:173425
A_15_P116610	ZDB-GENE-030131-647	0.429	0.002	phgdh	phosphoglycerate dehydrogenase
A_15_P392500	NA	2.558	0	LOC553492	hypothetical protein LOC553492
A_15_P196416	ZDB-GENE-030326-2	0.706	0.047	prdx2	peroxiredoxin 2
A_15_P101193	ZDB-GENE-990415-151	0.737	0.047	mxi1	max interacting protein
A_15_P193161	NA	0.682	0.008	LOC566830	novel protein similar to vertebrate protein phosphatase 1, regulatory (inhibitor) subunit 8 (PPP1R8)
A_15_P624576	ZDB-GENE-040401-1	1.329	0.04	pou4f2	POU domain, class 4, transcription factor 2
A_15_P492597	ZDB-GENE-081205-5	1.72	0.035	zgc:172302	zgc:172302
A_15_P410985	NA	1.526	0.046	mfn1	mitofusin 1, similar to Mitofusin 1
A_15_P552692	ZDB-GENE-041010-176	2.339	0.026	zgc:101685	thiamin pyrophosphokinase 1
A_15_P628676	ZDB-GENE-081022-103	0.577	0.024	zgc:194314	zgc:194314
A_15_P121084	ZDB-GENE-090521-4	1.547	0.019	TC375658	leucine zipper-EF-hand containing transmembrane protein 2
A_15_P501587	NA	0.624	0.006	LOC798051	ANKRD32 protein-like
A_15_P148496	ZDB-GENE-990415-201	0.414	0	pax7a	paired box gene 7a
A_15_P131296	ZDB-GENE-080616-1	0.724	0.037	prdm13	PR domain containing 13
A_15_P200256	ZDB-GENE-001030-2	1.467	0.031	pax5	paired box gene 5
A_15_P173741	ZDB-GENE-030131-9735	1.496	0.025	angptl6	angiopoietin-like 6
A_15_P730246	ZDB-GENE-990708-8	0.494	0.008	ucp2	uncoupling protein 2
A_15_P184576	ZDB-GENE-041014-340	0.668	0.02	si:dkey-221h15.4	si:dkey-221h15.4
A_15_P104386	ZDB-GENE-030131-3825	2.375	0.001	zgc:162591	zgc:162591
A_15_P621796	ZDB-GENE-050522-333	1.89	0.001	zgc:112397	zgc:112397
A_15_P117765	ZDB-GENE-040426-2670	2.368	0.003	sc4mol	sterol-C4-methyl oxidase-like
A_15_P172551	ZDB-GENE-030131-8103	1.993	0	optn	optineurin
A_15_P187361	ZDB-GENE-060518-3	0.644	0.024	gcat	glycine C-acetyltransferase

A_15_P245951	NA	0.651	0.023	TC391757	aarF domain containing kinase 1-like
A_15_P432965	ZDB-GENE-041008-78	1.895	0.022	polr2a	polymerase (RNA) II (DNA directed) polypeptide A
A_15_P140906	ZDB-GENE-061215-62	0.726	0.04	zgc:158394	zgc:158394
A_15_P143346	ZDB-GENE-050227-1	2.041	0.007	fbxl22	F-box and leucine-rich repeat protein 22
A_15_P171901	ZDB-GENE-041001-160	0.645	0.026	si:dkey-183n20.15	si:dkey-183n20.15
A_15_P489352	NA	1.366	0.037	ENSDART00000108710	leucine rich repeat containing 8 family, member C-like
A_15_P374790	NA	0.546	0.027	TC409066	MGC85590 protein-like
A_15_P100665	ZDB-GENE-041114-22	0.584	0.033	suv420h1	suppressor of variegation 4-20 homolog 1 (Drosophila)
A_15_P630806	ZDB-GENE-030616-157	0.679	0.006	pold2	polymerase (DNA directed), delta 2, regulatory subunit
A_15_P148516	ZDB-GENE-041212-79	1.339	0.027	zdhhc13	zinc finger, DHHC-type containing 13
A_15_P105919	ZDB-GENE-980526-559	0.678	0.014	fgf6a	fibroblast growth factor 6a
A_15_P105303	ZDB-GENE-040426-2220	2.511	0	ptp4a3	protein tyrosine phosphatase type IVA, member 3
A_15_P660276	ZDB-GENE-040924-1	1.926	0.002	lancl1	LanC antibiotic synthetase component C-like 1 (bacterial)
A_15_P130736	ZDB-GENE-030131-2415	1.675	0.014	cav1	caveolin 1
A_15_P179916	ZDB-GENE-060810-40	2.168	0.002	im:7150454	im:7150454
A_15_P271091	ZDB-GENE-070410-23	0.373	0.002	zgc:162150	zgc:162150
A_15_P187836	ZDB-GENE-060503-706	0.685	0.009	ENSDART00000083394	si:dkey-106c17.3
A_15_P192971	ZDB-GENE-030131-840	0.709	0.01	zgc:162293	zgc:162293
A_15_P721296	ZDB-GENE-030131-792	1.569	0.01	ubxn1	UBX domain protein 1
A_15_P162086	ZDB-GENE-040115-3	1.551	0.032	LOC554962	DnaJ (Hsp40) homolog, subfamily A, member 3B
A_15_P504877	ZDB-GENE-030616-5	1.439	0.016	wdr75	WD repeat domain 75
A_15_P679396	ZDB-GENE-061013-1	2.093	0.003	bcl3	B-cell CLL/lymphoma 3
