

Table S1. The gene list of Venn diagrams from comparisons among different groups RNA-seq data

$|\log_2FC| \geq 3$ up

Names	total	elements	gene name	GeneDescription	log2FC-WT vs WTO	log2FC-HmO vs WTO	log2FC-HmT vs WTT	log2FC-HmT vs HmO
WTT vs WTO HmO vs WTO HmT vs WTT	1	1	ENSRORG00000015126	kbp7 FK506 binding protein 7 [Source:ZFIN;Acc:ZDB-GENE-030616-182]	3.801173182	3.202270782	3.073996615	3.673385009
WTT vs WTO HmO vs WTO HmT vs WTT	4	4	ENSRORG00000008272	zcf4h2 zinc finger C4H2-type containing [Source:NCBI;gene:Acc:101167375]	4.670202689	3.001939255	2.030345612	3.690909394
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG00000007203	spag6 sperm associated antigen 6 [Source:NCBI;gene:Acc:101168253]	3.401705543	-0.612725443	3.952205055	7.967121187
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG00000001873	dnaaf1 dynein, axonemal, assembly factor 1 [Source:ZFIN;Acc:ZDB-GENE-031114-4]	3.118367531	0.619486311	5.380838146	7.880205233
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG000000013051	enkur enkurin, TRPC channel interacting protein [Source:NCBI;gene:Acc:101169986]	5.147001118	-0.300681573	4.602585899	10.05076366
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG00000015746	hormad1 HORMA domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-040718-491]	5.361636592	2.275749753	3.641445334	6.727817892
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG000000021628	mirna -	3.94521362	2.620853084	3.227393539	4.552885377
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG00000016947	kif17 kinesin family member 17 [Source:ZFIN;Acc:ZDB-GENE-080724-12]	3.062848579	0.805654694	3.039232322	5.29160389
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG00000014547	anaaf4 -	17.24992933	11.53403533	4.719483148	10.43584441
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG00000003037	TMEM184C transmembrane protein 184C [Source:NCBI;gene:Acc:101168743]	3.005338236	0.703607745	3.113399769	5.415615663
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG00000009617	svca3 Oryza latipes synaptosomal complex protein 3 (svca3; mRNA; Source:RefSeq; mRNA:NCM 001104712)	3.490019201	2.077074777	5.051444209	6.464240648
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG00000001938	armc3 armadillo repeat containing 3 [Source:ZFIN;Acc:ZDB-GENE-110614-11]	5.918481962	1.37406176	4.187000687	8.731904075
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG00000005527	-	5.181814499	1.785199432	3.857019304	7.254121033
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG00000008020	ahf8b abhydrolase domain containing 8b [Source:ZFIN;Acc:ZDB-GENE-130530-805]	4.64840339	0.320613244	4.243109818	8.571387196
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG000000013075	-	5.35643968	1.725369874	4.034621771	7.666171712
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG000000013475	fatp7a fatty acid-binding protein, brain [Source:NCBI;gene:Acc:101157499]	3.384558086	2.317149192	3.747485373	4.815379449
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG000000014719	-	16.55982607	10.53928485	3.390583379	9.411587133
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG00000012933	-	3.028221324	0.178837866	3.774448009	6.627318723
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG000000004819	MCMDC2 mitochondrial chromosome maintenance domain containing 2 [Source:NCBI;gene:Acc:101171954]	4.038104343	0.802118521	3.974242655	7.210711371
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG000000017955	-	15.69101174	11.16026853	4.837521021	9.368730495
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG000000011728	rme3 NME/NUM2 nucleoside diphosphate kinase 3 [Source:NCBI;gene:Acc:101158025]	5.750428695	1.769297233	3.987446076	7.969600099
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG00000016898	rsp9 radial spoke head 9 homolog [Source:ZFIN;Acc:ZDB-GENE-031120-129]	4.045387346	1.670919497	5.686946682	6.861902014
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG00000016753	cfap206 cilia and flagella associated protein 206 [Source:ZFIN;Acc:ZDB-GENE-050922-460]	4.142848029	1.090518303	4.0337407	7.086561898
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG000000021492	RF00300 RNA component of mitochondrial RNA processing endonuclease [Source:HGNC;Symbol:Acc:HGNC:10031]	4.72022248	3.411176536	3.743701416	5.052334551
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG00000006147	svcp3l -	6.498837043	2.942645958	3.194605537	6.571281581
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG00000006357	-	3.291119015	0.991893353	3.182698389	5.482408425
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG00000001282	-	4.21571834	0.030128782	3.75851546	7.94470172
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG00000009043	tek2 tekin 2 (testicular) [Source:ZFIN;Acc:ZDB-GENE-040113-1]	15.69916683	0	3.45752318	19.15718159
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG000000013191	atp1a3b ATPase Na+/K+ transporting subunit alpha 3b [Source:ZFIN;Acc:ZDB-GENE-003212-8]	3.093073646	1.797872154	3.008363566	4.304050234
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG000000012392	-	3.895912308	-0.028241434	3.746739059	7.67137194
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG000000090736	si.ch211-10a23.2 si.ch211-10a23.2 [Source:ZFIN;Acc:ZDB-GENE-090313-9]	3.146303838	-1.252440945	5.094284985	4.98551284
WTT vs WTO HmO vs WTO HmT vs WTT	30	30	ENSRORG000000013668	-	3.414812292	-0.940824723	4.899652536	9.255774646
HmO vs WTO HmT vs WTT	6	6	ENSRORG000000011773	c2rx1 purinergic receptor P2X, ligand-gated ion channel, 1 [Source:ZFIN;Acc:ZDB-GENE-030319-1]	3.10262546	3.797133995	4.908527298	4.21450558
HmO vs WTO HmT vs WTT	6	6	ENSRORG00000006520	svcp1 synaptosomal complex protein 1 [Source:ZFIN;Acc:ZDB-GENE-040110-8]	-3.48940562	4.308072185	-11.9257876	4.127856045
HmO vs WTO HmT vs WTT	6	6	ENSRORG00000007440	chmp6a chaperon multivesicular body protein 6a [Source:ZFIN;Acc:ZDB-GENE-100812-5]	-5.257084553	3.537651066	11.82570973	3.037743296
HmO vs WTO HmT vs WTT	6	6	ENSRORG00000007240	sema7a semaphorin 7A [Source:ZFIN;Acc:ZDB-GENE-030131-3633]	1.177530426	3.116252093	5.514952305	5.576714422
HmO vs WTO HmT vs WTT	6	6	ENSRORG000000010797	-	2.322935831	3.288275621	5.428895759	4.464040894
HmO vs WTO HmT vs WTT	6	6	ENSRORG00000001409	-	-0.793799823	4.039038248	8.427469203	3.595114735
HmO vs WTO HmT vs WTT	6	6	ENSRORG000000009233	-	4.580801179	3.081195483	-1.94664064	-0.446548491
HmO vs WTO HmT vs WTT	6	6	ENSRORG000000045818	-	5.158711987	4.673039855	5.97670247	1.881684417
HmO vs WTO HmT vs WTT	6	6	ENSRORG00000008275	gls2b GLS family zinc finger 2b [Source:ZFIN;Acc:ZDB-GENE-091204-120]	4.554374498	3.40222678	-1.955998538	-0.803556714
HmO vs WTO HmT vs WTT	6	6	ENSRORG00000007164	ctdnp15a ctdnp15 [Source:NCBI;gene:Acc:101168324]	3.867797188	3.030968052	-4.227702634	-3.390375485
HmO vs WTO HmT vs WTT	6	6	ENSRORG00000016486	nrs1a nuclear receptor subfamily 5 group A member 1 [Source:NCBI;gene:Acc:100045260]	5.535095217	-0.793208992	1.632754445	7.94470172
HmO vs WTO HmT vs WTT	6	6	ENSRORG000000016145	tmem45a transmembrane protein 45A [Source:NCBI;gene:Acc:101171567]	6.109702883	3.43034209	-1.751838184	0.928003373
HmO vs WTO HmT vs WTT	6	6	ENSRORG00000009249	prospasin [Source:NCBI;gene:Acc:101171262]	4.765464582	3.081077362	-1.792262926	-0.10739668
HmO vs WTO HmT vs WTT	6	6	ENSRORG000000050438	zpc194189 zpc194189 [Source:ZFIN;Acc:ZDB-GENE-081022-71]	3.430019852	3.115729604	0.94056127	1.25342151
HmO vs WTO HmT vs WTT	6	6	ENSRORG000000061008	coxs5a COXc finger protein 5a [Source:ZFIN;Acc:ZDB-GENE-030131-3178]	3.366420691	3.170021278	-0.976654125	-0.779769456
HmO vs WTO HmT vs WTT	6	6	ENSRORG00000007008	rsp1b cysteine and glycine-rich protein 1b [Source:ZFIN;Acc:ZDB-GENE-070112-252]	4.580562905	3.037426078	-0.223655733	1.319662117

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Names	total	elements	gene name	GeneDescription	log2FC-WT vs WTO	log2FC-HmO vs WTO	log2FC-HmT vs WTT	log2FC-HmT vs HmO
WTT vs WTO HmO vs WTO	16	16	ENSRORG00000014606	NTRK3 neurotrophic receptor tyrosine kinase 3 [Source:HGNC;Symbol:Acc:HGNC:8033]	-3.37668132	-3.216840924	0.300574514	0.146019859
WTT vs WTO HmO vs WTO	16	16	ENSRORG00000016104	-	-7.128524338	-16.00404113	-8.875534352	0
WTT vs WTO HmO vs WTO	16	16	ENSRORG000000000570	TNNI2 (1) tropomyosin I, fast skeletal muscle [Source:NCBI;gene:Acc:101156490]	-3.191024219	-5.324663484	-2.621071894	-0.486985441
WTT vs WTO HmO vs WTO	16	16	ENSRORG00000001935	svr3 synaptotagmin III [Source:ZFIN;Acc:ZDB-GENE-090601-1]	-3.604557606	-7.158526943	-1.201389837	2.353063576
WTT vs WTO HmO vs WTO	16	16	ENSRORG000000013345	plp4p phospholipid phosphatase 4 [Source:ZFIN;Acc:ZDB-GENE-081107-53]	-5.775132987	-3.42178265	1.292340684	-1.060524492
WTT vs WTO HmO vs WTO	16	16	ENSRORG000000012562	-	-15.6313135	-3.586601224	12.45774253	0.413518865
WTT vs WTO HmO vs WTO	16	16	ENSRORG000000013180	hcn4 hyperpolarization activated cyclic nucleotide-gated potassium channel 4 [Source:ZFIN;Acc:ZDB-GENE-090420-368]	-5.520600743	-3.609917053	2.25459279	0.344393394
WTT vs WTO HmO vs WTO	16	16	ENSRORG00000008586	-	-6.153054236	-7.094404599	-0.985420187	-0.043584266
WTT vs WTO HmO vs WTO	16	16	ENSRORG00000005962	tpst1a tryptophan hydroxylase 1 (tryptophan 5-monoxygenase) a [Source:ZFIN;Acc:ZDB-GENE-030317-1]	-5.318721649	-5.266341765	-1.00095381	-1.052848972
WTT vs WTO HmO vs WTO	16	16	ENSRORG000000011011	sidcy3-3a dispatched RND transporter family member 3 [Source:HGNC;Symbol:Acc:HGNC:29251]	-3.030521536	-7.158455428	-0.001542419	4.126900489
WTT vs WTO HmO vs WTO	16	16	ENSRORG000000018234	-	-7.32900042	-4.203537088	-8.875534352	12.70009473
WTT vs WTO HmO vs WTO	16	16	ENSRORG00000003268	cadm2b cell adhesion molecule 2b [Source:ZFIN;Acc:ZDB-GENE-080506-3]	-4.476828973	-7.123990594	-1.041316215	1.606329409
WTT vs WTO HmO vs WTO	16	16	ENSRORG00000004627	-	-4.978265703	-5.87256815	1.203839551	2.09862149
WTT vs WTO HmO vs WTO	16	16	ENSRORG000000012851	-	-4.529760306	-3.512269645	-6.89209645	-2.706210517
WTT vs WTO HmO vs WTO	16	16	ENSRORG00000004712	igfbp3 cartilage intermediate layer protein 2 [Source:NCBI;gene:Acc:101160704]	-17.89338325	-3.412911291	12.79861028	-1.681470732
WTT vs WTO HmO vs WTO	16	16	ENSRORG000000006007	sou5 insulin like growth factor 2 mRNA binding protein 3 [Source:NCBI;gene:Acc:101156590]	-3.34732611	-0.139165108	-0.584014591	-3.791717068
WTT vs WTO HmO vs WTO	16	16	ENSRORG000000050780	sou5s heme-binding protein sou5 [Source:ZFIN;Acc:ZDB-GENE-110718-2]	-4.101978636	3.324966349	2.239382023	-5.18078109
WTT vs WTO HmO vs WTO	16	16	ENSRORG000000014006	-	-6.035524567	-0.422907397	-3.775135553	-9.387266969
WTT vs WTO HmO vs WTO	16	16	ENSRORG00000004261	-	-9.959317565	-0.596678364	-0.240205179	-9.602300028
WTT vs WTO HmO vs WTO	16	16	ENSRORG000000014984	nof12 nuclear protein 12 [Source:ZFIN;Acc:ZDB-GENE-040426-135]	-5.758764739	-0.85705846	0.016121256	-4.885119024
WTT vs WTO HmO vs WTO	16	16	ENSRORG000000011808	acs15 acyl-CoA synthetase long chain family member 5 [Source:ZFIN;Acc:ZDB-GENE-040312-168]	-6.60350302	2.384954716	4.305279512	-3.682691849
WTT vs WTO HmO vs WTO	16	16	ENSRORG00000000414	-	-10.33132084	-0.263845399	1.088052005	8.979547119
WTT vs WTO HmO vs WTO	16	16	ENSRORG00000002623	serpin7 serine protease inhibitor A3N [Source:NCBI;gene:Acc:101156256]	-10.76704875	-0.779749921	-5.892631449	-9.447560733
WTT vs WTO HmO vs WTO	16	16	ENSRORG000000012026	-	-9.87030655	0.088659972	-1.80116748	-11.84132946
WTT vs WTO HmO vs WTO	16	16	ENSRORG000000002190	hxd3b7 3 beta-hydroxysteroid dehydrogenase type 7 [Source:NCBI;gene:Acc:101172816]	-9.594825302	-1.340873331	0.687474671	-7.559901713
WTT vs WTO HmO vs WTO	16	16	ENSRORG000000003684	svcp1 synaptosomal complex protein 1 [Source:NCBI;gene:Acc:101172816]	-3.904746749	0.703167331	0.006757968	-4.600670936
WTT vs								

	ENSRLO00000006626	colgalt1	collagen beta1-O-galactosyltransferase 1 [Source:ZFIN;Acc:ZDB-GENE-010720-6]	3.745018625	3.628952646	0.663240725	1.145892766		
	ENSRLO000000013447	serpinf1	serpin family F member 1 [Source:NCBI gene:Acc:101160187]	4.912306731	3.796536828	-1.18090841	-0.064653555		
	ENSRLO000000014624	angptl1a	angiopoietin-like 1a [Source:ZFIN;Acc:ZDB-GENE-040724-269]	3.560295457	3.024937164	-0.85092516	-0.315078264		
	ENSRLO000000017193	ddr2l	discoidin domain receptor family, member 2, like [Source:ZFIN;Acc:ZDB-GENE-041210-162]	4.344688418	3.054914442	-1.139688763	0.150770164		
	ENSRLO00000001293	igfb9b	immunoglobulin superfamily, member 9b [Source:ZFIN;Acc:ZDB-GENE-060810-28]	6.382557233	3.989783341	-0.410483294	1.982774881		
	ENSRLO00000017301	um_nsa82l	terastatinin 4 [Source:NCBI gene:Acc:101157219]	4.309331461	3.448827947	-1.214868269	-0.354879143		
	ENSRLO00000013074	um_nsa82l	un-named s82l [Source:ZFIN;Acc:ZDB-GENE-120727-16]	3.9631043	3.809150471	-0.147461252	0.006980044		
	ENSRLO00000006002	mpeg1.2	macrophage expressed 1, tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-050522-305]	4.452615538	4.141305187	-0.356965889	-0.045173012		
	ENSRLO00000004846	dnase2b	deoxyribonuclease II beta [Source:ZFIN;Acc:ZDB-GENE-090824-2]	3.675401599	3.133134863	-0.488262893	0.054488991		
	ENSRLO00000006278	s100a1	S100 calcium binding protein A1 [Source:NCBI gene:Acc:101155142]	4.19254494	4.174137923	-0.10941416	-0.090521211		
	ENSRLO00000007058	anxa6	annexin A6 [Source:NCBI gene:Acc:101156586]	4.105175152	3.703422815	-0.86569195	-0.26240545		
	ENSRLO00000005565	bmpr1ba	bone morphogenetic protein receptor type 1B [Source:NCBI gene:Acc:101171086]	3.90067193	3.637971359	1.175588209	1.438773478		
	ENSRLO00000008324	zgc:172352	nck-associated protein 1-like [Source:NCBI gene:Acc:101159814]	3.712113041	3.218810188	0.052097993	0.545886894		
	ENSRLO000000010254	akr4b	atypical chemokine receptor 4b [Source:ZFIN;Acc:ZDB-GENE-051107-10]	3.004530137	3.144574051	-0.565896916	-0.705454963		
	ENSRLO00000002043	anxa6	annexin A6 [Source:NCBI gene:Acc:101156586]	4.285884495	3.031618328	-1.170240815	0.084510185		
	ENSRLO00000011703	ctcd4	potassium channel tetramerization domain containing 4 [Source:NCBI gene:Acc:101164601]	3.748706433	3.151768938	-0.116279388	-0.420892999		
	ENSRLO00000015490	erfs1	immediate early response 5-like [Source:ZFIN;Acc:ZDB-GENE-030311-5134]	5.500289208	6.118063842	2.456587776	1.98191522		
	ENSRLO000000013481	si:skey-178e17.3	si:skey-178e17.3 [Source:ZFIN;Acc:ZDB-GENE-081104-335]	5.509917505	3.455299644	-0.163210056	1.891891522		
	ENSRLO00000002270	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	5.001963571	3.065833103	-1.300395401	0.636219833		
	ENSRLO00000002674	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	5.569741954	4.557056000	0.108013835	1.121192114		
	ENSRLO000000013448	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	4.929396939	3.290174931	0.181745387	1.881442427		
	ENSRLO00000004473	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	5.589762363	3.269667132	-0.354407136	1.91601473		
	ENSRLO00000016844	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	4.362784547	3.800078539	-0.930139638	-0.366946933		
	ENSRLO00000002228	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	7.46092527	5.008898361	-1.134248689	1.31938687		
	ENSRLO00000003041	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	4.485563887	4.33654841	-0.140310077	1.009245542		
	ENSRLO00000002668	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	5.572424885	3.03447117	4.93587581	-2.397436318		
	ENSRLO000000015826	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	6.505387739	4.201659903	-1.409248361	0.894962352		
	ENSRLO00000002139	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	4.225939665	3.328211321	-0.916178276	-0.017966824		
	ENSRLO000000013415	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	5.991976868	4.615823048	-0.897384126	0.489274302		
	ENSRLO000000009908	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	4.633354668	4.901017706	0.501445668	0.234267601		
	ENSRLO000000010534	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	3.232291343	3.082946568	0.04948792	0.199779177		
	ENSRLO000000009095	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	3.192811449	3.72868243	1.046918681	0.511533985		
	ENSRLO00000005483	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	3.378609096	3.131218331	1.074791133	0.122659586		
	ENSRLO000000017221	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	3.163302576	3.24047036	1.085841148	1.009157924		
	ENSRLO000000016332	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	4.076351308	3.328662808	-0.157003943	0.529395781		
	ENSRLO000000012432	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	5.59426031	4.162842957	-0.318622097	0.894845799		
	ENSRLO000000021202	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	4.487087377	3.553296232	0.478041659	1.412317982		
	ENSRLO000000013987	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	3.785898422	3.995471535	-0.072409573	-0.308806791		
	ENSRLO000000003310	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	6.233755506	6.470037049	-0.233378454	-0.469183417		
	ENSRLO000000002105	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	3.071497261	4.332353518	0.597602419	-0.653789662		
	WTT VS WTO HMT VS HMTc	382	ENSRLO000000002103	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	7.728486009	3.826130661	-1.815920944	-2.069919601
	ENSRLO000000002035	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	4.195638742	0.934616169	0.750348152	4.011855596		
	ENSRLO000000015810	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	3.290076829	1.156680513	1.289776812	3.423657784		
	ENSRLO000000007494	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	4.822878581	1.665182985	0.333252751	3.491433659		
	ENSRLO000000006837	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	5.731809044	0.1418744	-1.315140363	4.275279989		
	ENSRLO000000004516	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	5.416735371	0.994368264	0.215755223	4.638609112		
	ENSRLO00000005707	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	4.758728158	1.821237526	0.951363418	0.689338418		
	ENSRLO000000014593	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	4.805610066	-4.16872233	-5.88233721	3.392538533		
	ENSRLO00000017054	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	4.745511711	1.56607348	0.3388008	3.27191162		
	ENSRLO000000007716	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	4.99533571	2.417644998	0.91902264	3.491732627		
	ENSRLO00000004820	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	7.801880415	3.70995376	1.215188895	5.300937369		
	ENSRLO000000013055	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	17.03811554	1.621517901	2.582887165	7.006293257		
	ENSRLO000000012384	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	3.09753812	1.90359093	2.200716254	3.395148652		
	ENSRLO000000016618	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	4.294789863	0.306711782	0.51011374	4.498675752		
	ENSRLO000000007136	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	5.543341965	-0.54004394	-2.487810539	3.596064188		
	ENSRLO000000018416	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	4.539148576	0.554958555	-0.486351559	3.496327229		
	ENSRLO000000006929	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	3.46962808	0.178627175	1.671589068	4.963070207		
	ENSRLO000000010463	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	3.464233771	1.23059428	1.189676058	3.423801719		
	ENSRLO000000011524	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	6.199684052	-0.357304146	-2.184601511	4.372869241		
	ENSRLO000000011173	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	3.771821928	-0.79904027	-0.351779784	4.21956955		
	RF00067	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	6.315783827	2.03824576	-1.028012875	3.253006553		
	ENSRLO00000001105	zfn	zinc finger protein [Source:ZFIN;Acc:ZDB-GENE-040912-110]	4.598042221	1.145527033	3.25201269	3.25201269		

	ENSRLO000000013640	-	uncharacterized LOC101174542 [Source:NCBI gene:Acc:101174542]	-	-	-21.58527381	0.840440035	0	-27.42568084
	ENSRLO000000009100	-	cell death-inducing c53-target protein 1 [Source:NCBI gene:Acc:101167680]	-	-	-8.239827409	0.99610957	4.458462335	-4.776988707
	ENSRLO000000000170	-	-	-	-	-4.14048938	0.345512436	-0.157896243	-4.643413638
	ENSRLO000000018838	-	-	-	-	-3.897887637	-0.621853955	-0.467765405	-3.743314335
	ENSRLO000000015343	slc7a6	solute carrier family 7 (amino acid transporter light chain, lysyl system), member 6 [Source:ZFIN;Acc:ZDB-GENE-000607-211]	-	-	-7.976256403	-0.735475826	-0.0665339	7.30694927
	ENSRLO00000016451	-	-	-	-	-19.95702683	1.07547097	17.8698788	3.162905102
	ENSRLO000000015704	-	-	-	-	-18.04123926	-0.227411347	13.87664446	-3.934684136
	ENSRLO000000011397	-	-	-	-	-5.326446655	-0.04366923	1.30665226	-3.975451802
	ENSRLO000000012996	sidkayp-1b	si:skayp-17h1.4 [Source:ZFIN;Acc:ZDB-GENE-050208-18]	-	-	-5.116160922	0.150826531	-0.963226758	6.279228524
	ENSRLO000000000479	gtf2a1	general transcription factor IIA, 1-like [Source:ZFIN;Acc:ZDB-GENE-060329-28]	-	-	-3.674165341	-0.636473602	-2.295757238	5.333964076
	ENSRLO000000010924	gtf2a1	general transcription factor IIA, 1-like [Source:ZFIN;Acc:ZDB-GENE-060329-28]	-	-	-4.045258778	-1.00748365	-0.178606576	-3.755533956
	ENSRLO00000009822	gpc3	glypican 3 [Source:ZFIN;Acc:ZDB-GENE-031212-11]	-	-	-3.182619467	-0.296363514	-0.793020037	-3.678791
	ENSRLO00000013664	hsn1a	hsc70 heat shock protein 1a [Source:ZFIN;Acc:ZDB-GENE-031009-1]	-	-	-3.580779276	-0.295431017	-1.635279373	-4.930142631
	ENSRLO00000005824	gnrh3	Gonadotropin-releasing hormone 3 (gon3), mRNA [Source:RefSeq mRNA:NCNM_001104672]	-	-	-16.42658686	3.298120449	10.25296104	-9.471256466
	ENSRLO000000006614	-	-	-	-	-10.73578175	-0.39239789	2.157105336	-8.18579271
	ENSRLO000000008830	-	-	-	-	-10.33278894	0.455950359	-0.170718952	-10.95887253
	ENSRLO000000013324	-	-	-	-	-9.91431089	-0.549933217	-0.444552114	-9.608453389
	ENSRLO00000000290	pen1tm2	penicillin 2 [Source:NCBI gene:Acc:101167661]	-	-	-6.50391388	0.207551616	1.064905247	-5.6926777
	ENSRLO000000017272	oclnb	occludin b [Source:ZFIN;Acc:ZDB-GENE-041212-43]	-	-	-7.075948023	-0.503678923	1.81226858	-4.719515466
	ENSRLO00000006269	YBX2	Y-box binding protein 2 [Source:NCBI gene:Acc:100049372]	-	-	-4.198005851	-0.136937094	-0.680888234	-4.741472072
	ENSRLO000000011305	-	-	-	-	-7.277335004	-0.581857077	3.063743439	-3.631248282
	ENSRLO000000002186	-	-	-	-	-5.510047101	2.718972471	5.424886219	3.10460458
	ENSRLO00000000299	-	-	-	-	-9.730075951	-1.185624324	-2.882378441	-11.40643640
	ENSRLO000000009392	anxa13	annexin A13, like [Source:ZFIN;Acc:ZDB-GENE-050522-310]	-	-	-5.913651339	-0.664168089	-1.111267295	7.68880392

ENSRORG0000017144	cdkn2c	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4) [Source:ZFIN;Acc:ZDB-GENE-081104-145]	16.78895875	13.61802524	2.175288347	5.346589436
ENSRORG0000007279	-	-	16.31224713	13.81647671	2.64052061	5.136789938
ENSRORG0000001205	l10	coagulation factor X [Source:ZFIN;Acc:ZDB-GENE-021206-9]	4.608270659	2.49739447	1.611704987	3.723065727
ENSRORG0000002094	ompa	olfactory marker protein a [Source:ZFIN;Acc:ZDB-GENE-050526-118]	3.91927582	1.869719268	2.057911325	4.107953816
ENSRORG00000008740	sidkey-943a	sidkey-943a [Source:ZFIN;Acc:ZDB-GENE-110914-175]	4.211474052	1.699933139	0.622589191	3.134617257
ENSRORG00000016013	agmat	agmatine ureohydrolase (agmatinase) [Source:ZFIN;Acc:ZDB-GENE-080929-696]	5.322016072	1.210188821	-1.017446946	3.094866307
ENSRORG0000005514	cef1	centa-EF-hand domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-040601-259]	4.217235548	1.087070447	0.514710327	3.645360094
ENSRORG00000008980	-	-	5.895270016	0.759538364	-0.568398662	4.567803489
ENSRORG00000004118	STRADB	STB2-related kinase adaptor beta [Source:HGNC Symbol;Acc:HGNC:13205]	5.493472527	1.596834018	1.336802875	5.231924979
ENSRORG00000016512	ofa	Oryzias latipes transferin (LOC100144362), mRNA [Source:RefSeq; mRNMAccess:NM_001122932]	4.958837946	1.396252138	0.124325105	3.685395528
ENSRORG0000007135	mytqhb	myosin binding protein HB [Source:ZFIN;Acc:ZDB-GENE-030131-979A]	3.289160893	-0.594059504	0.710440667	4.594147251
ENSRORG00000017709	c10a3b	complement component 1, s subcomponent-like 3b [Source:ZFIN;Acc:ZDB-GENE-040426-180B]	3.310690759	0.167831726	-0.109096676	3.034245587
ENSRORG00000012301	e2f7	E2F transcription factor 7 [Source:ZFIN;Acc:ZDB-GENE-030131-3527]	6.018114024	2.770710646	0.574208973	3.822089756
ENSRORG0000006037	gs12a	regulator of G protein signaling 12a [Source:ZFIN;Acc:ZDB-GENE-030131-261A]	3.828309023	0.503764007	0.986824789	4.29365389
ENSRORG00000004874	-	-	3.787584312	1.671704521	0.961841522	3.078206439
ENSRORG00000005289	-	-	5.181060679	0.815466837	-1.042806722	3.303271641
ENSRORG00000009000	trnm69	tripartite motif containing 69 [Source:ZFIN;Acc:ZDB-GENE-030131-857]	4.754351768	1.60775608	1.160101926	4.307182368
ENSRORG00000015286	mag	myelin associated glycoprotein [Source:NCBI gene;Acc:10153466]	4.827218726	-1.011577996	0.205644551	6.0492383
ENSRORG00000012800	mpap1	prostate transmembrane protein, androgen induced 1 [Source:ZFIN;Acc:ZDB-GENE-040718-320]	4.838162448	0.64163733	-0.92705202	3.269957098
ENSRORG00000016913	trnm110l	transmembrane protein 110, like [Source:ZFIN;Acc:ZDB-GENE-040426-912]	5.632682019	2.326396554	1.06165138	4.368426042
ENSRORG00000011205	adcyap1a	adenylylate cyclase activating polypeptide 1a [Source:ZFIN;Acc:ZDB-GENE-020809-4]	3.550977534	-0.292244871	0.822216151	4.670918235
ENSRORG0000000147	NBL1	neuroblastoma 1, DAN family BMP antagonist [Source:NCBI gene;Acc:101167028]	5.601706533	0.763175508	-0.788942707	4.050075145
ENSRORG00000012745	-	cartonic anhydrase 1 [Source:NCBI gene;Acc:10148801]	6.469646621	-0.382185167	-1.387467012	5.464848512
ENSRORG00000014099	rab42b	RAB42, member RAS oncogene family [Source:ZFIN;Acc:ZDB-GENE-050417-172]	5.700016794	0.232798187	0.958002603	4.08072603
ENSRORG0000004897	stim2a	stromal interaction molecule 2a [Source:ZFIN;Acc:ZDB-GENE-130530-765]	17.02757916	12.21522052	0.898549463	5.711375393
ENSRORG00000018142	ezra	ezrin a [Source:ZFIN;Acc:ZDB-GENE-050522-18]	6.210809147	-0.26380433	-3.115093153	3.359281424
ENSRORG00000015429	dncr7	7-dehydrocholesterol reductase [Source:ZFIN;Acc:ZDB-GENE-030912-9]	4.448970568	1.655821741	0.860186146	3.653819438
ENSRORG00000017346	sc25a12	scn carrier family 25 (aspartate/glutamate carrier), member 12 [Source:ZFIN;Acc:ZDB-GENE-031006-11]	4.401282152	0.020569605	-1.21178841	3.169408819
ENSRORG00000090970	lmy1 (1 of many)	lymph node metastasis 1 [Source:ZFIN;Acc:ZDB-GENE-051113-188]	3.816227968	1.210426884	4.130781341	4.098538279
ENSRORG0000006351	zpc123217	zpc123217 [Source:ZFIN;Acc:ZDB-GENE-051113-188]	4.654059516	-0.523342922	-0.06954213	5.117446771
ENSRORG00000012541	lcat	lecithin:cholesterol acyltransferase [Source:ZFIN;Acc:ZDB-GENE-010716-3]	4.12748632	1.927496988	1.276149326	3.476627671
ENSRORG000000011023	si.ch211-117c9.5	si.ch211-117c9.5 [Source:ZFIN;Acc:ZDB-GENE-110408-7]	3.58996301	-0.046028292	0.551199551	3.46655472
ENSRORG0000005556	birc2	baculoviral IAP repeat containing 2 [Source:ZFIN;Acc:ZDB-GENE-030825-6]	3.573155044	0.93531802	1.07726811	3.715049095
ENSRORG00000010203	-	-	3.450562145	0.29241512	-0.070110623	3.157614002
ENSRORG00000012085	enpp1	ectonucleotide pyrophosphatase/phosphodiesterase 1 [Source:ZFIN;Acc:ZDB-GENE-040724-172]	3.70257996	1.305580288	1.086317445	3.481482465
ENSRORG00000009198	osbp2	oxysterol binding protein 2 [Source:ZFIN;Acc:ZDB-GENE-091113-18]	4.008002116	0.141112931	2.150184736	6.017558494
ENSRORG00000016520	sgk1	serum/glucocorticoid regulated kinase 1 [Source:ZFIN;Acc:ZDB-GENE-030131-286D]	4.97222678	0.426744688	-0.526733425	4.019233378
ENSRORG00000013627	-	-	3.375272815	2.220388024	-0.229173663	3.932452421
ENSRORG00000017192	phgdh	phosphoglycerate dehydrogenase [Source:NCBI gene;Acc:10158110]	5.091161834	2.780491264	0.778615223	3.089772023
ENSRORG0000006894	acid1b	acid-sensing (proton-gated) ion channel 1b [Source:ZFIN;Acc:ZDB-GENE-040513-11]	5.482648022	1.815796043	-0.05550071	3.611840242
ENSRORG00000017435	dna	dydroprotein, alpha [Source:ZFIN;Acc:ZDB-GENE-070117-2]	6.797435781	2.047023019	0.315999161	5.668644234
ENSRORG00000015256	lhx1	Lhx1 [Source:ZFIN;Acc:ZDB-GENE-030805-5]	18.24612227	12.92330891	-2.03335212	3.289926731
ENSRORG00000008937	si.ch73-61b6.3	si.ch73-61b6.3 [Source:ZFIN;Acc:ZDB-GENE-091204-109]	4.264459025	0.866865476	0.098811052	3.496891017
ENSRORG00000010258	Hdc1	putative hexokinase HKDC1 [Source:NCBI gene;Acc:101164634]	5.064043105	1.414161718	0.255149485	3.905516568
ENSRORG00000009222	scd1	sterol C-6 desaturase [Source:NCBI gene;Acc:101160599]	4.619966738	2.311741019	1.088921795	3.37932035
ENSRORG00000007849	cxcl19	interleukin-8 [Source:NCBI gene;Acc:101155802]	5.554361816	0.128911126	-0.953023621	4.472911703
ENSRORG00000013799	-	-	5.32309088	1.645890322	-0.08782929	3.589711385
ENSRORG00000006713	-	-	3.206648488	0.858541739	1.246547995	3.597139505
ENSRORG00000021522	Rf00566	small nuclear RNA SNORA35 [Source:NCBI gene;Acc:111948276]	4.349602419	2.49316115	1.180427041	3.037356074
ENSRORG00000003449	-	-	4.3229328	1.116250717	0.342054433	3.42770836
ENSRORG0000004855	adsb	adenylosuccinate synthase [Source:ZFIN;Acc:ZDB-GENE-050417-337]	6.046817585	1.613430227	-0.205420304	4.22845255
ENSRORG00000009912	usp2a	ubiquitin specific peptidase 2a [Source:ZFIN;Acc:ZDB-GENE-041212-39]	3.77409566	1.13606953	2.711719388	5.356804459
ENSRORG00000015528	zgc109949	riboflavin-binding protein [Source:NCBI gene;Acc:101163821]	5.586458086	-3.528951272	0.70329821	3.07329821
ENSRORG0000005935	-	-	6.829029028	1.01406671	-2.79101453	3.024433517
ENSRORG00000011133	-	-	4.094662871	0.2853472	1.045625688	4.855431963
ENSRORG00000012461	ptx3b	pentraxin 3, long b [Source:ZFIN;Acc:ZDB-GENE-081104-385]	6.136739059	-0.011381781	-2.555195837	3.593410484
ENSRORG00000012162	dPYSL2	dihydropyrimidinase like 2 [Source:HGNC Symbol;Acc:HGNC:3014]	5.430049876	1.94215413	1.527491221	5.01587293
ENSRORG00000002064	-	-	4.337956413	1.754651278	0.709393997	3.293152938
ENSRORG00000013976	-	-	5.714088927	-1.236642056	-3.710245734	3.24099955
ENSRORG0000000909	CLRN3	clrn3 [Source:NCBI gene;Acc:101166090]	3.500507489	-0.825967736	-1.014948064	3.12052324
ENSRORG00000010014	si.skey-9110.3	si.skey-9110.3 [Source:ZFIN;Acc:ZDB-GENE-081105-124]	5.109134691	1.788426746	0.198685116	3.517987999
ENSRORG00000017133	rhcg	Rh family, C glycoprotein b [Source:ZFIN;Acc:ZDB-GENE-040426-295B]	5.856858762	-1.375052779	-2.715001924	4.519398862
ENSRORG00000018220	fer16	fer-1-like family member 6 [Source:ZFIN;Acc:ZDB-GENE-070912-312]	5.412851522	1.17921807	1.254521329	5.488636372

ENSRORG00000011283	-	-	-	-	-	-
ENSRORG00000000073	-	-	-	-	-	-9.411495376
ENSRORG00000010587	-	-	-	-	-	-3.354521546
ENSRORG00000016443	igf1	insulin like growth factor 1 [Source:NCBI gene;Acc:101168167]	-	-	-	-10.4730952
ENSRORG00000006854	sidkey-2b	sidkey-20q17.3 [Source:ZFIN;Acc:ZDB-GENE-131117-37]	-	-	-	-0.70897326
ENSRORG00000004318	hcn2b	Hypertension activated cyclic nucleotide-gated potassium channel 2b [Source:ZFIN;Acc:ZDB-GENE-030131-822B]	-	-	-	0.082654253
ENSRORG00000005919	-	-	-	-	-	-5.047238927
ENSRORG00000005996	fbxo32	F-box protein 32 [Source:NCBI gene;Acc:101164672]	-	-	-	-0.255519136
ENSRORG00000010103	-	-	-	-	-	-4.59619071
ENSRORG00000011605	-	uncharacterized LOC101163484 [Source:NCBI gene;Acc:101163484]	-	-	-	-4.720054685
ENSRORG00000011815	-	-	-	-	-	3.823711533
ENSRORG00000013494	BMP7	bone morphogenetic protein 7 [Source:HGNC Symbol;Acc:HGNC:1014]	-	-	-	0.00076633
ENSRORG00000013525	lsm14b	LSM family member 14B [Source:ZFIN;Acc:ZDB-GENE-040426-779]	-	-	-	-3.254503534
ENSRORG00000014017	-	uncharacterized LOC101163484 [Source:NCBI gene;Acc:101163484]	-	-	-	0.828457469
ENSRORG00000014516	cyp26a1	Oryzias latipes cytochrome P450, family 26, subfamily A, polypeptide 1 (cyp26a1), mRNA [Source:RefSeq; mRNMAccess:NM_001278843]	-	-	-	-7.956665846
ENSRORG00000004976	-	-	-	-	-	-8.116753462
ENSRORG00000010075	grip2a	glutamate receptor interacting protein 2a [Source:ZFIN;Acc:ZDB-GENE-081104-132]	-	-	-	0.09594922
ENSRORG00000017250	fox2a	forkhead box P2a [Source:ZFIN;Acc:ZDB-GENE-110407-5]	-	-	-	0.462821409
ENSRORG00000014532	h3z321	SH3 domain containing 21 [Source:ZFIN;Acc:ZDB-GENE-051120-571]	-	-	-	-1.17575811
ENSRORG00000006281	guca1c	guanylyl cyclase-activating protein 3 [Source:NCBI gene;Acc:101172917]	-	-	-	-6.218742728
ENSRORG00000013038	calt2a	calretinin [Source:NCBI gene;Acc:101174993]	-	-	-	-3.77288642
ENSRORG00000000833	-	FRS3, lysosomal thiol reductase [Source:NCBI gene;Acc:101167441]	-	-	-	-0.651195123
ENSRORG00000004312	marveld2	MARVEL domain containing 2b [Source:ZFIN;Acc:ZDB-GENE-050208-54]	-	-	-	0.488662034
ENSRORG00000017278	marveld2	MARVEL domain containing 2b [Source:ZFIN;Acc:ZDB-GENE-050208-54]	-	-	-	0.241392343
ENSRORG00000004348	-	-	-	-	-	-5.698423006
ENSRORG00000010501	fox2a	forkhead box P2a [Source:ZFIN;Acc:ZDB-GENE-110407-5]	-	-	-	-9.877742807
ENSRORG00000015942	-	-	-	-	-	-0.370517707
ENSRORG00000009106	-	-	-	-	-	0.171160583
ENSRORG00000017484	erb-b2	erb-b2 receptor tyrosine kinase-4 [Source:ZFIN;Acc:ZDB-GENE-030918-5]	-	-	-	-4.20149076
ENSRORG00000016023	erb-b4	erb-b2 receptor tyrosine kinase-4 [Source:ZFIN;Acc:ZDB-GENE-030918-5]	-	-	-	0.214823322
ENSRORG00000015464	-	-	-	-	-	0.214823322
ENSRORG0000001978	aggat9r	1-acylglycerol-3-phosphate O-acyltransferase 9, like [Source:ZFIN;Acc:ZDB-GENE-060531-19]	-	-	-	0.214823322
ENSRORG00000014796	-	-	-	-	-	-1.81070643
ENSRORG00000035053	sidkey-2b	Oryzias latipes RNA binding protein 42Sd43 (LOC100049510), mRNA [Source:RefSeq; mRNMAccess:NM_001104863]	-	-	-	-3.05098704
ENSRORG00000016779	syta5	synaptotagmin Va [Source:ZFIN;Acc:ZDB-GENE-040718-110]	-	-	-	-0.511958338
ENSRORG0000001667	-	-	-	-	-	-0.522454812
ENSRORG00000009490	GABRA2	gamma-aminobutyric acid type A receptor alpha2 subunit [Source:HGNC Symbol;Acc:HGNC:4076]	-	-	-	-5.060676974
ENSRORG00000015608	zgc-66449	-	-	-	-	-0.609219055
ENSRORG00000015383	-	-	-	-	-	0.945668125
ENSRORG00000012642	lsm1	LSM1 homolog, mRNA degradation associated [Source:NCBI gene;Acc:101156502]	-	-	-	-3.506324312
ENSRORG00000014835	-	-	-			