A_15_P309651	ZDB-GENE-081022-163	1.725	0.017	zgc:194895	zgc:194895
A_15_P182551	ZDB-GENE-060503-182	1.41	0.035	si:dkeyp-34f6.5	si:dkeyp-34f6.5
A_15_P532982	ZDB-GENE-030131-1380	2.434	0.004	upb1	ureidopropionase, beta
A_15_P630241	ZDB-GENE-030102-1	1.661	0.007	ttc27	tetratricopeptide repeat domain 27
A_15_P308476	NA	1.762	0.002	TC392023	laminin alpha 5-like
A_15_P163976	NA	0.703	0.046	dennd2d	DENN/MADD domain containing 2D, DENN/MADD domain containing 2D-like
A_15_P187861	ZDB-GENE-071212-3	1.528	0.006	flii	flightless I homolog (Drosophila)
A_15_P112669	ZDB-GENE-040625-113	1.395	0.026	zgc:86811	zgc:86811

A_15_P159006	NA	0.486	0.001	ENSDART00000102893	10-formyltetrahydrofolate dehydrogenase-like
A_15_P545232	NA	2.654	0.006	NP9864217	zinc finger protein 432-like
A_15_P145941	NA	1.709	0.008	ENSDART00000089173	ATPase, class I, type 8B, member 1-like
A_15_P108896	NA	0.649	0.05	LOC100003064	hypothetical protein LOC100003064
A_15_P206336	ZDB-GENE-041010-101	0.71	0.049	zgc:103755	zgc:103755
A_15_P135216	NA	0.659	0.022	TC435567	clathrin, light polypeptide-like
A_15_P297816	NA	1.321	0.037	TC390038	hypothetical LOC564712
A_15_P529407	ZDB-GENE-061013-757	2.194	0.002	snai3	snail homolog 3
A_15_P183361	NA	1.676	0.017	ENSDART00000104764	F-box protein 6-like
A_15_P621916	ZDB-GENE-070127-4	0.347	0.002	lect2l	leukocyte cell-derived chemotaxin 2 like
A_15_P188011	ZDB-GENE-030131-657	1.482	0.011	cyth1	cytohesin 1
A_15_P194226	ZDB-GENE-030131-9045	1.502	0.007	zgc:171980	zgc:171980
A_15_P626596	ZDB-GENE-041027-1	1.349	0.046	map2k2	mitogen-activated protein kinase kinase 2
A_15_P268286	NA	1.487	0.034	TC434037	zinc finger protein 300-like
A_15_P205666	ZDB-GENE-070424-55	0.22	0.026	ftr61	finTRIM family, member 61
A_15_P291166	ZDB-GENE-081104-238	0.601	0.016	nkx3-1	NK3 homeobox 1
A_15_P642941	ZDB-GENE-060421-4643	0.615	0.039	bcl11a	B-cell CLL/lymphoma 11A
A_15_P436815	NA	0.626	0.035	LOC798089	G protein regulated inducer of neurite outgrowth 2-like
A_15_P624091	ZDB-GENE-040305-2	1.58	0.025	traf4b	tnf receptor-associated factor 4b
A_15_P132981	ZDB-GENE-080724-4, ZDB-GENE-050610-19, ZDB-GENE-050610-20, ZDB-GENE-050610-28	0.629	0.036	zgc:193751	zgc:193751, protocadherin 2 gamma 28, protocadherin 2 gamma 29, protocadherin 2 gamma 6
A_15_P191621	ZDB-GENE-030131-4459	0.684	0.026	si:dkey-60a16.3	si:dkey-60a16.3
A_15_P283451	ZDB-GENE-070912-187	0.725	0.039	sema5b	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5B
A_15_P200801	NA	0.731	0.034	LOC799742	phospholipase D family, member 3-like
A_15_P156436	ZDB-GENE-070718-1	1.609	0.007	enkur	enkurin, TRPC channel interacting protein
A_15_P141891	ZDB-GENE-061027-190	0.638	0.023	zgc:153678	zgc:153678
A_15_P268291	NA	1.644	0.042	LOC569616	tripartite motif protein 21-like
A_15_P105960	ZDB-GENE-041008-213	1.654	0.011	ENSDART00000105189	si:dkey-240e12.1
A_15_P113493	ZDB-GENE-990415-243	0.702	0.033	rxrab	retinoid x receptor, alpha b



A_15_P413140	NA	1.394	0.039	TC403486	novel FERM domain containing protein
A_15_P406190	ZDB-GENE-080204-87	1.422	0.036	zgc:174863	zgc:174863
A_15_P119463	ZDB-GENE-050306-39	1.409	0.018	slc25a32b	solute carrier family 25, member 32b
A_15_P281726	NA	1.507	0.02	LOC566436	transient receptor potential cation channel, subfamily C, member 4-like
A_15_P245936	ZDB-GENE-070912-369	2.513	0	si:dkey-127k13.2	si:dkey-127k13.2
A_15_P111884	ZDB-GENE-991229-12	1.836	0.005	exorh	extra-ocular rhodopsin
A_15_P102473	ZDB-GENE-040724-122	2.516	0.001	ak7	adenylate kinase 7
A_15_P169496	ZDB-GENE-070615-23	1.529	0.036	zgc:165502	zgc:165502
A_15_P622751	ZDB-GENE-040614-4	0.721	0.029	fabp7b	fatty acid binding protein 7, brain, b
A_15_P682061	NA	0.695	0.01	TC380654	F-box and leucine-rich repeat protein 11-like
A_15_P746331	ZDB-GENE-080204-46	1.402	0.034	zgc:172120	zgc:172120
A_15_P657346	ZDB-GENE-051213-1	0.628	0.034	rhd	Rh blood group, D antigen
A_15_P119330	ZDB-GENE-081022-85	0.484	0.007	zgc:194246	zgc:194246
A_15_P170626	ZDB-GENE-040718-410	0.621	0.013	rgs2	regulator of G-protein signaling 2
A_15_P110543	ZDB-GENE-000208-17	0.595	0.01	calr	calreticulin
A_15_P180096	ZDB-GENE-080724-12	1.789	0.037	kif17	kinesin family member 17
A_15_P120345	ZDB-GENE-050223-1	1.486	0.01	gadd45bb	growth arrest and DNA-damage-inducible, beta b
A_15_P268136	NA	1.604	0.01	TC425778	uromodulin-like
A_15_P195211	ZDB-GENE-030131-6247	1.354	0.048	orc3l	origin recognition complex, subunit 3-like (yeast)
A_15_P141996	ZDB-GENE-041014-342	1.905	0.043	trim54	tripartite motif-containing 54
A_15_P282206	NA	2.477	0.002	LOC100148522	Alanine aminotransferase 2-like
A_15_P196161	ZDB-GENE-051120-102	1.6	0.012	pm20d1.1	peptidase M20 domain containing 1, tandem duplicate 1
A_15_P626261	ZDB-GENE-040718-338	1.469	0.031	egl n1	egl nine homolog 1 (C. elegans)
A_15_P182296	ZDB-GENE-060503-438	1.73	0.005	si:dkey-222b8.4	si:dkey-222b8.4
A_15_P173856	ZDB-GENE-050417-142	1.73	0.012	zgc:110388	zgc:110388
A_15_P630281	ZDB-GENE-041114-181	0.151	0.004	zgc:92354	zgc:92354
A_15_P420265	ZDB-GENE-030131-7499	0.752	0.045	zgc:175287	tec protein tyrosine kinase
A_15_P133241	NA	0.738	0.034	LOC100001945	hypothetical protein LOC100001945
A_15_P269301	NA	0.604	0.032	TC367623	adlican-like
A_15_P567442	ZDB-GENE-010605-5	0.478	0.01	ENSDART00000114951	apolipoprotein M

A_15_P142626	ZDB-GENE-061013-408	1.566	0.01	socs5a	suppressor of cytokine signaling 5a
A_15_P274946	ZDB-GENE-031002-9	0.488	0.001	ENSDART00000011389	protein disulfide isomerase family A, member 3
A_15_P350070	ZDB-GENE-041111-231	1.493	0.034	mcat	malonyl CoA:ACP acyltransferase (mitochondrial)
A_15_P195406	ZDB-GENE-041014-294	2.111	0	pomcb	proopiomelanocortin b
A_15_P363525	NA	3.602	0.005	LOC100003826	zinc finger, matrin type 4-like
A_15_P626951	NA	0.68	0.031	LOC563152	chemokine CCL-C24a
A_15_P102768	ZDB-GENE-030131-3539	1.702	0.013	ctsh	cathepsin H
A_15_P160611	ZDB-GENE-060929-820	0.587	0.01	zgc:153901	zgc:153901
A_15_P202361	ZDB-GENE-060503-292	1.494	0.036	ENSDART00000105444	si:dkey-148f10.4
A_15_P196486	ZDB-GENE-990415-31	0.53	0.013	ncam1	neural cell adhesion molecule 1
A_15_P175066	ZDB-GENE-051014-1	0.599	0.017	smpd2	sphingomyelin phosphodiesterase 2, neutral
A_15_P112133	ZDB-GENE-030131-3587	1.603	0.007	si:dkey-8l13.4	si:dkey-8l13.4
A_15_P112309	ZDB-GENE-030131-4648	0.528	0.033	si:ch211-102c2.6	si:ch211-102c2.6
A_15_P150726	ZDB-GENE-070112-2382	2.031	0.004	zgc:158624	zgc:158624
A_15_P119277	ZDB-GENE-030131-5371	0.715	0.044	ENSDART00000085661	amyloid beta (A4) precursor protein-binding, family A, member 2 (X11-like)
A_15_P109586	ZDB-GENE-041114-38	1.35	0.044	slc25a44a	solute carrier family 25, member 44 a
A_15_P629136	ZDB-GENE-000210-32	0.585	0.021	nme2b.1	non-metastatic cells 2b.1, protein (NM23B) expressed in
A_15_P711816	ZDB-GENE-070912-336	1.508	0.016	si:ch73-205f10.1	si:ch73-205f10.1
A_15_P278861	ZDB-GENE-081104-413	0.583	0.005	ENSDART00000086672	transmembrane protein 194B
A_15_P191546	ZDB-GENE-040724-19	0.647	0.025	cdk19	cyclin-dependent kinase 19
A_15_P272101	ZDB-GENE-041210-186	1.313	0.04	slc35e3	solute carrier family 35, member E3
A_15_P490657	ZDB-GENE-050809-43	1.498	0.026	TC380067	si:dkey-258f14.3
A_15_P140706	ZDB-GENE-040910-5	1.499	0.031	rab36	RAB36, member RAS oncogene family