ENSRORLG0000004849	csf1ra	colony stimulating factor 1 receptor, alpha [Source:ZFIN;Acc:ZDB-GENE-001205-1]	5.035280899	1.5683925	0.01233996	3.479709373
ENSRORLG0000001711	cpnb4b	cytosolic polyubiquitination element binding protein 4b [Source:ZFIN;Acc:ZDB-GENE-170601-167]	3.666201114	0.878587993	1.495306232	4.283404172
ENSRORLG0000001576	SLC25A24	solute carrier family 25 member 24 [Source:HGNC Symbol;Acc:HGNC:20862]	5.182110709	1.839843362	0.260042641	3.602791487
ENSRORLG0000007552	OTU domain containing protein 75 [Source:HGNC Symbol;Acc:HGNC:20718]		6.086657471	1.895637599	-1.0819362	3.109565421
ENSRORLG0000004933	pkpka	phosphotransferase, platelet alpha [Source:ZFIN;Acc:ZDB-GENE-091112-29]	4.364249117	1.361932027	0.123198616	3.124191754
ENSRORLG0000001885	dnm3a	DNM3 domain 3 [Source:ZFIN;Acc:ZDB-GENE-040724-76]	3.939781007	1.967745937	1.496684062	3.469201824
ENSRORLG0000001117	cor3	RYR2 component 3 [Source:ZFIN;Acc:ZDB-GENE-05208-37]	4.592445438	1.74767479	1.020977351	3.866323478
ENSRORLG0000007890	snpd5	sphingomyelin phosphodiesterase 5 [Source:NCBI gene;Acc:101160838]	5.021137496	1.919576651	1.256566851	4.358611607
ENSRORLG0000001527	-	PTB domain-containing engulfment adapter protein 1 [Source:NCBI gene;Acc:101169696]	4.767992996	-0.002835289	-1.603549942	3.167763564
ENSRORLG0000001052	-	-	4.836939554	0.10772428	0.472640036	-
ENSRORLG0000001073	fatp7	fatty acid binding protein 7 [Source:NCBI gene;Acc:100144367]	4.73632355	-0.736513441	-0.06058878	5.41279317
ENSRORLG0000007984	-	-	5.691989205	-0.048254718	-0.481079684	5.259654292
ENSRORLG00000003124	si:dkey-121610	si:dkey-121610.7 [Source:ZFIN;Acc:ZDB-GENE-090312-176]	16.27244153	11.36663367	0.007508632	4.913786136
ENSRORLG00000009676	ppt1	palmitoyl-protein thioesterase 7 [Source:NCBI gene;Acc:101168727]	3.848606893	0.142131495	0.180698876	3.88761006
ENSRORLG0000007249	slc7a7	solute carrier family 7 member 7 [Source:NCBI gene;Acc:101169978]	4.821142219	0.662043947	1.328947027	5.489532178
ENSRORLG00000003164	-	very long-chain acyl-CoA synthetase [Source:NCBI gene;Acc:101155585]	3.871253351	1.429712351	0.882143658	3.324167721
ENSRORLG00000018064	ctgfa	connective tissue growth factor alpha [Source:ZFIN;Acc:ZDB-GENE-030131-102]	6.007414093	1.399951987	-0.690786687	3.917160504
ENSRORLG00000017075	-	guaninyl [Source:NCBI gene;Acc:101159096]	6.55523005	0.649071976	-2.158009152	3.748928911
ENSRORLG00000017225	-	bifunctional protein GIMU [Source:NCBI gene;Acc:101163376]	16.53737039	13.22988379	9.00915513	4.028869584
ENSRORLG00000017849	myl12.2	myosin, light chain 12, genome duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-030131-9028]	3.014185625	1.238442833	1.969490518	3.745718212
ENSRORLG00000010490	usp54b	ubiquitin specific peptidase 54b [Source:ZFIN;Acc:ZDB-GENE-090828-3]	4.728614751	1.496850811	0.390115892	3.620711882
ENSRORLG00000005664	col11a1a	collagen, type XI, alpha 1a [Source:ZFIN;Acc:ZDB-GENE-070208-167]	4.038650747	0.31441222	0.598643252	3.133251685
ENSRORLG00000003989	ITGB8	integrin subunit beta 8 [Source:HGNC Symbol;Acc:HGNC:6163]	6.45124683	1.991168809	0.163528815	4.62409138
ENSRORLG00000015582	mep1a.2	meprin A, alpha (PABA peptide hydrolase), tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-041001-208]	4.677476231	-0.839820227	-1.642529913	3.875252596
ENSRORLG0000001338	nesp3	nucleosome-specific protein 3 [Source:ZFIN;Acc:ZDB-GENE-050845328]	3.802545072	0.058045378	0.075667327	3.106551438
ENSRORLG00000008806	sk1	salt-inducible kinase 1 [Source:ZFIN;Acc:ZDB-GENE-030131-9446]	6.841748531	1.139088931	-1.24051349	4.458092054
ENSRORLG00000000216	rasd4	GTP-binding protein Rhes [Source:NCBI gene;Acc:101163276]	5.519557614	-0.772556682	0.305874084	4.598501159
ENSRORLG00000000414	slc12a3	solute carrier family 12 (sodium/chloride transporter) member 3 [Source:ZFIN;Acc:ZDB-GENE-030131-9505]	6.23948583	-0.93590482	-3.83059484	3.345371567
ENSRORLG00000017879	scg5	secretogranin V [Source:ZFIN;Acc:ZDB-GENE-040426-1687]	3.847117884	1.114942308	0.458624954	3.191286372
ENSRORLG0000001877	oxgr1	opioid growth factor receptor [Source:ZFIN;Acc:ZDB-GENE-030131-377]	4.442631092	1.631896565	1.867428789	4.678842721
ENSRORLG00000016907	TTCC9C (1 of 4)	tetratricopeptide repeat domain 39C [Source:HGNC Symbol;Acc:HGNC:26535]	4.392818829	1.931468271	0.647468027	3.106953194
ENSRORLG00000011505	CPLX2	complexin 2 [Source:NCBI gene;Acc:101172505]	16.85093715	11.81900949	-0.571331659	4.461063619
ENSRORLG00000013351	angpt2b	angiogenin-like 2b [Source:ZFIN;Acc:ZDB-GENE-050624-11]	4.962646462	0.961101538	0.613494873	4.615614747
ENSRORLG00000018238	-	-	3.470870715	-0.884296236	-0.957179053	3.98847298
ENSRORLG00000009846	-	-	6.135793781	2.89132568	0.95947051	4.0023718
ENSRORLG00000003679	-	-	4.025913947	1.102163487	2.15611069	5.080245399
ENSRORLG00000011982	-	T-box only protein 2 [Source:NCBI gene;Acc:101172071]	4.914621663	2.048488017	0.75348514	3.64198788
ENSRORLG00000007834	gashb	glycine cleavage system H protein, mitochondrial [Source:NCBI gene;Acc:101156637]	4.814052954	1.899960264	0.386425851	3.305004417
ENSRORLG00000002909	prh2b	granin/hedge-like transcription factor 2b [Source:ZFIN;Acc:ZDB-GENE-060503-719]	4.929950541	0.025025599	-0.840976883	4.06434596
ENSRORLG00000005994	chylestestin1	chylestestin 1 [Source:NCBI gene;Acc:101165324]	5.320813665	-0.470598629	2.612252629	4.404146663
ENSRORLG00000004344	KIF5B (1 of 4)	kinesin family member 5B [Source:NCBI gene;Acc:101173989]	3.216432176	0.560460594	0.866554787	3.522111539
ENSRORLG00000008342	cahz	cardiac anhydrase [Source:ZFIN;Acc:ZDB-GENE-980526-39]	5.77667168	0.303701295	0.470334041	5.943789481
ENSRORLG00000011483	slc25a48	solute carrier family 25, member 48 [Source:ZFIN;Acc:ZDB-GENE-040718-60]	5.685994281	-1.684674119	-2.762477874	4.60867481
ENSRORLG00000001467	crabp1a	cellular retinoic acid binding protein 1a [Source:ZFIN;Acc:ZDB-GENE-020320-3]	5.862821026	1.641403541	0.965959168	5.187851701
ENSRORLG00000011217	meif1	meis1 [Source:ZFIN;Acc:ZDB-GENE-050309-40]	6.693760305	-1.47597292	-6.793689737	4.076549946
ENSRORLG00000015960	vsn11a	vesin-1-like protein 1 [Source:NCBI gene;Acc:101164199]	3.256156419	-1.814276657	0.748063848	5.81898533
ENSRORLG00000013859	-	N-acyl phosphatidylethanolamine phospholipase D [Source:NCBI gene;Acc:101162968]	6.170540679	1.951848385	1.143880703	5.363064595
ENSRORLG00000012988	ppp6	purine nucleoside phosphorylase 6 [Source:ZFIN;Acc:ZDB-GENE-040426-1800]	5.893273942	-2.23520329	-3.118210652	5.011069251
ENSRORLG00000011026	COLEC12	collectin subfamily member 12 [Source:HGNC Symbol;Acc:HGNC:16016]	5.145254986	0.172775976	-0.111073487	4.861891268
ENSRORLG00000041394	zcp-92275	zcp-92275 [Source:ZFIN;Acc:ZDB-GENE-040718-356]	4.140913154	-1.968802591	2.280719622	4.809189995
ENSRORLG00000007662	KIAA0895	KIAA0895 [Source:HGNC Symbol;Acc:HGNC:22208]	5.102737269	2.436565107	2.423284934	5.10851871
ENSRORLG00000004766	mical2a	microtubule associated monooxygenase, calcipoin and LIM domain containing 2a [Source:ZFIN;Acc:ZDB-GENE-110110-21]	3.98539871	2.070508268	1.50499769	3.418722505
ENSRORLG00000011107	wnt7ba	Wnt-7b [Source:NCBI gene;Acc:101170723]	6.318805159	4.094127506	0.985895481	3.209051378
ENSRORLG00000006247	EIF5A	eukaryotic translation initiation factor 5A [Source:HGNC Symbol;Acc:HGNC:3300]	4.112358586	2.169620949	2.195184043	4.138589394
ENSRORLG00000008709	ctnbn	catenin [Source:NCBI gene;Acc:101159012]	5.018164794	1.912353254	0.828767953	3.933061071
ENSRORLG00000015271	-	-	18.05564895	10.66970204	-0.85172552	6.301238471
ENSRORLG00000015666	elmo2	engulfment and cell motility 2 [Source:ZFIN;Acc:ZDB-GENE-140106-84]	3.776140446	2.290384911	2.746188118	4.23240196
ENSRORLG00000007005	-	-	5.048994392	11.31066096	-0.891400137	3.042011923
ENSRORLG00000003091	-	-	4.321099323	-0.636207489	-0.772926052	4.184866612
ENSRORLG00000006852	zbtb22b	zinc finger and BTB domain containing 22b [Source:ZFIN;Acc:ZDB-GENE-010110-4]	5.972249607	2.958873112	1.196705745	4.213707943
ENSRORLG00000014220	KCNJ15	potassium voltage-gated channel subfamily J member 15 [Source:HGNC Symbol;Acc:HGNC:6281]	5.878936368	-2.586677298	-3.248677769	5.22018351
ENSRORLG00000006665	fosb	FBJ murine osteosarcoma viral oncogene homolog B [Source:ZFIN;Acc:ZDB-GENE-041114-181]	6.625596931	1.093952569	-0.597685639	4.934442431
ENSRORLG00000002758	gpr371a	G protein-coupled receptor 37 like 1a [Source:ZFIN;Acc:ZDB-GENE-110411-20]	3.924694414	0.8088825	0.3402056	3.420532991
ENSRORLG00000014114	rabgef1	RAB guanine nucleotide exchange factor (GEF) 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1486]	3.574857207	0.772409632	0.806545935	3.686396476

ENSRORLG00000003695	-	uncharacterized LOC101159113 [Source:NCBI gene;Acc:101159113]	-	-	-	-10.06357487	-0.572513593	-1.49373586	-10.98433375
ENSRORLG00000004579	-	-	-	-	-	-8.736815446	-0.440464914	-1.783202038	-10.0796781
ENSRORLG00000010476	-	-	-	-	-	-10.21731668	-0.436620299	-0.696660179	-10.476811
ENSRORLG00000003145	ctss	Oryzias latipes cathepsin S (ctss), mRNA [Source:RefSeq mRNA;Acc:NM_0104687]	-	-	-	-10.01124136	-0.384580303	-1.127056126	-10.75323324
ENSRORLG00000012216	-	-	-	-	-	-10.0139003	-0.06958535	-0.642723246	-10.59025468
ENSRORLG00000000429	-	-	-	-	-	-9.742704272	2.264533771	2.739538125	-9.271504184
ENSRORLG00000000578	-	-	-	-	-	-6.126715944	0.219692534	-12.66890215	-19.65550488
ENSRORLG00000010694	-	-	-	-	-	-5.784744004	-0.108259803	-2.108259803	-4.776854152
ENSRORLG00000012029	-	-	-	-	-	-9.207263498	-0.918827617	0.609178577	-7.678727329
ENSRORLG00000015622	flvcr2a	feline leukemia virus subgroup C cellular receptor family, member 2a [Source:ZFIN;Acc:ZDB-GENE-111020-14]	-	-	-	-8.205072842	-0.127090099	0.915361434	-7.162135828
ENSRORLG00000004859	mnr41b	retinoid A receptor-like 1b [Source:ZFIN;Acc:ZDB-GENE-040310-3]	-	-	-	-5.757653948	-1.323931214	-1.921582948	-6.354829094
ENSRORLG00000017802	-	-	-	-	-	-8.414775246	0.184762519	-0.375611193	-9.974659865
ENSRORLG00000001480	-	-	-	-	-	-4.526987904	-0.58345807	-0.458682439	-4.401727126
ENSRORLG00000017882	-	-	-	-	-	-9.653975064	-0.099059728	-0.607706008	-10.16150597
ENSRORLG0000001728	konk6	potassium channel, subfamily K, member 6 [Source:ZFIN;Acc:ZDB-GENE-050309-213]	-	-	-	-3.901897819	-0.306692945	-1.647174241	-4.72725524
ENSRORLG00000002694	-	-	-	-	-	-8.453807328	-0.731862544	-8.155213582	-
ENSRORLG00000007062	-	-	-	-	-	-5.339411722	0.743581053	1.543505008	-4.539002253
ENSRORLG00000016420	elov1a	elongation of very long chain fatty acids protein 1 [Source:NCBI gene;Acc:101157810]	-	-	-	-4.355785979	0.266213274	-2.481065226	-7.100988473
ENSRORLG00000013287	-	-	-	-	-	-10.6434551	-0.999915029	-0.724821022	-10.36788486
ENSRORLG00000002880	-	-	-	-	-	-9.199172583	-1.571454538	-1.248463208	-6.382612567
ENSRORLG00000012018	nanos3	nanos homotog 3 [Source:ZFIN;Acc:ZDB-GENE-011221-1]	-	-	-	-3.1939068	0.019646676	-1.432393084	-4.645461266
ENSRORLG00000014382	cax1	cation/H ⁺ exchanger protein 1 [Source:ZFIN;Acc:ZDB-GENE-030131-3044]	-	-	-	-6.498489327	-0.341456723	1.245325449	-4.911221976
ENSRORLG00000002993	-	-	-	-	-	-10.12675423	-0.584628097	-0.820115521	-8.106175666
ENSRORLG00000006896	flyp21a	cytochrome P450, family 21, subfamily A, polypeptide 2 [Source:ZFIN;Acc:ZDB-GENE-070103-6]	-	-	-	-5.405517682	0.86439065	-11.66509271	-13.94992717
ENSRORLG00000000978	-	-	-	-	-	-3.49334377	-0.113107898	-0.170166758	-4.486718914
ENSRORLG00000014808	-	-	-	-	-	-10.16907382	0.426655006	1.848282239	-8.74695138
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ENSRORG00000001941	si.ch211-133p	keratin, type I cytoskeletal 18 [Source:NCBI gene:Acc:101169203]	5.083710674	-0.820399393	-2.117504157	3.787090871
ENSRORG0000017347	ctsbp	cathepsin B [Source:ZFIN;Acc.ZDB:GENE-070323-1]	7.245990685	-15.34165433	-6.161384958	16.42676941
ENSRORG0000014777	ctsbp	cathepsin B [Source:ZFIN;Acc.ZDB:GENE-070323-1]	5.320272695	2.180165388	0.965025175	4.105626965
ENSRORG0000000822	ctpa	cathepsin A [Source:ZFIN;Acc.ZDB:GENE-040426-2832]	5.418448613	-0.937278821	-1.869921104	4.142763591
ENSRORG00000008371	RAB3A (1 of m)	RAB3A member RAS oncogene family [Source:HGNC Symbol;Acc.HGNC:9777]	4.549163702	1.131588665	0.222379639	3.641857605
ENSRORG00000005050	evx1	even-skipped homolog 1 [Source:NCBI gene:Acc:101163914]	5.941006278	0.193742706	-1.937810306	3.21615381
ENSRORG0000014025	hrh2	thyrotropin releasing hormone receptor 2 [Source:ZFIN;Acc.ZDB:GENE-050419-193]	16.49967603	11.48159764	0.304306433	5.322856333
ENSRORG0000014934	stxbp4	syn tactin binding protein 4 [Source:ZFIN;Acc.ZDB:GENE-110420-5]	3.770016851	-0.037746052	0.220375389	4.028625843
ENSRORG0000010744	S100P	S100 calcium binding protein P [Source:HGNC Symbol;Acc.HGNC:10504]	6.059095975	1.913854099	-0.712197339	3.433492794
ENSRORG00000001347	dhfr7c	protein NATD1 [Source:NCBI gene:Acc:101165146]	5.503397753	2.186628488	1.25806773	3.425322303
ENSRORG0000015795	sidley-246g2	sidley-246g2.3 [Source:ZFIN;Acc.ZDB:GENE-050419-100]	3.148539157	1.106303874	1.362375592	3.40507753
ENSRORG00000004788	oparg1a	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha [Source:ZFIN;Acc.ZDB:GENE-080505-11]	5.857486152	-1.218823043	-3.002275632	4.07451885
ENSRORG00000001057	ryr1b	ryanodine receptor 1b (skeletal) [Source:ZFIN;Acc.ZDB:GENE-070705-417]	3.060628446	0.30381057	0.91184192	3.66914957
ENSRORG00000005076	asef	RAS and EF-hand domain containing [Source:ZFIN;Acc.ZDB:GENE-081105-157]	3.657441249	1.495200476	1.872756182	4.035482392
ENSRORG00000007222	si.ch211-212k	cyclin B1 interacting protein 1 [Source:HGNC Symbol;Acc.HGNC:19437]	4.563558184	0.794161052	1.24473615	5.014619251
ENSRORG000000015157	SLS (1 of m)	slit-like domain containing [Source:HGNC Symbol;Acc.HGNC:43311]	3.768283034	0.989037463	0.606452544	3.386182527
ENSRORG00000002184	inha	inhibin, alpha [Source:ZFIN;Acc.ZDB:GENE-060503-554]	18.66155356	12.94180325	0.466898003	6.187118658
ENSRORG000000012622	fatp6	fatty acid binding protein 6, ileal (gastrotropin) [Source:ZFIN;Acc.ZDB:GENE-040625-491]	3.293933031	-1.620051972	-1.438934161	3.475535673
ENSRORG00000015770	upc1	beta-unsaturated ketone 1 [Source:NCBI gene:Acc:101160078]	5.005558595	0.499344079	-1.34876011	3.157932063
ENSRORG000000015777	spic	Sp1-C transcription factor (Sp1-1/P1U 1 related) [Source:ZFIN;Acc.ZDB:GENE-040912-47]	5.353442983	-0.96107441	-0.923710956	5.391238906
ENSRORG00000005876	ep8b3b	EP8B-like 3b [Source:ZFIN;Acc.ZDB:GENE-040426-2832]	5.300359956	-0.429308078	-2.594746453	3.130489665
ENSRORG00000006407	ep8b3b	EP8B-like 3b [Source:ZFIN;Acc.ZDB:GENE-040426-2832]	1.917404188	3.300353479	0.984935356	6.68912102
ENSRORG000000010661	si.ch73-206p6	si.ch73-206p6.1 [Source:ZFIN;Acc.ZDB:GENE-030131-5048]	3.614404009	1.138922235	2.091865434	4.567963006
ENSRORG00000001617	hent6	Hent3.1 [Source:NCBI gene:Acc:100049437]	3.687564148	-0.358403533	7.438772489	4.466272804
ENSRORG00000002963	hent6	Hent3.1 [Source:NCBI gene:Acc:100049437]	3.577444912	1.096298605	1.563346692	4.045480075
ENSRORG00000005683	hfnna	Fin 120 mutation factor A [Source:ZFIN;Acc.ZDB:GENE-111031-21]	3.824214602	-6.346200877	-1.432229364	7.47700962
ENSRORG00000016500	cah	phenylalanine hydroxylase [Source:ZFIN;Acc.ZDB:GENE-031006-2]	6.256677088	1.709037809	0.027773239	4.575896099
ENSRORG00000006249	PPM1L	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent 1L [Source:HGNC Symbol;Acc.HGNC:18381]	4.912037744	2.224567003	1.910817068	4.589773978
ENSRORG00000003585	cdt3l1p1	proximal tubules-expressed gene protein [Source:NCBI gene:Acc:101163403]	4.860851627	-0.232960495	-4.329935637	5.92256377
ENSRORG00000017877	ag2a	protein jagged 2 [Source:NCBI gene:Acc:101163046]	6.000840028	2.030739992	0.872930319	3.146589802
ENSRORG000000010913	zfp161b	zinc finger protein 618 [Source:ZFIN;Acc.ZDB:GENE-030131-2053]	3.666618127	0.089089998	1.228099012	4.809101955
ENSRORG00000006000	zfp161b	zinc finger protein 618 [Source:ZFIN;Acc.ZDB:GENE-030131-2053]	3.813803498	0.824156975	3.40214131	3.330345614
ENSRORG00000000769	-	-	3.630994008	0.509173762	0.188627293	3.310928605
ENSRORG00000017589	ostp6	oxysterol binding protein-like B [Source:ZFIN;Acc.ZDB:GENE-070912-206]	3.922207679	1.251049006	0.492634666	3.164278612
ENSRORG000000012951	ptdcl3a	protein tyrosine phosphatase domain containing 1A [Source:ZFIN;Acc.ZDB:GENE-070112-632]	3.536629221	0.747052865	0.986177851	3.776238987
ENSRORG00000004742	aldob	fructose-bisphosphate aldolase B [Source:NCBI gene:Acc:10049273]	5.795577142	0.814688112	-1.830087514	3.151286366
ENSRORG00000007130	cvp11a2	cytochrome P450, family 11, subfamily A, polypeptide 2 [Source:ZFIN;Acc.ZDB:GENE-130911-11]	4.957579322	3.127808106	1.44421076	3.271676363
ENSRORG00000001967	-	-	8.206844358	2.446241125	-1.744828714	2.48625337
ENSRORG000000013056	pappa2	pappalysin 2 [Source:ZFIN;Acc.ZDB:GENE-070912-525]	6.038522294	2.676060258	1.358407003	4.721347502
ENSRORG00000009092	cdh11	cadherin-11 dependent kinase-like 1 (CDC2-related kinase) [Source:ZFIN;Acc.ZDB:GENE-040808-34]	5.384012014	1.890678298	0.277815756	3.173164703
ENSRORG00000016621	-	-	4.014070601	-0.293139994	2.416782764	6.724489891
ENSRORG000000050409	rad	Ras-related associated with diabetes [Source:ZFIN;Acc.ZDB:GENE-030131-5607]	4.047415884	0.096705909	-0.809774426	3.141416695
ENSRORG00000004882	ftjpa	recombination signal binding protein for immunoglobulin kappa J region A [Source:ZFIN;Acc.ZDB:GENE-031117-11]	3.558026951	0.841710685	0.535034911	3.25183515
ENSRORG00000009144	msh5	msh5 homolog 5 [Source:ZFIN;Acc.ZDB:GENE-131127-630]	5.854546426	3.988885505	2.669808941	4.535522696
ENSRORG000000014711	-	-	16.728846511	13.30642203	1.211488521	4.632380358
ENSRORG00000004153	DMRTA1	DMRT like family A1 [Source:HGNC Symbol;Acc.HGNC:19878]	4.83367102	-0.034872655	0.530768072	5.39979695
ENSRORG00000003999	hxb8	lim homeobox 8b [Source:ZFIN;Acc.ZDB:GENE-081105-1531]	5.775389857	0.911265876	-0.30180799	4.565252034
ENSRORG00000001833	hnmppd	heterogeneous nuclear ribonucleoprotein D [Source:ZFIN;Acc.ZDB:GENE-070424-97]	3.21052992	0.973434447	1.55166695	3.681276801
ENSRORG000000017606	-	-	3.694149602	-0.705486172	-0.852644712	3.547475724
ENSRORG00000007030	sfn1b	slingshot protein phosphatase 1b [Source:ZFIN;Acc.ZDB:GENE-030131-5909]	5.288496972	0.068318362	-2.008512617	3.212144812
ENSRORG00000009208	gad1b	glutamate decarboxylase 1 [Source:NCBI gene:Acc:101168897]	4.76843066	0.874038094	0.874038094	3.76909111
ENSRORG00000002960	arfc	ADP-ribosylation factor-like 5C [Source:ZFIN;Acc.ZDB:GENE-040426-1868]	4.922840009	0.981730718	1.257825186	5.19941949
ENSRORG00000002960	arfc	ADP-ribosylation factor-like 5C [Source:ZFIN;Acc.ZDB:GENE-040426-1868]	4.420334066	2.574724366	1.79027596	3.636386464
ENSRORG000000122936	prp15b	proline rich 15-like b [Source:ZFIN;Acc.ZDB:GENE-050417-201]	3.568146582	0.167051437	-0.030009609	3.31570373
ENSRORG00000012972	pkfb2a	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2a [Source:ZFIN;Acc.ZDB:GENE-040426-3661]	3.805444613	1.233000116	1.360963815	3.937892501
ENSRORG00000006042	pygma	glycogen phosphorylase, muscle form [Source:NCBI gene:Acc:101169133]	7.115227007	3.079098298	-0.117102197	3.864893294
ENSRORG000000003000	si.ch211-239a	ectopic viral integration site 5 [Source:HGNC Symbol;Acc.HGNC:30464]	3.659401963	1.274359137	2.621664704	5.007189931
ENSRORG000000030316	-	-	7.367927126	3.798848539	0.107544714	3.67132432
ENSRORG00000008889	cdh17	cadherin 17, U cadherin (liver-intestine) [Source:ZFIN;Acc.ZDB:GENE-030910-3]	4.29726792	-0.500214587	-1.11286718	3.685099981
ENSRORG00000016364	CDKL5 (1 of m)	cyclin dependent kinase like 5 [Source:HGNC Symbol;Acc.HGNC:11411]	3.26207672	-0.706800807	1.156148901	5.122678296
ENSRORG00000014773	si.ch211-225s	si.ch211-225s.2 [Source:ZFIN;Acc.ZDB:GENE-091204-283]	3.376575066	0.736908196	1.805299424	4.4446373
ENSRORG00000000897	nfa2a	neurofibromin 2 (merin) [Source:ZFIN;Acc.ZDB:GENE-080722-7]	3.706971513	1.392895145	1.499496044	3.814057232

ENSRORG0000012488	-	uncharacterized LOC101156019 [Source:NCBI gene:Acc:101156019]	-	-	-3.421001291	1.193838602	2.991919152	-1.622435767
ENSRORG0000016956	dnajc17	DnaJ heat shock protein family (Hsp40) member C17 [Source:NCBI gene:Acc:101171293]	-	-	-3.877991568	-0.331539898	3.714203628	0.188276788
ENSRORG0000007002	-	-	-	-	17.53162735	1.9129487	18.51743395	0.935696888
ENSRORG00000002314	-	-	-	-	-5.462419399	0.779206	5.494053695	-0.746611732
ENSRORG00000005354	palpnl1	poly(A) binding protein, nuclear 1-like (cytoplasmic) [Source:ZFIN;Acc.ZDB:GENE-080709-5]	-	-	-3.781245937	-1.560367859	2.806663255	0.586300988
ENSRORG00000007402	irm6	LSM6 homolog, U6 small nuclear RNA and mRNA degradation associated [Source:NCBI gene:Acc:101156271]	-	-	-5.440375745	-0.669178975	4.255132761	-0.515588247
ENSRORG00000014961	-	-	-	-	-0.62584674	2.613784867	2.232961011	-0.909531468
ENSRORG00000009910	cox7c	Cytochrome c oxidase, subunit VIIc [Source:ZFIN;Acc.ZDB:GENE-030313-8062]	-	-	-4.497950031	-2.301790813	-0.443368673	-2.639043189
ENSRORG00000000769	tdmd17	thioredoxin domain containing 17 [Source:NCBI gene:Acc:101163188]	-	-	-3.088687754	1.678752451	5.344233678	0.579278972
ENSRORG00000006329	-	-	-	-	-4.266105383	2.225371642	5.379858717	-1.1113327
ENSRORG000000010961	cdc16	cell division cycle 16 homolog (5 cerevisiae) [Source:ZFIN;Acc.ZDB:GENE-051113-132]	-	-	-0.57325438	-0.196827669	4.283578745	-0.967907708
ENSRORG00000007693	-	-	-	-	-3.03337667	0.246764117	2.867486157	-0.412169229
ENSRORG00000013983	tnem18	transmembrane protein 18 [Source:NCBI gene:Acc:101158989]	-	-	-4.419316808	1.194346852	1.564487672	-1.048607640
ENSRORG00000002783	polr2k	RNA polymerase I subunit K [Source:NCBI gene:Acc:101167378]	-	-	-6.641961003	1.931506864	6.088748836	-0.48394168
ENSRORG00000016404	-	-	-	-	-3.533667694	1.049863634	5.077458094	0.844410868
ENSRORG00000007998	ktl2	KL12 chromatin associated homolog [Source:ZFIN;Acc.ZDB:GENE-060825-174]	-	-	-4.674209497	1.132987898	4.571091893	-1.230810349
ENSRORG00000007176	rad18	RAD18 E3 ubiquitin protein ligase [Source:ZFIN;Acc.ZDB:GENE-040426-745]	-	-	-3.603209153	-0.0947212	4.293021597	0.7850188
ENSRORG00000007818	tnem192	transmembrane protein 192 [Source:ZFIN;Acc.ZDB:GENE-040426-2254]	-	-	-3.541113791	0.428973258	3.307314489	-0.662287493
ENSRORG00000012689	mtorf3	mitochondrial transcription termination factor 3 [Source:ZFIN;Acc.ZDB:GENE-040719-359]	-	-	-3.799622876	1.168929142	3.999993225	-0.9607345
ENSRORG00000010947	-	-	-	-	-4.40797009	-0.071653883	6.085178245	1.499929731
ENSRORG00000017050	srp14	signal recognition particle 14 [Source:NCBI gene:Acc:101172943]	-	-	-3.328029892	1.238000393	2.458586633	-2.106958004
ENSRORG000000066153	si.ch211-1	chromosome 9 C12orf65 homolog [Source:NCBI gene:Acc:101159678]	-	-	-4.077542189	1.084750346	4.87480367	0.28706408
ENSRORG00000011747	-	-	-	-	-5.43961892	-0.432826254	5.045723641	0.038916889
ENSRORG00000001759	-	-	-	-	-4.29847035	0.319353172	2.629254738	1.943442679
ENSRORG0000000847	-	-	-	-	-3.336381329	-1.30321577	0.034232416	-1.998448489
ENSRORG00000006566	atp13a1	ATPase 13A1 [Source:ZFIN;Acc.ZDB:GENE-040426-2804]	-	-	-3.4875757	1.022487766	-1.35093453	-
ENSRORG00000007003	surf2	surfactant 2 [Source:NCBI gene:Acc:101158543]	-	-	-4.196015135	1.611247248	3.671160086	-2.135617592

	ENSRORG0000000862	-	-	3.487234383	-0.446998253	-0.638568148	3.296149535	
	ENSRORG00000003401	zhaha15	basic helix-loop-helix family, member a15 [Source:ZFIN;Acc:ZDB-GENE-070803-3]	5.164595861	0.851488496	0.243852547	4.557444215	
	ENSRORG00000017135	LOX	lysyl oxidase [Source:HGNC Symbol;Acc:HGNC:6664]	7.894489265	3.038647677	-1.052100688	3.804232929	
	ENSRORG00000009230	apl3a3	adaptor-related protein complex 1, sigma 3 subunit, a [Source:ZFIN;Acc:ZDB-GENE-050417-222]	4.829129191	-11.84670877	-0.914053683	15.76594389	
	ENSRORG00000003859	slc4a7	lysine-aminotransferase 4, cytosolic isoform cotransporter, member 7 [Source:ZFIN;Acc:ZDB-GENE-040407-1]	8.14537328	0.521988302	0.862140799	4.154274036	
	ENSRORG00000009145	atbcg2b	ATP-binding cassette, sub-family G (WHITE), member 2b [Source:ZFIN;Acc:ZDB-GENE-050517-36]	4.339088395	-1.206829308	-1.857534924	3.690667332	
	ENSRORG00000011364	kctd12.1	potassium channel tetramerization domain containing 12 [Source:NCBI gene;Acc:101161445]	6.314832092	2.420725061	2.032067283	5.926651631	
	ENSRORG00000002188	mbnl2	keratin, type I cytoskeletal 13 [Source:NCBI gene;Acc:101159648]	4.772018178	0.099134457	-1.312798635	3.66570001	
	ENSRORG00000021780	ND6	NAADH dehydrogenase subunit 6 [Source:NCBI gene;Acc:875436]	4.058187911	0.252550894	-0.709006903	3.097084894	
	ENSRORG00000005419	mbnl2	muscleblind-like splicing regulator 2 [Source:ZFIN;Acc:ZDB-GENE-030313-9582]	4.845858249	1.302772434	0.413792925	3.957362823	
	ENSRORG00000001544	-	-	4.262076501	1.148768118	0.573263411	3.687056346	
	ENSRORG00000010480	syn11c1	cytochrome P450, family 11, subfamily C, polypeptide 1 [Source:ZFIN;Acc:ZDB-GENE-070828-1]	19.6281402	10.50162823	-0.897668316	8.229315388	
	ENSRORG00000001966	-	-	15.73800805	11.97938398	0.221908813	3.980544227	
	ENSRORG00000001355	-	-	4.713809708	1.815474585	0.93332189	3.832151777	
	ENSRORG00000005667	-	-	5.455333591	2.542395447	0.835456998	3.748990301	
	ENSRORG000000014951	-	-	3.858984769	0.439661216	2.319510658	5.640228831	
	ENSRORG00000005623	czcd1.1	CUB and zona pellucida-like domains 1, tandem duplicate 1 [Source:ZFIN;Acc:ZDB-GENE-131122-16]	4.097871618	-13.22300918	-1.631488534	15.68992046	
	ENSRORG00000001933	tex11	testis expressed 11 [Source:ZFIN;Acc:ZDB-GENE-140415-11]	5.187885818	1.612997714	2.689077048	6.26444928	
	ENSRORG00000001276	foxj1	Oryzias latipes forkhead box j1 [foxj1] mRNA [Source:RefSeq;Acc:NM_001160461]	16.5506222	11.65322576	2.075103676	6.972969259	
	ENSRORG00000007473	slc2a1b	solute carrier family 2 (facilitated glucose transporter), member 1b [Source:ZFIN;Acc:ZDB-GENE-090915-11]	4.699783725	1.011046403	0.011113444	3.520336524	
	ENSRORG00000002518	ctf1	cathenin 1 [Source:NCBI gene;Acc:101171789]	7.806815748	-4.875599867	-6.800213975	5.882629206	
	ENSRORG00000009509	sema3e	sema domain, immunoglobulin domain (Ig), short basic domain, secreted (semaphorin 3E) [Source:ZFIN;Acc:ZDB-GENE-030313-7864]	5.835118334	2.613054531	0.669905018	3.892451114	
	ENSRORG000000015025	-	-	3.485634941	-0.243537694	-0.363523073	3.36594544	
	ENSRORG00000007539	pad2 (1 of 2)	peptidyl arginine deiminase, type II [Source:ZFIN;Acc:ZDB-GENE-031116-67]	3.081228956	-0.941421157	-0.028534727	3.994597902	
	ENSRORG00000001216	uhdk8a	ketch domain containing 8A [Source:ZFIN;Acc:ZDB-GENE-120810-3]	5.292763849	1.812343408	0.678789488	4.158782756	
	ENSRORG000000010844	lam83b	family with sequence similarity 83, member Bb [Source:ZFIN;Acc:ZDB-GENE-041114-194]	5.027233355	-0.140783556	-0.343590118	4.824911477	
	ENSRORG000000012534	lmtosp2b	leucostemone multiple tissue open 2b [Source:ZFIN;Acc:ZDB-GENE-110411-43]	7.015855967	1.631236111	-0.492288901	4.892819163	
	ENSRORG00000003219	-	-	4.793938434	1.866896868	2.772614774	5.700174925	
	ENSRORG000000017688	rpl11	low density lipoprotein receptor-related protein 11 [Source:ZFIN;Acc:ZDB-GENE-030313-7847]	3.397187434	0.151349411	1.055467034	4.354870364	
	ENSRORG00000009344	phyh	phytanoyl-CoA 2-hydroxylase [Source:ZFIN;Acc:ZDB-GENE-050417-361]	4.654069585	1.199669879	-0.211640732	3.24244013	
	ENSRORG00000003194	skp2a	SKP2, serine/threonine kinase 2 [Source:NCBI gene;Acc:101162289]	3.878808172	-0.206395088	-1.088087353	3.004802083	
	ENSRORG000000009494	homedox	homeobox protein MSX-2 [Source:NCBI gene;Acc:10089217]	6.404834445	1.598127372	-1.697946293	3.109244883	
	ENSRORG000000050591	dwdc1a	DX domain containing 1a [Source:ZFIN;Acc:ZDB-GENE-030921-2]	4.545628933	2.00085875	0.93255712	3.477813413	
	ENSRORG000000013216	tnk2a	tyrosine kinase, non-receptor, 2a [Source:ZFIN;Acc:ZDB-GENE-091118-85]	3.684709369	0.051452161	2.090104255	5.123846228	
	ENSRORG000000005853	rth8a	retinol dehydrogenase 8 [Source:NCBI gene;Acc:101157066]	5.366647554	0.073276841	3.762479309	3.628479309	
	ENSRORG000000014356	si.ch211-1602	E2F transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:3114]	4.547606297	0.559448472	1.219550186	5.208187682	
	ENSRORG000000091928	slc9a3.2	solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3, tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-070112-2112]	4.934440409	-1.259139378	-2.99697533	3.197090733	
	ENSRORG00000006346	ttf7	tubulin tyrosine ligase-like family, member 7 [Source:ZFIN;Acc:ZDB-GENE-070112-2112]	5.729193371	0.973814362	0.906632731	5.662490206	
	ENSRORG000000014098	-	-	3.559643463	1.500809604	1.756912751	3.818231728	
	ENSRORG00000007198	kyd6	FXYD domain-containing ion transport regulator 6 [Source:NCBI gene;Acc:101162288]	5.290034332	-0.41630157	1.727119756	4.74394054	
	ENSRORG000000017040	cerse6	ceramide synthase 6 [Source:NCBI gene;Acc:101156449]	4.385291128	1.780343995	1.74258883	4.848089007	
	ENSRORG00000007145	sg15	ISG15 ubiquitin-like modifier [Source:ZFIN;Acc:ZDB-GENE-021211-1]	6.753144701	0.474437172	-2.94344093	3.335751679	
	ENSRORG000000018061	ankrd10b	ankyrin repeat domain 10b [Source:ZFIN;Acc:ZDB-GENE-061013-49]	4.039189829	1.62161377	0.621137824	3.039198755	
	ENSRORG00000003469	-	-	5.44184044	1.488216969	0.116675105	4.070785927	
	ENSRORG00000004499	rab38b	ras-related protein Rab-38 [Source:NCBI gene;Acc:101171270]	4.80494061	3.17703345	1.426739663	3.055132024	
	ENSRORG00000002198	rhl2.1	coagulation factor 1 (thrombin) receptor-like 1, tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-070615-24]	3.689016458	1.030846237	1.044128614	3.699882141	
HMO VS WIT0 Hmt VS WIT1	51	ENSRORG00000005352	entpd3	ectonucleoside triphosphate diphosphohydrolase 3 [Source:ZFIN;Acc:ZDB-GENE-030313-6186]	-1.242679647	3.379546703	4.474189910	-0.147553406
	ENSRORG00000021831	RF00088	small nuclear RNA, SNORD30 [Source:NCBI gene;Acc:111946387]	-13.07658181	3.877014117	16.73423106	-0.21887556	
	ENSRORG00000003088	-	-	-1.782346886	6.177407831	5.260231237	-2.699035064	
	ENSRORG000000010931	igs13	regulator of G-protein signaling 21 [Source:NCBI gene;Acc:101157397]	-11.87924628	4.383144949	1.718154949	0.919649957	
	ENSRORG000000011894	-	-	-16.02235719	3.206633531	16.28443772	-2.94406294	
	ENSRORG00000000877	-	-	1.296137302	4.020825217	3.611503924	0.887300516	
	ENSRORG000000021349	RF00581	small nuclear SNORD12/SNORD106 [Source:NCBI gene;Acc:111946100]	0	15.85143234	15.68362107	-0.167338814	
	ENSRORG00000006320	CASP1	caspace 1 [Source:HGNC Symbol;Acc:HGNC:1499]	2.462170178	3.063665442	3.509955637	2.908945171	
	ENSRORG00000001173	-	-	1.753433532	6.964474839	6.954008949	1.743537322	
	ENSRORG000000021768	ATP8	ATP synthase F0 subunit 8 [Source:NCBI gene;Acc:805490]	-1.052353917	4.643563323	4.495509189	-1.199920665	
	ENSRORG000000017072	-	-	-14.84577964	4.858686716	17.23187412	-4.269824708	
	ENSRORG000000021773	-	-	-0.977761891	3.104967073	3.980601143	-0.101647504	
	ENSRORG000000014848	codc59	coiled-coil domain containing 59 [Source:NCBI gene;Acc:101167836]	-16.54662863	3.555423959	16.59110578	-3.510544622	
	ENSRORG00000007446	lrcc61	leucine rich repeat containing 61 [Source:ZFIN;Acc:ZDB-GENE-060616-245]	-16.39836761	3.743613292	17.84795663	-2.295359023	
	ENSRORG000000013307	-	-	-0.929430527	3.29038636	4.55024922	0.331369448	
	ENSRORG00000000892	-	-	-2.958372497	3.898290217	5.930064369	-0.926109597	