A_15_P764316	NA	1.743	0.013	LOC100149015	hypothetical LOC100149015
A_15_P201206	ZDB-GENE-070912-386	3.389	0	si:dkey-15i8.3	si:dkey-15i8.3
A_15_P111375	ZDB-GENE-030131-9799	1.408	0.041	si:ch73-162j3.1	collagen, type IX, alpha 3
A_15_P227431	ZDB-GENE-030131-2964	1.868	0.021	zgc:63734	zgc:63734
A_15_P105258	ZDB-GENE-050321-1, ZDB-GENE-071004-115	3.101	0.019	hsp70l	heat shock cognate 70-kd protein, like, zgc:174006
A_15_P171521	ZDB-GENE-040426-1880	0.566	0.002	myoz2	myozenin 2
A_15_P141451	ZDB-GENE-060929-636	1.584	0.032	zgc:153974	zgc:153974

A_15_P594017	ZDB-GENE-030521-6	1.494	0.047	ENSDART00000022870	si:dkey-95o9.3
A_15_P186196	NA	1.495	0.034	LOC559637	synaptotagmin-2-like
A_15_P187386	NA	0.717	0.024	xylt1	xylosyltransferase 1
A_15_P161496	ZDB-GENE-030131-3568	0.455	0.002	klf11a	Kruppel-like factor 11a
A_15_P150371	ZDB-GENE-050913-127	0.472	0.003	dao.1	D-amino-acid oxidase 1
A_15_P142161	ZDB-GENE-050208-422	1.372	0.032	nrd1	nardilysin (N-arginine dibasic convertase)
A_15_P172706	ZDB-GENE-050220-15	0.351	0.009	zgc:110527	zgc:110527
A_15_P334244	ZDB-GENE-081031-93	0.603	0.01	TC389656	si:ch73-299h12.3
A_15_P291036	ZDB-GENE-030131-1009	2.431	0	wu:fb55g09	wu:fb55g09
A_15_P115199	ZDB-GENE-040801-201	2.491	0	cldnk	claudin k
A_15_P174511	ZDB-GENE-050522-195	0.549	0.001	zgc:110158	zgc:110158
A_15_P354915	NA	0.528	0.002	igsf9	immunoglobulin superfamily, member 9-like
A_15_P102051	NA	0.553	0.026	TC378600	mitochondrial carrier triple repeat 1-like
A_15_P203901	NA	0.486	0.025	LOC572411	EPH receptor B2-like
A_15_P161811	ZDB-GENE-030131-3595	1.639	0.025	pofut2	protein O-fucosyltransferase 2
A_15_P707891	ZDB-GENE-040625-79	1.81	0.015	zgc:86898	zgc:86898
A_15_P235646	NA	1.62	0.007	LOC100148110	RANBP4-like
A_15_P148641	ZDB-GENE-030131-4255	1.329	0.044	zswim7	zinc finger, SWIM-type containing 7
A_15_P108997	ZDB-GENE-030131-1506	0.749	0.039	tia1	cytotoxic granule-associated RNA binding protein 1
A_15_P194046	ZDB-GENE-040801-133	2.884	0.001	riok3	RIO kinase 3 (yeast)
A_15_P118478	ZDB-GENE-050417-29	0.469	0	zgc:110113	zgc:110113
A_15_P200411	NA	2.648	0.005	ENSDART00000054209	Cyclin-dependent kinase 4 inhibitor B-like
A_15_P209201	ZDB-GENE-040718-210	3.821	0.003	lyrm1	LYR motif containing 1
A_15_P516607	ZDB-GENE-030131-9684	1.554	0.04	TC402915	kinesin family member 20Bb
A_15_P175691	ZDB-GENE-030131-8906	1.425	0.014	si:ch211-160d20.3	si:ch211-160d20.3
A_15_P733111	NA	0.494	0.001	TC384904	latrophilin 1-like
A_15_P186501	ZDB-GENE-030131-2649	1.465	0.019	ENSDART00000083085	myotubularin related protein 14
A_15_P686096	NA	0.385	0	CT679877	Cancer-up-regulated gene 2 protein-like
A_15_P375840	NA	1.895	0.023	NP9861855	urotensin II receptor-like
A_15_P377990	ZDB-GENE-040426-1129	0.706	0.027	zgc:63474	zgc:63474

A_15_P194281	ZDB-GENE-060421-5255	3.172	0	zgc:136871	zgc:136871
A_15_P115905	ZDB-GENE-070521-6	1.615	0.023	zgc:163077	zgc:163077
A_15_P626611	ZDB-GENE-081022-160	4.2	0.001	zgc:194878	zgc:194878
A_15_P104427	NA	0.602	0.012	si:ch211-15i6.4	si:ch211-15i6.4, hypothetical protein LOC553251
A_15_P198931	NA	1.575	0.026	LOC793976	Tctex1 domain containing 2-like
A_15_P184266	ZDB-GENE-041014-325	1.598	0.018	pla2g4a	phospholipase A2, group IVA (cytosolic, calcium-dependent)
A_15_P197221	ZDB-GENE-081107-34	0.415	0.046	si:ch211-270n8.1	si:ch211-270n8.1
A_15_P206311	ZDB-GENE-030131-670	0.476	0.036	ndufa10	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10
A_15_P479090	ZDB-GENE-060503-180	1.685	0.017	atxn10	ataxin 10
A_15_P109018	ZDB-GENE-040618-3	0.45	0.023	rhous	ras homolog gene family, member Ua
A_15_P625086	ZDB-GENE-080204-16	0.525	0.014	ccdc153	coiled-coil domain containing 153