	ENSRORG000000003251	cop2	COP9 signalosome subunit 2 [Source:ZFIN;Acc:ZDB-GENE-040625-15]	-6.387802188	2.366900522	8.973516339	0.712998614
	ENSRORG00000005638	ckc20	Oryzias latipes cell division cycle 20 [cdc20], mRNA [Source:RefSeq;Acc:NM_001160429]	-5.643613078	0.078390757	4.544630463	-1.17689416
	ENSRORG000000016447	ckc20	Oryzias latipes cell division cycle 20 [cdc20], mRNA [Source:RefSeq;Acc:NM_001160429]	-4.277219337	-0.013546088	3.869433311	-0.393754729
	ENSRORG000000017696	-	-	-4.172102505	0.135239884	4.598951358	0.343323747
	ENSRORG000000013659	-	-	-4.363864584	0.396699651	1.834092795	-2.925838276
	ENSRORG000000014689	-	-	-3.194680959	-0.354929344	1.499824168	-1.339988998
	ENSRORG000000012401	fetub	fetuin-B, like [Source:NCBI gene;Acc:101158597]	-5.190089553	-2.715881636	0.585882228	-1.886582079
	ENSRORG000000014395	-	-	-5.780202634	0.546196644	6.983986418	0.63997958
	ENSRORG000000013917	top11	DNA topoisomerase I like [Source:ZFIN;Acc:ZDB-GENE-06016-217]	-3.110262018	0.634501922	3.004037755	-0.740241172
	ENSRORG000000007720	kyt1	kyt-like poly(ADP-ribose) polymerase 1 [Source:ZFIN;Acc:ZDB-GENE-120504-2]	-3.122871263	-0.60405941	2.852809832	0.334817724
	ENSRORG000000015890	atp6v1e1	V-type proton ATPase subunit E 1 [Source:NCBI gene;Acc:101155846]	-4.556435834	-0.356399597	3.25634304	-0.943208395
	ENSRORG000000012417	-	-	-4.02145638	-0.327597726	1.733619621	-1.959795415
	ENSRORG000000003595	sidkey-6i	polyamine-modulated factor 1 [Source:NCBI gene;Acc:101157951]	-3.369578671	1.655239818	6.67678546	1.652417119
	ENSRORG000000009466	-	-	-15.91312378	2.213178008	15.57018154	-2.615629644
	ENSRORG000000009410	rab5f	RAB5 interacting factor [Source:ZFIN;Acc:ZDB-GENE-030313-5928]	-3.269578671	1.991118447	18.34438417	-1.021667583
	ENSRORG000000006871	myop3	myosin binding protein C, cardiac [Source:ZFIN;Acc:ZDB-GENE-070112-2362]	-4.683171147	-1.043484356	5.08718675	-3.004048017
	ENSRORG00000000928	mrips18a	mitochondrial ribosomal protein S18A [Source:ZFIN;Acc:ZDB-GENE-041210-109]	-4.358165368	1.089967616	5.50236954	0.055620227
	ENSRORG00000009878	-	-	-3.336503804	-0.117975964	2.840308074	-0.377692381
	ENSRORG000000011157	-	-	-3.124218139	-0.211939059	1.986731635	-0.925062726
	ENSRORG000000017105	-	-	-3.87583639	-0.629597257	6.104323067	-2.202530587
	ENSRORG000000018095	-	-	-4.097715184	-0.019964941	2.396134444	-1.681141851
	ENSRORG000000017096	-	-	-3.078541521	-0.979563387	6.150307317	4.051814746
	ENSRORG000000030203	sich73-3b	sich73-3b15.2 [Source:ZFIN;Acc:ZDB-GENE-090313-161]	-3.063329784	-1.196334331	0.097637227	-1.768872546
	ENSRORG000000013085	dgr6	DGeorge syndrome critical region gene 6 [Source:ZFIN;Acc:ZDB-GENE-040912-125]	-6.618017847	2.472887565	8.036283882	-0.852234352
	ENSRORG000000005512	-	-	-15.66588789	0.486610083	16.98379591	0.831987963
	ENSRORG000000015813	-	-	-4.708459167	1.187219685	6.339671587	0.444498611
	ENSRORG000000006615	cnmb2	cyclin B2 [Source:ZFIN;Acc:ZDB-GENE-030429-12]	-5.151086309	-0.158621867	3.192614207	-1.79996112
	ENSRORG000000014480	clnna4	clnna4 [Source:ZFIN;Acc:ZDB-GENE-030313-4663]	-3.379045445	-0.054697324	0.586192867	-2.33967992
	ENSRORG000000014480	clnna4	clnna4 [Source:ZFIN;Acc:ZDB-GENE-030313-4663]	-3.379045445	-0.054697324	0.586192867	-2.33967992
	ENSRORG000000013510	polr2k	polymyrase (PAA) II (DNA directed) polypeptide G-like [Source:ZFIN;Acc:ZDB-GENE-030313-2898]	-4.165346944	1.526296446	6.770132937	1.078973943
	ENSRORG000000004968	hpf1	histone H4K9 acetyltransferase 1 [Source:ZFIN;Acc:ZDB-GENE-030313-740]	-3.023176391	0.456789752	3.925628495	0.446151348
	ENSRORG000000013500	mrp42	mitochondrial ribosomal protein L42 [Source:ZFIN;Acc:ZDB-GENE-101014-1]	-7.249409094	-0.728804617	5.830011071	-0.690100055
	ENSRORG000000011310	-	-	-3.892837305	-0.203881848	2.00314891	-1.685321573
	ENSRORG00000005927	gzm1	glutathione S-transferase Mu 3 [Source:NCBI gene;Acc:101157367]	-3.196017851	2.406141404	4.088312071	-1.513586077
	ENSRORG000000008551	znhit2	zinc finger, HIT-type containing 2 [Source:ZFIN;Acc:ZDB-GENE-061013-461]	-5.921687441	1.1229535		

		ENSRORG0000015481	-	-	-0.806342283	3.547071895	4.795629699	0.442699995
		ENSRORG0000021776	-	-	-2.154949255	4.260665844	6.619866314	0.204739397
		ENSRORG0000009905	-	-	-1.388232689	4.403817035	4.892224497	-0.899340079
		ENSRORG0000016233	calcyp	calcyclin binding protein [Source:ZFIN;Acc:ZDB-GENE-040426-2579]	-5.235665682	3.021109765	5.29597897	-2.960312682
		ENSRORG00000030152	-	-	-12.21090569	3.611493887	17.13034317	1.308622375
		ENSRORG0000003994	-	-	1.444821952	3.055818773	3.449923764	1.843348634
		ENSRORG00000015699	-	-	-1.061322839	4.188981955	3.07223312	-2.177587006
		ENSRORG00000011148	-	-	0.628339602	3.555682248	4.79200102	1.865144269
		ENSRORG00000009944	-	-	-0.606954623	4.026796607	5.359997393	0.726723387
		ENSRORG00000003863	-	-	-4.073374847	4.018943078	8.796888995	0.704067542
		ENSRORG00000021048	-	-	0	18.12980169	15.913046	-2.216283219
		ENSRORG00000009313	GTF3C6	general transcription factor IIC subunit 6 [Source:HGNC Symbol;Acc:HGNC:20872]	-14.67936134	4.152949785	17.82787303	-1.003948122
		ENSRORG00000021751	-	-	1.785479871	3.750792787	5.887853962	2.847186967
		ENSRORG00000003933	-	-	1.204092243	3.373452314	3.788256862	1.619392108
		ENSRORG00000017057	spc25	potassium voltage-gated channel interacting protein 1 [Source:NCBI gene:Acc:101160987]	-4.60626571	3.838688423	8.95398504	0.50893376
		ENSRORG00000006512	-	-	-3.089447523	3.581472081	6.94478606	0.274346095
		ENSRORG00000000001	-	-	-2.271823582	4.156445042	6.625664582	0.199622849
		ENSRORG00000009806	-	-	-13.36384597	4.31958364	16.72555132	-0.953880177
		ENSRORG00000015296	-	-	13.3328212	15.72530261	4.486098424	2.094083823
		ENSRORG00000007415	kfbp14	FKBP5 binding protein 14 [Source:NCBI gene:Acc:101156431]	0.259829669	3.220825748	3.63733354	0.676821572
		ENSRORG00000002132	suft6b1	sulfotransferase family, cytosolic, 6b, member 1 [Source:ZFIN;Acc:ZDB-GENE-050417-228]	1.521595074	3.865857132	3.245770728	9.01995652
		ENSRORG00000006798	orla-uba	major histocompatibility complex class I-related gene protein-like [Source:NCBI gene:Acc:101168971]	-1.564177067	3.321869988	6.392736988	1.610348441
		ENSRORG00000001390	unm_hu7912	un-named hu7912 [Source:ZFIN;Acc:ZDB-GENE-120727-20]	-3.419694192	3.014230318	6.202383788	-0.231051001
		ENSRORG00000008147	ccdc115	coiled-coil domain containing 115 [Source:ZFIN;Acc:ZDB-GENE-050227-20]	0.76202122	3.714469241	19.04628249	-0.889717879
		ENSRORG00000001196	-	-	0.874206987	5.386073913	4.547420882	0.036043151
		ENSRORG00000015074	srn1	sulfiredoxin 1 homolog (S. cerevisiae) [Source:NCBI gene:Acc:101168971]	-15.40635185	3.23979197	16.51479186	-2.130862051
		ENSRORG000000021477	RF00604	small nucleolar RNA SNORD88 [Source:NCBI gene:Acc:11947849]	-11.78991261	4.060214326	18.09306758	2.243429445
		ENSRORG00000000970	-	-	-0.734138443	4.141615702	5.487999347	0.61273753
		ENSRORG00000003349	spc82	sperm flagellar 2 [Source:ZFIN;Acc:ZDB-GENE-060526-47]	1.901034479	4.188958099	3.93597866	1.64853963
		ENSRORG00000000884	-	-	-4.432402165	5.468364311	8.54434311	-1.355947069
		ENSRORG0000001626	cd79b	CD79b molecule [Source:NCBI gene:Acc:101171204]	0.664873775	4.495232024	3.05430456	-0.775568623
		ENSRORG00000006772	orla-uaa	major histocompatibility complex class I-related gene protein-like [Source:NCBI gene:Acc:101167181]	-1.918299205	3.269770386	7.019903831	2.232319062
		ENSRORG00000011711	-	-	1.192752806	3.411875709	3.89765572	1.679018328
		ENSRORG00000006453	-	-	0.028539518	4.174879476	4.109223362	-0.036632148
		ENSRORG00000021299	RF00211	small nucleolar RNA SNORD35 [Source:NCBI gene:Acc:11947849]	-11.31474184	4.630899991	16.10720911	0.20668996
	Hmt VS Hmo	392	ENSRORG00000012419	-	-0.512654554	1.747292241	6.18996396	3.910145991
	Hmt VS WTT		ENSRORG00000021702	RF00009	0.909046702	2.051825462	6.073917982	4.831824244
		ENSRORG00000015179	-	-	4.22662672	-0.04827848	7.93419557	12.20956663
		ENSRORG00000004816	pcr25	G protein-coupled receptor 25 [Source:ZFIN;Acc:ZDB-GENE-141216-12]	13.80739331	9.427291899	3.873241558	7.72679897
		ENSRORG00000009290	adama8a	ADAM metallopeptidase domain 8a [Source:ZFIN;Acc:ZDB-GENE-030616-622]	2.07832775	1.422564727	3.972729449	4.628976954
		ENSRORG00000010366	-	-	0.527604863	1.93054682	5.032492788	3.630033558
		ENSRORG00000004877	-	-	3.628686887	2.752265144	3.378099766	4.254836618
		ENSRORG00000013010	-	-	14.24920606	0	5.282249312	15.53194684
		ENSRORG00000011998	-	-	0	13.4854545	17.5689976	0.084006253
		ENSRORG00000008933	gpat4	glycerol-3-phosphate acyltransferase 4 [Source:ZFIN;Acc:ZDB-GENE-060421-5102]	9.148146059	11.83590829	6.789182009	4.10182855
		ENSRORG00000013996	-	-	-0.557052574	2.436576954	7.01656982	0.023412354
		ENSRORG00000021715	-	-	6.37172808	5.016762925	3.5679351	4.933768307
		ENSRORG000000018224	-	-	-11.57894343	0.709664706	17.08147137	4.373558874
		ENSRORG00000016495	agb12	ATP/GTP binding protein-like 2 [Source:ZFIN;Acc:ZDB-GENE-070719-6]	2.893506677	-0.474237298	3.111021432	6.479324136
		ENSRORG00000006011	sx2tpb	synovial sarcoma X breakpoint 2 interacting protein b [Source:ZFIN;Acc:ZDB-GENE-050208-601]	12.32661206	12.58738374	5.177099051	4.916792792
		ENSRORG00000009619	slc2a11l	solute carrier family 2 (facilitated glucose transporter), member 11-like [Source:ZFIN;Acc:ZDB-GENE-061215-118]	12.53699751	9.988485877	4.039518703	6.58849374
		ENSRORG00000018005	-	-	-10.8541256	-10.85408918	17.22527296	17.22527476
		ENSRORG00000011276	-	-	0.063635329	4.043127334	4.006098009	3.667083962
		ENSRORG000000021667	-	-	2.772094905	1.904247876	3.584267326	4.451829641
		ENSRORG00000008793	-	-	2.122780435	-0.647742961	5.739143971	8.510149393
		ENSRORG00000020394	-	-	3.710128764	1.145455472	4.12196445	6.687126581
		ENSRORG00000016632	-	-	11.3011532	10.38786655	5.364104316	6.277496878
		ENSRORG00000004631	col14a1a	collagen, type XIV, alpha 1a [Source:ZFIN;Acc:ZDB-GENE-030131-9889]	2.433052175	2.667351958	6.67349635	3.65877244
		ENSRORG00000012774	wdr34	WD repeat domain 34 [Source:NCBI gene:Acc:101171788]	1.378601347	-0.356267149	3.289776908	5.025130434
		ENSRORG00000016184	s-dkey-33m11	s-dkey-33m11.7 [Source:ZFIN;Acc:ZDB-GENE-141218-115]	11.27495465	9.620568083	4.340158036	5.995017365
		ENSRORG00000021588	-	-	14.50988627	12.03865497	3.368410222	18.89809596
		ENSRORG00000004573	PLC21	phospholipase C zeta 1 [Source:HGNC Symbol;Acc:HGNC:19218]	15.25729797	11.22037228	4.753498106	8.790851252
		ENSRORG00000007334	-	-	11.79292871	0	6.012420354	17.8551777
		ENSRORG00000002868	-	-	1.76971159	-0.898898076	8.217185444	8.395130234
		ENSRORG00000013376	-	-	5.065498319	2.163892019	5.04759665	8.607738106
		ENSRORG00000018218	-	-	0	13.35918538	18.65819572	5.299482419

		ENSRORG000000003440	h3gat1a	beta-1,3-galactosyltransferase 1-like [Source:NCBI gene:Acc:101163306]	-	-	-4.047115466	-2.771233406	-0.079456344	-1.35485616
		ENSRORG00000010975	smyd2a	N1-lysine methyltransferase SMYD2-A [Source:NCBI gene:Acc:101159335]	-	-	-3.747684031	-0.231733961	-1.30130033	-1.602478116
		ENSRORG00000016225	ercc1	excision repair cross-complementation group 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2886]	-	-	-5.055998166	1.11616255	6.547252072	0.375636256
		ENSRORG00000006142	kmt5ab	lysine methyltransferase 5Ab [Source:ZFIN;Acc:ZDB-GENE-071004-17]	-	-	-3.56801145	1.184172592	3.783235261	0.968847192
		ENSRORG00000007204	arl16	ADP ribosylation factor like GTPase 16 [Source:NCBI gene:Acc:101186138]	-	-	-6.155613057	1.022191397	7.729515241	0.521313257
		ENSRORG00000000692	tusc3	tumor suppressor candidate 3 [Source:NCBI gene:Acc:101168194]	-	-	-3.38313368	-0.18236894	3.269592478	0.114500301
		ENSRORG00000008719	nabp1a	nucleic acid binding protein 1a [Source:ZFIN;Acc:ZDB-GENE-041212-71]	-	-	-3.317643446	0.515056163	4.600234194	1.768017248
		ENSRORG00000010767	znh16	zinc finger H1-type containing 6 [Source:ZFIN;Acc:ZDB-GENE-110411-39]	-	-	-3.756801151	1.276984166	4.481324871	-0.551974872
		ENSRORG00000004808	efl3b	eukaryotic translation initiation factor 3 subunit b [Source:ZFIN;Acc:ZDB-GENE-040426-2900]	-	-	-4.31821137	-0.067847448	3.625310876	0.624567401
		ENSRORG00000006244	elf3b	eukaryotic translation initiation factor 3 subunit b [Source:ZFIN;Acc:ZDB-GENE-040426-2900]	-	-	-3.865652526	0.895456973	4.91915607	0.158441399
		ENSRORG00000005127	-	-	-4.588420394	-0.46817732	-3.948486037	-0.46817732	3.094869037	-1.980289502
		ENSRORG00000011568	ube2g1a	ubiquitin-conjugating enzyme E2G 1a (UBC7 homolog, yeast) [Source:ZFIN;Acc:ZDB-GENE-030131-6065]	-	-	-3.194443845	-0.387313928	3.425453985	1.219413106
		ENSRORG00000009852	-	-	-4.380632997	0.893341051	-3.89719432	6.98719432	1.713705381	-
		ENSRORG00000005286	-	-	-4.573438823	-2.278335319	-2.105130486	-3.997540537	-0.406028142	-
		ENSRORG00000006446	pnsen	presenilin enhancer, gamma-secretase subunit [Source:NCBI gene:Acc:101173171]	-	-	-3.283506546	0.086444779	3.323038301	-0.06028142
		ENSRORG000000009347	-	-	-8.341491795	0.920383939	8.66676967	-0.950496969	-0.950496969	-
		ENSRORG00000000492	npm3	nucleophosmin/nucleoplasmin 3 [Source:NCBI gene:Acc:101163269]	-	-	-3.781726874	0.769487901	5.414813787	0.883433853
		ENSRORG00000006615	-	-	-3.50973579	0.893547179	-3.50973579	0.893547179	-1.705243473	-
		ENSRORG00000005631	aurka	aurora kinase A [Source:ZFIN;Acc:ZDB-GENE-040801-181]	-	-	-4.148130895	0.752669564	4.876582865	-0.023732751
		ENSRORG00000006984	tmem167	transmembrane protein 167A [Source:ZFIN;Acc:ZDB-GENE-050302-29]	-	-	-3.29304050	-0.016887184	2.721855844	-0.59076732
		ENSRORG00000008917	-	-	-3.032399356	0.41382787	-3.032399356	0.41382787	1.918067432	-1.527674976
		ENSRORG00000012153	nop2	NOP2 nuclear protein homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-050309-7]	-	-	-3.154102839	1.830482022	6.451401847	1.487302767
		ENSRORG00000009337	UBL5	ubiquitin like 5 [Source:HGNC Symbol;Acc:HGNC:13736]	-	-	-3.721204647	-0.740716147	2.43124241	-0.548761208
		ENSRORG00000000864	-	-	-4.788578985	1.229250539	-4.788578985	1.229250539	6.312674647	0.295362337
		ENSRORG00000002236	ptges3b	prostaglandin H synthase 3b (cyclooxygenase 3) [Source:ZFIN;Acc:ZDB-GENE-040625-144]	-	-	-4.786585085	0.09291534	5.462441514	0.583423657
		ENSRORG00000005079	MME	membrane metalloendopeptidase [Source:HGNC Symbol;Acc:HGNC:7154]	-	-	-3.071196665	1.112232069	6.233572455	-2.05062897
		ENSRORG00000000307	-	-	-6.419057143	-0.395196817	-6.419057143	-0.395196817	3.027981449	-2.96539399
		ENSRORG00000000486	-	-	-3.16648634	-0.020830749	-3.16648634	-0.020830749	3.578408885	0.432328082
		ENSRORG00000009714	-	-	-4.418013045	1.447528228	-4.418013045	1.447528228	5.584072642	-0.28035709
		ENSRORG000000009714	-	-	-3.315470002	-0.460393384	-3.315470002	-0.460393384	6.116821567	-
		ENSRORG00000002592	tmem53	transmembrane protein 53 [Source:ZFIN;Acc:ZDB-GENE-040718-384]	-	-	-3.016931142	-0.683793702	-0.159279027	-2.84580614
		ENSRORG00000015824	mrps10	mitochondrial ribosomal protein S10 [Source:ZFIN;Acc:ZDB-GENE-040914-39]	-					

	ENSORLG00000017885	HS3ST5	heparan sulfate-glucosamine 3-sulfotransferase 5 [Source:NCBI gene:Acc:101165781]	-0.205203017	-0.970475533	3.205907855	3.971666102
	ENSORLG00000010320	-	-	0	0	18.09281071	18.0930748
	ENSORLG00000007411	-	-	2.596893132	0.289789538	6.06737962	8.374916419
	ENSORLG00000008364	zpc-172282	zpc-172282 [Source:ZFIN:Acc:ZDB-GENE-080219-38]	2.531807233	4.474749643	3.272188523	3.272188523
	ENSORLG00000019377	zpc-172282	zpc-172282 [Source:ZFIN:Acc:ZDB-GENE-080219-38]	2.304262434	3.078602231	5.85074882	5.5706919628
	ENSORLG00000002042	RF00001	5S ribosomal RNA [Source:NCBI gene:Acc:111947244]	14.42437102	12.08932799	3.060327729	5.396835921
	ENSORLG00000006868	stk33	serine/threonine kinase 33 [Source:ZFIN:Acc:ZDB-GENE-040724-242]	4.34787119	1.825773898	4.842255172	7.364835738
	ENSORLG00000000874	-	-	-13.00279444	0.09876467	16.21216463	3.111091168
	ENSORLG00000016437	ttc8	tetratricopeptide repeat domain 8 [Source:NCBI gene:Acc:101163700]	1.061816025	-0.065011099	4.673568735	5.800880945
	ENSORLG00000005686	si:dkexp-69c1	uncharacterized LOC101171185 [Source:NCBI gene:Acc:101171185]	-10.71192504	2.016112569	16.49703976	1.651525189
	ENSORLG00000010416	-	-	-10.41914909	0.221178694	15.66854127	5.028693752
	ENSORLG00000003306	-	-	10.5708898	12.95452895	5.43252687	3.049361003
	ENSORLG00000002494	pH1d3	PH1 domain containing 3 [Source:ZFIN:Acc:ZDB-GENE-040722-21]	2.527502778	1.124819709	7.53921956	8.9423878
	ENSORLG00000009441	zdc	Oryza latipes phosphatidyl (zdc) mRNA [Source:RefSeq mRNA:Acc:NM_001177855]	11.18341208	11.23521247	5.048675104	4.997341347
	ENSORLG00000010614	dnaJ6b	DnaJ (Hsp40) homolog, subfamily B, member 6b [Source:ZFIN:Acc:ZDB-GENE-040426-1122]	-0.977250891	-0.330962859	3.959835443	3.314032361
	ENSORLG00000015607	-	-	1.332345169	1.379418227	3.619524561	5.73936349
	ENSORLG00000012879	-	-	1.605294752	0.392928622	3.602043695	4.81389494
	ENSORLG00000017596	-	-	0	8.931978467	17.61890337	8.685392091
	ENSORLG00000010747	-	-	-9.031080852	-0.369860348	18.99681101	10.29611483
	ENSORLG00000006156	tht1b	ferritin, heavy polypeptide 1b [Source:ZFIN:Acc:ZDB-GENE-040912-30]	-0.997126765	-0.535664091	3.85820567	3.98984278
	ENSORLG00000011321	AKR1D1	3-oxo-5-beta-steroid 4-dehydrogenase [Source:NCBI gene:Acc:101107970]	3.348479508	0.3301133678	4.300110463	4.300110463
	ENSORLG00000017175	zcdc173	coiled-coil domain containing 173 [Source:ZFIN:Acc:ZDB-GENE-0811104-457]	-1.085816545	0.315382597	8.484092298	7.083379121
	ENSORLG00000009146	tescb	tescalin b [Source:ZFIN:Acc:ZDB-GENE-040426-1903]	-0.061072886	4.06813456	9.15110751	9.032404948
	ENSORLG00000004550	-	-	-13.55200259	1.98200398	19.60596858	4.072452513
	ENSORLG00000000175	-	-	-1.777817414	0.358334486	5.66856673	3.52019923
	ENSORLG00000016751	CCDC148	coiled-coil domain containing 148 [Source:HGNC Symbol:Acc:HGNC:25191]	6.161049669	3.478708783	3.065705765	5.48538439
	ENSORLG00000010354	amtp	alpha-3-microglobulin/fukutin precursor [Source:ZFIN:Acc:ZDB-GENE-040426-1608]	-0.591126349	-0.516264281	3.315803841	3.241427344
	ENSORLG00000018066	zpc135	G protein-coupled receptor 135 [Source:ZFIN:Acc:ZDB-GENE-080429-3]	2.048964676	4.012981713	4.925746366	6.562212587
	ENSORLG00000009821	dnaH12	dymin, axonemal, heavy chain 12 [Source:ZFIN:Acc:ZDB-GENE-090311-9]	3.572128796	3.421684194	6.456386174	6.275052524
	ENSORLG00000006276	mapk10	mitogen-activated protein kinase 10 [Source:ZFIN:Acc:ZDB-GENE-051120-117]	1.967960372	-11.11969336	3.06108348	16.14924182
	ENSORLG00000015987	zmp-00000010	zmp-0000001088 [Source:ZFIN:Acc:ZDB-GENE-140106-48]	12.55072755	11.11557692	3.20442438	4.64040998
	ENSORLG00000011890	sidley-84k17	dymin axonemal light chain 1 [Source:HGNC Symbol:Acc:HGNC:23247]	-13.03710763	2.405196377	2.207857167	4.836757343
	ENSORLG00000015927	-	-	0.785201418	0.731137788	3.892178929	3.371730979
	ENSORLG00000010740	wtf60	WD repeat domain 60 [Source:ZFIN:Acc:ZDB-GENE-140821-1]	-0.289575124	0.097298665	4.207971712	3.84158235
	ENSORLG00000007564	arf5a	activating transcription factor 5a [Source:ZFIN:Acc:ZDB-GENE-060526-205]	14.48636242	12.76468502	3.818409233	5.540553603
	ENSORLG00000006573	lrcc6	leucine rich repeat containing 6 [Source:ZFIN:Acc:ZDB-GENE-040927-2]	-0.781051192	-1.239409177	3.764445017	4.223292524
	ENSORLG00000010523	ztc38	zebrafish testis-expressed 38 [Source:ZFIN:Acc:ZDB-GENE-060312-39]	-0.690764072	0.10570803	5.679307519	4.88332018
	ENSORLG00000012847	phactr3	phosphatase and actin regulator 3 [Source:ZFIN:Acc:ZDB-GENE-101230-3]	-0.527139836	-1.214144637	3.47794989	4.165439657
	ENSORLG00000005723	ano3	anoctamin 3 [Source:ZFIN:Acc:ZDB-GENE-111031-3]	12.93519084	9.334250935	3.211071499	8.612480329
	ENSORLG00000009611	TEK1	tekin 1 [Source:HGNC Symbol:Acc:HGNC:15534]	3.664374238	1.178479027	6.47617255	8.962556042
	ENSORLG00000018866	-	-	0.568471834	-0.268252095	3.145351361	3.982522817
	ENSORLG00000008841	Trmem67	transmembrane protein 67 [Source:NCBI gene:Acc:101188892]	-1.719087004	-0.702350972	4.78497387	3.768772287
	ENSORLG00000017728	IFT22	intraflagellar transport 22 [Source:HGNC Symbol:Acc:HGNC:21895]	-0.738742007	0.990135073	4.80938336	3.08646357
	ENSORLG00000008115	catp7b	calcium binding protein 7b [Source:ZFIN:Acc:ZDB-GENE-060526-565]	0.049230482	-0.364151994	5.87966012	6.29325942
	ENSORLG00000016001	-	-	0	12.50391019	16.31295597	3.809517569
	ENSORLG00000009209	-	-	1.330234374	-0.218290368	3.336066541	4.885096067
	ENSORLG00000011498	-	-	2.173898018	2.275432463	4.880094518	4.779043935
	ENSORLG00000015513	ARL2BP	ADP ribosylation factor like GTPase 2 binding protein [Source:HGNC Symbol:Acc:HGNC:17146]	-2.46199679	1.529757335	7.331563827	3.340294496
	ENSORLG00000009053	dnaJ13	DnaJ (Hsp40) homolog, subfamily B, member 13 [Source:ZFIN:Acc:ZDB-GENE-040910-4]	3.272603099	-0.170593156	7.531778077	10.19545758
	ENSORLG00000011540	-	-	-0.188581318	-1.29297636	3.843049277	4.949928482
	ENSORLG00000011581	dotk3	doublecortin-like kinase 3 [Source:ZFIN:Acc:ZDB-GENE-081104-224]	5.097075431	2.930037889	4.158241839	6.325806074
	ENSORLG00000014287	-	-	11.28463905	12.58543909	9.399375009	8.099042577
	ENSORLG000000005425	zld31a	zona pellucida-like domain containing 1a [Source:ZFIN:Acc:ZDB-GENE-110411-31]	0	0	15.84372996	15.84422669
	ENSORLG00000011164	catip	ciliogenesis associated TTC17 interacting protein [Source:ZFIN:Acc:ZDB-GENE-060929-1170]	-1.184216919	-0.780239882	6.283198251	8.26010324
	ENSORLG00000012825	-	-	-2.615902268	0.879282988	7.066326628	3.571627075
	ENSORLG00000015767	myhpc1	myosin binding protein C, slow type [Source:ZFIN:Acc:ZDB-GENE-041114-196]	2.683929776	1.490600429	3.964171028	5.175985541
	ENSORLG00000006960	-	-	-15.1048888	-1.520889567	19.51836042	5.934772018
	ENSORLG00000006843	dnaH9	dymin, axonemal, assembly factor 3 like [Source:ZFIN:Acc:ZDB-GENE-150903-1]	2.854905107	0.776927426	5.67951415	7.75797041
	ENSORLG00000013148	cfap45	cilia and flagella associated protein 45 [Source:ZFIN:Acc:ZDB-GENE-070209-143]	6.761735121	3.4197195	4.374056678	8.175566678
	ENSORLG00000013420	ncs1a	neuronal calcium sensor 1 [Source:NCBI gene:Acc:101160077]	-0.511859436	0.248256482	4.778018725	4.018386235
	ENSORLG00000004477	SLCO1C1	solute carrier organic anion transporter family member 1C1 [Source:HGNC Symbol:Acc:HGNC:13819]	-1.468433907	-1.02066089	4.479611808	4.032322815
	ENSORLG00000015571	-	-	1.064816157	-0.124818003	-3.44144271	4.621563415
	ENSORLG00000012056	cfap300	cilia and flagella associated protein 300 [Source:ZFIN:Acc:ZDB-GENE-040724-203]	-0.867963602	0.228289221	6.724650547	5.628882267
	ENSORLG00000014775	prkacab	protein kinase, cAMP-dependent, catalytic, alpha genome duplicate b [Source:ZFIN:Acc:ZDB-GENE-040801-208]	-0.544298953	0.977914233	4.966341409	3.444613186

	ENSORLG00000009047	-	-	-3.700568845	-0.038535956	8.12628022	4.464732001
	ENSORLG00000005528	trappc2	trafficking protein particle complex 2 like [Source:NCBI gene:Acc:101174741]	-3.930077748	2.182517268	7.670198176	1.484857481
	ENSORLG00000014793	-	-	3.002115426	0.106892828	4.277583127	1.166262605
	ENSORLG00000008081	-	-	-3.34981044	-0.8893908	4.471039649	1.95397449
	ENSORLG00000006166	elrp5	elastin-like protein 5 [Source:ZFIN:Acc:ZDB-GENE-061215-33]	-4.97180688	0.902705523	5.890575523	0.02178598
	ENSORLG00000003718	tusc2a	tumor suppressor 2, mitochondrial calcium regulator [Source:NCBI gene:Acc:101169352]	-3.589442537	-0.535590302	4.066739836	1.017791611
	ENSORLG00000008147	cdc115	coiled-coil domain containing 115 [Source:ZFIN:Acc:ZDB-GENE-050227-20]	-16.782021222	3.174469241	19.04628249	-0.88971879
	ENSORLG00000015816	-	-	-3.3087681	-0.018649357	4.548293538	2.58659751
	ENSORLG000000009179	fuom	fucose mutarotase [Source:NCBI gene:Acc:101170455]	-16.57850375	-0.607762923	17.91127869	1.941028022
	ENSORLG000000006166	elrp5	elastin-like protein 5 [Source:ZFIN:Acc:ZDB-GENE-061215-33]	-4.662021904	0.253595802	4.622404292	-0.292731319
	ENSORLG00000017293	mettl8	methyltransferase like 8 [Source:ZFIN:Acc:ZDB-GENE-041114-16]	16.26336421	2.295508185	17.05184942	-1.50655703
	ENSORLG00000012568	myk4b	myosin light chain kinase family, member 4b [Source:ZFIN:Acc:ZDB-GENE-041001-128]	-15.76912629	-2.990799513	11.59350784	-1.184239176
	ENSORLG00000003200	atpaf2	ATP synthase mitochondrial F1 complex assembly factor 2 [Source:NCBI gene:Acc:101173128]	-3.059820767	0.461675223	3.69629266	1.075201668
	ENSORLG00000008912	ap2s1	aps2-related protein complex 2, sigma 1 subunit [Source:ZFIN:Acc:ZDB-GENE-040426-2174]	-3.848475918	1.293852013	-3.848475918	0.984017851
	ENSORLG00000011191	hirip3	HIRA interacting protein 3 [Source:ZFIN:Acc:ZDB-GENE-050131-5753]	-4.539177179	0.539036011	5.170444298	0.09271541
	ENSORLG00000015648	arfgap1	ADP-ribosylation factor GTPase activating protein 1 [Source:ZFIN:Acc:ZDB-GENE-041114-130]	-3.142152558	0.889863214	4.983842634	0.982317553
	ENSORLG00000013371	mana	mannosidase, endo-alpha [Source:ZFIN:Acc:ZDB-GENE-040912-87]	-3.012392715	-0.545907789	1.377663946	-1.08833604
	ENSORLG00000003357	-	-	-3.921235809	0.9735476	3.96876611	-0.92531395
	ENSORLG00000008291	tyar	Tyrosine antibody reactive [Source:NCBI gene:Acc:101172807]	-4.08789308	1.120770616	5.507279974	0.299110924
	ENSORLG00000013816	dup12	dual specificity phosphatase 12 [Source:NCBI gene:Acc:101155145]	-3.058199644	-0.113822464	0.113822464	-2.931403009
	ENSORLG00000015648	arfgap1	ADP-ribosylation factor GTPase activating protein 1 [Source:ZFIN:Acc:ZDB-GENE-041114-130]	-3.142152558	0.889863214	4.983842634	0.982317553
	ENSORLG00000013371	mana	mannosidase, endo-alpha [Source:ZFIN:Acc:ZDB-GENE-040912-87]	-3.012392715	-0.545907789	1.377663946	-1.08833604
	ENSORLG00000003357	-	-	-3.921235809	0.9735476	3.96876611	-0.92531395
	ENSORLG00000008291	tyar	Tyrosine antibody reactive [Source:NCBI gene:Acc:101172807]	-4.08789308	1.120770616	5.507279974	0.299110924
	ENSORLG00000013816	dup12	dual specificity phosphatase 12 [Source:NCBI gene:Acc:101155145]	-3.058199644	-0.113822464	0.113822464	-2.931403009
	ENSORLG00000015648	arfgap1	ADP-ribosylation factor GTPase activating protein 1 [Source:ZFIN:Acc:ZDB-GENE-041114-130]	-3.142152558	0.889863214	4.983842634	0.982317553
	ENSORLG00000013371	mana	mannosidase, endo-alpha [Source:ZFIN:Acc:ZDB-GENE-040912-87]	-3.012392715	-0.545907789	1.377663946	-1.08833604
	ENSORLG00000003357	-	-	-3.921235809	0.9735476	3.96876611	-0.92531395
	ENSORLG00000008291	tyar	Tyrosine antibody reactive [Source:NCBI gene:Acc:101172807]	-4.08789308	1.120770616	5.507279974	0.299110924
	ENSORLG00000013816	dup12	dual specificity phosphatase 12 [Source:NCBI gene:Acc:101155145]	-3.058199644	-0.113822464	0.113822464	-2.931403009
	ENSORLG00000015648	arfgap1	ADP-ribosylation factor GTPase activating protein 1 [Source:ZFIN:Acc:ZDB-GENE-041114-130]	-3.142152558	0.889863214	4.983842634	0.982317553
	ENSORLG00000013371	mana	mannosidase, endo-alpha [Source:ZFIN:Acc:ZDB-GENE-040912-87]	-3.012392715	-0.545907789	1.377663946	-1.08833604
	ENSORLG00000003357	-	-	-3.921235809	0.9735476	3.96876611	-0.92531395
	ENSORLG00000008291	tyar	Tyrosine antibody reactive [Source:NCBI gene:Acc:101172807]	-4.08789308	1.120770616	5.507279974	0.299110924
	ENSORLG00000013816	dup12	dual specificity phosphatase 12 [Source:NCBI gene:				

	ENSORLG0000009503	-	-	-2.237513787	-0.896117581	4.830313442	3.489401996
	ENSORLG0000004150	catp2a	calcium-binding protein 2 [Source:NCBI gene:Acc:101165211]	10.56470207	12.40596844	6.141588188	4.300765075
	ENSORLG0000007169	hexa5	hexosaminidase A (alpha polypeptide) [Source:ZFIN:Acc:ZDB-GENE-059417-283]	-0.45167883	0.17304801	5.668742015	5.04413318
	ENSORLG0000000762	ccdc65	coiled-coil domain containing 65 [Source:ZFIN:Acc:ZDB-GENE-030616-358]	1.914341502	-0.67823262	3.97924405	6.570893155
	ENSORLG00000012644	-	-	4.361760153	5.531543014	4.631167949	3.461876094
	ENSORLG00000014813	-	-	-1.489975464	-0.098557235	5.361121493	3.970187928
	ENSORLG00000006075	-	-	1.810954032	2.178252108	5.413221575	5.048602753
	ENSORLG00000011965	-	-	0	11.03365013	16.77118122	5.73800224
	ENSORLG00000009682	-	-	-0.388978366	0.133677221	3.58971722	3.067546464
	ENSORLG00000004848	dazl	deleted in azoospermia like [Source:NCBI gene:Acc:100094918]	0.923292128	0.824423145	4.432967912	4.532321532
	ENSORLG00000012338	mcrip1	MAPK regulated co-repressor interacting protein 1 [Source:NCBI gene:Acc:101162213]	-0.548902445	0.376796059	4.222683477	3.297469921
	ENSORLG00000011618	katna1	katanin p60 ATPase-containing subunit A-like 1 [Source:NCBI gene:Acc:101163120]	-0.696709505	-0.493743665	3.567735527	3.365254701
	ENSORLG00000000163	-	-	-1.699507572	-0.193518052	4.812329554	3.30682597
	ENSORLG00000012598	bxd1	B9 domain containing 1 [Source:NCBI gene:Acc:101164060]	-1.894169991	-0.174113646	5.577536305	3.857964734
	ENSORLG00000009732	-	-	-9.734591084	-9.73457415	19.04065055	19.04114727
	ENSORLG00000007125	armcd9	armadillo repeat containing 9 [Source:ZFIN:Acc:ZDB-GENE-109922-67]	0.411124829	0.513900629	4.54656476	4.52756669
	ENSORLG00000002854	rab30	RAB30, member RAS oncogene family [Source:NCBI gene:Acc:101172181]	1.615922746	1.090564247	3.257573295	3.783416601
	ENSORLG00000003841	catp2b	calcium binding protein 2b [Source:ZFIN:Acc:ZDB-GENE-081028-55]	11.14984871	5.238865456	16.39920446	16.39920446
	ENSORLG00000017033	stk39	serine threonine kinase 39 [Source:ZFIN:Acc:ZDB-GENE-145108-194]	1.412065637	1.311906668	3.80129587	3.801885661
	ENSORLG00000013913	-	-	3.230835514	2.005233288	3.783414643	5.009480186
	ENSORLG00000003818	nchp1	nephrocytin 1 [Source:NCBI gene:Acc:101156350]	0.569756463	-0.073584333	4.251103397	4.894928863
	ENSORLG00000010878	WDR63	WD repeat domain 63 [Source:HGNC Symbol:Acc:HGNC:30711]	2.616089379	0.690664333	4.06758275	9.99493791
	ENSORLG00000003775	ZMYND10	zinc finger MYND-type containing 10 [Source:HGNC Symbol:Acc:HGNC:19412]	13.43180706	11.88016128	7.889764012	11.48718274
	ENSORLG00000013908	-	-	1.023313518	1.277926787	3.763968993	3.509839244
	ENSORLG00000005063	arf6	ADP-ribosylation factor-like 6 [Source:ZFIN:Acc:ZDB-GENE-041219-2]	-4.470493051	2.164608636	9.744506108	3.109883772
	ENSORLG00000014143	-	-	-1.27216492	-1.144138645	5.674279307	5.546737828
	ENSORLG00000013903	cer54b	ceramide synthase 2 [Source:NCBI gene:Acc:101155637]	1.093618747	1.409941709	3.992596448	3.676758138
	ENSORLG00000007661	ARF3	ADP ribosylation factor 3 [Source:HGNC Symbol:Acc:HGNC:654]	1.570673618	-1.01797512	3.660589555	6.249718022
	ENSORLG00000000671	-	-	2.469676431	0.821128809	3.296485532	4.945518033
	ENSORLG00000017151	klh41a	kelch like family member 41 [Source:NCBI gene:Acc:101157898]	10.16239133	10.13865578	6.547190506	6.3914001
	ENSORLG00000006974	-	-	0	12.72181139	16.79703759	40.78989847
	ENSORLG00000003967	-	-	-0.326090874	0.399170834	4.236280975	3.144464203
	ENSORLG00000006959	-	-	-12.64601498	0.69897267	16.3893447	3.326494548
	ENSORLG00000004806	-	-	-11.26436459	-0.062894597	19.87870021	7.65689024
	ENSORLG00000007387	ppp1r2	protein phosphatase 1 regulatory inhibitor subunit 2 [Source:NCBI gene:Acc:101161720]	0.574339862	0.50433153	3.371660441	3.442170305
	ENSORLG00000006609	lfnc2	Fanconi anemia complementation group E [Source:ZFIN:Acc:ZDB-GENE-060510-5]	-1.74809811	-0.481354011	4.470088331	3.203829213
	ENSORLG00000009216	nmt2	N-methyltransferase 2 [Source:ZFIN:Acc:ZDB-GENE-090131-717]	-1.816396806	0.27095662	5.331754062	8.428828262
	ENSORLG00000010328	-	-	2.811055991	2.284339108	7.406893306	7.934198044
	ENSORLG00000007266	zpc194655	NEDD8 [Source:NCBI gene:Acc:101170466]	1.68716378	2.667445419	7.827632897	6.847836593
	ENSORLG00000009723	dlnc1	deleted in lung and esophageal cancer 1 [Source:ZFIN:Acc:ZDB-GENE-091204-65]	14.35695259	12.11745155	4.49115254	6.731125549
	ENSORLG00000011128	ircv51	leucine rich repeat containing 51 [Source:ZFIN:Acc:ZDB-GENE-060929-962]	13.81355275	0	7.551810817	21.36585537
	ENSORLG00000009314	top1	DNA topoisomerase 1 [Source:NCBI gene:Acc:101160729]	3.102763391	2.524867319	6.50938669	7.087744575
	ENSORLG00000009892	tmem1071	transmembrane protein 107 [Source:NCBI gene:Acc:101155271]	-2.991084262	1.74567843	7.942643658	3.206365021
	ENSORLG00000017790	ak7a	adenylyate kinase 7a [Source:ZFIN:Acc:ZDB-GENE-040724-122]	2.763568812	0.759043665	4.518009174	5.623090289
	ENSORLG00000005337	-	-	2.417138722	1.088722233	3.82627259	5.155174327
	ENSORLG00000011086	KCNK12	potassium two pore domain channel subfamily K member 12 [Source:HGNC Symbol:Acc:HGNC:6274]	-1.712499315	-2.261460253	6.501120572	7.050594086
	ENSORLG00000012423	-	-	0	11.61020359	16.39977225	5.49042236
	ENSORLG00000013316	-	-	-1.27946918	-0.17654186	4.23839531	3.130418417
	ENSORLG00000006779	sar1ab	GTP-binding protein SAR1b [Source:NCBI gene:Acc:101155189]	-1.260656037	0.69974061	6.194770863	4.248555776
	ENSORLG00000015824	lysmd1	LysM domain containing 1 [Source:NCBI gene:Acc:101166660]	0.310761623	1.723806504	4.691803789	3.279243676
	ENSORLG00000013466	armc2	armadillo repeat containing 2 [Source:ZFIN:Acc:ZDB-GENE-041034-7]	2.461455537	-0.9812637	3.365630266	6.808834239
	ENSORLG00000012227	-	-	1.92017077	1.951497764	3.299682396	3.298838673
	ENSORLG00000000536	icn	ictacalcin [Source:ZFIN:Acc:ZDB-GENE-030131-8599]	11.14502779	0	5.685789564	16.83128782
	ENSORLG000000050272	mdh1b	malate dehydrogenase 1B, NAD (soluble) [Source:ZFIN:Acc:ZDB-GENE-060289-384]	2.243278795	-0.454848049	4.27077389	6.975689184
	ENSORLG00000006856	-	-	5.73335056	0.26156749	4.085456869	9.557573145
	ENSORLG00000015479	-	-	13.8497286	0	6.542431363	20.38446172
	ENSORLG00000007297	ribc1	RIB43A domain with coiled-coils 1 [Source:ZFIN:Acc:ZDB-GENE-081031-7]	2.433185719	-2.788305343	7.114052513	12.33602859
	ENSORLG00000006069	-	-	0	0	16.92176459	16.92226139
	ENSORLG00000009547	ldgalt5	UDP-Gal4betaGlcNAc beta 1,4-galactosyltransferase, polyphosphate 5 [Source:ZFIN:Acc:ZDB-GENE-060628-3]	3.85071927	3.044516291	3.90430067	4.710984732
	ENSORLG00000004838	serpin2b	serpin family F member 2 [Source:NCBI gene:Acc:101163835]	9.343385613	11.07921142	7.890544452	6.155188869
	ENSORLG00000011219	-	-	0	14.01119667	17.63266256	3.62139302
	ENSORLG00000002800	-	-	0.934664883	1.042157701	3.87475312	3.767746689
	ENSORLG00000006175	-	-	3.793504201	-1.045839376	4.33717081	9.176979548
	ENSORLG00000011790	-	-	-2.109128397	-0.316700055	4.95033992	3.158395167

	ENSORLG00000014826	rip7a	ribosomal RNA processing 7 homolog A [Source:NCBI gene:Acc:101157059]	-3.358273426	0.106142328	2.755189941	-0.70874083
	ENSORLG000000006704	-	-	-3.335175806	2.99473009	4.550834538	-1.778870808
	ENSORLG00000000143	-	-	-5.288217287	0.776760753	6.995565745	0.981072186
	ENSORLG000000004230	cdc43	coiled-coil domain containing 43 [Source:ZFIN:Acc:ZDB-GENE-040426-1587]	-3.278646622	-0.626547757	1.665071407	-0.986421767
	ENSORLG00000006336	-	-	-5.209991094	-0.56559863	3.798238402	-0.842526057
	ENSORLG00000015812	sidkeyp-9	sidkeyp-9h10.5 [Source:ZFIN:Acc:ZDB-GENE-070912-693]	-3.585196244	-0.412940113	2.58892711	-0.582843991
	ENSORLG00000014594	-	-	-4.22720841	0.835903527	2.201217276	2.358938527
	ENSORLG00000014700	-	-	-5.116812119	0.197268692	4.072228253	1.841185861
	ENSORLG000000004354	HAU51	HAU5 augmin like complex subunit 1 [Source:NCBI gene:Acc:101168876]	-3.89919474	0.51207437	4.88430777	0.472883515
	ENSORLG00000009765	bicop	BRC2 and CDKN1A interacting protein [Source:NCBI gene:Acc:101165343]	-3.026251666	0.334576723	4.414084963	1.017477797
	ENSORLG00000007932	ron2	reticulocalbin 2 [Source:ZFIN:Acc:ZDB-GENE-050706-62]	-6.15271044	0.246844943	5.682582825	-0.716487649
	ENSORLG00000003851	-	-	-5.02828266	0.753413936	5.495717446	-0.285508589
	ENSORLG00000008205	ctsp43	CTD small phosphatase-like protein 2-B [Source:NCBI gene:Acc:101165797]	-3.582510925	-0.14020689	2.472561707	-0.96295736
	ENSORLG00000013879	yeast4	YEATS domain containing 4 [Source:NCBI gene:Acc:101163215]	-4.670549279	1.559138018	5.086701147	-1.142500974
	ENSORLG00000006650	sidkeyp-2	sidkeyp-2B9.1 [Source:ZFIN:Acc:ZDB-GENE-091204-297]	-16.6923086	-2.176416702	12.99614665	-1.91266739
	ENSORLG00000013969	EFN2A	efrin A2 [Source:HGNC Symbol:Acc:HGNC:3222]	-3.175884632	-0.98743938	-6.031221529	-2.819161425
	ENSORLG00000009402	po5c	POCS centrorial protein homolog (Chlamydomonas) [Source:ZFIN:Acc:ZDB-GENE-060526-158]	-3.043193217	-0.162956546	3.633841673	0.753729927
	ENSORLG00000015185	tango2	transport and org organization 2 homolog [Source:NCBI gene:Acc:101156177]	-3.544662166	0.907276645	4.964545306	0.517999101
	ENSORLG00000005711	tm14a	thioredoxin like 4A [Source:NCBI gene:Acc:101166315]	-3.646737609	1.450105559	-2.52082823	4.139301865
	ENSORLG00000006817	-	-	-3.555929673	-0.252082823	4.139301865	0.835400141
	ENSORLG00000007900	eloch	elangan C [Source:NCBI gene:Acc:101173584]	-6.285460078	2.301282756	7.569492667	1.052000732
	ENSORLG00000009440	pdpr1	P53 and DNA-damage regulated 1 [Source:ZFIN:Acc:ZDB-GENE-050417-276]	-3.62293006	1.337712167	4.995851425	0.036313026
	ENSORLG00000008400	-	-	-4.149318517	-0.102921217	4.493702173	-2.764354323
	ENSORLG0000001312	-	-	-6.49200242	-0.86470164	-9.631249825	15.29318604
	ENSORLG00000009577	cenpn	centromere protein N [Source:ZFIN:Acc:ZDB-GENE-030616-408]	-3.953722802	-0.22880615	3.493758534	-0.230673752
	ENSORLG00000011717	ube24	ubiquitin-conjugating enzyme E2 D4 [Source:NCBI gene:Acc:101172587]	-8.126629035	1.785466675	10.500091319	0.688789056
	ENSORLG00000012834	gmnn	geminin, DNA replication inhibitor 2 [Source:ZFIN:Acc:ZDB-GENE-030429-30]	-3.151822289	1.260554731	3.59310441	-0.818817546
	ENSORLG00000018132	-	-	-3.953722802	-0.22880615	3.493758534	-0.230673752
	ENSORLG00000006192	-	-	-3.86158352	1.529315321	7.254204038	2.063790421
	ENSORLG00000001118	mcts1	MCTS1, re-initiation and release factor [Source:NCBI gene:Acc:101161648]	-6.21839691	2.23873938	7.697541988	-0.769156762
	ENSORLG00000012632	CDH7	cadherin 7 [Source:HGNC Symbol:Acc:HGNC:1766]	-4.735673382	-0.441908192	2.774193585	-1.51308552
	ENSORLG00000017199						

ENSRORG00000017147	bbs5	Bardet-Biedl syndrome 5 [Source:NCBI gene:Acc:101157654]	-6.584296987	1.943650135	12.4488449	3.921387551
ENSRORG00000016684	VSX2	visual system homeobox 2 [Source:HGNC Symbol:Acc:HGNC:1975]	-1.350236885	-1.549134089	5.296147199	5.495529635
ENSRORG00000009299	zgc:66426	zgc:66426 [Source:ZFIN:Acc:ZDB-GENE-04026-1639]	0	13.09382192	19.9220941	6.698959124
ENSRORG00000016146	msh4	msh5 homolog 4 [Source:ZFIN:Acc:ZDB-GENE-131121-643]	0.561546634	0.386154798	3.772979679	3.955156258
ENSRORG00000004725	ift140	intraflagellar transport 140 homolog (Chlamydomonas) [Source:ZFIN:Acc:ZDB-GENE-040724-165]	-0.020701906	0.170319542	4.27473931	4.08690274
ENSRORG000000013017	iftr8	intraflagellar transport 88 homolog [Source:ZFIN:Acc:ZDB-GENE-030131-574]	0.264741962	0.76815854	4.112688491	3.60975596
ENSRORG00000011934	tctc1	T-complex associated testis-expressed 1 [Source:ZFIN:Acc:ZDB-GENE-120406-12]	1.836517773	0.31377957	4.847309183	6.372533337
ENSRORG00000004513	prnoca	prerolnocoeptin [Source:NCBI gene:Acc:101186692]	1.933114989	0.991706932	3.366922527	4.308817021
ENSRORG00000011654	-	-	-1.127506228	-0.872614008	4.005613495	3.751206275
ENSRORG00000004725	sept3	sepin 3 [Source:ZFIN:Acc:ZDB-GENE-050522-375]	0.671821856	-0.625976668	3.58072954	4.879011714
ENSRORG000000012762	-	-	2.55524679	2.218508434	5.263658823	-
ENSRORG00000004076	sl:skey-46a10	sl:skey-46a10 3 [Source:ZFIN:Acc:ZDB-GENE-030131-4610]	-0.586800341	1.853609529	6.173900127	3.734035241
ENSRORG00000006080	-	-	0.560080971	0.304174053	4.134116774	4.390508264
ENSRORG000000014072	-	-	1.18794865	-0.214097663	3.012579563	4.415105449
ENSRORG000000012477	ztf11	leusine zipper transcription factor like 1 [Source:NCBI gene:Acc:101165106]	0.285854971	0.875507081	4.892896219	4.303728734
ENSRORG000000018223	-	-	0	11.29023777	16.87051868	5.585248821
ENSRORG000000017529	scn3b	sodium voltage-gated channel beta subunit 3 [Source:NCBI gene:Acc:101164629]	14.38464482	12.8322769	3.410833669	4.9636672
ENSRORG00000001335	sl:skey-42p14	sl:skey-42p14 3 [Source:ZFIN:Acc:ZDB-GENE-041111-131]	-11.97260291	-1.054072011	20.62035118	9.702305162
ENSRORG00000016407	-	-	1.315100963	-0.681066158	3.747690613	5.7443427
ENSRORG000000007726	-	-	-0.39757602	-0.156802166	4.90071004	-
ENSRORG00000003033	zgc:66427	E3 ubiquitin-protein ligase znf1 [Source:NCBI gene:Acc:101166334]	-0.549315898	-0.203496295	4.2526803	3.907345608
ENSRORG000000017409	caona1e	calcium channel, voltage-dependent, K type, alpha 1E subunit B [Source:ZFIN:Acc:ZDB-GENE-070705-133]	0.242144928	0.810635617	3.605541601	3.037535892
ENSRORG000000049828	CCDC112	coiled-coil domain containing 112 [Source:HGNC Symbol:Acc:HGNC:28599]	-2.953296883	-0.12808923	3.411101245	-
ENSRORG00000004608	arm4	armadillo repeat containing 4 [Source:ZFIN:Acc:ZDB-GENE-100316-7]	-0.336768889	1.1654084104	3.142695567	4.460495718
ENSRORG00000007235	-	-	13.53958535	0	4.630191908	18.17028916
ENSRORG00000007132	arh1	aradine ubiquitin-conjugating enzyme E2 binding protein homolog 1 (Drosophila) [Source:ZFIN:Acc:ZDB-GENE-030131-5213]	0.526245145	0.541486911	3.074501429	3.059744806
ENSRORG000000021700	-	-	1.100257769	0.241712931	4.298218975	5.157248397
ENSRORG00000008365	-	-	-1.19534526	-0.33804008	6.255172694	5.993526863
ENSRORG00000005906	tmem134	transmembrane protein 134 [Source:NCBI gene:Acc:101169517]	-0.745971112	0.977371689	4.933616318	3.210758471
ENSRORG000000021050	RF0100	-	2.377666553	1.443142445	3.171693014	6.652699954
ENSRORG000000010213	-	-	3.940742887	0.615816902	3.800546173	7.125958452
ENSRORG00000003508	-	-	12.31317498	12.67468	4.339371768	3.978336566
ENSRORG000000017615	pth1ra	parathyroid hormone 1 receptor A [Source:ZFIN:Acc:ZDB-GENE-991123-8]	11.34712304	9.791423397	4.542381473	6.098539988
ENSRORG00000004334	cfap298	cilia and flagella associated protein 298 [Source:NCBI gene:Acc:101169629]	-2.197476727	-0.019007506	3.433175021	-
ENSRORG00000009201	znf511	zinc finger protein 511 [Source:NCBI gene:Acc:101171189]	-0.493164648	-0.00163964	5.11357129	4.622531126
ENSRORG00000007763	mustn1b	musculoskeletal, embryonic nuclear protein 1b [Source:ZFIN:Acc:ZDB-GENE-111129-2]	0	13.17945351	16.31027816	3.131296611
ENSRORG000000021118	-	-	-0.156057164	-0.441648789	4.5884388	4.729139915
ENSRORG00000008399	ppp142	protein phosphatase 1, regulatory subunit 42 [Source:ZFIN:Acc:ZDB-GENE-040704-43]	-1.055738143	1.887134009	7.333863104	4.391476422
ENSRORG00000004669	-	-	6.778002959	-0.04827005	3.912229396	10.73899861
ENSRORG00000006542	btc	betacellulin, epidermal growth factor family member [Source:ZFIN:Acc:ZDB-GENE-050311-1]	14.80091355	12.29606444	9.3201227	6.437329577
ENSRORG000000016469	nme8	NME/NM23 family member 8 [Source:ZFIN:Acc:ZDB-GENE-070410-39]	4.206635881	2.55733052	6.250550423	7.904442905
ENSRORG00000009132	-	-	-0.698185271	0.38970061	6.071649961	4.984248816
ENSRORG000000062403	sic16a4	solute carrier family 16, member 4 [Source:ZFIN:Acc:ZDB-GENE-070112-602]	3.670347415	0.785031551	3.698988009	6.5756672
ENSRORG000000021749	arfap3	ADP-ribosylation factor GTPase activating protein 3 [Source:ZFIN:Acc:ZDB-GENE-04026-11]	0.89616073	2.834667708	6.716326918	4.772760304
ENSRORG00000005533	qub	IQ motif and ubiquitin domain containing [Source:ZFIN:Acc:ZDB-GENE-110421-1]	1.455884573	0.857970195	8.935074066	6.621704273
ENSRORG000000015169	tmem231	transmembrane protein 231 [Source:NCBI gene:Acc:101188706]	-0.200312506	-0.546220963	3.633830827	3.979778496
ENSRORG00000004757	gpn4b	glutathione peroxidase 4b [Source:ZFIN:Acc:ZDB-GENE-030410-3]	0.31019425	1.26993022	4.55303025	5.59806138
ENSRORG00000015052	hamp	heparin [Source:NCBI gene:Acc:101157971]	2.570589016	-0.700749257	3.12616376	6.404439343
ENSRORG00000003910	sl:skey-183g2	sl:skey-183g2 10 [Source:ZFIN:Acc:ZDB-GENE-130530-729]	-0.310273143	0.74636364	5.021196366	3.965047348
ENSRORG00000002011	-	-	1.770555238	-11.02194465	9.152983248	21.945989974
ENSRORG0000000952	zgc:110197	ADP-ribosylation factor like GTPase 3 [Source:NCBI gene:Acc:101172287]	-0.404633673	-0.388662933	3.790240074	3.774718193
ENSRORG000000010819	UBE2H (1 of m	ubiquitin-conjugating enzyme E2 H [Source:NCBI gene:Acc:101163973]	-0.382590972	0.00339525	3.55331404	3.167818308
ENSRORG000000012324	lam92a1	family with sequence similarity 92, member A1 [Source:ZFIN:Acc:ZDB-GENE-048091-123]	1.228697523	0.25415346	3.853306026	4.808389585
ENSRORG00000003919	-	-	0	9.620787992	15.85480022	6.234490692
ENSRORG000000011047	-	-	2.21026832	0.570144114	6.397671424	8.038280296
ENSRORG00000006352	catn2	cattractin [Source:NCBI gene:Acc:101170769]	0.627285987	0.250027435	4.342204735	4.71997338
ENSRORG0000000870	-	-	7.82927681	3.94375882	9.321329883	7.206403695
ENSRORG00000012054	-	-	0.623154516	0.456609811	3.036915653	3.20395189
ENSRORG000000011017	efcab1	E(F)-hand calcium binding domain 1 [Source:ZFIN:Acc:ZDB-GENE-040914-40]	-2.881476786	2.064948774	10.61574663	5.668906849
ENSRORG000000016634	-	-	-0.761206984	0.002013877	4.123773983	3.162925506

ENSRORG00000000931	ube2a	ubiquitin conjugating enzyme E2 A [Source:NCBI gene:Acc:101158032]	-3.438124818	2.957552634	5.749674532	-0.645517655
ENSRORG00000003488	-	cell death activator CIDE-A [Source:NCBI gene:Acc:101159391]	-3.910928009	-0.424786265	1.008821655	-2.476905729
ENSRORG00000005841	C18orf32	chromosome 18 open reading frame 32 [Source:HGNC Symbol:Acc:HGNC:31639]	-6.07092275	2.019765498	8.906289512	0.116722805
ENSRORG00000004680	glo4a	glucosylase domain containing 4 [Source:ZFIN:Acc:ZDB-GENE-040912-38]	-5.617867491	0.105636914	-	0.932908114
ENSRORG000000003701	zgc:11418	cytosolic non-specific dipeptidase [Source:NCBI gene:Acc:101170951]	-4.163897514	-2.662538746	0.631461672	-0.869405582
ENSRORG00000017885	casq2	calcastrin 2 [Source:ZFIN:Acc:ZDB-GENE-010724-12]	-4.471492774	-2.299717685	0.458633737	-1.712654728
ENSRORG000000099727	-	-	-3.772223707	-0.452373088	1.25164161	-2.06772409
ENSRORG00000007765	sat2b	sinuate acetyltransferase 2 [Source:NCBI gene:Acc:10174286]	-3.296000119	-0.424552389	4.231018517	1.36005591
ENSRORG00000011383	coa3a	cytochrome C oxidase assembly factor 3a [Source:ZFIN:Acc:ZDB-GENE-060810-187]	-3.387111035	0.808952363	3.400520672	-0.795057775
ENSRORG00000007712	gnt6tq	N-acetylglucosaminyl-1-phosphate transferase, gamma subunit [Source:ZFIN:Acc:ZDB-GENE-040625-10]	-7.845821223	1.943314541	8.0268977	-1.761747927
ENSRORG000000015856	lflph	LLP homolog, long-term synaptic facilitation factor [Source:NCBI gene:Acc:101155243]	-6.921208465	0.374877684	6.991446606	-0.304152446
ENSRORG00000017208	ssb	Sjogren syndrome antigen B (autoantigen Ia) [Source:ZFIN:Acc:ZDB-GENE-030131-223]	-5.254284324	0.67864917	5.641611282	-0.290837535
ENSRORG00000002158	map2k5	mitogen-activated protein kinase kinase 5 [Source:ZFIN:Acc:ZDB-GENE-030131-1517]	-3.671367975	0.816420603	5.373646548	0.886243155
ENSRORG00000006235	usp39	ubiquitin specific peptidase 39 [Source:NCBI gene:Acc:101161161]	-3.323488914	0.400787331	3.508616851	-0.251174444
ENSRORG00000006428	-	-	-3.202724475	0.947206398	4.608335358	0.493435358
ENSRORG00000001829	-	-	-3.393178298	-0.777565401	3.68877735	1.083649278
ENSRORG000000010497	lysm2d3	lysoM, putative peptidoglycan-binding domain containing 3 [Source:ZFIN:Acc:ZDB-GENE-048265-88]	-3.380152139	0.818011717	3.787039986	-0.414694359
ENSRORG00000001527	zgc:16283	zgc:16283 [Source:ZFIN:Acc:ZDB-GENE-070410-94]	-3.471214014	-0.036576632	3.202079273	-0.233073201
ENSRORG00000003929	HABP4	hyaluronan binding protein 4 [Source:HGNC Symbol:Acc:HGNC:17062]	-4.174189408	-0.42039475	0.97189114	-2.771720695
ENSRORG000000014666	gabrb1b	gamma-aminobutyric acid (GABA) B receptor, 1b [Source:ZFIN:Acc:ZDB-GENE-060503-5]	-4.424658843	-2.781742158	-0.466940671	-2.10937420
ENSRORG00000009433	rgbr	RPE-retinal G protein-coupled receptor [Source:NCBI gene:Acc:101162976]	-4.684056218	-0.357946103	2.671080581	-1.65445177
ENSRORG000000014721	-	chromosome 9 C12orf43 homolog [Source:NCBI gene:Acc:101165894]	-5.031956492	-0.549912421	4.035141749	-0.446417271
ENSRORG000000013967	-	-	-3.31084564	-0.641849584	4.419355749	1.750481063
ENSRORG000000012944	-	-	-3.72825516	-0.296142497	2.899125366	-0.532501652
ENSRORG000000021421	RF0019	U6atac minor spliceosomal RNA [Source:NCBI gene:Acc:11947495]	-4.683410599	0.817586989	7.167127298	1.666614866
ENSRORG000000040878	ubif51	ubiquitin family domain containing 1 [Source:NCBI gene:Acc:101171431]	-4.132480774	0.924475632	6.527780575	1.471308909
ENSRORG000000014031	chnp1r1	CTD nuclear envelope phosphatase 1 regulatory subunit 1 [Source:NCBI gene:Acc:101165466]	-4.147202646	1.845014307	5.824578665	-0.165153228
ENSRORG00000001006	rbm48	RNA binding motif protein 48 [Source:NCBI gene:Acc:101176098]	-0.062007955	-0.243920876	4.902492911	1.086629565
ENSRORG000000004347	tas1r2a	Tas1ras taste receptor, type 1, member 2a (tas1r2a), mRNA [Source:RefSeq mRNA:Acc:NM_01104858]	-3.813760597	1.408498676	5.434345672	-0.21151537
ENSRORG00000001898	-	-	-3.18742742	1.217332691	3.774341127	-0.590324086
ENSRORG00000002592	-	Golg SNAP receptor complex member 1 [Source:NCBI gene:Acc:101157988]	-8.081337151	1.31166072	9.097291507	-0.295271726
ENSRORG000000013767	-	putative uncharacterized protein DB_G0292636 [Source:NCBI gene:Acc:105355500]	-6.256697895	1.029562983	5.668071339	-1.599854045
ENSRORG00000002580	sich211	chromosome 9 C2orf39 homolog [Source:NCBI gene:Acc:10172921]	-4.057638405	1.690231443	4.91926164	-0.8281265
ENSRORG00000004675	-	-	-6.309527962	1.137190208	7.322873781	-0.358070985
ENSRORG000000014415	-	-	-4.161510721	-0.618942451	1.98376386	-1.558314405
ENSRORG000						

	ENSRGL0000000159	-	-	0.31050588	-0.93297655	4.45968489	5.70370054
	ENSRGL0000000197	-	-	13.6810216	9.22032955	5.78732944	10.0356913
	ENSRGL00000015603	lam102ba	protein FAM102B [Source:NCBI gene:Acc:101166419]	2.036688775	0.66969592	3.55871754	4.90397582
	ENSRGL00000020217	-	-	0.584727379	1.81672123	4.134714649	3.082761268
	ENSRGL00000009043	mon5	MORF repeat containing 5 [Source:ZFIN:Acc:ZDB-GENE-050522-267]	0	0	18.94431738	18.94431738
	ENSRGL00000004695	-	-	1.163779148	0.800414452	4.201015286	4.564664918
	OSCP1	organic solute carrier partner 1 [Source:HGNC Symbol:Acc:HGNC:29971]	-	-0.94527191	0.093740282	4.592802992	3.5542755
	ENSRGL00000000020	-	-	-0.57465548	0.05245516	4.47567656	3.849050267
	ENSRGL00000017939	rsph3	retinal-specific homeobox 3 [Source:ZFIN:Acc:ZDB-GENE-040724-173]	1.821241038	0.936289167	4.572945405	5.45640211
	ENSRGL000000008557	-	-	0.806834729	-2.811101654	9.248522133	12.86694307
	ENSRGL000000007896	zrom1b	prominin 1 b [Source:ZFIN:Acc:ZDB-GENE-031003-1]	0.378517559	0.450681635	3.53094735	3.459268516
	ENSRGL00000007164	-	-	0.224064101	0.256765322	4.53659513	4.48478542
	ENSRGL00000009553	MNS1	meiosis specific nuclear structural 1 [Source:HGNC Symbol:Acc:HGNC:29636]	-2.239907802	-0.506634974	5.102818936	3.730028963
	ENSRGL00000010076	-	-	2.1104091	0	11.99420845	16.63987201
	ENSRGL000000008450	-	-	1.793801899	0.86603511	3.84082492	4.748304444
	ENSRGL00000001688	tecb1	tectorin beta [Source:ZFIN:Acc:ZDB-GENE-041212-16]	-1.233666339	0.854263778	5.395573147	3.508127803
	ENSRGL000000020999	RF00003	U1 splicesome RNA [Source:NCBI gene:Acc:111948514]	1.990528415	0.532064119	3.219579421	4.45528283
	ENSRGL000000021355	RF00012	small nuclear RNA U2 [Source:NCBI gene:Acc:111946355]	-12.65261197	-0.121419746	17.01274702	4.68907477
	ENSRGL000000017136	zpc-172182	zpc172182 [Source:ZFIN:Acc:ZDB-GENE-080204-56]	-9.529664802	3.64313555	19.10147557	5.929166677
	ENSRGL000000008450	-	-	1.84075735	-0.317073151	4.22366395	6.381981512
	ENSRGL000000021640	-	-	2.568272861	2.613184171	4.483789019	4.439336116
	ENSRGL000000009343	drc3	dymin regulatory complex subunit 3 [Source:ZFIN:Acc:ZDB-GENE-061103-349]	0	11.22629778	17.93947346	6.713513562
	ENSRGL000000013037	sacs	sacsin molecular chaperone [Source:NCBI gene:Acc:101168896]	0.786191277	3.324219386	6.032586443	3.495051123
	ENSRGL000000009063	trtp13	thyroid hormone receptor interactor 13 [Source:ZFIN:Acc:ZDB-GENE-040226-1498]	0.318856836	0.75642516	4.041475641	3.605174939
	ENSRGL00000012827	-	-	1.210669368	0.891890323	3.048933746	3.368198014
	ENSRGL00000007856	-	-	1.233239618	0.072014696	3.682082056	4.843791854
	ENSRGL000000015988	nek4	NIMA-related kinase 4 [Source:ZFIN:Acc:ZDB-GENE-040426-1392]	-0.975977483	-0.681514919	4.052614458	3.758636986
	ENSRGL000000021250	-	-	-1.400925531	0.573777138	5.106348957	3.132133011
	ENSRGL000000021612	-	-	2.451518607	-0.048252502	3.447879318	5.94813574
	ENSRGL000000013926	-	-	1.030672941	-0.287152268	3.560636356	4.87439673
	ENSRGL000000014620	dna11	dymin, axonemal, light intermediate chain 1 [Source:ZFIN:Acc:ZDB-GENE-080204-7]	-1.00094084	1.558267693	9.846190775	7.287461397
	ENSRGL000000004754	tmcb6	transmembrane and coiled-coil domains 6 [Source:ZFIN:Acc:ZDB-GENE-070410-47]	-0.272946713	0.02296856	3.326318877	3.03890033
	ENSRGL00000003871	ccna1	cyclin A1 [Source:ZFIN:Acc:ZDB-GENE-040311-2]	-0.487220831	-0.742218655	5.52952156	5.58059095
	ENSRGL000000004911	ttf9	tubulin tyrosinase ligase-like family, member 9 [Source:ZFIN:Acc:ZDB-GENE-030131-1582]	-0.710696304	0.858921915	6.612904182	5.522770089
	ENSRGL000000021030	RF00004	U2 splicesome RNA [Source:NCBI gene:Acc:101194851]	-0.987374748	0.513139111	7.595025318	6.095002041
	ENSRGL000000013495	-	-	4.366192483	2.120276279	4.994262279	6.220721502
	ENSRGL000000017096	-	-	-3.078541521	-0.979563387	6.350307317	4.051814748
	ENSRGL000000009082	utp2	uncoupling protein 2 [Source:NCBI gene:Acc:101160682]	5.815893103	-0.32550341	3.699697217	9.84159607
	ENSRGL00000007822	-	-	11.32483872	12.7857573	5.524704315	4.064234248
	ENSRGL000000015702	-	-	0.889404261	0.910846835	3.27979793	3.258940022
	ENSRGL000000008483	mon3	MORF repeat containing 3 [Source:ZFIN:Acc:ZDB-GENE-050417-152]	-0.81323479	0.465053944	7.226097333	5.948293596
	ENSRGL00000001334	-	-	0.878810976	2.797289206	6.02040534	4.10411038
	ENSRGL000000014836	zsp16	zinc finger protein 16 [Source:ZFIN:Acc:ZDB-GENE-050522-70]	0.223480641	1.149608261	7.03112016	6.10547711
	ENSRGL000000016854	kss1rb	RGS1 receptor b [Source:ZFIN:Acc:ZDB-GENE-060526-54]	12.14012996	12.34226361	3.862205234	3.666042046
	ENSRGL000000009694	CLUAP1	clustering associated protein 1 [Source:HGNC Symbol:Acc:HGNC:19009]	-1.694313096	-0.37951079	5.774624704	4.460147765
	ENSRGL00000005660	-	-	1.454204853	3.763060696	5.72745484	3.41907971
	ENSRGL000000014489	-	-	-1.041668875	0.453453646	4.815782337	3.321146826
	ENSRGL000000011051	nlcn	sodium leak channel, non-selective [Source:ZFIN:Acc:ZDB-GENE-050410-12]	2.173951653	2.004268632	3.042129171	3.212298262
	ENSRGL000000017932	-	-	-9.875810774	4.295465836	17.60951734	3.438728588
	ENSRGL000000012981	efhc1	EF-hand domain (C-terminal) containing 1 [Source:ZFIN:Acc:ZDB-GENE-040426-1300]	4.229684936	1.124045312	8.405610092	11.51157823
	ENSRGL000000005555	-	-	0.072154876	-0.42755535	3.457801588	6.95230084
	ENSRGL000000000161	-	-	-1.165066662	1.722804914	6.048068079	3.10686563
	ENSRGL000000006061	sid1ey-14o18	sid1ey-14o18 2 [Source:NCBI gene:Acc:101164594]	-1.06340819	2.220457567	8.387651614	5.48280606
	ENSRGL00000007690	-	-	-1.169502716	-0.216071301	5.138044098	4.185102418
	ENSRGL000000050714	slc2a5	solute carrier family 2, facilitated glucose transporter member 5 [Source:NCBI gene:Acc:101154948]	3.56852988	-0.943998138	3.157638038	7.670655102
	ENSRGL00000003981	enrh3	glutamate-rich 3 [Source:ZFIN:Acc:ZDB-GENE-070209-29]	1.69371755	-2.2857895	3.645243413	7.62561268
	ENSRGL000000010918	ak7b	serine/threonine kinase 7b [Source:ZFIN:Acc:ZDB-GENE-050309-170]	3.685825925	0.492212194	3.643056036	6.837156587
	ENSRGL000000011039	FT122	intraflagellar transport 122 [Source:HGNC Symbol:Acc:HGNC:13566]	-0.156911048	-0.229689664	4.077102436	4.150366182
	ENSRGL000000006044	syntpb2	synaptophysin-like 2b [Source:ZFIN:Acc:ZDB-GENE-050417-309]	0.760702566	1.781258257	4.70460318	3.68453787
	ENSRGL000000011792	daw1	dymin assembly factor with WDR repeat domains 1 [Source:ZFIN:Acc:ZDB-GENE-050419-255]	4.91849904	-0.99634353	4.226286852	10.14189956
	ENSRGL000000015815	ttb1	intraflagellar transport 81 [Source:NCBI gene:Acc:101160565]	0.810257298	-0.158306322	3.288033453	4.257081954
	ENSRGL000000005637	-	-	3.767234039	1.818275975	4.017994863	6.057432265
	ENSRGL000000012755	-	-	10.2481885	0	6.1803845	16.56670874
	ENSRGL00000002502	slc1h211-220a	enkurin domain containing 1 [Source:HGNC Symbol:Acc:HGNC:29246]	1.37949899	-1.71926599	4.564095918	7.114457567
	ENSRGL000000003997	nm1k	NM1 serine/threonine protein kinase [Source:NCBI gene:Acc:101164566]	1.278452273	1.196642742	3.08399321	3.165986959

	ENSRGL000000016473	ACYP1	acetylcholinesterase 1 [Source:HGNC Symbol:Acc:HGNC:29075]	-3.181482253	2.62546649	3.899657859	-1.909485036
	ENSRGL000000005814	rap1ab	RAP1A, member of RAS oncogene family b [Source:ZFIN:Acc:ZDB-GENE-040426-2788]	-3.031272539	-0.347636391	2.053703067	-0.629448093
	ENSRGL000000002759	fho43	F-box protein 43 [Source:ZFIN:Acc:ZDB-GENE-040426-1645]	-3.678816419	-0.03530022	2.649023681	1.049841107
	ENSRGL00000001338	HIST2H3A	histone H3 [Source:NCBI gene:Acc:101166976]	-3.793674607	-1.387693529	3.677945037	3.744784019
	ENSRGL000000009123	cyf5b	cytochrome b5 [Source:NCBI gene:Acc:101155988]	-3.345407267	0.847491714	4.440744474	0.248303212
	ENSRGL000000008191	-	-	-3.145495667	0.239697819	2.412218788	-0.861543984
	ENSRGL000000000334	usp16	ubiquitin specific peptidase 16 [Source:ZFIN:Acc:ZDB-GENE-030131-4153]	-4.856042031	0.040521248	3.503443103	-1.392674796
	ENSRGL000000000041	churc1	churchill domain containing 1 [Source:NCBI gene:Acc:101169830]	-4.417916163	0.175736439	2.445834726	-2.147329246
	ENSRGL000000012430	trapp2	trafficking protein particle complex 2 [Source:NCBI gene:Acc:101168660]	-6.583393728	1.254262871	8.448592611	0.613614241
	ENSRGL00000000789	-	-	-4.8543273	2.895500076	7.335405651	-0.418989020
	ENSRGL00000007788	-	-	-3.649263022	0.866343588	5.15518323	6.38063144
	ENSRGL000000012083	-	-	-15.99427034	-2.26476892	11.8606199	-2.08831187
	ENSRGL000000014903	-	-	-4.072724479	-1.631343428	-0.229308289	-2.66938852
	ENSRGL000000008134	-	-	-0.09602473	-4.658950663	5.038062075	0.275641072
	ENSRGL00000007964	tsan3a	tetraspanin-3 [Source:NCBI gene:Acc:101170088]	-0.908013959	-4.494222295	-2.35494075	1.412580758
	ENSRGL000000009825	-	-	-1.891497115	-3.505958203	-2.445596272	2.063144902
	ENSRGL000000006632	FAM189A	family with sequence similarity 189 member A1 [Source:HGNC Symbol:Acc:HGNC:29075]	-2.835776305	-16.04110127	0.032521316	13.23835547
	ENSRGL000000011838	slc2a3b	solute carrier family 2 (facilitated glucose transporter), member 3b [Source:ZFIN:Acc:ZDB-GENE-121031-5]	-2.541991047	-5.251484045	1.944097701	4.64507948
	ENSRGL000000000717	-	-	0.39045508	-4.181440695	-0.78107236	3.791380171
	ENSRGL000000011521	-	-	0.904684098	-3.807140313	0.323245054	5.054366193
	ENSRGL000000005501	pqb5	pqb5/acy transposable element derived 5 [Source:ZFIN:Acc:ZDB-GENE-040724-229]	-0.4097947	-3.621949237	-3.621949237	2.791152923
	ENSRGL000000004294	acot7	acyl-CoA thioesterase 7 [Source:ZFIN:Acc:ZDB-GENE-040912-42]	-1.732594801	-4.052708945	-0.470202484	1.850286547
	ENSRGL000000005598	zmp000a	-	-2.267420263	-3.067427995	-0.285453259	5.015054934
	ENSRGL000000013178	-	-	1.068319922	-3.755262386	-0.944942706	3.230125288
	ENSRGL00000002388	-	-	0.965405977	-4.69465389	-0.673202562	4.787343689
	ENSRGL000000004876	nos1	nitric oxide synthase domain containing 1 protein [Source:ZFIN:Acc:ZDB-GENE-061013-657]	-2.47047724	-3.470149527	-2.47047724	3.49250276
	ENSRGL00000006655	-	-	-2.518102759	-16.6171021	-1.585535651	17.51397427
	ENSRGL000000001687	psat1	phosphoserine aminotransferase 1 [Source:ZFIN:Acc:ZDB-GENE-030131-5723]	-0.42180302	-4.77349896	-1.297272038	3.055301410
	ENSRGL000000008963	ABHD12B	ABHD12B, rhodopsin domain containing 12B [Source:HGNC Symbol:Acc:HGNC:19837]	1.149024615	-6.067029379	-1.888212708	3.52822454
	ENSRGL000000015862	htr1fb	5-hydroxytryptamine (serotonin) receptor 1fb [Source:ZFIN:Acc:ZDB-GENE-090312-140]	-2.250652079	-3.29552071	0.517633642	1.562944082
	ENSRGL000000014604	sich211	-	-1.366529801	-4.960573226	-4.960573226	2.28741998
	ENSRGL000000015028	-	-	3.993017468	-1.301421806	-3.37067352	1.92451241
	ENSRGL000000002997	fbp1a (1)	fructose-1,6-bisphosphatase 1 [Source:NCBI gene:Acc:101156922]	6.014616333	0.098184466	-4.298067133	1.626233741
	ENSRGL000000006776	sidkey-24	endonuclease domain-containing 1 protein [Source:NCBI gene:Acc:101189485]	5.76397077	0.108113808	5.156190978	5.099784205
	ENSRGL000000005025	-	-	5.614213954	1.399202546	-4.235434948	1.011263403
	ENSRGL000000013422	ARG1	arginase 1 [Source:HGNC Symbol:Acc:HGNC:663]	8.21032669	0.792388995	-5.797585446	0.838700314
	ENSRGL000000005655	ampd1	adenosine monophosphate deaminase 1 [Source:NCBI gene:Acc:10112409]	5.667454005	0.048686339	-3.071647635	2.584943599
	ENSRGL000000013959	apocornet1a	apolipoprotein A-I [Source:NCBI gene:Acc:101161189]	7.037270794	0.246122574	-3.	