A_15_P100201	ZDB-GENE-040718-443	1.762	0.006	gpr137bb	G protein-coupled receptor 137bb
A_15_P176162	ZDB-GENE-060929-520	1.537	0.02	zgc:152785	zgc:152785
A_15_P630236	ZDB-GENE-070912-5	0.641	0.047	si:ch211-105d4.5	si:ch211-105d4.5
A_15_P631756	ZDB-GENE-041014-69, ZDB-GENE-041014-99	2.384	0.002	taar12b	trace amine associated receptor 12b, trace amine associated receptor 12a
A_15_P385015	NA	1.455	0.015	TC390341	hypothetical LOC566028
A_15_P576232	NA	1.373	0.049	LOC100151273	similar to 52 kDa repressor of the inhibitor of the protein kinase
A_15_P682871	NA	0.629	0.031	LOC100149056	pannexin 3-like
A_15_P498672	NA	1.336	0.036	ENSDART00000110922	novel protein similar to vertebrate protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha (PPP2R3A)
A_15_P208826	ZDB-GENE-050417-164	0.688	0.03	zgc:112020	zgc:112020
A_15_P570517	ZDB-GENE-051010-1	1.739	0.023	ihha	Indian hedgehog homolog a
A_15_P597992	ZDB-GENE-030131-8404	0.494	0.001	trps1	trichorhinophalangeal syndrome I
A_15_P140021	ZDB-GENE-990415-257	1.498	0.008	mapk12	mitogen-activated protein kinase 12
A_15_P570382	ZDB-GENE-041114-90 ZDB-GENE-060918-1, ZDB-GENE-080219-40, ZDB-GENE-071004-53, ZDB-GENE-070822-19	1.726	0.007	zgc:103579	family with sequence similarity 173, member B
A_15_P623186	ZDB-GENE-041114-90 ZDB-GENE-060918-1, ZDB-GENE-080219-40, ZDB-GENE-071004-53, ZDB-GENE-070822-19	0.388	0.042	crygm2d2	crystallin, gamma M2d2, zgc:173452, crystallin, gamma M2d16, crystallin, gamma M2d12
A_15_P444545	NA	0.597	0.007	ENSDART00000097289	tubulin polymerization promoting protein-like
A_15_P393265	NA	1.489	0.02	TC402676	hypothetical LOC794202
A_15_P212906	ZDB-GENE-060421-2756	1.584	0.02	zgc:136827	BAI1-associated protein 2a
A_15_P205176	ZDB-GENE-030131-9659	0.536	0.005	si:ch211-132p20.4	si:ch211-132p20.4

A_15_P189951	NA	1.503	0.029	ENSDART00000040370	novel protein similar to PIM oncogene family
A_15_P254861	NA	2.066	0.001	LOC100149388	inositol 1,4,5-trisphosphate receptor type 2-like, inositol 1,4,5-triphosphate receptor, type 1-like
A_15_P152231	ZDB-GENE-041010-93	0.673	0.028	dut	dUTP pyrophosphatase
A_15_P720219	ZDB-GENE-040426-2381	0.564	0.014	zgc:77651	zgc:77651
A_15_P243741	ZDB-GENE-030616-83	2.68	0	LOC568104	si:rp71-79p20.2
A_15_P232526	NA	0.63	0.013	EH503223	hypothetical LOC100151433
A_15_P141821	ZDB-GENE-040801-130	1.844	0.035	mett10d	methyltransferase 10 domain containing
A_15_P101564	ZDB-GENE-060810-169	1.782	0.004	zgc:136449	zgc:136449
A_15_P112009	ZDB-GENE-040801-168	1.401	0.034	mrp15	mitochondrial ribosomal protein L15
A_15_P256891	NA	1.681	0.008	EH455016	preprogalanin 1B-like
A_15_P490412	ZDB-GENE-090908-1	1.442	0.042	atxn1l	ataxin 1-like
A_15_P372825	ZDB-GENE-081016-1	0.783	0.047	appl1	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1
A_15_P112525	ZDB-GENE-991111-3	4.151	0	igf2a	insulin-like growth factor 2a
A_15_P208976	ZDB-GENE-040426-2519	1.643	0.004	zgc:85909	zgc:85909
A_15_P102304	ZDB-GENE-030903-2	1.34	0.05	cdk8	cyclin-dependent kinase 8
A_15_P729271	ZDB-GENE-061215-33	2.505	0	zgc:158285	zgc:158285
A_15_P765516	NA	0.54	0.039	LOC796447	hypothetical protein LOC796447
A_15_P499147	NA	1.77	0.016	TC402358	histone cluster 1, H2bc-like
A_15_P507837	ZDB-GENE-090312-142	1.514	0.011	ENSDART00000077916	si:ch211-12d10.5
A_15_P180396	ZDB-GENE-060518-1	1.487	0.021	bxdc2	brix domain containing 2
A_15_P113676	ZDB-GENE-051120-141	1.386	0.03	trmt6	tRNA methyltransferase 6 homolog (S. cerevisiae)
A_15_P173121	ZDB-GENE-060503-468	0.525	0.028	si:dkeyp-92c9.2	si:dkeyp-92c9.2
A_15_P239346	NA	1.842	0.001	LOC100150502	intermediate filament family orphan-like