	ENSRGLG00000003807	wap65-like	Oryzias latipes warm-temperature-acclimation-related-65 kDa protein-like protein (wap65-like), mRNA [Source:RefSeq; mRNA Acc:NM_001104852]	-1.898528422	-1.991386008	6.989099967	7.082441543
	ENSRGLG00000007791	43br91	membrane-associated ring finger (CHC4) 1 [Source:ZFIN; Acc:ZDB-GENE-081112-1]	0.829595654	0.750319243	3.066060424	3.145819053
	ENSRGLG00000002971	-	-	0.513226489	0.94928842	4.829559346	4.394005778
	ENSRGLG00000005868	ano9a	anoctamin 9a [Source:ZFIN; Acc:ZDB-GENE-071004-46]	11.69874373	12.37676301	4.805098925	4.12754752
	ENSRGLG00000006992	ttc21b	tetratricopeptide repeat domain 21B [Source:ZFIN; Acc:ZDB-GENE-031010-34]	-1.691201205	-0.788444288	3.960611225	3.058339077
	ENSRGLG00000004379	sic211-272n	protein kinase cAMP-dependent type II regulatory subunit beta [Source:HGNC; Symbol:AC:HGNC:8332]	3.430205847	2.319587192	3.002107207	3.11213516
	ENSRGLG00000002225	mf212b	sic211-10b2.1 [Source:ZFIN; Acc:ZDB-GENE-070913-9]	-3.55453559	-0.614236519	6.736306663	3.82399557
	ENSRGLG00000004674	dync2ii1	dyncin cytoplasmic 2, light intermediate chain 1 [Source:ZFIN; Acc:ZDB-GENE-040426-129]	-0.138596769	-0.425663618	4.647037912	4.647037912
	ENSRGLG00000002440	npy2ii	neuropeptide Y receptor 2Y, like [Source:ZFIN; Acc:ZDB-GENE-111115-4]	1.284922139	1.398631731	4.8424896	4.738260021
	ENSRGLG00000000792	ten1	TEN1 C57 complex subunit [Source:ZFIN; Acc:ZDB-GENE-030131-8755]	0.025953957	0.515874327	4.172529167	3.683093983
	ENSRGLG00000009047	-	-	-3.700568845	-0.03853596	8.12678022	4.464732001
	ENSRGLG00000009795	-	-	0	10.38730653	18.42067281	8.033785773
	ENSRGLG00000000448	-	-	-0.176824293	0.956395665	4.33451951	3.594484323
	ENSRGLG000000021693	-	-	1.906640528	4.003648961	6.55793137	4.461407885
	ENSRGLG000000012963	-	-	2.250530739	1.841975347	6.367800066	4.016718558
	ENSRGLG000000010576	cerkl	ceramide kinase-like [Source:ZFIN; Acc:ZDB-GENE-070410-38]	-0.024988177	-1.107430563	3.258207753	4.341139532
	ENSRGLG00000001896	katnal2	katanin p60 subunit A-like 2 [Source:ZFIN; Acc:ZDB-GENE-051113-156]	-0.711129247	0.0639032	4.948037276	4.173489926
	ENSRGLG000000011467	-	-	0.999306812	-0.438081634	4.44252685	5.880402296
	ENSRGLG000000013742	efhc2	EF-hand domain (C-terminal) containing 2 [Source:ZFIN; Acc:ZDB-GENE-031001-10]	4.82949192	0.020250707	5.587154246	10.39147865
	ENSRGLG000000012783	-	-	1.407894227	-1.464525781	3.895284964	6.768190305
	ENSRGLG000000012009	-	-	-0.92266425	2.94634703	7.587582243	6.02738942
	ENSRGLG00000005615	cock181	coiled-coil domain containing 181 [Source:ZFIN; Acc:ZDB-GENE-060503-312]	2.618839687	1.22064028	3.865515167	5.264236964
	ENSRGLG000000012090	-	-	0	10.65611198	15.794607	5.399778875
	ENSRGLG000000016424	fem167ab	family with sequence similarity 167 member A [Source:NCBI; gene:Acc:101170388]	0.112859029	-0.7127359828	3.103275323	3.951031735
	ENSRGLG000000016905	fmin1	formin 1 [Source:HGNC; Symbol:AC:HGNC:3788]	0.43927741	0.151323871	3.407935691	3.696374332
	ENSRGLG000000010421	-	-	0	11.75305793	16.41598433	4.66340222
	ENSRGLG000000009960	-	-	11.30538919	0	4.91560692	16.22148706
	ENSRGLG000000007306	-	-	-1.334939991	0.894959164	6.21795665	3.988542319
	ENSRGLG000000006851	ropn1l	rhophilin associated tail protein 1-like [Source:ZFIN; Acc:ZDB-GENE-040724-235]	4.065172602	1.785880802	4.777494308	5.07268149
	ENSRGLG00000005163	lgl1b	leucine-rich glioma inactivated 1b [Source:ZFIN; Acc:ZDB-GENE-060217-1]	3.932469742	1.536715183	3.385360391	5.761605293
	ENSRGLG000000012850	odf2	outer dense fiber protein 2 [Source:NCBI; gene:Acc:101172288]	1.48835769	-0.061003116	3.28893416	4.839679735
	ENSRGLG000000010401	PCGF3	polycomb group ring finger 3 [Source:NCBI; gene:Acc:10117923]	0.610225913	0.29974326	3.346539554	4.365395954
	ENSRGLG000000009021	lrrc18a	leucine rich repeat containing 18a [Source:ZFIN; Acc:ZDB-GENE-090313-323]	0	12.39123553	19.14544939	6.75468642
	ENSRGLG00000007321	ELMOD2	ELMO domain containing 2 [Source:HGNC; Symbol:AC:HGNC:28111]	0.622985923	1.445724716	4.597894724	3.77601518
	ENSRGLG000000008354	myzap	myocardial zonula adherens protein [Source:ZFIN; Acc:ZDB-GENE-041111-91]	-0.504952683	-0.31460266	3.655790894	3.655790894
	ENSRGLG000000016142	ankle1a	ankyrin repeat and EF-hand domain containing 1a [Source:ZFIN; Acc:ZDB-GENE-041001-196]	2.964870961	0.110836092	3.155961116	6.010481216
	ENSRGLG000000016026	zfp110366	zfp110366 [Source:ZFIN; Acc:ZDB-GENE-050417-302]	0.789167075	1.832760627	4.53857215	3.495467217
	ENSRGLG00000001899	ccdc40	coiled-coil domain containing 40 [Source:ZFIN; Acc:ZDB-GENE-060503-723]	-0.603262786	-1.683994214	3.983397427	5.064613922
	ENSRGLG00000009699	KIAA1549l	KIAA1549 like [Source:HGNC; Symbol:AC:HGNC:24838]	-0.164698957	-0.88680876	3.78327998	4.51588251
	ENSRGLG000000017613	-	-	0	11.37427334	17.84422125	6.470422944
	ENSRGLG000000007096	rfsank	regulatory factor X-associated ankyrin-containing protein [Source:ZFIN; Acc:ZDB-GENE-050208-596]	-0.019193591	0.080758376	3.108415572	3.008948223
	ENSRGLG000000010634	-	-	1.206772076	-0.898087263	3.817272748	5.922616732
	ENSRGLG000000016572	IFT43	intraflagellar transport 43 [Source:HGNC; Symbol:AC:HGNC:29669]	-0.693143175	0.430829467	5.237221529	4.113733887
	ENSRGLG00000007358	bnip1a	BCL2 interacting protein 1a [Source:ZFIN; Acc:ZDB-GENE-081107-44]	-3.201888369	1.615830913	7.83542033	3.018200484
	ENSRGLG000000006167	-	-	1.039938998	0.452098965	6.151972974	6.740309994
	ENSRGLG000000011661	rfs2	intraflagellar transport 52 [Source:NCBI; gene:Acc:101183244]	2.506574804	0.300283689	3.38788578	5.594661759
	ENSRGLG00000007095	-	-	2.251809441	0.011965682	4.391573297	5.91002299
	ENSRGLG00000005291	nme5	NME/NUM2 family member 5 [Source:NCBI; gene:Acc:101182299]	-1.608791133	0.09667457	6.438607952	4.73364128
	ENSRGLG000000017228	s1-zfos-223e1.2	s1-zfos-223e1.2 [Source:ZFIN; Acc:ZDB-GENE-110411-269]	1.069650024	-0.101179444	6.321358948	7.492675211
	ENSRGLG000000010110	-	-	11.2942359	11.16150353	9.714418193	9.847363630
	ENSRGLG00000003197	claf52	clia and flagella associated protein 52 [Source:ZFIN; Acc:ZDB-GENE-050202-296]	2.616698047	1.732002081	5.199965894	6.085147921
	ENSRGLG000000007010	yfpn3	YfpN-terminal domain containing 3 [Source:ZFIN; Acc:ZDB-GENE-050208-755]	13.64087417	13.1436128	3.746220417	4.243950103
	ENSRGLG000000006353	fadk2.1 (of ma	fatty acid desaturase 2 [Source:NCBI; gene:Acc:101156321]	11.98309949	0	5.483546137	17.4678452
	ENSRGLG000000010882	-	-	1.481133038	1.149487496	3.269073221	3.601203769
	ENSRGLG000000016096	-	-	0	15.7748457	15.7748457	15.7748457
	ENSRGLG000000014069	serpin1c	serpin family C member 1 [Source:NCBI; gene:Acc:101170998]	0.979473954	-0.68152649	5.990490876	7.651901859
	ENSRGLG00000005926	wdr66	WD repeat domain 66 [Source:ZFIN; Acc:ZDB-GENE-060526-328]	2.28270465	-0.890442992	8.23068402	11.40435047
	ENSRGLG000000021663	-	-	2.74579839	2.165744769	7.231574513	7.182108215
	ENSRGLG000000031002	PK3R6	phosphoinositide-3-kinase regulatory subunit 6 [Source:HGNC; Symbol:AC:HGNC:27101]	-0.084632422	-0.75265933	3.470701743	4.13912328
	ENSRGLG00000005126	-	-	3.956645431	1.165535719	4.366677445	7.150267422
	ENSRGLG000000011990	-	-	13.67309813	11.63218641	6.44017005	8.48151446

	ENSRGLG000000002084	prss35	protease, serine, 35 [Source:ZFIN; Acc:ZDB-GENE-040704-55]	4.465405264	0.59120549	-3.250757889	0.623927177
	ENSRGLG000000013980	gata-1	Oryzias latipes hematopoietic transcription factor GATA-1 (gata-1), mRNA [Source:RefSeq; mRNA Acc:NM_001104852]	6.60908277	1.302513202	4.30097474	1.006088682
	ENSRGLG000000016335	gdkwv-19	gdkwv-194e4.1 [Source:ZFIN; Acc:ZDB-GENE-100922-2]	6.087917405	-0.72014201	-9.99051405	2.818212724
	ENSRGLG000000018482	fh2b	four and a half LIM domains 2b [Source:ZFIN; Acc:ZDB-GENE-041010-121]	4.040670879	-0.689022887	-3.951841921	0.778350052
	ENSRGLG000000016164	-	-	4.533368544	-13.64884177	-4.651719264	13.53100124
	ENSRGLG000000009396	-	-	4.899620832	-2.99257098	-3.13001121	4.16266366
	ENSRGLG000000017031	hoxb13a	homeobox B13a [Source:ZFIN; Acc:ZDB-GENE-050812-1]	6.145051628	-0.069145045	-3.197172769	3.017508598
	ENSRGLG000000021111	-	-	4.103100826	-11.72168499	-3.21497014	12.61280631
	ENSRGLG000000021213	boka	BOK, BCL2 family apoptosis regulator A [Source:ZFIN; Acc:ZDB-GENE-040801-131]	2.726668805	-0.75725236	-3.83064886	0.346142638
	ENSRGLG000000010566	-	-	4.51575064	0.965031094	-3.058117047	4.92087143
	ENSRGLG000000013646	-	-	3.892381887	2.50148212	-7.770044011	2.389305131
	ENSRGLG000000014950	ofmlm3b	off-on-line metallopeptidase 3 [Source:ZFIN; Acc:ZDB-GENE-040801-131]	4.651016141	0.082959802	-3.830075408	0.378466066
	ENSRGLG000000017149	igf3p1	insulin like growth factor binding protein 3 [Source:HGNC; Symbol:AC:HGNC:5477]	3.853169143	1.51851508	-5.574789562	1.227709862
	ENSRGLG000000017727	nox1	NADPH oxidase activator 1 [Source:ZFIN; Acc:ZDB-GENE-050913-39]	1.931882641	1.771033611	-3.310705235	-3.149373041
	ENSRGLG000000005424	cdh16	cadherin 16, KSP-cadherin [Source:ZFIN; Acc:ZDB-GENE-140106-140]	4.914190717	0.968398713	-6.602845505	0.342432165
	ENSRGLG00000001358	-	-	5.005252235	-2.632972238	-6.283797586	1.350609131
	ENSRGLG000000012084	fnr3	fnTRIM family, member 83 [Source:ZFIN; Acc:ZDB-GENE-031002-11]	3.461453107	-0.435713717	-3.052678224	0.845022713
	ENSRGLG000000017214	ifit1	interferon alpha-inducible protein 27-like protein 2 [Source:NCBI; gene:Acc:101155539]	6.441977174	1.869637057	-3.139648676	1.433174934
	ENSRGLG000000012589	foxcl1	Oryzias latipes forkhead box C1 (foxcl), mRNA [Source:NCBI; gene:Acc:101170144]	5.695111848	-0.314818687	-5.601418578	0.409896984
	ENSRGLG0000000239	sncg1	sncg1 [Source:ZFIN; Acc:ZDB-GENE-040801-131]	17.41584374	12.50029168	-0.31052491	1.89676639
	ENSRGLG00000000239	slc34a2b	large neutral amino acid transporter small subunit 4 [Source:NCBI; gene:Acc:101173728]	7.645589271	3.414551359	-3.736707010	6.484820197
	ENSRGLG00000001955	-	-	5.444736743	1.324467199	-3.324295467	0.796458917
	ENSRGLG00000007217	MEP1B	meprin A subunit beta [Source:HGNC; Symbol:AC:HGNC:7020]	3.770305076	1.543532208	-3.358383278	1.128380630
	ENSRGLG000000012539	klf17	Kruppel-like factor 17 [Source:ZFIN; Acc:ZDB-GENE-010209-1]	6.730845105	-11.31815299	-6.508303014	11.45647763
	ENSRGLG000000002682	slc12a1	Kruppel-like factor 12 (sodium/potassium/chloride transporter), member 1 [Source:ZFIN; Acc:ZDB-GENE-080130-3]	5.744249129	0.135524002	-3.207883092	2.401326885
	ENSRGLG000000010977	ENPP7	ectonucleotide pyrophosphatase/phosphodiesterase family member 7 [Source:NCBI; gene:Acc:101173468]	4.923709544	-7.438820311	-4.426561328	7.936477616
	ENSRGLG000000040055	-	-	7.639288025	-1.329668306	-4.847301523	4.176136129
	ENSRGLG000000003113	lygi2	lysozyme g-like 2 [Source:ZFIN; Acc:ZDB-GENE-090917-1]	5.685368891	1.487572301	-3.276946994	0.921344511
	ENSRGLG00000010881	acta1	Oryzias latipes actin, alpha 1, skeletal muscle (acta1), mRNA [Source:RefSeq; mRNA Acc:NM_001048061]	5.927846049	-0.472017251	-6.68783216	-0.28748387
	ENSRGLG000000014020	-	-	17.89539351	10.05765334	-3.864945716	3.968719399

		ENSRORG0000012826	mapk15	mitogen-activated protein kinase 15 [Source:ZFIN;Acc:ZDB-GENE-059522-307] leucine rich repeat containing 9 [Source:HGNC Symbol;Acc:HGNc19848]	3.343802499	0.200877663	4.894480177	8.027888269
		ENSRORG0000015805	LRRc3		11.5322098	10.75939722	5.155751759	5.929031261
		ENSRORG0000018250	-		1.687997562	-1.571293099	3.10707055	3.666844472
		ENSRORG0000005899	-		12.51895799	0	4.651658694	17.17110847
		ENSRORG0000005465	ndc80	NDC80 kinetochore complex component [Source:ZFIN;Acc:ZDB-GENE-030131-304] Oryzias latipes neuroigin 3b (nlgn3b), mRNA [Source:RefSeq mRNA;Acc:NM_001201508]	-0.802445205	0.093836737	4.152380727	3.256683786
		ENSRORG0000009580	nlgn3b	Oryzias latipes neuroigin 3b (nlgn3b), mRNA [Source:RefSeq mRNA;Acc:NM_001201508]	5.118025165	2.058656353	4.102961064	7.162793563
		ENSRORG0000006898	tmprss12	transmembrane protease serine 11D [Source:NCBI gene;Acc:101163815]	3.342084193	2.19451699	5.187130254	6.335183366
		ENSRORG0000012659	-		12.01659591	10.17525013	3.82948946	5.671302951
		ENSRORG0000001528	lam161a	family with sequence similarity 161, member A [Source:ZFIN;Acc:ZDB-GENE-110310-11]	-0.186818947	-3.216333385	4.544198515	7.574198429
		ENSRORG00000008394	-		0.338970307	-1.611834244	3.664349573	5.615639243
		ENSRORG00000014431	-		-11.7910005	2.320575781	18.05106234	3.939800033
		ENSRORG00000003798	-		-1.109135071	1.496233159	6.66331024	4.058427995
		ENSRORG00000003542	-		5.092445731	2.17425737	4.519120656	7.437790903
		ENSRORG00000008244	srckey_3016	synovectomin [Source:NCBI gene;Acc:101165138]	2.000775043	0.465279566	4.113886713	5.64866814
		ENSRORG00000012645	-		14.48112143	0	3.60431571	13.08592890
		ENSRORG0000015836	gabrb3	gamma-aminobutyric acid (GABA) A receptor, beta 3 [Source:ZFIN;Acc:ZDB-GENE-101102-2]	0.199941292	-0.814484341	5.526551136	5.641463725
		ENSRORG0000016648	VASH1	vasohitin 1 [Source:HGNC Symbol;Acc:HGNc19964]	2.752077936	0.478200109	3.577782708	5.854150839
		ENSRORG00000001515	-		0	11.2399663	16.69748758	5.457984163
		ENSRORG00000021025	RF00004	U2 spliceosomal RNA [Source:NCBI gene;Acc:111948530]	-0.997361427	0.503152328	7.337899258	5.837616151
		ENSRORG0000018074	lamma	lamin A propeptide inhibitory molecule a [Source:ZFIN;Acc:ZDB-GENE-040718-323]	0.079912872	-0.238738185	3.857741273	4.176877041
		ENSRORG00000051979	-		-0.766313446	1.219485196	5.00846085	3.075523288
		ENSRORG00000010412	-		0	11.58795093	16.18172084	4.594243252
		ENSRORG0000011835	C13orf42	uncharacterized LOC105356783 [Source:NCBI gene;Acc:105356783]	12.2499845	0	4.902681295	17.15315655
		ENSRORG0000001237	-		14.68263639	10.22633994	4.63383982	9.99603069
		ENSRORG0000021684	-		1.30876893	2.322030769	5.58965641	4.575862758
		ENSRORG0000012964	-		0.271589972	-0.798228142	4.349494937	5.420250545
		ENSRORG0000011543	spata17	spermatogenesis associated 17 [Source:ZFIN;Acc:ZDB-GENE-11124-1]	0.137146346	-13.336653	5.946524839	18.97830262
		ENSRORG0000021620	-		1.882847172	-0.202426483	3.14777265	5.23536166
		ENSRORG0000017759	ghhra	growth hormone releasing hormone receptor a [Source:ZFIN;Acc:ZDB-GENE-050315-2]	0.795021855	-0.001457198	4.085005057	4.881968947
		ENSRORG00000004847	adal	adenosine deaminase-like [Source:ZFIN;Acc:ZDB-GENE-050913-145]	-0.20921279	0.372659638	3.672996565	3.091609054
		ENSRORG00000000176	-		1.390940685	0.518509421	6.044829284	6.917743394
		ENSRORG0000010304	efcab7	EF-hand calcium binding domain 7 [Source:NCBI gene;Acc:101154938]	-0.084926385	-0.08483363	3.75003478	3.753396365
		ENSRORG00000010901	nicot1	nicotinic [Source:NCBI gene;Acc:101161020]	1.536772833	-0.494034617	3.705100756	5.793399486
		ENSRORG0000005866	uk4	unc-51 like kinase 4 [Source:ZFIN;Acc:ZDB-GENE-100922-243]	13.18645475	10.92436716	5.831252815	6.093801079
		ENSRORG0000010104	wdr54	WD repeat domain 54 [Source:NCBI gene;Acc:101162217]	1.545116508	0.201060986	4.325708887	5.67024884
		ENSRORG00000003605	NT5C3B (1 of 5)	5-nucleotidase, cytosolic 11B [Source:HGNC Symbol;Acc:HGNc28300]	-0.722723521	-0.309244835	3.80627133	3.393277618
		ENSRORG00000007505	pyot1ba	phosphate cytidylyltransferase 1, choline, beta [Source:NCBI gene;Acc:101166014] retinoid receptor 9 [Source:HGNC Symbol;Acc:HGNc29585]	1.921598149	-10.9580808	3.299611625	16.17972408
		ENSRORG00000008566	TDX9		0.380564865	-0.069127268	9.503300826	9.953482739
		ENSRORG00000006342	-		2.251309536	-0.430164844	3.934154685	6.616711086
		ENSRORG00000009025	knip3b	Kv channel interacting protein 3b, calseinin [Source:ZFIN;Acc:ZDB-GENE-040426-1752]	0	13.33493472	16.34771513	10.31352021
		ENSRORG0000010958	-		-12.35683708	-0.733688969	15.90788008	4.284918043
		ENSRORG00000005158	-		2.626685947	0.954122219	3.819075525	5.492123181
		ENSRORG0000010598	-		15.2498949	12.15918703	3.64304516	6.734223201
		ENSRORG00000007694	-		0	11.54400328	15.62719301	4.083662322
WTT vs WTO	1945	ENSRORG00000002393	aplp2	amyloid beta (A4) precursor-like protein 2 [Source:ZFIN;Acc:ZDB-GENE-061039-28]	3.318780979	0.342371246	-2.441628181	0.535266342
		ENSRORG0000012907	dsr1	discoidin domain receptor tyrosine kinase 1 [Source:ZFIN;Acc:ZDB-GENE-060323-2]	4.52709617	2.282370136	-0.436485284	1.808720174
		ENSRORG00000003427	dysf1	dysferlin, limb girdle muscular dystrophy 2B (autosomal recessive) [Source:ZFIN;Acc:ZDB-GENE-070501-1]	3.973765331	1.433126937	1.433126937	1.478001881
		ENSRORG0000010507	myoz1b	myozenin 1b [Source:ZFIN;Acc:ZDB-GENE-040718-146]	6.054058378	0.956559368	-1.174008301	3.923969921
		ENSRORG0000011813	tcf7l1	Oryzias latipes transcription factor 7 like 1 (tcf7l1), mRNA [Source:RefSeq mRNA;Acc:NM_001252248]	3.815829685	1.50430826	-0.837572186	1.475154401
		ENSRORG0000002997	fbpa1a (1 of 4)	fructose-1,6-bisphosphatase 1 [Source:NCBI gene;Acc:101156992]	6.014616333	0.098184466	-4.290618473	1.626233741
		ENSRORG0000015869	-		3.741877638	0.704733061	-2.206320929	0.831302929
		ENSRORG00000000338	pcrpb	prolactin receptor b [Source:ZFIN;Acc:ZDB-GENE-070705-155]	3.180821458	0.266799915	-9.293807196	0.510930604
		ENSRORG00000006776	srckey_243k1	endonuclease domain-containing 1 protein [Source:NCBI gene;Acc:101169485]	5.76360777	0.108113808	-5.146194058	-0.009784825
		ENSRORG00000004097	ROBO2	roundabout guidance receptor 2 [Source:HGNC Symbol;Acc:HGNc10250]	3.592276173	1.631865765	-0.474008906	1.487068639
		ENSRORG0000017694	map3k5	mitogen-activated protein kinase kinase 5 [Source:ZFIN;Acc:ZDB-GENE-030827-3]	3.180160968	0.318152516	-2.44476452	0.41772881
		ENSRORG0000014328	-		4.641407538	2.648002418	-2.477954098	-0.484064325
		ENSRORG0000013959	-		7.003727024	-3.958060431	2.298027252	0.50927252
		ENSRORG0000017374	gata4	GATA binding protein 4 [Source:ZFIN;Acc:ZDB-GENE-380526-476]	3.904115067	2.744287533	-0.360730135	0.799581474
		ENSRORG00000021472	RF00090	small nuclear RNA SNORA74 [Source:NCBI gene;Acc:111948088]	3.996880456	0.773266631	-1.2339749	1.99123855
		ENSRORG00000020321	fdz6	frizzled class receptor 6 [Source:ZFIN;Acc:ZDB-GENE-040426-1451]	3.172177999	1.770710854	0.12948439	1.531496448
		ENSRORG00000003028	-		4.470196065	1.890296903	-0.864399333	1.716074917
		ENSRORG00000004949	thbs4b	thrombospondin 4b [Source:ZFIN;Acc:ZDB-GENE-020708-4]	4.547412772	-0.654813907	-3.710113861	1.492597664

		ENSRORG00000002431	-					
		ENSRORG0000017608	cx32.3	connexin 32.3 [Source:ZFIN;Acc:ZDB-GENE-030131-1337]	6.48928282	0.411086148	-5.398384259	0.682297762
		ENSRORG00000003862	fn1b	fibronectin 1b [Source:ZFIN;Acc:ZDB-GENE-030131-655]	4.865396579	0.413072311	-3.893565318	0.559213809
		ENSRORG000000008567	airp71-68	#171-68n219 [Source:ZFIN;Acc:ZDB-GENE-081105-100]	4.100083205	0.281462034	-8.834292336	-0.555187973
		ENSRORG00000002426	zpc:1159z	zpc:1159z [Source:ZFIN;Acc:ZDB-GENE-080220-231]	7.708080521	3.386089241	-6.959898964	-2.739417255
		ENSRORG00000000501	-		5.903923266	0.508623717	-6.00682356	-0.610799074
		ENSRORG0000016428	-		6.183049761	1.57612217	-4.810948029	-0.203536051
		ENSRORG00000009643	MAF	MAF E2F transcription factor [Source:HGNC Symbol;Acc:HGNc6776]	5.840618636	-0.473800594	-3.313495165	3.001297445
		ENSRORG0000007902	hmc12a	homeobox protein Hox-C12a [Source:NCBI gene;Acc:101173058]	3.866480597	0.075003798	-4.468793712	-0.676830569
		ENSRORG00000003247	foxd1	Oryzias latipes foxhead box D1 (foxd1), mRNA [Source:RefSeq mRNA;Acc:NM_001604521]	15.69788521	10.28146644	-5.462715463	-0.045834351
		ENSRORG00000016373	twist3	Oryzias latipes twist-related protein 2-like (LOC101163973), mRNA [Source:RefSeq mRNA;Acc:NM_001339017]	5.648500059	-2.4557753	-4.61393852	3.490829665
		ENSRORG00000005075	deop1	dieneptidase 1 [Source:ZFIN;Acc:ZDB-GENE-061013-388]	6.278980683	-2.246700287	-6.30759353	3.888719046
		ENSRORG00000000213	cldn1	claudin 1 [Source:ZFIN;Acc:ZDB-GENE-010328-9]	7.015869857	1.735556816	-5.86301023	-0.582199188
		ENSRORG00000002396	FBLN1 (1)	fibulin 1 [Source:HGNC Symbol;Acc:HGNc3600]	3.973990209	0.532417758	-4.006266771	-0.564106897
		ENSRORG0000013582	trvisn.2	trvisn.2 [Source:NCBI gene;Acc:101161921]	7.498538011	1.546698853	-6.370625912	-0.418051677
		ENSRORG0000016784	RG56	regulator of G protein signaling 6 [Source:HGNC Symbol;Acc:HGNc19002]	2.234070787	-0.636667212	-3.78465236	-0.913429239
		ENSRORG00000000487	ep8f3a	EP8f3a like 3a [Source:ZFIN;Acc:ZDB-GENE-091204-460]	4.300571721	-1.093588391	-3.29049925	2.104145709
		ENSRORG00000000858	pitx1	paired-like homeodomain 1 [Source:ZFIN;Acc:ZDB-GENE-060421-3623]	5.305718698	0.429706529	-3.159373984	1.717124567
		ENSRORG00000002303	-		6.78994368	10.96260686	-3.872655377	1.86515079
		ENSRORG0000017946	apoda2	apodoprotein D-like [Source:NCBI gene;Acc:101167573]	8.428454749	3.278659	-20.60613079	-15.45624896
		ENSRORG0000010290	poicea	procollagen C-endopeptidase enhancer a [Source:ZFIN;Acc:ZDB-GENE-041014-370]	4.604069371	1.623797028	-4.148510213	-1.167752824
		ENSRORG0000011244	ank1b	ankyrin 1, erythrocytic b [Source:ZFIN;Acc:ZDB-GENE-091113-6]	5.531184224	-7.573896238	-8.015517362	4.000068833
		ENSRORG0000010562	-		3.984543836	0.323846136	-3.833968617	-0.17726674
		ENSRORG0000018030	HMOX2 (1)	hemoxylin A2 [Source:HGNC Symbol;Acc:HGNc5103]	5.113148006	2.548746231	-3.48671471	-0.83052005
		ENSRORG00000000987	kdh	vanthine dehydrogenase [Source:ZFIN;Acc:ZDB-GENE-070719-9]	5.830762083	1.75615232	-3.137763498	0.937361201
		ENSRORG0000014439	CEL	bile salt-activated lipase [Source:NCBI gene;Acc:101172470]	5.58024666	-1.387756817	-3.42916416	3.42916416
		ENSRORG0000010528	-		6.104418832	1.656494649	-4.898853562	-0.405995808
		ENSRORG00000003253	patm	glycine amidinotransferase (L-arginine glycine amidinotransferase) [Source:ZFIN;Acc:ZDB-GENE-021015-1]	1			

ENSRORG0000015095	prpf39	PRP39 pre-mRNA processing factor 39 homolog (yeast) [Source:ZFIN;Acc:ZDB-GENE-030616-420]	3.680010812	1.380407899	-0.448131495	1.851956188
ENSRORG0000017918	ackr4a	physical chemokine receptor 4a [Source:ZFIN;Acc:ZDB-GENE-073001-6]	3.406551601	2.250724654	-1.387254212	-0.230942429
ENSRORG0000012666	hpcal1	hippocalin-like protein 1 [Source:NCBI gene;Acc:101171795]	4.268542979	2.308399373	0.4734192	2.434048622
ENSRORG0000013166	fgl2a	fibrinogen-like 2a [Source:ZFIN;Acc:ZDB-GENE-030131-9560]	4.062427488	1.763563423	-2.283990549	0.01553771
ENSRORG0000003107	lfox1	Oryzias latipes forkhead box O1 (lfox1), mRNA [Source:RefSeq mRNA;Acc:NM_00166464]	3.084425391	0.309850632	-2.092273372	0.682785875
ENSRORG0000014196	cdh10a	protodanherin 10a [Source:ZFIN;Acc:ZDB-GENE-020731-1]	3.895698429	0.58829073	-1.723411701	1.584143905
ENSRORG0000007245	mrv1	murine retrovirus integration site 1 homolog [Source:ZFIN;Acc:ZDB-GENE-120221-4]	3.400419307	1.169915452	0.446684778	2.677853388
ENSRORG0000010593	zan1	zonadhesin, like [Source:ZFIN;Acc:ZDB-GENE-060131-2]	5.732969331	-1.58705448	-4.623218465	2.69731147
ENSRORG00000021760	-	-	4.334080371	1.057189155	-0.953579993	2.323798203
ENSRORG0000015797	srgap2	SLIT-ROBO Rho GTPase activating protein 2 [Source:ZFIN;Acc:ZDB-GENE-060915-9]	3.041644811	1.29789519	-1.13073343	0.631161196
ENSRORG0000016997	ipl	lipoprotein lipase [Source:ZFIN;Acc:ZDB-GENE-990415-138]	3.205364917	0.732280669	-1.142948885	1.330622172
ENSRORG0000014825	-	-	6.108155378	2.433089903	-0.702627192	2.915278788
ENSRORG0000005129	gfrt2	glutamine-fructose-6-phosphate transaminase 2 [Source:ZFIN;Acc:ZDB-GENE-071113-11]	5.066022869	-0.239634028	-4.0819431	1.224237919
ENSRORG0000008092	znc175248	znc175248 [Source:ZFIN;Acc:ZDB-GENE-080204-89]	3.449742108	-1.380591884	-0.891175265	3.939642917
ENSRORG0000013386	-	-	6.789547218	3.091747188	-6.187850116	-0.48861011
ENSRORG0000015566	-	-	3.235061468	1.147132545	-0.838459493	0.965740054
ENSRORG0000016706	lam120c	family with sequence similarity 120C [Source:ZFIN;Acc:ZDB-GENE-080313-228]	3.478525903	0.68711009	-1.53167500	1.02869024
ENSRORG0000008293	cryp1a	cysteine and glycine-rich protein 1a [Source:ZFIN;Acc:ZDB-GENE-030909-4]	4.153165039	2.53471335	1.300076372	2.920255337
ENSRORG0000012154	rbm38	RNA binding motif protein 38 [Source:ZFIN;Acc:ZDB-GENE-030131-5923]	4.061509811	1.80926718	-3.788687811	-1.535959873
ENSRORG0000004786	pdgfr	platelet-derived growth factor receptor, beta [Source:ZFIN;Acc:ZDB-GENE-030905-2]	3.102661884	2.057953473	-1.682373215	-0.637043821
ENSRORG0000003229	prickle1a	prickle homolog 1a [Source:ZFIN;Acc:ZDB-GENE-030724-5]	3.631051088	2.016885028	-0.899594656	0.715059907
ENSRORG0000015184	dusp5	dual specificity phosphatase 5 [Source:ZFIN;Acc:ZDB-GENE-010625-1]	5.425136084	2.049056472	-1.21237937	2.164187027
ENSRORG0000004772	gna14	guanine nucleotide-binding protein subunit alpha-11 [Source:NCBI gene;Acc:101168134]	3.050439658	1.011527068	0.362541801	2.401939253
ENSRORG0000004564	hnf1ba	HNF1 homeobox B [Source:ZFIN;Acc:ZDB-GENE-020104-1]	6.613013984	0.352690718	-3.852870183	2.407935855
ENSRORG0000012339	lam84b	family with sequence similarity 84, member B [Source:ZFIN;Acc:ZDB-GENE-080929-119]	3.48898438	0.786395413	-1.107404085	1.596880372
ENSRORG0000011475	sc29a3	transcription, member 3 [Source:ZFIN;Acc:ZDB-GENE-081107-46]	3.412717657	0.69080187	-2.122735475	0.599665645
ENSRORG0000017465	cx3c.4	connexin 35.4 [Source:ZFIN;Acc:ZDB-GENE-050417-107]	5.172718361	0.310958033	-2.094058033	2.768188321
ENSRORG0000016323	-	-	5.8846829	1.602977613	-2.481501706	1.800681392
ENSRORG0000014817	PTPFR	protein tyrosine phosphatase, receptor type 5 [Source:HGNC Symbol;Acc:HGNC:3661]	3.733122641	0.204169294	-0.855172811	0.673728359
ENSRORG0000009594	ovalb1 (1 of 2)	ovalbumin 1 [Source:ZFIN;Acc:ZDB-GENE-040625-57]	6.567006946	1.641268733	-4.447429873	0.478793284
ENSRORG0000009499	TMEM100	transmembrane protein 100 [Source:NCBI gene;Acc:101174190]	4.759468997	0.622771253	-3.014621936	1.122651934
ENSRORG0000008991	EPHA4	EPH receptor A4 [Source:HGNC Symbol;Acc:HGNC:3388]	3.909653984	1.854799294	-1.172746344	3.028094062
ENSRORG0000016108	tuba8f3	tubulin alpha-1A chain-like [Source:NCBI gene;Acc:101168346]	3.234411958	2.333917959	0.347629593	1.24860952
ENSRORG0000001797	tnrc2	tropomyosin C, skeletal muscle [Source:ZFIN;Acc:ZDB-GENE-101171829]	4.066024637	-0.153793838	-3.965722921	0.254802825
ENSRORG0000003311	-	-	4.311529836	-0.166456988	-1.917506434	2.570905434
ENSRORG0000014507	wf13ba	winged family member 13Ba [Source:ZFIN;Acc:ZDB-GENE-070521-1]	4.340947751	1.903995295	-0.644082141	1.79335438
ENSRORG0000008367	prom2	prominin 2 [Source:ZFIN;Acc:ZDB-GENE-080723-16]	3.509035725	2.650896475	-0.477793835	-
ENSRORG0000004396	hsp1	HMG-box transcription factor 1 [Source:ZFIN;Acc:ZDB-GENE-050522-414]	4.000994126	1.804249184	0.13842785	2.335657431
ENSRORG0000012739	dec1a	Oryzias latipes DLH1 protein DEC1a (dec1a), mRNA [Source:RefSeq mRNA;Acc:NM_001104731]	3.070121004	1.25596741	-1.66507323	0.149560953
ENSRORG0000007659	batk1a	BAH domain and coiled-coil containing 1a [Source:ZFIN;Acc:ZDB-GENE-170301-1]	3.69989242	2.148832769	-0.614433727	0.936304162
ENSRORG0000011589	-	-	6.87448947	2.1466698497	-1.466602877	3.199574123
ENSRORG0000002751	-	-	4.466840812	1.514237337	-3.656678047	-0.703588966
ENSRORG0000006744	-	-	4.642196353	1.968179414	-0.27319517	2.401310599
ENSRORG0000013773	NTF3C8 (1 of 5)	5'-nucleotidase, cytosolic 11B [Source:HGNC Symbol;Acc:HGNC:78300]	4.545861772	2.062058679	0.397641193	2.881931887
ENSRORG0000011260	-	-	16.52339365	12.01494453	-4.659374242	-0.149023062
ENSRORG0000012204	infrs1a	tumor necrosis factor receptor superfamily, member 1a [Source:ZFIN;Acc:ZDB-GENE-040626-2923]	4.171160794	2.739640142	0.7492732	2.14932378
ENSRORG0000003459	saem1b	SAC1 like phosphatidylinositol phosphatase b [Source:ZFIN;Acc:ZDB-GENE-070112-547]	3.290494605	1.577483136	-0.771023999	0.942472634
ENSRORG0000009143	SPOCK2	SPOCK (osteonectin), ovine and kazal like domains proteoglycan 2 [Source:HGNC Symbol;Acc:HGNC:13564]	4.886831932	0.681794482	-3.289486626	0.916032911
ENSRORG0000015101	slc13a3	solute carrier family 13 member 3 [Source:NCBI gene;Acc:101173224]	5.454241525	-2.10344218	-3.120776117	4.437278924
ENSRORG0000017338	apocd1	apolipoprotein D [Source:NCBI gene;Acc:101167075]	5.082045188	2.03372608	-4.616334186	-1.567529338
ENSRORG0000013603	tryp	Oryzias latipes trypsinogen (tryp), mRNA [Source:RefSeq mRNA;Acc:NM_001104900]	6.722881284	1.892860411	-6.321638049	-0.591130368
ENSRORG0000013980	gata-1	Oryzias latipes hematopoietic transcription factor GATA-1 (gata-1), mRNA [Source:RefSeq mRNA;Acc:NM_001104885]	6.608908277	1.30251302	-4.30097476	1.006098882
ENSRORG0000004873	rasa3	RAS G21 protein activator 3 [Source:ZFIN;Acc:ZDB-GENE-090313-21]	3.761048586	1.61087599	-1.048830156	1.101826997
ENSRORG0000009847	smnl1	smoothened, like [Source:ZFIN;Acc:ZDB-GENE-040212-11]	3.188577859	2.242526653	-3.174968847	-0.610433112
ENSRORG0000002057	neu1	neuraminidase 1 [Source:ZFIN;Acc:ZDB-GENE-080503-859]	3.385000873	0.263535423	-2.58200502	0.565749848
ENSRORG0000008046	efn2	endothelin 2 [Source:ZFIN;Acc:ZDB-GENE-060503-774]	3.690352906	2.384006495	-1.312852921	-0.062021174
ENSRORG0000007442	hgd	homogentisate 1,2-dioxygenase [Source:NCBI gene;Acc:101170627]	4.048000948	0.350752572	-1.239343413	2.458389868
ENSRORG0000016335	slc14ey-1946e	slc14ey-1946e.1 [Source:ZFIN;Acc:ZDB-GENE-100922-43]	6.087947655	-0.72014281	-3.993051405	2.818251224
ENSRORG0000011153	-	-	3.804554596	2.00354915	1.051118716	2.852699374
ENSRORG0000008813	wnt5a	wingless-type MMTV integration site family, member 5a [Source:ZFIN;Acc:ZDB-GENE-060329-3]	4.427720753	1.084308089	-1.84701384	1.486969355
ENSRORG0000011430	ptp1b	polyphosphatase 1 [Source:NCBI gene;Acc:101165926]	3.270733471	0.678377983	0.114302256	2.707142679

ENSRORG0000017041	HOBX5 (1)	homeobox B5 [Source:HGNC Symbol;Acc:HGNC:5116]	5.17301842	1.58571786	-4.858580005	-1.268072783
ENSRORG0000017492	sp9	Sp9 transcription factor [Source:NCBI gene;Acc:101162490]	5.492717124	-0.137475663	-3.0489747	2.581702422
ENSRORG0000004788	ppargc1a	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha [Source:ZFIN;Acc:ZDB-GENE-080505-1]	5.857486152	-1.218823043	-3.002275632	4.07451885
ENSRORG0000017013	col1	collagen type I alpha 1 [Source:NCBI gene;Acc:101444868]	5.191811628	2.204410913	-3.977964656	-0.950079044
ENSRORG0000004326	typ1a	tyrosinase-related protein 1a [Source:ZFIN;Acc:ZDB-GENE-070718-21]	4.948163131	0.360301499	-3.143251459	1.445049707
ENSRORG00000005033	slc34a1a	solute carrier family 34 type II sodium/phosphate cotransporter, member 1a [Source:ZFIN;Acc:ZDB-GENE-101006-3]	6.094690887	0.354673694	-6.93282838	-1.192757079
ENSRORG00000005297	gpc3	Oryzias latipes hemoglobin embryonic unit alpha-like (LOC101155300), mRNA [Source:RefSeq mRNA;Acc:NM_001278888]	8.600170769	2.956423589	-3.487102863	2.172666804
ENSRORG00000015202	adams15	ADAM metalloproteinase with thrombospondin type 1 motif, 15h [Source:ZFIN;Acc:ZDB-GENE-070814-5]	4.657183288	1.342555331	-3.805973502	-0.48080161
ENSRORG00000001346	-	-	4.858232369	1.681708476	-4.778063521	-1.609635203
ENSRORG00000004586	ela2l	chymotrypsin-like elastase family member 2A [Source:NCBI gene;Acc:101188781]	7.410065549	2.399678539	-5.848825611	-0.835953071
ENSRORG0000017048	homb3a	homobox B3a [Source:ZFIN;Acc:ZDB-GENE-990415-104]	6.115488673	0.753846706	-4.034385247	1.923252633
ENSRORG00000005190	scrlmb	scirpin [Source:NCBI gene;Acc:101159731]	5.432171473	0.918626042	-3.289395935	1.22467665
ENSRORG0000000240	-	-	7.184859465	-11.77195159	-5.398568721	13.56145025
ENSRORG0000000217	-	-	6.611908676	-0.163535351	-5.543656187	3.22630105
ENSRORG0000011188	-	-	5.064801545	-0.875734074	-0.826852375	-
ENSRORG0000004222	fgf3	fibroblast-like 3 (secreted glycoprotein) [Source:ZFIN;Acc:ZDB-GENE-050913-111]	3.544933568	-0.597288362	-4.403607651	0.260090531
ENSRORG00000004990	adams1	ADAM metalloproteinase with thrombospondin type 1 motif, 1 [Source:ZFIN;Acc:ZDB-GENE-070814-1]	3.587769774	1.5020392	-3.501735911	-1.244784781
ENSRORG0000013041	-	-	5.572424885	3.03447117	-4.93587584	-2.397436318
ENSRORG00000002764	slc14eyp-8ff7.4	slc14eyp-8ff7.4 [Source:ZFIN;Acc:ZDB-GENE-091204-252]	5.382815724	-0.354390362	-3.296175131	2.44151572
ENSRORG00000001032	cpb1	carboxypeptidase B1 [Source:NCBI gene;Acc:101169819]	7.051475306	0.985571202	-6.777844683	-0.711455828
ENSRORG0000007955	hoxc4	Oryzias latipes homeobox C4 (hoxc4), mRNA [Source:RefSeq mRNA;Acc:NM_001104878]	3.469530974	0.69280756	-4.024329459	0.247144143
ENSRORG0000013386	tm6d6	transmembrane protein 624 trafficking protein 6 [Source:ZFIN;Acc:ZDB-GENE-131211-182]	6.210161904	3.275843885	-3.409458423	-0.473655099
ENSRORG00000002020	gb	Oryzias latipes hemoglobin beta-1-like (gb), mRNA [Source:RefSeq mRNA;Acc:NM_001278824]	6.325032807	0.11864033	-3.95062181	2.263027464
ENSRORG0000007672	-	-	5.652550364	1.1307624	-3.84447124	0.677801249
ENSRORG0000010663	ela3l	chymotrypsin-like elastase family member 2A [Source:NCBI gene;Acc:101165737]	10.01339013	3.57369657	-17.5845459	-11.14479206
ENSRORG0000012158	rab25a	RAB25, member RAS oncogene family member 2A [Source:ZFIN;Acc:ZDB-GENE-041212-69]	5.827123876	-0.257157534	-3.240282519	2.944482738
ENSRORG0000017893	-	-	7.288083566	-11.10417938	-4.517937813	13.83083009
ENSRORG0000005173	casz1	castor zinc finger 1 [Source:ZFIN;Acc:ZDB-GENE-061031-108]	2.492966077	-0.497476895	-3.034956522	-0.044028601
ENSRORG00000015899	-	-	4.021738524	-2.534924635	-4.075888238	2.481161094
ENSRORG0000007133	-	-	3.471395602	-13.15945603	-3.25709673	13.373398313
ENSRORG00000004130	mb	myosin b [Source:NCBI gene;Acc:101156224]	8.98274534	-0.631610862	-7.684404818	1.950439931
ENSRORG00000005559	TNNI2 (1)	tropomyosin 12, fast skeletal type [Source:HGNC Symbol;Acc:HGNC:11466]	4.74749565			

ENSRGLG00000012482	hi2b	four and a half LIM domains 2b [Source:ZFIN;Acc:ZDB-GENE-0410101-121]	4.040670879	-0.689022887	-3.951841921	0.778335052
ENSRGLG00000015280	ZC3H12D	zinc finger CCHC-type containing 12D [Source:HGNC Symbol;Acc:HGNC:21175]	4.520462764	1.323955134	-2.234744924	0.962247948
ENSRGLG00000017965	dapk3	death associated protein kinase 3 [Source:NCBI gene;Acc:101168492]	3.067270324	2.114616104	1.612597984	2.565737302
ENSRGLG00000007807	rims2b	RNA binding motif, single stranded interacting protein 2b [Source:ZFIN;Acc:ZDB-GENE-0408001-511]	3.245844635	2.616493411	-0.102917847	-0.383061652
ENSRGLG00000003778	malb	myelin and lymphocyte protein-like [Source:NCBI gene;Acc:101155876]	3.444916317	0.314675256	-0.253526558	2.877199395
ENSRGLG00000008138	fat1a	FAT atypical cadherin 1a [Source:ZFIN;Acc:ZDB-GENE-050425-3]	3.028095048	0.917585545	-1.605760033	0.506234235
ENSRGLG00000003230	-	corticotropin-releasing factor-binding protein [Source:NCBI gene;Acc:101156980]	4.103100836	-11.72416849	-3.214970114	12.61289631
ENSRGLG00000013393	-	-	3.278520064	-1.114789868	-2.450979318	-0.288764633
ENSRGLG00000006697	map3k10	mitogen-activated protein kinase kinase 10 [Source:ZFIN;Acc:ZDB-GENE-050419-112]	4.989611411	0.778796774	-1.772456752	2.438838829
ENSRGLG00000007888	tdp5a	P53, Rb1, GEF and PH domain containing 5a [Source:ZFIN;Acc:ZDB-GENE-090429-3]	4.982918789	2.401042188	-0.011140641	2.571220544
ENSRGLG000000008627	copcd2	poppey domain containing 2 [Source:NCBI gene;Acc:101170131]	3.926474855	-2.044679981	-1.119759843	0.762520529
ENSRGLG00000013644	-	-	4.651016141	0.082959982	-8.830075408	0.738468066
ENSRGLG00000005923	prfra	proctin receptor A [Source:ZFIN;Acc:ZDB-GENE-080103-2]	4.397184781	0.458533916	-1.268379254	2.67075623
ENSRGLG00000006052	DOK7	docking protein 7 [Source:HGNC Symbol;Acc:HGNC:26594]	3.711645127	1.36660147	-0.87660756	1.466877845
ENSRGLG00000007210	tmprss13a	transmembrane serine protease 13a [Source:ZFIN;Acc:ZDB-GENE-090309-3]	4.388386449	0.342651045	-0.306672727	2.63195244
ENSRGLG00000001727	noxa1	NADPH oxidase activator 1 [Source:ZFIN;Acc:ZDB-GENE-050913-32]	4.914190217	0.969398713	-3.602845505	0.342432195
ENSRGLG00000017167	tmem200a	transmembrane protein 200A [Source:ZFIN;Acc:ZDB-GENE-040724-81]	3.276279029	1.944003602	-1.940297919	-0.6081862
ENSRGLG00000008314	-	-	6.225227007	2.472159241	-1.560358249	2.193194063
ENSRGLG00000009475	adora2aa	adenosine A2a receptor A [Source:ZFIN;Acc:ZDB-GENE-080723-28]	5.759024461	2.581598369	-1.740793057	1.437126706
ENSRGLG000000009455	lam20ca	family with sequence similarity 20, member Ca [Source:ZFIN;Acc:ZDB-GENE-130529-759]	3.174251416	0.759921342	-1.073692527	1.34112851
ENSRGLG000000060601	ad3b3	adducin 3 (gamma) b [Source:ZFIN;Acc:ZDB-GENE-080718-6]	3.897416475	2.661571946	-0.029920171	1.206409203
ENSRGLG00000001062	mcp1b	multiple C2 domains, transmembrane 1b [Source:ZFIN;Acc:ZDB-GENE-090013-382]	4.304010036	3.343102685	-0.867541213	0.09385211
ENSRGLG00000003626	ofmln1b	olfactomedin 1b [Source:NCBI gene;Acc:101160252]	3.940923833	1.436640576	-1.221378909	1.23839997
ENSRGLG00000005995	sulf1a6	sulfotransferase family 1A member 4 [Source:NCBI gene;Acc:100125513]	3.459076404	1.623905277	-2.168009801	-0.332353833
ENSRGLG00000016110	-	-	6.156951286	3.063470661	-2.53839003	0.557126082
ENSRGLG00000014658	col5a2a	collagen, type V, alpha 2a [Source:ZFIN;Acc:ZDB-GENE-030616-13]	4.1099722	1.538913392	-2.960706034	-0.389062483
ENSRGLG000000010340	si.ch211-285f1	si.ch211-285f1.1 [Source:ZFIN;Acc:ZDB-GENE-000607-77]	3.102813598	0.877112586	-1.22545544	1.000670521
ENSRGLG000000012270	tmc8	transmembrane channel-like 8 [Source:ZFIN;Acc:ZDB-GENE-080114-2]	4.15009734	1.833795088	-2.225118562	0.09166903
ENSRGLG00000005095	atg5l (1 of m)	prostaglandin-endoperoxide synthase 1 [Source:ZFIN;Acc:ZDB-GENE-020530-1]	3.874894712	2.107335716	-1.957549931	-0.189516498
ENSRGLG00000016556	epor	erythropoietin receptor [Source:NCBI gene;Acc:101163579]	4.945361004	0.459058895	-2.37281736	1.21406902
ENSRGLG00000002378	gata5	GATA binding protein 5 [Source:ZFIN;Acc:ZDB-GENE-980526-340]	3.891284209	2.133357094	-0.712327363	1.048095217
ENSRGLG00000011358	-	-	3.461453107	-0.435713177	-3.052628224	0.804502713
ENSRGLG00000007935	hox2b	Orx2b, homeobox C19 (hox2b), mRNA [Source:RefSeq mRNA;Acc:NM_0163250]	3.457910947	1.089646107	-1.746035828	0.622896052
ENSRGLG00000006224	tgmb5l	transglutaminase 5, like [Source:ZFIN;Acc:ZDB-GENE-110411-176]	3.557556321	-0.095230723	-1.699915602	1.9533914
ENSRGLG00000013083	-	-	6.719332656	1.724741547	-1.454915613	2.565890129
ENSRGLG00000012566	dsela	dermatan sulfate epimerase like A [Source:ZFIN;Acc:ZDB-GENE-030131-7517]	4.222584146	2.547209171	-1.706681231	-0.030821364
ENSRGLG00000010158	DACT1	dishevelled binding antagonist of beta catenin 1 [Source:HGNC Symbol;Acc:HGNC:17748]	3.586898885	1.423745336	-0.618326959	1.545310803
ENSRGLG00000011821	-	-	3.088962739	0.11844079	-0.992623897	1.97838397
ENSRGLG00000016887	vegfab	vascular endothelial growth factor Ab [Source:ZFIN;Acc:ZDB-GENE-030131-4605]	3.937319236	3.225007841	1.79546119	2.463599988
ENSRGLG00000012084	itr83	Int1R1M family, member 83 [Source:ZFIN;Acc:ZDB-GENE-031002-111]	6.441977174	1.869637057	-3.139648676	1.433174934
ENSRGLG00000017214	-	-	5.695111848	-0.314818687	-5.601418588	0.408996984
ENSRGLG00000011345	kirrel1a	kirie like receptor family adhesion molecule 1a [Source:ZFIN;Acc:ZDB-GENE-040426-2128]	3.349997608	0.989800543	-1.465473546	0.89520855
ENSRGLG00000000521	-	-	4.161529169	1.634953584	0.192738733	2.719798590
ENSRGLG0000001937	cypl1c2	cytochrome P450, family 1, subfamily C, polypeptide 2 [Source:ZFIN;Acc:ZDB-GENE-050705-1]	3.364389098	2.245378864	-1.442523864	-0.321228292
ENSRGLG00000010043	-	-	3.189333566	2.116567544	0.66058265	1.733838973
ENSRGLG00000007120	-	-	4.359733866	2.399379677	0.62956662	2.234748602
ENSRGLG00000012589	foxc1	Orx2b, homeobox C1 (foxc1), mRNA [Source:RefSeq mRNA;Acc:NM_0160451]	17.41564374	12.50029168	-3.019052491	1.89676639
ENSRGLG00000013232	-	-	3.108653669	0.768629856	-1.265808944	1.074699448
ENSRGLG00000000000	doc9b9	dedicator of cytokinesis 9b [Source:ZFIN;Acc:ZDB-GENE-090916-2]	3.114297783	0.829632501	-0.723287444	1.561862355
ENSRGLG00000012302	scrib	scribble planar cell polarity protein [Source:ZFIN;Acc:ZDB-GENE-030616-572]	3.174071444	1.005525543	-0.872261345	1.296769427
ENSRGLG00000011752	-	-	4.115908297	2.586607373	-1.656640037	-0.12631978
ENSRGLG00000015664	rtg5	integrin, alpha 5 (fibronectin receptor, alpha polypeptide) [Source:ZFIN;Acc:ZDB-GENE-030116-52]	4.422320213	1.813017357	-1.059746508	1.549951741
ENSRGLG00000001444	ttc7a	tetratricopeptide repeat domain 7A [Source:ZFIN;Acc:ZDB-GENE-010319-27]	6.258332859	2.326592802	-1.330723205	2.601497991
ENSRGLG00000003462	-	-	16.4908443	12.04407645	-2.970725243	1.476510956
ENSRGLG00000001955	-	-	3.770305076	1.543353208	-3.355832378	-1.128398063
ENSRGLG00000002712	cdc42ep1a	CDG4 effector protein (Rho GTPase binding) 1a [Source:ZFIN;Acc:ZDB-GENE-121128-3]	3.374649178	1.140165167	-0.616382184	1.161886541
ENSRGLG00000017217	MEP1B	mesprin A subunit beta [Source:HGNC Symbol;Acc:HGNC:7020]	6.730845105	-11.31815299	-6.593030314	11.45647763
ENSRGLG00000012539	hrl1	Kruppel-like factor 17 [Source:ZFIN;Acc:ZDB-GENE-010129-1]	5.744249129	0.135524002	-3.207883082	2.401326985
ENSRGLG00000015821	-	-	3.7037371	-1.190263554	-0.775469573	-
ENSRGLG00000016642	lam84a	family with sequence similarity 84 member A [Source:NCBI gene;Acc:101174970]	5.641135781	2.499514647	-0.74099073	2.401116634

ENSRGLG00000006029	ndc3	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 3 [Source:ZFIN;Acc:ZDB-GENE-090312-189]	3.65271495	0.913276734	-4.35435922	-0.695514752
ENSRGLG00000009533	lgmn	leu-glycine aminopeptidase [Source:NCBI gene;Acc:101163371]	4.701500574	0.253352104	-4.767591589	-0.31895838
ENSRGLG000000009933	arg2	arginase 2 [Source:ZFIN;Acc:ZDB-GENE-090131-1334]	4.781815136	0.546970263	-3.743513466	0.491738702
ENSRGLG00000000967	-	-	7.644735293	2.694762566	-5.356201522	-0.405743881
ENSRGLG00000013810	-	-	6.697046068	1.897526888	-5.178992585	-0.375845401
ENSRGLG00000000960	-	-	15.68064055	0.00	-15.80063533	0.0
ENSRGLG00000004077	glax2	5-aminolevulinate synthase, erythroid-specific, mitochondrial [Source:NCBI gene;Acc:100049501]	6.29557672	0.671191826	-4.352806609	1.272064175
ENSRGLG00000000700	-	-	6.853184413	1.002907168	-3.048617039	1.804724783
ENSRGLG00000000678	trmt3a	tropinon T, fast skeletal muscle isoforms [Source:NCBI gene;Acc:101157127]	6.587476683	1.499037608	-6.11879836	-1.0298783
ENSRGLG00000013930	malfb	oncogene homolog Bb [Source:ZFIN;Acc:ZDB-GENE-010655-4]	4.685064799	1.832261703	-3.009594729	-0.156306813
ENSRGLG00000010760	-	-	5.49645753	-1.057892327	-3.857719551	2.697048771
ENSRGLG00000011630	-	-	7.595785497	3.261600213	-4.032128454	3.02528288
ENSRGLG00000015985	-	-	6.302628336	0.004748658	-3.478952543	2.819411164
ENSRGLG00000006954	mmp25b	matrix metalloproteinase 25b [Source:ZFIN;Acc:ZDB-GENE-100308-4]	5.605909098	2.94362532	-3.061523891	-0.386665612
ENSRGLG00000016348	-	-	4.272149821	-0.032756486	-24.58458601	0.069545448
ENSRGLG00000010229	konj13	potassium inwardly-rectifying channel, subfamily 1, member 13 [Source:ZFIN;Acc:ZDB-GENE-070124-1]	4.987826839	2.153151861	-4.132808782	-1.297648452
ENSRGLG0000001254	-	-	1.54856431	-0.328293	-3.879836083	2.001957895
ENSRGLG00000009896	hoxc13a	homeobox C13 [Source:NCBI gene;Acc:101172814]	4.959653286	-1.051186244	-4.418370073	2.592947202
ENSRGLG00000006812	-	-	2.811714711	2.61497375	-15.68852161	-15.49179208
ENSRGLG00000012266	pl81	elastin-1 [Source:NCBI gene;Acc:101168586]	4.707790283	0.194524432	-3.452981566	1.060769847
ENSRGLG00000006922	-	-	7.184633081	1.456901167	-4.997437283	1.00796874
ENSRGLG00000001052	sicker-4g	stafase-1 [Source:NCBI gene;Acc:101156080]	5.872529451	1.721471199	-3.528729587	0.622811946
ENSRGLG00000000959	rhh	ras homolog family member H [Source:ZFIN;Acc:ZDB-GENE-060228-7]	16.26812344	13.18025262	-3.024804484	0.06353741
ENSRGLG00000009587	pvab1 (1)	parvalbumin beta [Source:NCBI gene;Acc:105353532]	5.928888408	-0.56628185	-2.740173716	-0.746517906
ENSRGLG00000013851	konj16	potassium inwardly-rectifying channel, subfamily 1, member 16 [Source:ZFIN;Acc:ZDB-GENE-130603-81]	5.980046509	-11.66614854	-7.003876201	10.64283683
ENSRGLG00000012148	ogal	O-GlcNAcase like [Source:ZFIN;Acc:ZDB-GENE-110914-153]	3.278464098	-1.099027421	-3.455158196	0.922969118
ENSRGLG00000015998	-	-	2.923409173	-12.82939858	-6.616321963	12.13889501
ENSRGLG00000016135	rab25b	RAB25, member RAS oncogene family [Source:NCBI gene;Acc:101172728]	4.468364823	1.164819041	-3.2570795	0.046951516
ENSRGLG00000012439	col9b	chondromucopolysaccharin 9B receptor Bb [Source:ZFIN;Acc:ZDB-GENE-070301-3]	4.971399848	-0.121162999	-3.169039659	1.924029293
ENSRGLG00000015459	-	-	5.785536014	1.22045387	-3.050392135	1.515205243
ENSRGLG00000009593	vill	villin-like [Source:ZFIN;Acc:ZDB-GENE-081222-1]	5.437087028	-0.637315021	-3.217177521	2.857713792
ENSRGLG00000014843	cs	complement C8 [Source:NCBI gene;Acc:101156293]	5.784657513	0.88151458	-4.717575453	3.03235527
ENSRGLG00000012551	-	-	5.462520903	0.822024682	-4.610292482	0.489376388
ENSRGLG00000016840	shdb	Src homolog 2 domain containing transforming protein D, beta [Source:ZFIN;Acc:ZDB-GENE-090131-6059]	3.507133899	0.483387053	-3.209671168	-0.18441982
ENSRGLG00000013436	col10					

ENSORLG0000004055	-	-	5.350158156	1.429022214	-3.953125206	-0.031504297
ENSORLG0000001329	-	-	5.779963401	0.766907223	-1.451477261	3.562062621
ENSORLG00000006354	gact3	gamma-glutamylamine cyclotransferase tandem duplicate 3 [Source:ZFIN;Acc:ZDB-GENE-07024-26]	3.604489302	0.887490644	-1.00972091	1.707762959
ENSORLG00000011757	pdact1	phosphotyrosine interaction domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-050320-72]	4.180328707	2.614278165	-0.73109802	0.835437606
ENSORLG00000004895	hic1	hypermethylated in cancer 1 [Source:ZFIN;Acc:ZDB-GENE-040713-7]	4.741297515	2.907140123	-2.173408291	-0.338765767
ENSORLG00000011311	tbc1d4	TBC1 domain family, member 4 [Source:ZFIN;Acc:ZDB-GENE-030313-9881]	3.105703903	0.375095999	-1.492734903	1.238357772
ENSORLG00000000313	lyg2	lysyzyme g-like 2 [Source:ZFIN;Acc:ZDB-GENE-090917-2]	5.685368891	1.487572301	-3.276936994	0.921344511
ENSORLG00000018096	TWIST2	twist family bHLH transcription factor 2 [Source:HGNC;Symbol:AC:HGNC:20670]	15.762701521	10.35208758	-1.455523256	3.953570942
ENSORLG00000000284	cdkn1a	cyclin-dependent kinase inhibitor 1A [Source:ZFIN;Acc:ZDB-GENE-070705-7]	5.227381405	3.108232557	-0.754840374	1.364703844
ENSORLG00000000766	-	-	4.75727743	0.474807678	-1.532013667	2.750940244
ENSORLG00000007590	ablim3	actin binding LIM protein family member 3 [Source:NCBI;Gene:Acc:101163501]	4.230484184	2.434513239	-0.446114891	1.350341683
ENSORLG000000003978	-	-	7.503131872	2.312603074	-2.063745843	3.12767557
ENSORLG00000010657	itga4	integrin alpha 4 [Source:ZFIN;Acc:ZDB-GENE-110411-108]	4.352232263	2.549889993	-0.103445409	1.699384458
ENSORLG00000002702	MLL7	MLL7, PHD finger containing [Source:HGNC;Symbol:AC:HGNC:7138]	4.737098759	2.265162846	-1.39494871	1.13292543
ENSORLG00000007298	MED13L	mediator complex subunit 13 like [Source:HGNC;Symbol:AC:HGNC:72982]	4.139505453	2.679371442	-0.890273025	0.570344163
ENSORLG00000008655	-	-	6.408040617	0.107438137	-2.136945974	4.254138552
ENSORLG00000012052	dusp10	dual specificity phosphatase 10 [Source:NCBI;Gene:Acc:101157461]	4.547304711	-0.093404811	-2.269417947	2.395778153
ENSORLG00000018040	zfye1	zinc finger, FYVE domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-131205-11]	3.097006405	0.319031757	-1.502860749	1.275598050
ENSORLG00000014020	-	-	17.89539351	10.05765334	-3.894958716	3.968713939
ENSORLG00000015720	zgc:77158	solute carrier family 45 member 3 [Source:NCBI;Gene:Acc:101158020]	3.051235891	1.52042647	-0.405072949	1.18220617
ENSORLG00000003284	mrc2	marinadin receptor, C type 2 [Source:ZFIN;Acc:ZDB-GENE-090935-3]	4.464168338	1.696473609	-1.778477316	0.987702796
ENSORLG00000015457	amot2a	angiominin-like 2 [Source:NCBI;Gene:Acc:101161303]	3.640737722	1.750838431	-1.190847689	0.107036684
ENSORLG00000013899	nkd1	naked outside homolog 1 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-061108-3]	4.466597977	2.327577117	-0.782596453	1.356908355
ENSORLG00000002521	treh	trehalase (brush-border membrane glycoprotein) [Source:ZFIN;Acc:ZDB-GENE-070912-34]	5.817790829	-0.278056841	-3.328409124	2.767942007
ENSORLG00000005426	-	-	5.177969434	2.651738019	-0.302146453	2.224569589
ENSORLG00000010182	post3a	microsomal glutathione S-transferase 3 [Source:NCBI;Gene:Acc:101173739]	3.528937529	0.54666173	-1.813279778	1.164980765
ENSORLG00000016196	rgl2	ral guanine nucleotide dissociation stimulator-like 2 [Source:ZFIN;Acc:ZDB-GENE-010311-1]	4.740882991	1.169571299	-2.315995011	1.255801173
ENSORLG00000000345	palld	paladin, cytoskeletal associated protein [Source:ZFIN;Acc:ZDB-GENE-041014-252]	3.170825942	1.387923528	-1.854360395	-0.070793066
ENSORLG000000007531	-	-	4.460977255	2.989400836	-0.60919428	0.82868662
ENSORLG00000006858	wsc2f2	WSC domain containing 2 [Source:NCBI;Gene:Acc:101154729]	4.812573275	3.100158566	0.665668975	2.378567539
ENSORLG00000002386	hfp2a	LHFPL tetraspan subfamily member 2 [Source:NCBI;Gene:Acc:101175331]	5.007506323	0.801721136	-2.745868992	1.45039635
ENSORLG00000010137	olq6c	Oryzias latipes membrane quanyin/ cyclase (olq6), mRNA [Source:RefSeq; mRNA:Acc:NM_001105096]	5.201526252	-0.061060329	-3.062309429	2.200709879
ENSORLG00000016366	atger1b	prostaglandin E receptor 1b (subtype EP1) [Source:ZFIN;Acc:ZDB-GENE-100922-278]	5.305527367	2.982718688	-1.172612331	1.150679578
ENSORLG00000010292	ednr	Oryzias latipes endothelin receptor (ednr), mRNA [Source:RefSeq; mRNA:Acc:NM_001104944]	3.589089737	2.350690704	-2.12977851	-0.899003096
ENSORLG00000005147	pdha1b	prolyl 4-hydroxylase, alpha polypeptide 1b [Source:ZFIN;Acc:ZDB-GENE-030313-4089]	3.08494512	1.718995483	-1.01199675	1.245164462
ENSORLG0000001065	-	-	16.37684625	0	-3.104679259	1.727265748
ENSORLG00000010473	serpin1e	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1 [Source:ZFIN;Acc:ZDB-GENE-070912-60]	5.137394453	1.058556847	-3.442300203	0.637023042
ENSORLG00000012347	gsna	galactin a [Source:ZFIN;Acc:ZDB-GENE-030131-9653]	5.678829151	1.582324287	-2.625587729	1.471402075
ENSORLG00000000728	slpava	plasmalemma vesicle associated protein a [Source:ZFIN;Acc:ZDB-GENE-070912-432]	4.839380401	0.772399219	-2.298946251	1.768526123
ENSORLG00000003335	-	-	5.441172113	3.12490293	-2.47179287	-0.155041106
ENSORLG00000012922	znp1a3	patatin-like phospholipase domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-040718-27]	3.972029247	0.870727382	-1.571956368	1.530189951
ENSORLG000000007531	-	-	3.20871299	2.277090599	0.540690656	1.478189575
ENSORLG000000004491	form11a	formin-like 1a [Source:ZFIN;Acc:ZDB-GENE-120215-83]	4.314908271	3.347707238	-0.486541551	0.4811435
ENSORLG00000011631	fox2	forkhead box f2 [Source:ZFIN;Acc:ZDB-GENE-100922-240]	5.348232584	2.23647502	-1.519694421	1.595242394
ENSORLG00000016558	cdap2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2 [Source:ZFIN;Acc:ZDB-GENE-030313-184]	3.742696975	1.580812455	-0.934269977	1.228099406
ENSORLG00000029710a	znf710a	zinc finger protein 710a [Source:ZFIN;Acc:ZDB-GENE-030313-5559]	3.415161177	2.231829341	-1.13092022	0.0059122
ENSORLG00000010300	czry2.1	chemokine receptor P2Y2 tandem duplicate 1 [Source:ZFIN;Acc:ZDB-GENE-980526-196]	7.409780652	1.393489669	-2.497097208	3.519670965
ENSORLG00000004345	ctch1	catched 1 [Source:ZFIN;Acc:ZDB-GENE-980526-196]	3.933040399	0.640298977	-1.971753314	1.320842973
ENSORLG00000014046	nox1	NADPH oxidase 1 [Source:NCBI;Gene:Acc:101164470]	3.112440782	-0.498468638	-2.262183364	1.34921193
ENSORLG00000011229	-	-	4.917018912	1.533206006	-0.61224257	2.72055106
ENSORLG00000012104	spn3	serine palmitoyltransferase, long chain base subunit 3 [Source:ZFIN;Acc:ZDB-GENE-041210-281]	5.834337152	0.897778887	-2.1187432	2.818300532
ENSORLG00000005691	zgc:110239	zgc:110239 [Source:ZFIN;Acc:ZDB-GENE-050417-107]	4.541495711	0.799816903	-2.40239985	1.339223831
ENSORLG00000017277	prng2	proline rich G1a (G-carboxy glutamic acid) 2 [Source:ZFIN;Acc:ZDB-GENE-130625-11]	4.762755279	0.993178675	-3.313308647	0.45679329
ENSORLG00000012137	-	-	3.062818544	2.518478128	0.797199049	1.342025712
ENSORLG00000018358	-	-	4.420920927	1.0010576	-1.567491403	1.852029426
ENSORLG00000016759	-	-	5.593502544	0.967504878	-1.934753511	2.691728837
ENSORLG00000010228	slmapb	sarcolemma associated protein b [Source:ZFIN;Acc:ZDB-GENE-040426-809]	5.537730826	2.549148464	-0.425682325	2.563385569
ENSORLG00000015782	mep1a.1	meprin A, alpha (PABA peptide hydrolase), tandem duplicate 1 [Source:ZFIN;Acc:ZDB-GENE-041001-209]	4.378564929	-5.053593186	-5.733110727	3.699521199
ENSORLG00000002046	coro1a	coronin, actin binding protein, 1A [Source:ZFIN;Acc:ZDB-GENE-030313-9512]	5.037735711	2.33044145	-2.748681375	-0.040902138

ENSORLG00000013801	gprc5c	G protein-coupled receptor, class C, group 5, member C [Source:ZFIN;Acc:ZDB-GENE-070928-27]	6.303697649	0.280613501	-3.513205747	2.510363198
ENSORLG000000008674	cltgn9	Cla and TNF related 9 [Source:ZFIN;Acc:ZDB-GENE-060303-33]	17.05716297	0	-17.05715778	0
ENSORLG00000015708	sidcyp-1	complement C1q-like protein 4 [Source:NCBI;Gene:Acc:101168564]	5.73357242	2.523182233	-3.942717943	-0.731301938
ENSORLG000000008010	-	-	17.3258941	10.40590729	-5.582361985	1.338000905
ENSORLG00000010231	GOS2	G0/G1 switch 2 [Source:NCBI;Gene:Acc:10156885]	5.463242754	-0.523011866	-0.50165341	0.848503973
ENSORLG00000009993	slc15a2	solute carrier family 15 (oligopeptide transporter), member 2 [Source:ZFIN;Acc:ZDB-GENE-030131-5866]	5.057322275	1.274697482	-3.374659158	0.408450788
ENSORLG0000001819	ergo2	Oryzias latipes estrogen-related receptor gamma type 2 (erg2), mRNA [Source:RefSeq; mRNA:Acc:NM_001163092]	4.21523115	0.83549377	-3.447870318	-0.067613644
ENSORLG00000007994	sox8a	SOX (sex determining region Y)-box 8a [Source:ZFIN;Acc:ZDB-GENE-130530-719]	2.68151378	0.466831406	-3.126767415	-0.911600131
ENSORLG00000012050	slc1a1	solute carrier family 1 (neuronal/spinophil high affinity glutamate transporter, system Xag), member 1 [Source:ZFIN;Acc:ZDB-GENE-040719-414]	5.12811671	0.521278599	-3.155361974	1.451959586
ENSORLG00000004253	pdgfrf	platelet derived growth factor receptor like [Source:NCBI;Gene:Acc:101185739]	5.579981562	-1.295697799	-5.173881386	1.702292391
ENSORLG00000009061	batf	basic leucine zipper ATF-like transcription factor [Source:NCBI;Gene:Acc:101186259]	6.84693847	1.022954149	-6.840484149	-0.015961426
ENSORLG00000011787	myt3	myosin, light polypeptide 3, skeletal muscle [Source:ZFIN;Acc:ZDB-GENE-000322-6]	4.771746489	-12.47791891	-5.769103159	11.48232395
ENSORLG000000010189	pdgfrf	platelet derived growth factor receptor like [Source:NCBI;Gene:Acc:101185739]	5.402077038	-1.397813519	-5.84119985	1.052216425
ENSORLG00000004731	zgc:13646f	zgc:13646f [Source:ZFIN;Acc:ZDB-GENE-060519-7]	15.69803495	9.946892855	-3.581066636	2.322739529
ENSORLG00000000391	zgc:13646f	zgc:13646f [Source:ZFIN;Acc:ZDB-GENE-060519-7]	7.267892041	1.455280204	-7.070466177	-0.889033864
ENSORLG00000010223	crit1b	carminic palmityltransferase 1B (muscle) [Source:ZFIN;Acc:ZDB-GENE-041010-9]	8.124898429	3.439354748	-6.962367758	0.882676438
ENSORLG0000001706	uncharcterized LOC101160024 [Source:NCBI;Gene:Acc:101160024]		16.1307637	9.747504889	-16.14307117	-9.747521673
ENSORLG00000008238	gamt	guanidinoacetate N-methyltransferase [Source:NCBI;Gene:Acc:101166291]	4.533128724	0.949191952	-4.543617479	-0.489926271
ENSORLG00000000349	sich211	uncharacterized LOC101172412 [Source:NCBI;Gene:Acc:101172412]	5.694387284	0.990345661	-6.374361432	1.030116517
ENSORLG00000010410	chp2	calionormin-like EF-hand protein 2 [Source:ZFIN;Acc:ZDB-GENE-030131-5810]	5.300496198	0.401587774	-3.411665332	1.482738568
ENSORLG00000016167	ihh	Indian hedgehog [Source:HGNC;Symbol:AC:HGNC:5956]	6.657802245	2.015251353	-3.619032968	1.0240107
ENSORLG00000011273	col1a1b	collagen, type I, alpha 1b [Source:ZFIN;Acc:ZDB-GENE-030131-4450]	5.261473093	2.067714767	-4.035056545	-0.840822291
ENSORLG00000015981	myl1	myosin light chain 1, skeletal muscle isoform [Source:NCBI;Gene:Acc:101167500]	3.741705665	0.234810104	-6.041508633	-2.5412596
ENSORLG00000017246	-	-	7.60558836	1.79908806	-6.529461192	-0.171386675
ENSORLG000000006421	-	-	5.038384624	-0.674263864	-4.580303358	1.13283015
ENSORLG00000018031	cd25a	C-C motif chemokine 20 [Source:NCBI;Gene:Acc:101171121]	6.133091934	0.121887856	-3.097421201	2.914384299
ENSORLG00000000412	slc12a3	solute carrier family 12 (sodium/chloride transporter), member 3 [Source:ZFIN;Acc:ZDB-GENE-030131-3506]	6.23948583	-0.93596862	-3.830559444	3.345371567
ENSORLG00000009017	-	-	6.23948583	0.552418671	-6.764708255	0.477889539
ENSORLG000000002943	dkn11b	duad11b [Source:ZFIN;Acc:ZDB-GENE-010328-13]	18.28213443	0	-4.557981041	13.72464404
ENSORLG000000003829	ptger4b	prostaglandin E receptor 4 (subtype EP4) [Source:ZFIN;Acc:ZDB-GENE-060531-102]	4.96939269	0.902533535	-3.44906394	0.618273889
ENSORLG00000012333	trib1	tribbles homolog 1 [Source:NCBI;Gene:Acc:101160746]	5.102628851	0.469903093	-4.134893101	0.498314222
ENSORLG00000004268	slc5a2	solute carrier family 5 (sodium/glucose cotransporter), member 2 [Source:ZFIN;Acc:ZDB-GENE-040426-2498]	6.037200971	1.129266941	-4.383930455	0.52448558
ENSORLG00000016178	kneg1	potassium voltage-gated channel, subfamily G, member 1 [Source:ZFIN;Acc:ZDB-GENE-080205-5]	1.027269997	-4.881392599	-3.270174554	2.154772477
ENSORLG00000016820	-	-	2.929521182	-0.130242035	-4.485256689	-1.425090928
ENSORLG00000017122	gata3	GATA binding protein 3 [Source:ZFIN;Acc:ZDB-GENE-992415-82]	16.6088462	10.56750932	-3.292620433	2.749179261
ENSORLG000000008649	gpr11b	gamma-glutamyltransferase 1b [Source:ZFIN;Acc:ZDB-GENE-1114048-13]	4.810897244	-0.23193759	-3.171008543	1.872312403
ENSORLG00000000597	anact2b	anion channel protein 2 [Source:NCBI;Gene:Acc:101154790]	4.234109248	-3.042080343	-3.56581957	3.710855364
ENSORLG00000014806	tbx4	T-box 4 [Source:NCBI;Gene:Acc:101172998]	5.365889369	2.973206193	-3.781231068	1.388056393
ENSORLG00000005938	atp2a1	sericolplasmic/endoplasmic reticulum calcium ATPase 1 [Source:NCBI;Gene:Acc:101173864]	4.092276847	-0.200671653		

	ENSRORG0000010564	konk1b	potassium two pore domain channel subfamily K member 1 [Source:NCBI gene:Acc:101174617]	3.252575954	1.264631842	0.457973013	2.446401962
	ENSRORG0000003458	ctnna1	catenin (armadillo-associated) protein, alpha-like 1 [Source:ZFIN:Acc:ZDB-GENE-060531-507]	3.102024917	0.645381562	-0.153389284	2.303758738
	ENSRORG00000010246	-	-	6.004844592	2.129377185	-2.092467929	1.783483155
	ENSRORG0000000664	cygb	Oryzias latipes cytoglobin (cygb), mRNA, [Source:RefSeq mRNA:Acc:NM_001104768]	5.959828209	-10.1732875	-2.617397257	13.46181322
	ENSRORG0000007599	ann	annexin associated transmembrane protein [Source:ZFIN:Acc:ZDB-GENE-060810-59]	5.942882885	-3.140838589	-4.331436923	4.75276749
	ENSRORG00000015266	scla0a1	solute carrier family 40 (iron-regulated transporter), member 1 [Source:ZFIN:Acc:ZDB-GENE-000511-48]	5.249296406	1.050196737	-2.259556433	1.930306069
	ENSRORG00000092121	lhgd1	fumaroylacetate hydrolase domain containing 1 [Source:ZFIN:Acc:ZDB-GENE-050522-448]	5.090854458	1.447967801	-1.491694575	2.151677533
	ENSRORG0000007652	tab212	tab-21 like 2 [Source:NCBI gene:Acc:101157187]	4.863033781	1.035286115	-3.03988776	0.788340558
	ENSRORG0000000532	TOR4A	tor1a family 4 member A [Source:NCBI gene:Acc:101162538]	2.990820516	5.2825134	-2.98454543	2.34631814
	ENSRORG0000001029	asgrip4	RAS guanine nucleotide exchange factor 4 [Source:ZFIN:Acc:ZDB-GENE-050419-110]	4.37816566	1.870986261	-2.998472084	-0.49807992
	ENSRORG0000006729	emid1	EM domain containing 1 [Source:ZFIN:Acc:ZDB-GENE-070705-49]	3.083796942	2.838163064	-1.354949066	-1.108876175
	ENSRORG00000013443	esr	V-set immunoregulatory receptor [Source:ZFIN:Acc:ZDB-GENE-060929-716]	5.042224097	1.965590368	-2.629755256	0.984373286
	ENSRORG00000005046	-	-	4.148608653	0.913370647	-1.999038315	1.236639223
	ENSRORG00000017885	abca2	ATP-binding cassette, sub-family A (ABC1), member 2 [Source:ZFIN:Acc:ZDB-GENE-050517-1]	3.779694842	-0.334201796	-2.097529521	2.016851796
	ENSRORG0000007790	-	-	16.9042197	14.93648982	-2.941736899	-0.923533594
	ENSRORG00000001563	HLH1 (1 of m	four and a half LIM domains 1 [Source:NCBI gene:Acc:101165816]	4.571021166	2.058802372	-2.833572879	-0.320689111
	ENSRORG00000016902	hfn1	interferon induced with helicase C domain 1 [Source:ZFIN:Acc:ZDB-GENE-081104-438]	3.631466354	1.732742797	0.0861595	1.985368969
	ENSRORG00000013626	kydb	kinoylcholine dehydrogenase [Source:NCBI gene:Acc:101175588]	5.517467317	0.066018334	-2.542871114	2.906063539
	ENSRORG00000003917	RBM51 (1 of m	RNA binding motif single stranded interacting protein 1 [Source:ZFIN:Acc:ZDB-GENE-050507-590]	4.814326863	2.283518575	-0.390738259	2.140556666
	ENSRORG00000013111	srp2	srpB repeat containing protein, X-linked 2 [Source:ZFIN:Acc:ZDB-GENE-110411-231]	3.798080294	0.907436966	-1.528398778	1.345454437
	ENSRORG00000013938	-	-	4.168524728	1.777864624	-0.406049997	-1.985058888
	ENSRORG00000012006	net1	neuroepithelial cell transforming 1 [Source:NCBI gene:Acc:101160222]	3.685911158	1.544993564	-2.559790216	-0.418387706
	ENSRORG00000013121	prickle1b	prickle homolog 1b [Source:ZFIN:Acc:ZDB-GENE-030131-2152]	4.824762731	1.174709967	-2.05817136	1.592367338
	ENSRORG00000011824	nr0b1	nuclear receptor subfamily 0, group B, member 1 [Source:ZFIN:Acc:ZDB-GENE-030130-1]	4.044356262	2.457617299	-1.266818036	0.320450976
	ENSRORG00000004411	-	-	4.876351275	2.33034618	-2.270723706	0.273077872
	ENSRORG00000013342	slcf	APBPC1 complementation factor [Source:NCBI gene:Acc:101160767]	5.366261401	0.572521922	-3.963122472	-0.38002651
	ENSRORG00000017583	ppp1r13ba	protein phosphatase 1, regulatory subunit 13ba [Source:ZFIN:Acc:ZDB-GENE-030131-8895]	4.225738705	2.727493769	0.506215716	2.004945058
	ENSRORG0000000976	terf	transcription factor 7 [Source:ZFIN:Acc:ZDB-GENE-050222-4]	4.593719289	2.135310968	-2.105272224	0.353622596
	ENSRORG00000012651	zswim5	zinc finger, SWIM-type containing 5 [Source:ZFIN:Acc:ZDB-GENE-030129-30]	3.239793095	0.492506288	-0.813915928	1.932856539
	ENSRORG00000005736	myfjfb	myosin regulatory light chain 2, skeletal muscle isoform [Source:NCBI gene:Acc:101169321]	5.696343789	-0.182732175	-5.255276121	0.62480156
	ENSRORG0000004921	oprm1	opioid receptor, mu 1 [Source:ZFIN:Acc:ZDB-GENE-010125-1]	3.749913071	-0.438533783	-1.88460735	2.350494293
	ENSRORG00000014569	-	-	3.311531227	0.275787934	-0.936982617	2.099245064
	ENSRORG00000041815	slc7a1	solute carrier family 7 (cationic amino acid transporter + y system), member 1 [Source:ZFIN:Acc:ZDB-GENE-091116-69]	4.981112098	2.043181179	-1.82375178	1.114604662
	ENSRORG00000016675	-	-	4.672870466	1.666101597	-1.662595889	1.344749223
	ENSRORG00000016854	-	-	4.007184909	1.64521913	-0.538296282	1.824154328
	ENSRORG00000004543	her9	heparin sulfate proteoglycan 9 [Source:ZFIN:Acc:ZDB-GENE-011213-1]	4.075295454	1.492989543	-0.810864664	1.771926462
	ENSRORG00000015159	marcks1b	MARCKS-related protein [Source:NCBI gene:Acc:101173561]	4.195399588	0.829567015	-0.573315629	2.79299154
	ENSRORG00000009081	-	-	3.908868258	1.91751119	0.34791413	2.339757145
	ENSRORG00000005815	-	-	4.868633826	1.21912523	-1.25230047	1.592693816
	ENSRORG00000016201	phf1	PHF finger protein 1 [Source:ZFIN:Acc:ZDB-GENE-100922-277]	3.890541296	1.736839067	-2.571388507	-0.417181047
	ENSRORG00000005074	lynu	lymph node hyaline [Source:NCBI gene:Acc:101174251]	5.813915551	1.315302082	-1.765212139	2.7338855
	ENSRORG00000017608	cx32.3	connexin 32.3 [Source:ZFIN:Acc:ZDB-GENE-030131-1337]	6.489282862	0.411086148	-5.396384259	0.682297762
	ENSRORG0000004533	zswim1 (1 of m	zinc finger, SWIM-type containing 6 [Source:ZFIN:Acc:ZDB-GENE-060602-4]	3.46644065	0.445914824	-2.077914228	0.943096351
	ENSRORG00000013020	ifrs19	tumor necrosis factor receptor superfamily, member 19 [Source:ZFIN:Acc:ZDB-GENE-030131-8760]	3.8349011	2.51917911	-1.090654605	0.225553521
	ENSRORG0000002232	-	-	3.69240064	0.990662429	-0.418089402	2.28417263
	ENSRORG00000010410	cyth4	cytohesin 4 [Source:ZFIN:Acc:ZDB-GENE-090624-6]	5.814098672	2.699163343	-2.311898552	0.798428952
	ENSRORG00000008567	srnp1-68n21	srp1-68n21.9 [Source:ZFIN:Acc:ZDB-GENE-081105-100]	4.100083285	0.821463204	-3.834292336	-0.555187973
	ENSRORG00000012168	ubald2	UBA-like domain containing 2 [Source:ZFIN:Acc:ZDB-GENE-050522-185]	4.304917621	1.476814004	-0.960189184	1.866398909
	ENSRORG00000015493	znf536	zinc finger protein 536 [Source:ZFIN:Acc:ZDB-GENE-030616-624]	3.028483692	0.686172356	-0.679032156	1.663949413
	ENSRORG00000021247	-	-	4.931220323	1.815779285	-1.418041503	1.6978877
	ENSRORG00000009356	myo7b	myosin VIIb [Source:ZFIN:Acc:ZDB-GENE-121022-3]	3.687786829	-0.077412624	-1.7742831	1.99242311
	ENSRORG0000004341	swa1c	swa1 homolog C (C. elegans) [Source:ZFIN:Acc:ZDB-GENE-091204-329]	4.216762912	1.63210631	-1.396588178	1.188348896
	ENSRORG00000013685	-	-	3.638362649	0.947506836	-0.82147956	1.86960931
	ENSRORG00000006724	apcd11	adenomatous polyposis coli down-regulated 1-like [Source:ZFIN:Acc:ZDB-GENE-121022-3]	7.243768143	0.951727312	-1.941151608	4.351353483
	ENSRORG00000013459	cxcr3.2	chemokine (C-X-C motif) receptor 3, tandem duplicate 2 [Source:ZFIN:Acc:ZDB-GENE-041114-186]	3.876178433	2.428704388	-1.24994367	1.193965457
	ENSRORG00000005745	PFKP (1 of m	phosphofructokinase, platelet [Source:HGNC Symbol:Acc:HGNC:8878]	5.144323205	1.028178527	-2.27601857	1.840537928
	ENSRORG00000009643	MAF	MAP t2p transcription factor [Source:HGNC Symbol:Acc:HGNC:6776]	5.840618696	-0.4073680954	-3.313485165	3.001299745
	ENSRORG00000016831	-	-	4.706726364	2.037130875	-2.66479578	2.496979578
	ENSRORG00000002244	shd2b	EH domain containing 2 [Source:NCBI gene:Acc:101167588]	4.16102109	2.12139155	-2.405960399	-0.365793779
	ENSRORG00000004795	tzd8a	frizzled class receptor 8a [Source:ZFIN:Acc:ZDB-GENE-000328-3]	4.731696484	1.328273772	-1.328772895	2.076134939
	ENSRORG00000014087	zbtb37	zinc finger and BTB domain containing 37 [Source:ZFIN:Acc:ZDB-GENE-050208-621]	4.829854387	1.13477679	-1.315347332	2.380215432