A_15_P112908	ZDB-GENE-050522-267	1.714	0.002	morn5	MORN repeat containing 5
A_15_P205956	ZDB-GENE-030131-6225	1.433	0.038	si:ch211-201b11.2	si:ch211-201b11.2
A_15_P141456	ZDB-GENE-061031-5	3.785	0.001	il17c	interleukin 17c
A_15_P176281	ZDB-GENE-050417-177	1.422	0.026	npepl1	aminopeptidase-like 1
A_15_P272401	NA	3.409	0.032	TC391063	hypothetical LOC565454
A_15_P282946	ZDB-GENE-040927-29	1.631	0.021	bcl9l	B-cell CLL/lymphoma 9-like
A_15_P104700	ZDB-GENE-040712-5	0.708	0.021	irx6a	iroquois homeobox protein 6a

A_15_P240356	NA	1.374	0.03	LOC565523	hypothetical LOC565523
A_15_P258446	NA	0.575	0.008	LOC568110	wingless-type MMTV integration site family, member 7A-like
A_15_P668791	ZDB-GENE-070912-387	1.718	0.013	si:dkey-174k18.1	si:dkey-174k18.1
A_15_P621034	NA	0.592	0.005	si:ch211-193k19.2	si:ch211-193k19.2, hypothetical LOC794143
A_15_P158771	NA	1.539	0.018	LOC792539	Ras association (RalGDS/AF-6) domain family member 5-like
A_15_P169336	ZDB-GENE-040718-223	2.128	0.004	ar16ip5b	ADP-ribosylation factor-like 6 interacting protein 5b
A_15_P118474	NA	0.575	0.004	LOC556422	mitochondrial carrier triple repeat 1-like
A_15_P242606	NA	1.666	0.014	LOC568715	Ras and Rab interactor 2-like
A_15_P119080	ZDB-GENE-040426-2724	1.812	0.012	pkfkb3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
A_15_P190391	NA	1.467	0.029	LOC557266	Transcriptional activator protein Pur-alpha-like
A_15_P287009	NA	1.39	0.016	CA496760	shisa homolog 2-like
A_15_P204301	ZDB-GENE-050913-108	0.696	0.019	acbd7	acyl-Coenzyme A binding domain containing 7 novel protein similar to vertebrate DnaJ (Hsp40) homolog, subfamily B, member 5 (DNAJB5)
A_15_P153871	NA	1.526	0.024	LOC569466	
A_15_P628166	ZDB-GENE-021219-1	1.436	0.018	c1orf109	c1orf109 homolog (H. sapiens)
A_15_P657996	ZDB-GENE-050208-20	1.388	0.026	ENSDART00000112510	si:ch211-254d18.3
A_15_P106484	ZDB-GENE-030131-985	0.558	0.025	htatip	HIV-1 tat interactive protein, homolog (human)
A_15_P153246	ZDB-GENE-050522-256	2.007	0.003	nip7	nuclear import 7 homolog (S. cerevisiae)
A_15_P492587	NA	0.503	0.013	TC430177	sodium- and chloride-dependent GABA transporter 3-like
A_15_P109981	ZDB-GENE-040426-2924	2.161	0.001	sesn3	sestrin 3
A_15_P515357	ZDB-GENE-081031-84	1.949	0.003	LOC570966	si:ch73-299h12.1
A_15_P115133	ZDB-GENE-070410-35	1.577	0.031	zgc:162204	zgc:162204
A_15_P368301	NA	2.622	0	ENSDART00000115126	CG18596-like
A_15_P626641	ZDB-GENE-070822-12, ZDB-GENE-030131-271, ZDB-GENE-080930-1	1.445	0.031	smyhc2	slow myosin heavy chain 2, slow myosin heavy chain 1 , slow myosin heavy chain 3
A_15_P167636	NA	0.652	0.027	slc12a1	Na/K/Cl cotransporter
A_15_P114845	ZDB-GENE-060825-47	1.482	0.009	zgc:153708	zgc:153708
A_15_P117824	ZDB-GENE-030131-5540	1.745	0.002	qrsl1	glutamyl-tRNA synthase (glutamine-hydrolyzing)-like 1
A_15_P113833	NA	1.78	0.002	LOC793804	augurin B
A_15_P157466	ZDB-GENE-050522-189	1.472	0.038	ENSDART00000057865	zgc:112367
A_15_P569807	NA	0.727	0.047	LOC570552	novel asparaginase protein

A_15_P381365	NA	0.494	0.002	LOC799479	G protein-coupled receptor 97-like
A_15_P150691	ZDB-GENE-061030-1	1.631	0.014	cyp2j23	cytochrome P450, family 2, subfamily J, polypeptide 23
A_15_P598132	ZDB-GENE-030131-230	2.16	0.023	si:ch211-241e1.3	si:ch211-241e1.3
A_15_P205621	ZDB-GENE-051023-10	1.821	0.003	zgc:123336	nucleotide binding protein 2 (MinD homolog, E. coli)
A_15_P771221	ZDB-GENE-080219-1	1.475	0.032	TC377194	poly (ADP-ribose) polymerase family, member 6b
A_15_P620638	ZDB-GENE-081022-160	5.101	0.005	rt	reverse transcriptase, zgc:194878