	ENSRORG00000000981	slc22a7a	solute carrier family 22 (organic anion transporter), member 7a [Source:ZFIN:Acc:ZDB-GENE-050506-52]	3.616947677	0.151243441	-4.156598965	-0.690413352
	ENSRORG00000014926	plekhf1	pleckstrin homology domain containing family F (with FYVE domain) member 1 [Source:ZFIN:Acc:ZDB-GENE-040426-1289]	16.10239753	0	-3.045397446	13.05749258
	ENSRORG00000006259	bmp6	bone morphogenetic protein 6 [Source:ZFIN:Acc:ZDB-GENE-050506-42]	6.149789306	1.140250119	-3.104292977	1.96737287
	ENSRORG00000002168	myl9f4	myosin light chain, phosphorylatable, fast skeletal muscle 4 [Source:ZFIN:Acc:ZDB-GENE-940712-19]	6.300930238	-0.52295267	-10.94037035	-4.116002126
	ENSRORG00000006554	akab4	AKV homeobox 4b [Source:ZFIN:Acc:ZDB-GENE-050208-140]	15.70846224	12.17542792	-4.387320218	-0.858317851
	ENSRORG00000014546	tfpia	tissue factor pathway inhibitor 4 [Source:ZFIN:Acc:ZDB-GENE-030711-1]	5.106657701	-0.189255232	-3.008496587	2.340988587
	ENSRORG00000018163	-	-	5.038318823	0.806782899	-15.97261637	-1.174109194
	ENSRORG00000006079	slc22a6i	solute carrier family 22 member 6 [Source:NCBI gene:Acc:101168641]	6.877724768	-0.701197334	-5.630916679	1.948492908
	ENSRORG00000012350	-	-	4.401082028	1.857398939	-4.207352604	-1.663161792
	ENSRORG0000000293	sich211-1	sich211-25503 [Source:ZFIN:Acc:ZDB-GENE-141216-113]	6.381571423	2.774737609	-4.235439447	-0.682119891
	ENSRORG00000010086	CLDN5	claudin-5 [Source:NCBI gene:Acc:101166566]	4.4651649	1.965256725	-3.089062028	-0.587669066
Hmt VS HmO	128	col4a6	collagen, type IV, alpha 6 [Source:ZFIN:Acc:ZDB-GENE-101001-2]	0.287251703	2.191368405	-2.625788756	4.529420723
	ENSRORG00000014283	-	-	2.500479142	0.4668972	-0.188132305	3.15673938
	ENSRORG00000009459	sema3d	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3D [Source:ZFIN:Acc:ZDB-GENE-090715-2]	-1.705683303	0.468769045	-1.58922051	-3.763367767
	ENSRORG00000012208	mfs4aa	major facilitator superfamily domain-containing protein 4A, like [Source:NCBI gene:Acc:101174826]	-1.47350193	-0.530982762	-0.272458156	-3.014491464
	ENSRORG00000002157	RF0284	small nuclear RNA SNORD74 [Source:NCBI gene:Acc:113947419]	-12.6301037	5.431997698	-1.327369848	-4.736829599
	ENSRORG00000015517	-	-	-14.26488971	1.614771911	12.87616007	-3.00301121
	ENSRORG00000017757	slc25a25a	calcium-binding mitochondrial carrier protein ScaMC-2.4 [Source:NCBI gene:Acc:101160000]	-2.143288501	-0.380346537	-3.183033465	3.595406764
	ENSRORG00000002282	ace	angiotensin I converting enzyme (peptidyl-dipeptidase 4) [Source:ZFIN:Acc:ZDB-GENE-030131-1826]	-0.821939033	0.259856795	-2.944695465	-4.020606342
	ENSRORG0000001979	paics	phosphoribosylaminimidazole carboxylase, phosphoribosylaminimidazole succinocarboxamide synthetase [Source:ZFIN:Acc:ZDB-GENE-030131-9762]	-2.642751191	-0.684852986	-1.304938621	-3.262300003
	ENSRORG00000007315	-	-	-14.6541645	2.750223692	-11.4743954	-5.926507181
	ENSRORG00000011017	-	-	-0.53120756	0.096363668	-2.614480041	-3.246534183
	ENSRORG00000012224	gapdh	glyceraldehyde-3-phosphate dehydrogenase [Source:NCBI gene:Acc:101172760]	-0.915818234	-0.610358232	-2.768722823	-3.073697303
	ENSRORG00000016951	sh2d5	SH2 domain containing 5 [Source:ZFIN:Acc:ZDB-GENE-060227-47]	-2.005739197	-0.247464437	-1.74245824	-3.500243016
	ENSRORG00000013213	efcc1	EF-hand and coiled-coil domain containing 1 [Source:ZFIN:Acc:ZDB-GENE-120813-3]	-2.563005554	-0.333781493	-1.497638367	-3.726374517
	ENSRORG00000009443	slc8a3	solute carrier family 8 (sodium/calcium exchanger), member 3 [Source:ZFIN:Acc:ZDB-GENE-050810-1]	-2.614373338	-0.837757035	-0.637757035	-3.061437661
	ENSRORG00000004531	wnr9b	wingless-type MMTV integration site family, member 9B [Source:ZFIN:Acc:ZDB-GENE-080201-1]	0.300509479	1.7883369	-2.652759339	-4.131601408
	ENSRORG00000013890	-	-	-1.79082347	0.774826386	-1.26602	

	ENSRORG0000015441	mss1b	metastasis suppressor 1-like b [Source:ZFIN;Acc:ZDB-GENE-140718-4]	3.031704816	1.487904905	-2.543302119	-0.999017259
	ENSRORG0000010488	BCL11B (1 of 2)	B cell CLL/lymphoma 11B [Source:HGNC Symbol;Acc:HGNC:13222]	6.094672608	0.664132067	-2.755211745	2.6786102
	ENSRORG0000011078	naalad2	N-acetylated alpha-linked acidic dipeptidase 2 [Source:ZFIN;Acc:ZDB-GENE-040426-1023]	4.030057483	1.940197537	-2.128536655	-0.038912743
	ENSRORG0000002625	-	-	3.016001927	0.791652803	0.818919633	2.40239086
	ENSRORG0000012948	-	-	4.14874275	0.478844031	-2.305334339	1.417050266
	ENSRORG0000004734	strom3b	stromatin (EPB2)-like 3b [Source:ZFIN;Acc:ZDB-GENE-050417-366]	5.521542886	1.268933773	-2.394240111	1.859937399
	ENSRORG0000003814	-	-	3.548627883	1.240837214	-1.370087421	1.033102882
	ENSRORG0000010220	-	-	4.633682951	1.191332234	-2.579670786	0.872688864
	ENSRORG0000000347	trim45	tripartite motif containing 45 [Source:ZFIN;Acc:ZDB-GENE-070912-389]	5.079790228	3.276077436	-0.627188992	1.177006368
	ENSRORG0000001786	tbl1a	Dab, reelin signal transducer homolog 1a (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-060528-1]	5.070726778	0.583373984	-2.656842818	1.83099483
	ENSRORG0000000184	card14	cardiac recruitment domain family member 14 [Source:ZFIN;Acc:ZDB-GENE-090310-1]	4.603639811	0.183570595	-0.776472616	1.905073792
	ENSRORG00000008876	TBL1XR1	transducin beta like 1-linked receptor 1 [Source:HGNC Symbol;Acc:HGNC:29529]	4.135552968	1.470526007	-0.04434967	2.621165218
	ENSRORG00000006149	col17a1b	collagen, type XVII, alpha 1b [Source:ZFIN;Acc:ZDB-GENE-030331-7145]	5.575936264	1.99105009	-2.457254999	1.310117162
	ENSRORG00000003036	-	-	4.658791329	2.756002024	-1.498147202	0.475126895
	ENSRORG00000008008	ptprc	protein tyrosine phosphatase, receptor type, C [Source:ZFIN;Acc:ZDB-GENE-090208-585]	3.686021237	2.822204123	-1.362594811	0.041706781
	ENSRORG00000008434	lgr6	Oryzias latipes leucine rich repeat containing G protein-coupled receptor 6 (lgr6), mRNA [Source:RefSeq mRNA;Acc:NM_001278833]	6.111868967	2.22104577	-1.958461978	1.932856697
	ENSRORG00000006341	SLC24A4	solute carrier family 2 member 4 [Source:NCBI gene;Acc:101158976]	4.433611094	0.297475001	-1.346718441	2.789903369
	ENSRORG00000017044	ccc1	endothelin converting enzyme 1 [Source:ZFIN;Acc:ZDB-GENE-091110-100]	4.12692442	1.621562649	-1.212024025	1.293822431
	ENSRORG00000016137	ctc1b	catched 2 [Source:ZFIN;Acc:ZDB-GENE-980526-44]	4.884868797	0.684381466	-1.699611643	2.501358558
	ENSRORG00000016787	PW4	clathrin 4 [Source:HGNC Symbol;Acc:HGNC:3026]	3.590454517	0.997017148	-1.653805486	0.945335176
	ENSRORG0000003985	ITNAS	catenin 45 [Source:HGNC Symbol;Acc:HGNC:3025]	3.165298221	0.35696987	-1.459158895	1.129232932
	ENSRORG00000014093	si.ch211-79k3	uncharacterized LOC101164588 [Source:NCBI gene;Acc:101164588]	4.757354692	1.16701144	-2.327189016	1.263953197
	ENSRORG00000013815	-	-	5.007627033	0.971977601	-1.790550578	2.241078552
	ENSRORG00000003722	PRSS23	serine protease 23 [Source:HGNC Symbol;Acc:HGNC:14370]	3.041818839	2.175194161	-0.44345203	0.4454203
	ENSRORG00000003079	KHLH4	ketch like family member 4 [Source:HGNC Symbol;Acc:HGNC:6355]	3.43278748	2.339907165	-0.733951071	0.359413372
	ENSRORG00000007168	si.ch73-17b13	si.ch73-17b13.3 [Source:ZFIN;Acc:ZDB-GENE-081104-245]	3.296533361	1.743791383	-1.252971173	3.002552441
	ENSRORG00000016519	RAB19	RAB19, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:19982]	3.751453696	0.422415539	-1.270787199	2.100245744
	ENSRORG00000016970	zgc:158343	uncharacterized LOC105354811 [Source:NCBI gene;Acc:105354811]	4.63091467	1.759953906	-1.584425504	1.28701987
	ENSRORG00000015008	-	-	6.444445343	2.675049297	-0.837676304	2.93211497
	ENSRORG00000000858	pitx1	paired-like homeodomain 1 [Source:ZFIN;Acc:ZDB-GENE-080421-3623]	5.305718698	0.429706529	-3.159373984	1.717124567
	ENSRORG00000011289	tm4sf4	transmembrane 4 like family member 4 [Source:NCBI gene;Acc:101159982]	17.1579969	13.6031023	-0.596894437	2.958466613
	ENSRORG00000002533	ngfra	nerve growth factor receptor A (NGFR superfamily, member 16) [Source:ZFIN;Acc:ZDB-GENE-050928-1]	5.307748978	-0.313696715	-2.113268579	3.508662022
	ENSRORG00000004373	-	-	3.100897275	0.318814313	-2.465332704	0.317204881
	ENSRORG000000008714	erap2	endoplasmic reticulum aminopeptidase 2 [Source:ZFIN;Acc:ZDB-GENE-080402-6]	3.100156026	2.51729911	-0.85730033	1.515102929
	ENSRORG00000017946	apoc2 (1 of 2)	apolipoprotein D-like [Source:NCBI gene;Acc:101159982]	8.428454748	3.278859	-20.60613079	-15.45634896
	ENSRORG00000002855	rida	reactive intermediate kinase deaminase A homolog [Source:HGNC Symbol;Acc:HGNC:18997]	3.388511719	0.95433887	-1.010749264	1.423913794
	ENSRORG00000007353	hs3st3b1a	heparan sulfate (glucosamine) 3-O-sulfotransferase 3b1a [Source:ZFIN;Acc:ZDB-GENE-070202-4]	3.180130515	1.776281828	-0.034825223	2.70105381
	ENSRORG00000005181	zgc:101540	uncharacterized LOC101164588 [Source:NCBI gene;Acc:101164588]	4.929063266	2.498087044	-0.650154451	0.768990898
	ENSRORG00000014049	shc42e1	short chain dehydrogenase/reductase family 42E, member 1 [Source:ZFIN;Acc:ZDB-GENE-051120-63]	3.24884381	0.976280857	-1.634111425	1.62463686
	ENSRORG00000015156	gabrapl2	GABA(A) receptor-associated protein like 2 [Source:ZFIN;Acc:ZDB-GENE-040718-336]	3.096386023	0.971960912	-0.019652391	2.105257878
	ENSRORG00000012468	cygb1	Oryzias latipes cytoglobin-1 (cygb1), mRNA [Source:RefSeq mRNA;Acc:NM_001104767]	3.757157462	1.574271953	-2.598266401	-0.414899543
	ENSRORG00000005881	cyry1	purinergic receptor P2Y1 [Source:NCBI gene;Acc:10117350]	4.140046394	2.400651003	-0.509264314	1.230612376
	ENSRORG00000018030	-	-	5.113148006	2.457468231	-3.4867147	-0.830552005
	ENSRORG00000008378	-	-	4.50192984	1.290916288	-0.117899975	2.19360154
	ENSRORG00000004987	HOXA2 (1 of 2)	homeobox A2 [Source:HGNC Symbol;Acc:HGNC:5103]	5.830782083	1.75615232	-3.137763496	0.937352101
	ENSRORG00000015772	chma2	cholinergic acetylcholinesterase 2 [Source:ZFIN;Acc:ZDB-GENE-090311-6]	4.292787728	1.051325342	-1.68941931	1.572471713
	ENSRORG00000007960	sow9	Oryzias latipes SRY-box 9 (sow9), mRNA [Source:RefSeq mRNA;Acc:NM_001105086]	5.005430592	1.40092784	-0.903933364	2.70105381
	ENSRORG00000014397	dec1b	Oryzias latipes DLH1 protein DCLT1 (dec1b), mRNA [Source:RefSeq mRNA;Acc:NM_001104732]	3.124964192	0.734544869	-1.28474171	1.106156698
	ENSRORG00000011226	TTBK2	tau tubulin kinase 2 [Source:HGNC Symbol;Acc:HGNC:19141]	16.37637861	14.09223932	0.698251537	2.982858561
	ENSRORG00000005247	nmt1b	N-myristoyltransferase 1b [Source:ZFIN;Acc:ZDB-GENE-080122-3]	4.260409971	-0.122546815	-2.270166604	2.113351896
	ENSRORG00000006656	ngnt1	nestrobinin [Source:ZFIN;Acc:ZDB-GENE-090312-2001]	3.365264536	1.448374797	-2.259011306	-0.34169717
	ENSRORG00000015412	-	-	3.254979494	-0.075189972	-2.065088859	1.26556594
	ENSRORG00000011411	slc26a1	solute carrier family 26 (anion exchanger), member 1 [Source:ZFIN;Acc:ZDB-GENE-070112-2182]	4.682089436	0.7656165	-0.562188776	1.07505161
	ENSRORG00000007737	-	-	3.12079547	0.596150677	-1.502306663	1.022823122
	ENSRORG00000008895	-	-	16.0118399	13.68818529	-1.795017504	0.519061996
	ENSRORG00000010179	-	-	7.015331894	2.36316887	-3.115768993	1.536875628
	ENSRORG00000001520	erbb3a	erb-B2 receptor tyrosine kinase 3a [Source:ZFIN;Acc:ZDB-GENE-030916-3]	5.203631574	-0.760314367	-2.097944667	3.866481324
	ENSRORG00000003060	-	-	3.880971088	3.331284728	0.542051489	1.02222929
	ENSRORG00000010400	dkk1a	Dickkopf-related protein 1 [Source:NCBI gene;Acc:101172518]	18.77613667	12.92917332	-8.054981061	-2.207551292
	ENSRORG00000006345	dkk1a	Dickkopf-related protein 1 [Source:NCBI gene;Acc:101172518]	5.61781803	2.416988049	-1.222940415	1.978378321
	ENSRORG00000002352	si.ch1073-27b9	ninurin 1 [Source:HGNC Symbol;Acc:HGNC:7824]	5.052299924	2.229800006	-2.229800006	0.697017078
	ENSRORG00000011579	slc2a2	solute carrier family 2 (facilitated glucose transporter), member 2 [Source:ZFIN;Acc:ZDB-GENE-030131-1213]	6.215573509	-9.965510147	-16.18109304	0
	ENSRORG00000016244	paqr6	progestin and androgen receptor family member VI [Source:ZFIN;Acc:ZDB-GENE-090714-1]	3.690187879	0.70946628	-0.769741331	2.211456419
	ENSRORG00000015348	tsf3mp1	tumor protein p53 inducible nuclear protein 1 [Source:ZFIN;Acc:ZDB-GENE-031018-3]	3.188448583	0.619156072	-1.304679924	1.265097264

	ENSRORG00000006121	HIP1R	huntingtin interacting protein 1 related [Source:HGNC Symbol;Acc:HGNC:18415]	-	-	-2.735311028	0.343604286
	ENSRORG00000006179	-	-	-	-	-13.7246897	2.064738777
	ENSRORG00000004896	trim36	tripartite motif containing 36 [Source:ZFIN;Acc:ZDB-GENE-040426-208]	-	-	-2.535936276	0.064998197
	ENSRORG00000013281	frsdc1	Fibronectin type III domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-041210-332]	-	-	-2.646306918	1.156933068
	ENSRORG00000003884	sparrn	sparrn a [Source:ZFIN;Acc:ZDB-GENE-080204-37]	-	-	-2.808609497	0.139436253
	ENSRORG0000001421	had17b12	very-long-chain 3-oxoacyl-CoA reductase-A [Source:NCBI gene;Acc:101169871]	-	-	-2.438539371	0.439549228
	ENSRORG0000001250	-	-	-	-	-1.079953855	0.389446044
	ENSRORG00000009491	-	-	-	-	0.075374901	-2.819165438
	ENSRORG0000013850	-	-	-	-	0	16.57310875
	ENSRORG000000005138	tmem59l	Transmembrane protein 59-like [Source:ZFIN;Acc:ZDB-GENE-040426-2651]	-	-	-2.324066877	-0.535234965
	ENSRORG00000013937	whra	whirlin a [Source:ZFIN;Acc:ZDB-GENE-091118-27]	-	-	-2.947202544	0.479664304
	ENSRORG00000004446	-	-	-	-	-2.315924207	-0.62540149
	ENSRORG00000010629	-	-	-	-	-2.18467463	0.52637177
	ENSRORG00000017074	-	-	-	-	0	16.688207028
	ENSRORG00000004421	tiam1a	T cell lymphoma invasion and metastasis 1a [Source:ZFIN;Acc:ZDB-GENE-080205-1]	-	-	-2.76449593	0.1030441
	ENSRORG00000008540	-	-	-	-	-13.09797943	3.454230434
	ENSRORG0000014822	hook1	hook microtubule-tethering protein 1 [Source:ZFIN;Acc:ZDB-GENE-041001-159]	-	-	-2.871233963	-0.22362444
	ENSRORG0000002643	-	-	-	-	-10.71312012	5.476364924
	ENSRORG00000008840	-	-	-	-	-1.375583388	-0.412406289
	ENSRORG00000003789	nhr6b	neuronal hexamer b [Source:ZFIN;Acc:ZDB-GENE-120329-2]	-	-	-3.13030778	1.60441269
	ENSRORG00000003971	-	-	-	-	-12.4455738	14.0556133
	ENSRORG00000007317	-	-	-	-	-6.441042328	1.85125459
	ENSRORG000000005323	PHYHPL	Phytanoyl-CoA 2-hydroxylase interacting protein like [Source:HGNC Symbol;Acc:HGNC:29378]	-	-	-1.94286313	-0.122854449
	ENSRORG00000001493	rbpsm2b	RNA binding protein, mRNA processing factor 2b [Source:ZFIN;Acc:ZDB-GENE-040426-141]	-	-	-2.744466878	-1.07172009
	ENSRORG00000015274	-	-	-	-	-2.401036136	-0.964237006
	ENSRORG000000014327	-	-	-	-	-1.48965657	3.6442434
	ENSRORG00000015010	slc27a1b	solute carrier family 27 (fatty acid transporter), member 1b [Source:ZFIN;Acc:ZDB-GENE-081013-672]	-	-	3.527512955	8.817929831
	ENSRORG00000003043	dup2	Dual specificity phosphatase 2 [Source:ZFIN;Acc:ZDB-GENE-040801-188]	-	-	-1.254562615	-1.68997616
	ENSRORG00000013559	cdh4	cadherin 4, type 1, R-cadherin (retinal) [Source:ZFIN;Acc:ZDB-GENE-091207-1]	-	-	-2.61603149	0.888887269
	ENSRORG0000007432	alch3b2	aldehyde dehydrogenase 3 family, member B2 [Source:ZFIN;Acc:ZDB-GENE-060631-79]	-	-	-4.269338951	1.546709381
	ENSRORG00000017271	-	-	-	-	-2.511182606	0.511560734
	ENSRORG00000006857	zgc:92313	uncharacterized LOC101164588 [Source:ZFIN;Acc:ZDB-GENE-040718-339]	-	-	-0.844089213	-0.086071511

	ENSRGLG00000006570	znf503	zinc finger protein 503 [Source:NCBI gene:Acc:101174213]	5.87054366	1.786424017	-2.55587031	1.528735162
	ENSRGLG00000002122	-	scdram/cosasum transporting ATPase subunit alpha-1 [Source:NCBI gene:Acc:100049445]	5.249745539	-0.008755089	-3.097511346	2.161494126
	ENSRGLG00000001308	paplnb	papilin b, proteoglycan-like sulfated glycoprotein [Source:ZFIN:Acc.ZDB:GENE-030131-6023]	16.52344327	12.52889115	-6.26591041	-2.631569238
	ENSRGLG00000006382	-	-	4.832596557	1.051136717	-2.634716364	1.147167457
	ENSRGLG00000001661	-	-	4.886551903	0.454371224	-1.882984151	2.549701016
	ENSRGLG000000013715	fbx14b	F-box and leucine-rich repeat protein 14b [Source:ZFIN:Acc.ZDB:GENE-030131-3556]	3.226175201	1.419173621	0.102454989	1.911941311
	ENSRGLG00000001758	s1rkey-11e3	uncharacterized LOC101167627 [Source:NCBI gene:Acc:101167627]	16.75467602	11.36132923	-3.371944118	2.021872009
	ENSRGLG000000017962	pdtk1	PDZ domain containing 1 [Source:NCBI gene:Acc:101175521]	5.985818843	-1.014378455	-4.385094826	2.615569595
	ENSRGLG00000002989	scg3	secretogranin III [Source:ZFIN:Acc.ZDB:GENE-040426-1725]	3.329015947	0.385760769	-1.080782604	1.862958329
	ENSRGLG000000008481	prse602	serine protease 60.2 [Source:ZFIN:Acc.ZDB:GENE-050201-109]	4.10017553	0.827649303	-2.368022175	0.90494373
	ENSRGLG00000001193	fbn7	fibulin 7 [Source:ZFIN:Acc.ZDB:GENE-170130-2]	4.684619064	0.00618396	-1.681557079	2.997360838
	ENSRGLG000000016858	hts3a	thrombospondin 3a [Source:ZFIN:Acc.ZDB:GENE-020708-3]	5.543559857	2.430618486	-1.173346305	-0.059919766
	ENSRGLG00000007129	swap70a	switching 3 cell complex subunit SWAP70a [Source:ZFIN:Acc.ZDB:GENE-040426-1182]	4.009748177	2.097141343	-2.74690044	-0.833808948
	ENSRGLG00000007363	mf19b	ring finger protein 19b [Source:ZFIN:Acc.ZDB:GENE-060503-291]	3.220240165	1.560262518	-1.256409973	0.404052383
	ENSRGLG000000014996	sov11a	SRY (sex determining region Y)-box 11a [Source:ZFIN:Acc.ZDB:GENE-980526-396]	4.267046076	1.090767174	-0.743943825	2.42819192
	ENSRGLG00000003132	-	-	3.524435701	1.648302843	-1.375446285	0.501117127
	ENSRGLG000000014858	oxnb	oxalitin b [Source:ZFIN:Acc.ZDB:GENE-130630-697]	3.871963499	1.737979551	-0.122245409	2.012406433
	ENSRGLG000000015876	firt2	fibronectin leucine rich transmembrane protein 2 [Source:ZFIN:Acc.ZDB:GENE-070705-267]	3.988444232	1.880903172	-0.809493698	1.298531268
	ENSRGLG000000016561	lert4	keratin 4 [Source:ZFIN:Acc.ZDB:GENE-000607-83]	5.354029522	0.3174975	-2.456170917	2.580899722
	ENSRGLG000000017856	myom1a	myomesin 1a (ketermin) [Source:ZFIN:Acc.ZDB:GENE-030131-2856]	3.859318196	1.354485253	-0.421154336	2.084161267
	ENSRGLG00000002528	alh3a2b	aldehyde dehydrogenase 3 family member A2b [Source:ZFIN:Acc.ZDB:GENE-040912-103]	4.914338459	1.26383919	-1.309857702	2.341131881
	ENSRGLG000000016046	cock3b	coiled-coil domain-containing protein 3 [Source:NCBI gene:Acc:101181051]	4.079724625	1.063263111	-2.241251	0.775696031
	ENSRGLG00000002699	kirrel1b	kirie like nephrin family adhesion molecule 1b [Source:ZFIN:Acc.ZDB:GENE-070912-173]	5.9340132	3.262722839	-2.274356495	0.397419003
	ENSRGLG000000015665	tp63	tumor protein p63 [Source:ZFIN:Acc.ZDB:GENE-030819-1]	5.57250455	0.4641927	-3.092036425	2.001507685
	ENSRGLG00000001572	agp12	aquaporin 12 [Source:ZFIN:Acc.ZDB:GENE-040718-310]	3.733128124	1.46806992	-2.707782521	-0.44223912
	ENSRGLG00000005381	lp2b	low-density lipoprotein receptor-related protein 2 [Source:NCBI gene:Acc:101185597]	4.934046992	-0.862886931	-2.981586165	2.338515437
	ENSRGLG000000013828	s1rch211-25d12	s1rch211-25d12.7 [Source:ZFIN:Acc.ZDB:GENE-141216-296]	4.300760675	0.571681339	-0.945786139	2.783780579
	ENSRGLG000000012779	-	-	4.232118935	2.000989005	-1.311339111	0.92027568
	ENSRGLG000000013986	ajoseb	apolipoprotein Eb [Source:NCBI gene:Acc:101161673]	4.783773504	2.106277451	-1.422629449	1.255351915
	ENSRGLG000000016619	my9a	myosin light chain 9a, regulatory [Source:ZFIN:Acc.ZDB:GENE-041010-130]	3.548947692	1.54621575	-0.579041653	1.424175084
	ENSRGLG00000003615	s1rkey-85k7.10	s1rkey-85k7.10 [Source:ZFIN:Acc.ZDB:GENE-160728-49]	15.87965312	12.80059054	-4.244882210	-1.165354689
	ENSRGLG000000012464	tgm11	transglutaminase 1 like 1 [Source:ZFIN:Acc.ZDB:GENE-060503-139]	3.567064122	2.30971263	-1.78622701	-0.455944114
	ENSRGLG000000008514	cd8a	uncharacterized LOC100125537 [Source:NCBI gene:Acc:100125537]	17.03037024	12.08947696	-2.275388342	2.665973237
	ENSRGLG00000003278	-	LHP1, tetraspan subfamily member 2 protein [Source:NCBI gene:Acc:101158202]	5.45560985	2.207231923	-0.323498057	2.925733317
	ENSRGLG000000017422	shank3b	SH3 and multiple ankyrin repeat domains 3b [Source:ZFIN:Acc.ZDB:GENE-041210-74]	4.186868643	2.08834724	-0.102086672	0.805760994
	ENSRGLG000000013864	cytda	CYD Ysine 63 deubiquitinase [Source:NCBI gene:Acc:101156964]	6.77182471	0.953688042	-2.393530582	2.824911832
	ENSRGLG000000017998	mltp (1 of ma	muscle-specific beta 1 integrin binding protein [Source:ZFIN:Acc.ZDB:GENE-030404-1]	5.661279958	0.059613436	-4.441423843	1.16071917
	ENSRGLG000000008547	-	-	4.059147682	2.170272775	-0.469974582	1.419446558
	ENSRGLG000000013491	smo2	SPARC related modular calcium binding 2 [Source:ZFIN:Acc.ZDB:GENE-021031-5]	4.329192162	1.232262448	-3.040211091	0.057199811
	ENSRGLG000000016141	-	uncharacterized LOC101171775 [Source:NCBI gene:Acc:101171775]	5.551453163	0.3136944	-2.500347349	2.737896572
	ENSRGLG000000004545	PLEKH45	pleckstrin homology domain containing A5 [Source:HGNC Symbol:Acc:HGNC:30036]	3.737729797	1.217776506	-0.909520933	1.610916684
	ENSRGLG000000005422	pik3cd	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit delta [Source:ZFIN:Acc.ZDB:GENE-040426-1128]	3.516970528	2.311197861	-0.959902049	0.246354188
	ENSRGLG000000007824	notum1a	notum, palmitoleyl-protein carboxylesterase a [Source:ZFIN:Acc.ZDB:GENE-120807-2]	5.617322588	3.250942589	-0.235742017	2.131143981
	ENSRGLG000000010967	hand2	heart and neural crest derivatives expressed 2 [Source:ZFIN:Acc.ZDB:GENE-000511-11]	16.62005053	12.47212979	-1.735048934	2.413338151
	ENSRGLG000000010305	ysatr1	cystathionine synthase [Source:ZFIN:Acc.ZDB:GENE-050522-250]	3.741861125	-0.546116317	-3.842709239	0.445751715
	ENSRGLG000000017313	HMGCR (1 of	3-hydroxy-3-methylglutaryl-CoA reductase [Source:HGNC Symbol:Acc:HGNC:5006]	3.478191599	0.491379216	-1.82875541	1.158541807
	ENSRGLG000000009916	leap2	liver-expressed antimicrobial peptide 2 [Source:ZFIN:Acc.ZDB:GENE-081022-131]	5.939739739	1.273533382	-5.806520648	-1.139648934
	ENSRGLG000000015700	CAMSPA2 (c	calmodulin regulated spectrin associated protein family member 2 [Source:HGNC Symbol:Acc:HGNC:29188]	3.905727571	2.451571624	-0.971605886	0.483034375
	ENSRGLG000000013508	ETS1	ETS proto-oncogene 1, transcription factor [Source:HGNC Symbol:Acc:HGNC:3498]	3.744772844	1.731078457	-1.110110599	0.890968933
	ENSRGLG000000009685	she	Src homology 2 domain containing E [Source:ZFIN:Acc.ZDB:GENE-090915-6]	4.452180129	1.880246834	-0.738544226	1.83387733
	ENSRGLG000000014923	-	-	3.486734623	1.443230624	0.003956362	2.047944631
	ENSRGLG000000002085	cdkn1db	cyclin dependent kinase inhibitor 1C [Source:NCBI gene:Acc:101173627]	5.544733363	1.814162592	-1.818631996	1.912423973
	ENSRGLG000000001428	trm35	transmembrane protein 35A [Source:NCBI gene:Acc:101185318]	4.411773879	3.180310939	1.350868509	2.582815819
	ENSRGLG000000000058	-	-	5.128349326	1.855400034	-2.216465488	1.05698076
	ENSRGLG000000006005	-	-	4.091124102	2.588799698	-1.638670512	-0.13860677
	ENSRGLG000000003591	col5a1	procollagen, type V, alpha 1 [Source:ZFIN:Acc.ZDB:GENE-041105-6]	4.51664439	1.922910016	-3.17008089	-0.575861785
	ENSRGLG000000011024	endouc	poly(U)-specific endoribonuclease-C [Source:NCBI gene:Acc:101164801]	3.965746172	1.8601716	-1.803901088	0.302152307
	ENSRGLG000000013159	otoc	otocerin [Source:ZFIN:Acc.ZDB:GENE-120601-1]	4.311805563	-2.218182408	-2.399431419	4.221038544
	ENSRGLG000000003453	inka1b	family with sequence similarity 212, member Ab [Source:ZFIN:Acc.ZDB:GENE-030131-6538]	3.922400857	0.352327789	-1.197218108	2.373344885
	ENSRGLG000000013484	sesn1	sesn1 [Source:ZFIN:Acc.ZDB:GENE-040718-408]	4.07988668	1.321891568	-2.743702987	0.005878995
	ENSRGLG00000001438	zpc-101640	zpc-101640 [Source:ZFIN:Acc.ZDB:GENE-041114-158]	3.370897679	2.007421373	-0.202679376	1.161281898
	ENSRGLG000000006161	s1rch211-153b	s1rch211-153b23.3 [Source:ZFIN:Acc.ZDB:GENE-141216-408]	3.380713063	0.89523185	-1.083256185	1.412706648
	ENSRGLG000000000288	SUSD2	sushi domain containing 2 [Source:HGNC Symbol:Acc:HGNC:30667]	3.132409212	-0.286723955	-2.935615846	0.48400277
	ENSRGLG000000010756	cyr61	cysteine rich angiogenic inducer 61 [Source:NCBI gene:Acc:10115757]	4.42775443	2.262191598	-1.395616115	0.770431353
	ENSRGLG000000005034	-	-	4.665391044	-0.004595584	-2.440088986	2.230387653
	ENSRGLG000000010786	-	-	4.63115794	1.607496873	-0.153612915	2.870531598

	ENSRGLG000000017389	atprr	protein tyrosine phosphatase, receptor type, r [Source:ZFIN:Acc.ZDB:GENE-101029-2]	-1.935547812	0.359776844	-0.899138881	-3.193878315
	ENSRGLG000000004187	-	-	2.364372005	6.710977083	-4.846034603	-9.192147038
	ENSRGLG000000010652	pkr	pyruvate kinase LR [Source:ZFIN:Acc.ZDB:GENE-010907-1]	-2.256001185	-0.890872401	-2.93779855	4.302522443
	ENSRGLG000000005715	ofrcp6	extracellular calcium-sensing receptor-like [Source:NCBI gene:Acc:101174763]	-10.72021005	5.261451258	0	15.98166828
	ENSRGLG00000007527	h2afk	histone H2AFK [Source:NCBI gene:Acc:101160298]	-2.692616242	0.128056926	-0.427688648	-3.24781375
	ENSRGLG0000000004161	-	genome C-binding protein CCO110 homolog, mitochondrial [Source:NCBI gene:Acc:101164311]	2.927120005	5.038389836	-1.584207666	-3.680218469
	ENSRGLG000000002339	slc1a8a	solute carrier family 1 (glutamate transporter), member 8a [Source:ZFIN:Acc.ZDB:GENE-101111-8]	-4.311127212	1.232718956	-10.90918806	-16.45304809
	ENSRGLG000000018254	myo1b	myosin Ib [Source:ZFIN:Acc.ZDB:GENE-030131-695]	-2.524037155	-0.430114981	-2.55362568	-4.646999808
	ENSRGLG000000010503	atp8b1	ATPase phospholipid transporting 8B1 [Source:ZFIN:Acc.ZDB:GENE-091116-14]	1.281819134	0.612042139	-1.535126945	-3.428503221
	ENSRGLG000000011040	-	-	-13.8786583	4.523870262	15.25468454	-3.156340980
	ENSRGLG000000004834	-	-	-1.713264281	0.173699249	-1.27464589	-3.161124705
	ENSRGLG000000017339	-	-	-0.948739858	0.130384993	-2.598959583	-3.677599408
	ENSRGLG000000003846	-	-	-2.950348008	0.785451297	0.652119356	-3.08319489
	ENSRGLG000000013914	TRIM16L	tripartite motif containing 16 like [Source:HGNC Symbol:Acc:HGNC:32870]	-2.115146643	-0.570719382	-2.277917144	-3.821859566