A_15_P153476	ZDB-GENE-040426-1600	0.614	0.005	mlh1	mutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)
A_15_P164271	ZDB-GENE-050913-32	1.753	0.005	noxa1	NADPH oxidase activator 1
A_15_P759526	ZDB-GENE-080218-18, ZDB-GENE-090610-2	3.663	0.003	zgc:172260	zgc:172260, zgc:172109
A_15_P113088	ZDB-GENE-030131-2935	2.212	0.001	igf2b	insulin-like growth factor 2b
A_15_P265151	NA	2.047	0.004	CN319141	solute carrier family 22 (organic cation transporter), member 5-like
A_15_P162046	ZDB-GENE-040426-1490	1.834	0.008	zgc:65960	zgc:65960
A_15_P620681	ZDB-GENE-030131-4905	3.076	0	lgals111	lectin, galactoside-binding, soluble, 1 (galectin 1)-like 1
A_15_P172636	ZDB-GENE-050522-326	1.936	0.002	zgc:112399	zgc:112399
A_15_P501502	NA	1.492	0.007	LOC100001676	novel protein similar to vertebrate carbohydrate kinase-like (CARKL)
A_15_P112467	ZDB-GENE-010412-1	1.727	0.011	six2.1	sine oculis-related homeobox 2a
A_15_P173946	ZDB-GENE-041210-91	1.613	0.017	si:dkey-21h14.2	si:dkey-21h14.2
A_15_P238764	NA	1.939	0.036	LOC100006827	novel protein similar to vertebrate pim oncogene family
A_15_P580737	ZDB-GENE-040426-793	3.644	0	rasl11b	RAS-like, family 11, member B
A_15_P245071	ZDB-GENE-051030-21	1.9	0.015	shox	short stature homeobox
A_15_P208136	ZDB-GENE-041014-54	0.575	0.021	taar12h	trace amine associated receptor 12h
A_15_P262761	ZDB-GENE-071015-1	1.664	0.014	TC391562	Rho GTPase activating protein 20
A_15_P111211	ZDB-GENE-050522-30	1.767	0.011	zgc:110652	zgc:110652
A_15_P219626	ZDB-GENE-030131-1684	0.688	0.019	si:ch211-281g13.2	novel protein similar to vertebrate STE20-like kinase (SLK)
A_15_P100777	ZDB-GENE-041001-132	1.533	0.036	si:dkey-25e12.3	si:dkey-25e12.3
A_15_P312151	ZDB-GENE-050309-209	2.657	0.007	si:ch211-253b1.6	si:ch211-253b1.6
A_15_P412285	NA	0.406	0.028	ENSDART00000035742	Cytochrome b561-like
A_15_P350635	ZDB-GENE-090313-357	1.465	0.021	TC383441	si:dkey-98j1.4
A_15_P117121	ZDB-GENE-081104-519	1.811	0.017	ENSDART00000045588	si:dkeyp-68f9.9
A_15_P182731	ZDB-GENE-041111-169	1.53	0.05	ENSDART00000086717	im:7142837

A_15_P178771	ZDB-GENE-090311-45	1.86	0.007	si:dkey-256k13.1	si:dkey-256k13.1
A_15_P269971	ZDB-GENE-080220-29	1.613	0.034	anxa5a	annexin A5a
A_15_P670036	ZDB-GENE-030131-8091	2.709	0	TC417879	si:ch1073-183g13.2
A_15_P191151	ZDB-GENE-040426-2311	0.585	0.026	aga	aspartylglucosaminidase
A_15_P256406	NA	1.508	0.011	LOC568864	hypothetical LOC568864
A_15_P105222	ZDB-GENE-040704-53	1.554	0.017	spag6	sperm associated antigen 6
A_15_P140006	ZDB-GENE-050201-4	1.918	0.035	fgf23	fibroblast growth factor 23
A_15_P576757	ZDB-GENE-030131-7110	1.446	0.022	ENSDART00000110084	Ras association (RalGDS/AF-6) domain family (N-terminal) member 10b
A_15_P626116	ZDB-GENE-040426-918	1.662	0.004	lpp	LIM domain containing preferred translocation partner in lipoma
A_15_P490882	NA	2.042	0	LOC560297	novel protein similar to vertebrate phosphoglucomutase 5 (PGM5)
A_15_P367265	ZDB-GENE-030131-6989	1.681	0.004	ebna1bp2l	EBNA1 binding protein 2-like
A_15_P137536	ZDB-GENE-030404-1	0.526	0.002	mibp	muscle-specific beta 1 integrin binding protein
A_15_P140756	ZDB-GENE-070822-17, ZDB-GENE-040426-854	1.438	0.046	zgc:171719	zgc:171719, tropomyosin 1 (alpha)
A_15_P190976	NA	1.481	0.041	LOC558202	Transmembrane 9 superfamily member 2-like
A_15_P141546	ZDB-GENE-060929-88	1.719	0.008	zgc:153444	zgc:153444
A_15_P207906	ZDB-GENE-040704-14	1.404	0.047	tha1	threonine aldolase 1
A_15_P289896	ZDB-GENE-080829-11	1.479	0.034	tmem176l.1	Membrane-spanning 4-domains subfamily A member 8A-like, transmembrane protein 176l.1
A_15_P104398	ZDB-GENE-040809-1	0.565	0.003	atm	ataxia telangiectasia mutated
A_15_P170541	ZDB-GENE-090312-92	1.389	0.047	si:dkey-28b4.5	si:dkey-28b4.5
A_15_P102261	ZDB-GENE-040808-37	1.818	0.013	ncaldb	neurocalcin delta b
A_15_P624181	ZDB-GENE-071004-53	0.229	0.01	crygm2d16	crystallin, gamma M2d16
A_15_P100571	ZDB-GENE-050320-149	1.942	0.001	nmd3	NMD3 homolog (S. cerevisiae)
A_15_P235161	NA	1.829	0.004	LOC100151400	similar to C3 and PZP-like, alpha-2-macroglobulin domain containing 8
A_15_P196376	ZDB-GENE-050517-23	1.589	0.021	abcc9	ATP-binding cassette, sub-family C (CFTR/MRP), member 9
A_15_P152266	ZDB-GENE-050904-3	0.59	0.014	sla1	Src-like-adaptor 1
A_15_P772476	ZDB-GENE-030131-3055	1.429	0.031	usp19	ubiquitin specific peptidase 19
A_15_P317986	NA	1.733	0.016	LOC798792	CD79a-like
A_15_P156506	ZDB-GENE-071004-78	1.661	0.006	plcd1a	phospholipase C, delta 1a
A_15_P631364	NA	0.577	0.03	LOC100149066	hairy-related 4.2-like, hairy-related 4.2, hairy-related 4.1
A_15_P166591	NA	1.826	0.017	LOC568219	membrane guanylyl cyclase-like



A_15_P134804	ZDB-GENE-030131-6989, ZDB-GENE-040426-2647	1.818	0.004	ebna1bp2l	EBNA1 binding protein 2-like, SAFB-like, transcription modulator
A_15_P687158	NA	1.524	0.021	LOC564264	predicted protein-like
A_15_P170621	ZDB-GENE-040426-960	1.436	0.044	rbm28	RNA binding motif protein 28
A_15_P164876	NA	2.495	0.001	TC367976	hypothetical LOC555689
A_15_P113610	ZDB-GENE-050417-82	2.899	0.002	ptcd2	pentatricopeptide repeat domain 2
A_15_P138916	NA	2.131	0.001	LOC100149443	novel protein containing lectin C-type domains
A_15_P682751	NA	1.984	0.036	LOC100003937	ADAM metallopeptidase with thrombospondin type 1 motif, 3 proprotein-like
A_15_P175696	ZDB-GENE-040324-1	1.429	0.048	hcr1	hypocretin (orexin) neuropeptide precursor
A_15_P519792	NA	1.763	0.035	LOC100007758	novel protein similar to vertebrate SLIT and NTRK-like family, member 3 (SLITRK3)
A_15_P467190	NA	0.438	0.002	BC150224	hypothetical LOC799971
A_15_P191961	ZDB-GENE-040724-143	1.9	0.006	si:ch211-13n20.2	nidogen 2b (osteonidogen)
A_15_P103560	ZDB-GENE-040426-2242	0.244	0	zgc:77082	zgc:77082
A_15_P211706	ZDB-GENE-030102-2	1.503	0.013	zcchc7l	Zcchc7l protein-like, zinc finger, CCHC domain containing 7- like
A_15_P186236	NA	1.454	0.031	LOC100003543	SAM pointed domain containing ets transcription factor-like
A_15_P545297	ZDB-GENE-090313-208	1.501	0.031	si:dkey-188i13.10	si:dkey-188i13.10
A_15_P285466	ZDB-GENE-040426-1294	1.773	0.006	srfl	serum response factor like
A_15_P766771	NA	1.81	0.005	zgc:173703	zgc:173703, similar to zinc finger protein 569
A_15_P186156	ZDB-GENE-060810-113	1.472	0.028	stx16	syntaxin 16
A_15_P268026	NA	1.454	0.038	LOC795408	lethal (2) k05819-like
A_15_P109600	ZDB-GENE-021120-1	3.238	0.002	ENSDART00000029125	complement component 7
A_15_P151641	ZDB-GENE-030131-3513	3.175	0	mthfsd	methenyltetrahydrofolate synthetase domain containing
A_15_P198351	ZDB-GENE-010724-3	1.444	0.041	sec22ba	SEC22 vesicle trafficking protein homolog B (S. cerevisiae), a
A_15_P392575	ZDB-GENE-030131-8286	4.987	0	TC384981	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C-like, wu:fj64h06
A_15_P153891	ZDB-GENE-010502-2	2.863	0	psma6b	proteasome (prosome, macropain) subunit, alpha type, 6b
A_15_P201521	ZDB-GENE-070912-622	1.824	0.005	si:dkey-9g20.2	transmembrane protein with EGF-like and two follistatin-like domains 2
A_15_P100143	ZDB-GENE-060825-212	1.524	0.013	zgc:153251	zgc:153251
A_15_P192286	ZDB-GENE-041001-138	1.503	0.037	ENSDART00000004209	midasin homolog (yeast)
A_15_P195526	ZDB-GENE-070112-272	1.699	0.009	ptpmt1	protein tyrosine phosphatase, mitochondrial 1
A_15_P589247	ZDB-GENE-080204-110	1.52	0.03	zgc:172271	zgc:172271