ENSRLOG0000009694	plcd1a	1-phosphatidylinositol 4,5-bisphosphate phosphohydrolase delta-1 [Source:NCBI gene:Acc:101187907]	3.43916398	1.00926502	-0.576947422	1.853436852
ENSRLOG0000001361	aff4	AF4/FMR2 family, member 4 [Source:ZFIN:Acc:ZDB-GENE-100910-5]	3.304670106	0.358121226	-1.535455502	1.411578151
ENSRLOG0000007407	-	-	4.759943724	0.786314635	-3.059712434	0.914402192
ENSRLOG00000007839	113a1b	coagulation factor XIII, A1 polypeptide b [Source:ZFIN:Acc:ZDB-GENE-030131-9634]	3.267768531	2.436857568	-1.181395231	-0.349993308
ENSRLOG00000006917	si.ch211-191d	si.ch211-191d15.2 [Source:ZFIN:Acc:ZDB-GENE-040724-119]	3.193524014	1.610834611	-1.06665983	0.516514916
ENSRLOG00000013034	mycn	MYCN proto-oncogene, bHLH transcription factor [Source:ZFIN:Acc:ZDB-GENE-020711-1]	4.447896487	1.868890185	-1.761672787	0.817618907
ENSRLOG0000004534	da2	chymotrypsin-like elastase family member 2A [Source:NCBI gene:Acc:101168538]	7.624791755	1.916194931	-6.019553209	-0.31047131
ENSRLOG0000001261	sash3	SAM and SH3 domain containing 3 [Source:ZFIN:Acc:ZDB-GENE-120411-1]	4.114263436	2.244308615	-1.629684362	0.2407555
ENSRLOG0000001384	si.ch73-28112	si.ch73-28112.4 [Source:ZFIN:Acc:ZDB-GENE-130530-882]	3.087120788	1.354043236	0.689733395	2.423295958
ENSRLOG00000008732	nr4a3	nuclear receptor subfamily 4 group A member 3 [Source:NCBI gene:Acc:101167731]	6.33471603	2.207613759	-2.078178718	2.049413047
ENSRLOG00000017648	dhmt3aa	DNA (cytosine-5-)-methyltransferase 3 alpha a [Source:ZFIN:Acc:ZDB-GENE-050314-5]	4.664060599	1.468538813	-1.884960654	1.311046307
ENSRLOG00000011636	-	-	3.092706294	0.53777853	-1.59392937	0.96148888
ENSRLOG00000017492	sp9	Sp9 transcription factor [Source:NCBI gene:Acc:101162490]	5.492717214	-0.137475663	-3.0498747	2.581702422
ENSRLOG0000001322	-	-	4.578042768	1.445718514	-0.7249722034	2.88308728
ENSRLOG00000014341	-	-	4.292731708	1.793373361	-1.467397973	1.032446064
ENSRLOG00000002677	rac3b	Rac family small GTPase 3b [Source:ZFIN:Acc:ZDB-GENE-080270-21]	3.13520356	2.191301121	-1.750543217	-0.806155051
ENSRLOG00000015125	-	-	5.608513124	0.638457698	-2.548949424	2.463915666
ENSRLOG00000007584	-	-	3.862724723	1.013253856	-2.522434378	0.327530773
ENSRLOG00000005033	slc34a1a	solute carrier family 34 (type II sodium/phosphate cotransporter), member 1a [Source:ZFIN:Acc:ZDB-GENE-101006-3]	6.094690897	0.354679694	-6.933252838	-1.192757079
ENSRLOG00000011559	pcdh1b	protocadherin 1b [Source:ZFIN:Acc:ZDB-GENE-091015-2]	4.947034522	1.858827086	-0.998663291	2.091829778
ENSRLOG00000009705	-	-	3.100681921	1.543365936	-1.988176534	-0.380376369
ENSRLOG00000017543	-	-	6.032096323	3.726654399	-0.418071292	1.887308206
ENSRLOG0000001340	-	-	4.893233361	1.891708476	-4.770835321	-1.63063533
ENSRLOG00000004586	ela2l	chymotrypsin-like elastase family member 2A [Source:NCBI gene:Acc:101168781]	7.410065549	2.399678539	-5.846825611	-0.83595371
ENSRLOG00000007107	chd3	chromatin domain helicase DNA binding protein 3 [Source:ZFIN:Acc:ZDB-GENE-121031-4]	4.911365796	1.786376887	-0.916319706	2.209155984
ENSRLOG00000016940	ihf5	inter-alpha-trypsin inhibitor heavy chain family, member 5 [Source:ZFIN:Acc:ZDB-GENE-041213-193]	3.116657252	2.559702795	-2.00915073	-1.451736721
ENSRLOG0000001392	ker8	keratin, type II cytoskeletal 8 [Source:NCBI gene:Acc:101168366]	3.939186801	1.344866294	-1.560414072	1.034391424
ENSRLOG00000017048	hoxb3a	homeobox B3a [Source:ZFIN:Acc:ZDB-GENE-990415-104]	6.115466673	0.753846706	-3.438852147	1.923252633
ENSRLOG00000002980	gmt	phosphoethanolamine methyltransferase [Source:ZFIN:Acc:ZDB-GENE-060929-740]	5.357600252	0.855899793	-2.503543326	1.99640198
ENSRLOG00000000636	notch1b	notch 1b [Source:ZFIN:Acc:ZDB-GENE-990415-183]	4.086384164	1.052638663	-0.53959988	2.394378474
ENSRLOG00000005670	tubb1	tubulin, beta 1 class VI [Source:ZFIN:Acc:ZDB-GENE-1110408-5]	18.60065849	0	-1.472452009	15.1289801
ENSRLOG00000009569	-	-	3.725757427	2.873040663	0.084744482	0.887449178
ENSRLOG00000000240	-	-	7.184858465	-11.77195159	-5.398888721	13.56145025
ENSRLOG00000000217	-	-	6.611909876	-0.163353531	-3.549366187	3.226381005
ENSRLOG00000009888	hapln1a	hyaluronan and proteoglycan link protein 1a [Source:ZFIN:Acc:ZDB-GENE-050302-175]	3.830939162	2.037300297	-0.637299902	1.156824069
ENSRLOG00000000321	lgr1r1b	fibroblast growth factor receptor 1b [Source:ZFIN:Acc:ZDB-GENE-060510-14]	3.784000326	1.173848403	-1.777117737	0.293519203
ENSRLOG00000017377	fox3	forkhead box O3 [Source:NCBI gene:Acc:100301615]	5.41838635	2.4532552	-1.437535303	1.521537326
ENSRLOG00000004154	notch2	notch 2 [Source:ZFIN:Acc:ZDB-GENE-000279-4]	3.032382767	0.903883841	-1.070743496	1.060250335
ENSRLOG00000012685	si.dkey-19218	si.dkey-19218.9 [Source:ZFIN:Acc:ZDB-GENE-120709-25]	4.010891604	2.045130566	-0.809740086	1.156506178
ENSRLOG00000016594	TSPAN9	terraspanin-9 [Source:NCBI gene:Acc:101168895]	3.58667391	1.784053068	-0.982078216	0.841027350
ENSRLOG00000013238	-	-	5.152248264	0.948893451	-2.27837219	1.931037061
ENSRLOG00000014641	RELN	reelin [Source:NCBI gene:Acc:100049232]	4.38866463	2.5364791	-1.133414024	0.69938353
ENSRLOG00000008292	pnp5a	purine nucleoside phosphorylase 5a [Source:ZFIN:Acc:ZDB-GENE-040476-2553]	4.895100153	1.938674351	-2.230945724	0.725965396
ENSRLOG00000017242	-	-	18.03861404	11.27488188	-2.12931888	2.691768219
ENSRLOG00000003389	itgb3a	integrin beta 3a [Source:ZFIN:Acc:ZDB-GENE-071207-1]	4.418097853	0.748466748	-2.155256556	1.545593076
ENSRLOG00000015138	lrrc32	leucine rich repeat containing 32 [Source:ZFIN:Acc:ZDB-GENE-090630-11]	3.270039768	1.094496372	-1.15092006	1.02510844
ENSRLOG00000012662	ker94	keratin, type I cytoskeletal 13 [Source:NCBI gene:Acc:101160141]	4.384269735	1.474124632	-2.698989209	0.211640987
ENSRLOG00000005486	lbox	bobly sox homolog (Drosophila) [Source:ZFIN:Acc:ZDB-GENE-09104-306]	4.093161234	1.398210198	0.07824887	2.773669373
ENSRLOG00000015641	dfc6c	differentially expressed in FDCP 6c homolog [Source:ZFIN:Acc:ZDB-GENE-060503-87]	4.91413801	0.795638273	-1.435035376	2.689351072
ENSRLOG00000004222	fstl3	follicularin-like 3 (secreted glycoprotein) [Source:ZFIN:Acc:ZDB-GENE-050913-111]	3.544933558	-0.597288362	-4.403607057	-0.260900531
ENSRLOG00000003013	lpar6a	lysophosphatidic acid receptor 6a [Source:ZFIN:Acc:ZDB-GENE-061013-343]	4.325091195	2.093900111	-1.561613022	0.670063323
ENSRLOG00000003048	mala	myelin and lymphocyte protein [Source:NCBI gene:Acc:101170152]	17.55624199	12.91785874	-2.782158993	1.856691515
ENSRLOG00000007410	-	-	5.705179669	1.90953445	-2.27852644	1.517605129
ENSRLOG00000004980	adams1	ADAM metalloproteinase with thrombospondin type 1 motif 1 [Source:ZFIN:Acc:ZDB-GENE-070814-1]	3.758769774	1.50230392	-3.501735911	-1.244784781
ENSRLOG00000014372	cdk42ep1b	CDK42 effector protein (Rho GTPase binding) 1b [Source:ZFIN:Acc:ZDB-GENE-120215-219]	4.712591344	1.523823493	-2.12084477	1.068044496
ENSRLOG00000010729	ches1	checkpoint suppressor 1 [Source:ZFIN:Acc:ZDB-GENE-040217-11]	3.294153131	1.231307093	-0.991229828	1.072090404
ENSRLOG00000015357	smug1	single-strand-selective monofunctional uracil-DNA glycosylase 1 [Source:ZFIN:Acc:ZDB-GENE-030131-9473]	3.473553394	1.39096626	-1.62761347	0.455460101
ENSRLOG00000010032	cpb1	carboxypeptidase B1 [Source:NCBI gene:Acc:101169819]	7.051475306	0.995571272	-6.77844683	-0.711455828
ENSRLOG00000006540	si.ch211-1632l	si.ch211-1632l.8 [Source:ZFIN:Acc:ZDB-GENE-041008-93]	6.999924577	3.96310291	-0.533663353	3.070418329
ENSRLOG00000005820	-	-	3.695861017	2.035138074	-1.105215126	0.555988588
ENSRLOG00000001650	cytb	cytochrome b-245, beta polypeptide (chronic granulomatous disease) [Source:ZFIN:Acc:ZDB-GENE-040426-1380]	5.425295653	2.704668975	-2.87613327	-0.155023479
ENSRLOG00000015444	tpka	inositol-trisphosphate 3-kinase A [Source:ZFIN:Acc:ZDB-GENE-030616-116]	5.322046843	1.174141102	-2.341278298	1.80711249
ENSRLOG00000013386	tm6d6	transmembrane 624 trafficking protein 6 [Source:ZFIN:Acc:ZDB-GENE-131121-182]	6.210161904	3.275843885	-3.408458423	-0.473655099
ENSRLOG00000016361	-	-	4.345203184	1.221825402	-1.262134096	1.861728761
ENSRLOG00000008679	H3hc	histone H3.3 [Source:NCBI gene:Acc:101163693]	3.42071398	1.192791403	-0.38166411	1.852100775
ENSRLOG00000002782	TCG (1 of mar)	4981694855 [Source:HGN:Symbol:Acc:HGN:4191]	4.981694855	0.175942172	-2.425039203	-2.35696981
ENSRLOG00000000958	-	-	5.238256377	2.560401769	-2.822605885	-0.144268806
ENSRLOG00000011131	pmp22b	peripherin myelin protein 22 [Source:NCBI gene:Acc:101160768]	4.261914037	1.856317485	-0.675601869	1.730479303
ENSRLOG00000006611	NACC2	NACC family member 2 [Source:HGN:Symbol:Acc:HGN:23846]	5.894161038	1.049393503	-2.707159758	2.138092476

ENSORLG00000010663	ela3l	chymotrypsin-like elastase family member 2A [Source:NCBI gene:Acc:101165737]	10.01339013	3.57369657	-17.5845499	-11.14479206
ENSORLG00000009239	acsbq2	acyl-CoA synthetase butyryl-CoA family member 2 [Source:ZFIN,Acc:ZDB-GENE-030131-7099]	3.026229322	1.229299857	-0.863812008	0.93360245
ENSORLG00000001258	rab25a	RAB25, member RAS oncogene family a [Source:ZFIN,Acc:ZDB-GENE-042127-69]	5.827123876	-0.257157534	-3.140282519	2.944483738
ENSORLG000000018034	col4a2	collagen, type IV, alpha 2 [Source:ZFIN,Acc:ZDB-GENE-070725-3]	4.209608519	1.619743844	-0.966533113	1.623816686
ENSORLG00000001038	-	-	3.062431047	1.69548537	-1.611306087	-0.243020617
ENSORLG00000007725	lmm3	lmm3-like 3 [Source:ZFIN,Acc:ZDB-GENE-030131-]	4.252969742	1.932164095	-0.118605957	2.206850448
ENSORLG000000017893	-	-	7.298083566	-11.10417938	-4.571837603	13.83083009
ENSORLG000000015894	-	-	3.064911319	1.958138991	0.712148069	1.819401271
ENSORLG000000011125	lapk3a	LAPK3A, kinase 3a [Source:ZFIN,Acc:ZDB-GENE-100921-50]	2.295665371	0.158731133	-7.544402789	0.555014994
ENSORLG000000010212	-	-	3.423672473	2.305031117	0.377528525	1.496853501
ENSORLG000000009360	cyba	cytochrome b-245 light chain [Source:NCBI gene:Acc:101105771]	3.712391787	1.564219844	-0.84677776	1.301878831
ENSORLG000000021753	ND1	NAADH dehydrogenase subunit 1 [Source:NCBI gene:Acc:8955441]	3.178893512	1.026975445	-0.098104602	2.054298447
ENSORLG000000007292	metrnl	mesenchyme like, glial cell differentiation regulator [Source:NCBI gene:Acc:101166875]	3.468941135	0.642814205	-0.303745223	2.522866786
ENSORLG000000004130	mb	myoD protein [Source:NCBI gene:Acc:101156224]	8.98274534	-0.631610862	-7.664404818	1.950439931
ENSORLG000000006083	-	-	4.849126811	-0.138200024	-2.955103388	2.054115289
ENSORLG000000013153	apodb (1 of m)	apolipoprotein Db [Source:ZFIN,Acc:ZDB-GENE-051023-8]	7.236043034	3.012957613	-2.626019964	1.597550856
ENSORLG000000013965	ret	ret proto-oncogene receptor tyrosine kinase [Source:ZFIN,Acc:ZDB-GENE-980526-307]	3.410363581	-0.681607479	-2.745414936	1.347041391
ENSORLG000000017142	itpkb	inositol-trisphosphate 3-kinase B [Source:ZFIN,Acc:ZDB-GENE-041014-166]	3.212740056	2.108308784	0.291038256	1.399594604
ENSORLG000000016711	meox2a	mesenchyme homeobox 2a [Source:ZFIN,Acc:ZDB-GENE-090613-1]	15.80618936	13.24318737	-2.356127575	0.207340063
ENSORLG000000017937	-	-	3.006467222	0.533796077	-2.96207734	-0.488861316
ENSORLG000000004460	pdk4	dynamin-dependent kinase, isozyme 4 [Source:ZFIN,Acc:ZDB-GENE-060503-754]	4.137719682	1.844763143	-0.866304662	1.427137717
ENSORLG000000001463	eml2	echinoderm microtubule associated protein like 2 [Source:ZFIN,Acc:ZDB-GENE-050706-71]	3.97892688	0.634635337	-2.391824877	0.952951593
ENSORLG000000012199	MAPKAPK3	mitogen-activated protein kinase-activated protein kinase 3 [Source:HGNC Symbol,Acc:HGNC:6888]	3.069596776	1.950563439	0.143375725	1.262894016
ENSORLG000000002020	-	-	4.500474772	1.708415937	-3.394808139	-0.602264303
ENSORLG000000015001	pmela	premelanosome protein a [Source:ZFIN,Acc:ZDB-GENE-030131-9818]	4.71066297	0.60465386	-2.29884088	1.807653254
ENSORLG000000004713	ifitp5a	insulin-like growth factor binding protein 5a [Source:ZFIN,Acc:ZDB-GENE-070520-8]	6.118255007	0.92145979	-3.864508332	1.332816241
ENSORLG000000000449	ckma	creatine kinase M-type [Source:NCBI gene:Acc:101166239]	6.666240738	-1.038330727	-7.53135972	0.173694098
ENSORLG000000016062	plcx1	phosphatidylinositol-specific phospholipase C, X domain containing 1 [Source:ZFIN,Acc:ZDB-GENE-131127-240]	3.697896011	1.967257757	-0.968311256	0.762752071
ENSORLG000000002435	SPRED2	sprouty related EVH1 domain containing 2 [Source:HGNC Symbol,Acc:HGNC:17722]	4.667712073	1.911597178	-1.448947998	1.307651594
ENSORLG000000010872	-	-	3.324968508	2.184657427	1.58813085	2.708925166
ENSORLG000000009429	nr2f2	nuclear receptor subfamily 2, group F, member 2 [Source:ZFIN,Acc:ZDB-GENE-990415-257]	3.298882184	1.809396953	-1.619177644	-0.129207309
ENSORLG000000007187	si.ch1073-184	si.ch1073-184z2.1 [Source:ZFIN,Acc:ZDB-GENE-081104-74]	9.337707948	4.431398478	-3.998096596	0.908680733
ENSORLG000000009131	SLC16A7	solute carrier family 16 member 7 [Source:HGNC Symbol,Acc:HGNC:10928]	4.047961769	1.234519571	-1.196004731	1.617928881
ENSORLG000000000490	-	-	3.589514847	1.105290182	-0.236587787	2.248121765
ENSORLG000000010885	-	-	4.656869767	2.598020711	-1.100758072	1.059121581
ENSORLG000000010383	-	-	3.014039953	2.84710195	-4.055948587	-3.888528012
ENSORLG000000008455	cdtjfab	platelet derived growth factor subunit A [Source:NCBI gene:Acc:101158282]	5.046079451	2.294904722	-2.06560317	0.686055999
ENSORLG000000020952	Rf00001	ES ribosome RNA [Source:NCBI gene:Acc:111949014]	7.368534603	4.775574153	0.292040973	2.883492478
ENSORLG000000015472	-	-	4.709484438	3.42942191	-0.978668333	0.301878702
ENSORLG000000006152	rg1l	immunoresponsive gene 1, like [Source:ZFIN,Acc:ZDB-GENE-081103-301]	5.237260978	0.950342776	-6.440269667	-0.356624318
ENSORLG000000014801	znf292a	zinc finger protein 292a [Source:ZFIN,Acc:ZDB-GENE-071004-18]	3.209196447	1.94985018	1.295136343	2.554967379
ENSORLG000000006559	dup1	dual specificity phosphatase 1 [Source:ZFIN,Acc:ZDB-GENE-040426-2018]	3.946381482	0.935582038	-1.225257187	1.786027344
ENSORLG000000015372	-	-	3.889901533	2.631943932	-1.292208077	-0.233754635
ENSORLG000000017760	dct	dicoumarol tautomerase [Source:ZFIN,Acc:ZDB-GENE-000508-1]	3.954361226	0.634771596	-0.873530442	2.446543272
ENSORLG00000002614	FBN1	fibrillin 1 [Source:HGNC Symbol,Acc:HGNC:3603]	3.408420467	1.662185511	-1.783292254	-0.038572096
ENSORLG000000017906	-	-	3.076900923	1.695241981	-1.125796445	0.256347414
ENSORLG000000009085	aplnrb	apelin receptor b [Source:ZFIN,Acc:ZDB-GENE-050913-90]	4.377136024	2.079199646	-1.451286428	0.847135277
ENSORLG000000010894	-	-	16.00793283	12.52868288	-0.53418178	2.348522477
ENSORLG000000016106	-	-	7.057921336	5.430707975	-1.138401089	0.487161015
ENSORLG000000010823	ctse	catherin C [Source:ZFIN,Acc:ZDB-GENE-030619-9]	3.910709261	0.886791441	-2.157002103	0.867400646
ENSORLG000000011195	zgc:165502	I2UMO1 receptor, JUNO [Source:HGNC Symbol,Acc:HGNC:20265]	5.910715022	1.019588224	-3.699679354	1.191932257
ENSORLG000000007224	-	-	4.867813875	1.495021844	-1.085582982	2.287693818
ENSORLG000000005228	-	-	3.581834027	1.728116608	-1.049773203	0.80442899
ENSORLG000000007084	-	-	3.910982511	-0.461658356	-3.08557412	1.3118658
ENSORLG000000009507	-	-	4.314043266	1.472829113	-0.64599494	2.195702421
ENSORLG000000006848	ptgir	prostaglandin I2 receptor [Source:ZFIN,Acc:ZDB-GENE-120511-1]	4.261597001	1.417528693	-2.161846682	0.682705658
ENSORLG000000016791	bcl2b	BCL2L1, apoptosis regulator b [Source:ZFIN,Acc:ZDB-GENE-110411-185]	4.535877934	1.77606758	-1.362304578	1.397991993
ENSORLG000000003383	chdh	choline dehydrogenase [Source:ZFIN,Acc:ZDB-GENE-110211-1]	3.813556783	2.081358022	0.233954952	1.96638735
ENSORLG000000021622	Rf00405	small nucleolar RNA SNORA44 [Source:NCBI gene:Acc:111948272]	4.163079204	2.305803319	0.485033777	2.342794384
ENSORLG000000002726	shna1b	shna-like 1 [Source:NCBI gene:Acc:101156648]	4.738888812	1.499528647	-1.542201411	1.698621373
ENSORLG000000004915	TNFRSF11B	TNF receptor superfamily member 11b [Source:HGNC Symbol,Acc:HGNC:11909]	6.690315894	3.879078844	-0.915020949	1.896712906
ENSORLG000000010754	si.ch73-174b1	si.ch73-174b16.4 [Source:ZFIN,Acc:ZDB-GENE-160728-69]	3.343574526	1.103084913	-0.335286953	1.905688338
ENSORLG000000005509	ngfrb	nerve growth factor receptor b [Source:ZFIN,Acc:ZDB-GENE-070606-2]	3.21935972	0.08383287	-1.52549515	1.610638407
ENSORLG000000007478	nmnat2	nicotinamide nucleotide adenyltransferase 2 [Source:NCBI gene:Acc:101156529]	16.18988574	13.00350913	-0.554440136	2.632405182
ENSORLG000000007556	her6	heparin-binding epidermal growth factor-like growth factor 6 [Source:ZFIN,Acc:ZDB-GENE-980526-144]	3.494350718	1.599639782	-0.469914775	1.425280972
ENSORLG000000002112	srna23	serine protease 23 [Source:ZFIN,Acc:ZDB-GENE-030131-9149]	4.268868495	2.474990232	-1.340061236	0.454302093
ENSORLG000000015886	307	dermatocan [Source:NCBI gene:Acc:101166619]	4.645439353	1.920194515	-3.17860512	-0.482876986
ENSORLG000000016705	ACVR1C	activin A receptor type 1C [Source:HGNC Symbol,Acc:HGNC:18123]	5.401154318	-2.167387159	-1.363755552	6.205249355
ENSORLG000000009387	plaua	plasminogen activator, urokinase 8 [Source:ZFIN,Acc:ZDB-GENE-030313-278]	4.510260041	3.291322605	-0.709910272	0.509881706
ENSORLG000000010627	-	-	4.944068258	1.866728957	-1.787143962	1.290678001
ENSORLG000000013293	-	-	3.693410426	1.6279778	-0.789898887	1.26692847
ENSORLG000000004482	map3k8	mitogen-activated protein kinase kinase 8 [Source:ZFIN,Acc:ZDB-GENE-100316-8]	3.208463209	-0.037921467	-1.308119165	1.938750638
ENSORLG000000000616	-	-	5.878437766	0.38142029	-3.19015672	2.308486278

ENSORLG00000009873	sdkey-26133	carbohydrate sulfotransferase 12 [Source:NCBI gene:Acc:101166690]	3.733738843	2.496481419	-0.437435208	0.798307842
ENSORLG00000002620	ast16	ankyrin repeat and SOCS box containing 16 [Source:ZFIN:Acc:ZDB-GENE-031031-3]	3.335149755	-0.138675325	-1.088338363	2.385970923
ENSORLG00000003028	-	-	4.634832873	1.187250656	-2.700016204	0.748048918
ENSORLG000000012170	MAFG (1 of m	transcription factor MAFG [Source:NCBI gene:Acc:101156633]	16.97535596	11.61654425	-2.444044293	2.915235775
ENSORLG000000012100	itr82	Int1RIM family, member 82 [Source:ZFIN:Acc:ZDB-GENE-030219-207]	3.957705437	2.315919416	-1.68574084	-0.043470021
ENSORLG000000012708	lyn	LYN proto-oncogene, Src family tyrosine kinase [Source:ZFIN:Acc:ZDB-GENE-040912-7]	4.381223008	1.513035605	-2.354131077	0.514539864
ENSORLG000000009318	-	-	5.842224073	2.172296555	-1.172958588	2.383857347
ENSORLG000000011060	apc1a	apiclinic 1a [Source:ZFIN:Acc:ZDB-GENE-051120-147]	4.370003951	0.805963536	-0.861518679	2.69004904
ENSORLG000000012055	hkl1	H2D-like homeo box 1 (Drosophila) [Source:ZFIN:Acc:ZDB-GENE-030131-5304]	4.078315828	1.618061769	-2.182976085	0.2776247
ENSORLG00000002904	ctdnh1 (1 of m	ctdnh1 [Source:ZFIN:Acc:ZDB-GENE-010328-8]	4.578075101	-2.311795793	-4.495786547	2.396618749
ENSORLG000000007239	-	-	4.854353503	1.080830391	-1.498396706	2.275610749
ENSORLG000000003645	ahh14b	abhydrolase domain containing 14B [Source:ZFIN:Acc:ZDB-GENE-040426-1343]	4.293386312	0.756309106	-1.685885805	1.851675986
ENSORLG000000015171	slc16a10	solute carrier family 16 (anion/cation exchanger), member 10 [Source:ZFIN:Acc:ZDB-GENE-040426-1524]	4.410040589	0.577596738	-2.30603787	1.52689066
ENSORLG000000002007	efemp2a	EGF containing fibulin extracellular matrix protein 2a [Source:ZFIN:Acc:ZDB-GENE-041212-3]	4.296368417	2.295350141	-2.347666362	-0.346184101
ENSORLG000000012725	ldr2	immunoglobulin-like domain containing receptor 2 [Source:ZFIN:Acc:ZDB-GENE-050708-83]	3.664745061	1.761519044	0.317957343	2.22166855
ENSORLG000000013339	xyfl1	xylofuranase 1 [Source:ZFIN:Acc:ZDB-GENE-1111017-2]	4.324952079	0.331796636	-1.343057883	2.650623596
ENSORLG000000015871	hds1	hematopoietic cell-specific Lyn substrate 1 [Source:ZFIN:Acc:ZDB-GENE-030131-7191]	3.510863834	2.021478622	0.573325124	2.06319446
ENSORLG000000016085	hpk2	homeobox domain interacting protein kinase 2 [Source:ZFIN:Acc:ZDB-GENE-031125-4]	3.163213322	0.949790948	-3.110075558	-0.896169037
ENSORLG000000017511	NTSE (1 of m	5'-nucleotidase ecto [Source:HGNC Symbol/Acc:HGNC:8021]	4.674935025	2.977083451	-0.873655179	0.82497241
ENSORLG000000009712	slc5a1	solute carrier family 5 (sodium/glucose cotransporter), member 1 [Source:ZFIN:Acc:ZDB-GENE-040426-1524]	4.583050974	0.727344382	-3.273244705	0.582946995
ENSORLG000000002126	avor1ab	arginine vasopressin receptor 1A [Source:ZFIN:Acc:ZDB-GENE-041210-105]	3.46931979	2.022523152	0.005908503	1.45318977
ENSORLG000000012908	-	-	3.590215623	0.859306665	-0.879756595	1.85167594
ENSORLG000000002823	sema6dl	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D, like [Source:ZFIN:Acc:ZDB-GENE-050417-171]	5.96179762	3.322936141	-0.393006076	2.246344034
ENSORLG000000007290	-	-	5.22090146	2.127262349	-1.365261975	1.730050848
ENSORLG000000004201	-	-	3.32797672	1.571421417	-0.258601925	1.498439236
ENSORLG000000006036	rbck1	RanBP type and C3H1-type zinc finger containing 1 [Source:ZFIN:Acc:ZDB-GENE-040704-3]	4.197146584	0.34072109	-1.89450836	1.962401815
ENSORLG000000015390	dgkaa	diacylglycerol kinase, alpha a [Source:ZFIN:Acc:ZDB-GENE-060516-305]	3.461069611	0.933222519	-0.210760979	2.317570499
ENSORLG00000002237	slc17a5	solute carrier family 17 (acidic sugar transporter), member 5 [Source:ZFIN:Acc:ZDB-GENE-060929-1158]	3.479668883	-0.10217234	-1.94867904	1.633646834
ENSORLG000000011584	-	-	2.005031314	2.216285641	-2.501198277	-0.7119687377
ENSORLG000000016851	-	-	5.852979446	1.322502909	-2.47118626	2.061794161
ENSORLG000000021761	-	-	4.195025131	0.923515803	-1.039518184	2.232476138
ENSORLG000000006029	ndst3	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 3 [Source:ZFIN:Acc:ZDB-GENE-090312-199]	3.65271495	0.913276734	-3.435435922	-0.695514752
ENSORLG000000015572	gpr17	G protein-coupled receptor 17 [Source:ZFIN:Acc:ZDB-GENE-100922-133]	16.59203782	0	-2.272401505	14.32012783
ENSORLG000000014029	-	-	4.321548507	2.317590869	-2.812124073	-0.807681339
ENSORLG000000005970	-	-	5.319592106	1.746020315	-2.828558977	0.718610041
ENSORLG000000008925	-	-	4.334251228	1.792683591	0.061187124	2.62342037
ENSORLG000000010727	thbs2a	thrombospondin 2a [Source:ZFIN:Acc:ZDB-GENE-020708-2]	3.767736679	1.635743874	-0.684761584	1.447715851
ENSORLG000000010452	-	-	3.992530292	0.556669714	-1.132678727	2.30367771
ENSORLG000000017073	cxcl44	C-C motif chemokine 17 [Source:NCBI gene:Acc:101161792]	4.138063686	1.813780212	-2.335508455	-0.010740179
ENSORLG000000013510	mamd2b	MAM domain containing 2b [Source:ZFIN:Acc:ZDB-GENE-091117-16]	3.166265468	0.749188828	-1.70223465	0.697337949
ENSORLG000000004967	heph1b	hephaestin-like 1b [Source:ZFIN:Acc:ZDB-GENE-091204-388]	4.673776792	2.460052588	-1.114144796	1.10063997
ENSORLG000000002567	id4	DNA-binding protein inhibitor ID-4 [Source:NCBI gene:Acc:101162314]	5.83376248	0.63356815	-2.901870394	2.299020297
ENSORLG000000014514	esr1	estrogen receptor 1 [Source:ZFIN:Acc:ZDB-GENE-020806-5]	4.652918792	2.641021093	-1.223747966	0.788634749
ENSORLG000000006967	-	-	7.644735293	2.694762566	-5.358201522	-0.405743891
ENSORLG000000016741	msx1a	neuronal vesicle trafficking associated 1 [Source:NCBI gene:Acc:101168617]	3.489663825	0.013582346	-0.973689611	2.502876168
ENSORLG000000015380	-	-	6.69709068	1.897526888	-5.15589255	-0.375845401
ENSORLG000000015799	-	-	3.558886062	1.15798625	-0.962057979	1.433282553
ENSORLG000000003410	zpc-91968	melanoregulin [Source:NCBI gene:Acc:101159745]	5.222695671	0.872814244	-1.452051048	2.898317798
ENSORLG000000007003	pkc2	polycystic kidney disease 2 [Source:ZFIN:Acc:ZDB-GENE-040827-4]	3.250241013	1.664765625	0.240824503	1.82678476
ENSORLG000000013610	-	-	15.68064055	0	-15.68063533	0
ENSORLG000000009458	pk3cg	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit gamma [Source:ZFIN:Acc:ZDB-GENE-040426-2532]	3.582887285	1.804942619	-0.601072163	1.177356868
ENSORLG000000000187	ocad2	OCA domain containing 2 [Source:NCBI gene:Acc:101175427]	16.01092666	12.33060041	-0.91287095	2.767955512
ENSORLG000000000802	enpp2	ectonucleotide pyrophosphatase/phosphodiesterase 2 [Source:ZFIN:Acc:ZDB-GENE-040426-1156]	4.765256771	2.88439528	-2.260004061	-0.378651988
ENSORLG000000011266	stard10	STAR-related lipid transfer (STAR) domain containing 10 [Source:ZFIN:Acc:ZDB-GENE-040426-1797]	4.051138477	2.281159588	-0.672095029	1.098368467
ENSORLG000000015653	slc21l1-210b	slc21l1-210b2 3 [Source:ZFIN:Acc:ZDB-GENE-131122-13]	3.418519965	1.669339712	0.048265307	1.797927538
ENSORLG000000012089	gsmr1	peptidase domain containing associated with muscle regeneration 1 [Source:ZFIN:Acc:ZDB-GENE-100422-12]	3.492300294	2.326462147	1.446848529	2.613171486
ENSORLG000000014312	serpin1b	serpin family H member 1 [Source:NCBI gene:Acc:100529194]	4.060017288	2.164640836	-1.121091808	0.774769604
ENSORLG000000013930	mafbb	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog Bb [Source:ZFIN:Acc:ZDB-GENE-010605-4]	4.685064799	1.832261703	-3.009594729	-0.156308813
ENSORLG000000006650	capn12	cataalin 12 [Source:ZFIN:Acc:ZDB-GENE-050419-245]	4.238135563	-2.860135415	-2.0894864	5.068628732
ENSORLG000000018002	-	-	3.884881172	1.8714938	-0.571168856	1.442503435
ENSORLG000000011630	-	-	7.595785497	3.261600213	-4.032128454	0.302538288
ENSORLG000000011416	-	-	3.580596175	1.13543843	-0.612054714	1.833587518
ENSORLG000000010547	prf5a	proline rich 5a (renal) [Source:ZFIN:Acc:ZDB-GENE-130530-791]	3.453216671	1.305657222	-1.398798006	0.749254205
ENSORLG000000015985	-	-	6.302628336	0.004749658	-3.478952543	2.819411164
ENSORLG000000012688	star	matrix metalloproteinase, astacin regulatory protein (star), mRNA [Source:RefSeq]	3.65111295	1.74442958	1.02571961	2.932877806
ENSORLG000000013340	-	-	15.94710519	14.37756709	-1.571919999	-0.181914105
ENSORLG000000006594	mmp25b	matrix metalloproteinase 25b [Source:ZFIN:Acc:ZDB-GENE-100308-4]	5.605990908	2.94362532	-3.061523891	-0.398665812
ENSORLG000000004996	hoxa4a	homeobox protein Hox-A3a [Source:NCBI gene:Acc:100301584]	6.232963216	2.113529381	-2.657587375	1.462331794
ENSORLG000000017889	-	-	3.634420072	0.732681778	-2.322961604	0.579261286

	ENSRLO00000016348	-	4.272149821	-0.032756486	-4.245845961	0.059545648	
	ENSRLO0000001288	cdh5	cadherin 5 [Source:ZFIN;Acc:ZDB:GENE-040816-1]	3.937919564	2.80260136	-1.41263117	-0.27688774
	ENSRLO0000000162	stat1a	signal transducer and activator of transcription 1a [Source:ZFIN;Acc:ZDB:GENE-980526-499]	4.375486458	0.955853989	-1.74325155	1.676882212
	ENSRLO00000010229	knj13	potassium inwardly-rectifying channel, subfamily 1, member 13 [Source:ZFIN;Acc:ZDB:GENE-070129-1]	4.987826839	2.153151861	-4.13280782	-1.297648452
	ENSRLO00000013303	hmx1b	UM homeobox transcription factor 1, beta b [Source:ZFIN;Acc:ZDB:GENE-050114-2]	3.24630888	0.688270801	-1.409298007	1.149225879
	ENSRLO00000009686	zbtb46	zinc finger and BTB domain containing 46 [Source:ZFIN;Acc:ZDB:GENE-080119-392]	3.921413101	2.097903925	-1.446566557	0.378326924
	ENSRLO000000014587	sox10	Oryzias latipes SRY-box 10 (sox10), mRNA [Source:RefSeq; mRNA:Acc:NM_001164871]	5.53094732	1.324125735	-2.886690451	1.320644729
	ENSRLO00000004414	lbt	liver beta [Source:ZFIN;Acc:ZDB:GENE-110909-4]	4.612817988	-0.309015806	-1.434279479	3.4880877
	ENSRLO0000000178	adamts5	ADAMTS-like 5 [Source:ZFIN;Acc:ZDB:GENE-161017-]	4.031660435	2.063063589	-0.81738664	1.151752917
	ENSRLO00000016518	agor2	agouti 2 [Source:ZFIN;Acc:ZDB:GENE-131121-340]	4.317361427	1.326801196	-2.798075759	0.139918709
	ENSRLO00000006479	agor2	agouti 2 [Source:ZFIN;Acc:ZDB:GENE-131121-340]	4.784023072	0.92344597	-2.41017463	1.461345844
	ENSRLO00000001116	-	4.773421103	2.625958364	-1.818245002	0.330028986	-
	ENSRLO00000015847	-	4.056935897	1.615679299	0.170110295	2.61185391	-
	ENSRLO00000007525	trpm1b	transient receptor potential cation channel, subfamily M, member 1b [Source:ZFIN;Acc:ZDB:GENE-070424-31]	5.107277724	1.450526603	-2.398078217	1.259160439
	ENSRLO00000006662	psmt9-like	proteasome subunit, beta type 9-like [Source:NCBI gene:Acc:U9529167]	5.2034496	1.920513164	-1.593998535	1.689423011
	ENSRLO00000006922	-	4.89868-1 [Source:NCBI gene:Acc:U01156080]	7.184653061	1.456907167	-4.997437283	0.730796874
	ENSRLO00000003408	galnt12	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 12 [Source:ZFIN;Acc:ZDB:GENE-080503-704]	4.077317977	0.540939186	-0.981926364	2.554937291
	ENSRLO00000001039	arndc3b	arrestin domain-containing protein 3 [Source:NCBI gene:Acc:U011669661]	4.393117881	2.387214237	-1.626589646	0.379798667
	ENSRLO00000017811	cyp8b2	cytochrome P450, family 8, subfamily B, polypeptide 2 [Source:ZFIN;Acc:ZDB:GENE-080212-9]	3.459498144	1.219311821	-1.776494296	0.464177052
	ENSRLO00000012255	-	3.305158776	0.612591642	-2.029217513	0.663834347	-
	ENSRLO00000014522	eva1ba	eva-1 homolog Ba (C. elegans) [Source:ZFIN;Acc:ZDB:GENE-030131-8941]	3.965656904	1.853125375	-2.015031556	0.097985186
	ENSRLO00000014202	ctsd4b	Ctp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4b [Source:ZFIN;Acc:ZDB:GENE-030426-3]	4.322082724	1.581520156	-2.113037294	0.628010113
	ENSRLO00000003680	tspan34	tetraspanin 34 [Source:ZFIN;Acc:ZDB:GENE-060825-202]	4.721400214	0.168203399	-1.718753196	2.834928475
	ENSRLO00000004030	ak3 (1 of many)	FLK3 ETS-domain protein [Source:ZFIN;Acc:ZDB:GENE-030716-2]	5.887067827	3.376758068	-0.940879158	1.569917772
	ENSRLO000000015115	hmx2a	homeobox 2a [Source:ZFIN;Acc:ZDB:GENE-040914-13]	5.77293694	3.221855778	-0.513066973	2.038498117
	ENSRLO00000015670	tryp1	trypsinogen 1 [Source:ZFIN;Acc:ZDB:GENE-030131-6654]	4.949071186	1.970815615	-2.456517809	0.522228568
	ENSRLO00000014964	-	4.993967576	1.717572777	-1.373618746	0.908258331	-
	ENSRLO00000013851	knj16	potassium inwardly-rectifying channel, subfamily J, member 16 [Source:ZFIN;Acc:ZDB:GENE-130603-81]	5.980046509	-11.66614854	-7.003876201	10.64283693
	ENSRLO00000000415	dic	dehac [Source:ZFIN;Acc:ZDB:GENE-030125-4]	3.747975561	1.819137347	-1.407067197	0.522257821
	ENSRLO00000005777	hmod1b	hemodin 1b (smooth muscle) [Source:ZFIN;Acc:ZDB:GENE-141215-22]	4.09194579	1.835068074	-1.38954058	0.86781719
	ENSRLO00000003744	mfl165b	ring finger protein 165b [Source:ZFIN;Acc:ZDB:GENE-061104-369]	4.069582527	1.143635094	-0.262474113	2.663985202
	ENSRLO00000009474	-	3.138358335	0.58406285	-0.581334668	1.970923159	-
	ENSRLO00000012555	serpinb1	leukocyte elastase inhibitor [Source:NCBI gene:Acc:U01160389]	3.821031801	0.506456529	-0.727580748	2.587470387
	ENSRLO00000010596	apok4b	dedicator of cytokinesis 4b [Source:ZFIN;Acc:ZDB:GENE-060130-74]	4.042291827	1.51283549	-0.730764311	1.798727617
	ENSRLO00000000610	-	3.065366788	0.931734061	-0.92732074	1.206796108	-
	ENSRLO00000014171	kctd15a	potassium channel tetramerization domain containing 15 [Source:NCBI gene:Acc:U01166482]	5.058803719	1.844562711	-0.469729229	3.191981443
	ENSRLO00000014446	-	3.944286224	1.764099457	-2.189252927	-0.008581178	-
	ENSRLO00000016135	at23b	RAB25, member RAS oncogene family [Source:NCBI gene:Acc:U01171278]	4.468364823	1.164819041	-3.2570795	0.404951516
	ENSRLO00000013607	-	3.654769572	1.061151044	-0.497065787	2.097031566	-
	ENSRLO00000010308	-	4.292105752	0.934896928	-1.647651852	1.710331988	-
	ENSRLO00000001878	czalp1b	cellular retinoic acid-binding protein 1 [Source:NCBI gene:Acc:U01172157]	5.360505038	1.004269545	-2.392261362	1.964458051
	ENSRLO00000016794	cpalm8	C3 and F2P-like, alpha-2-macroglobulin domain containing 8 [Source:ZFIN;Acc:ZDB:GENE-050208-428]	3.977207534	1.393238998	-0.742845582	1.841607733
	ENSRLO00000005781	lrm49al	family with sequence similarity 49, member A-like [Source:ZFIN;Acc:ZDB:GENE-040801-125]	4.14009092	2.81744298	-2.424816339	-1.101796213
	ENSRLO00000015121	acx12	Oryzias latipes C-acyl-mono-ethoxycarbonyl-acyl-coenzyme A oxidase 12 (acx12), mRNA [Source:RefSeq]	3.327384524	1.714771733	-1.790518587	-0.177420883
	ENSRLO00000009865	ago4	argonaute RISC catalytic component 4 [Source:ZFIN;Acc:ZDB:GENE-030131-5357]	3.312305616	0.764120279	-1.664315444	0.88435406
	ENSRLO00000001368	gata2b	GATA binding protein 2b [Source:ZFIN;Acc:ZDB:GENE-040718-440]	8.426372589	1.759080901	-2.69513264	3.972653808
	ENSRLO00000014800	ghrb	growth hormone receptor b [Source:ZFIN;Acc:ZDB:GENE-071119-4]	4.582954356	0.514172268	-2.993170459	1.07609615
	ENSRLO00000006555	aplp1	amyloid beta (A4) precursor-like protein 1 [Source:ZFIN;Acc:ZDB:GENE-040319-11]	3.639594293	2.400232635	-0.772233234	0.467612491
	ENSRLO00000009205	apoea	apolipoprotein Ea [Source:ZFIN;Acc:ZDB:GENE-010724-18]	16.627914	12.00442063	-2.734835862	1.889124619
	ENSRLO000000014317	ubs2q1	ubiquitin conjugating enzyme E2 Q family like 1 [Source:NCBI gene:Acc:U01158214]	4.680397739	1.807988067	-0.271536815	2.601358546
	ENSRLO00000004135	RBPMS	RNA binding protein, mRNA processing factor [Source:NCBI gene:Acc:U01164593]	3.887776423	1.476463788	-2.293247295	0.118550365
	ENSRLO00000007433	zmp-0000011	zmp-000001188 [Source:ZFIN;Acc:ZDB:GENE-140106-128]	4.147242671	1.809499809	-2.562919873	-0.224691712
	ENSRLO00000002912	clnc	claudin 4 [Source:NCBI gene:Acc:U01160997]	6.036413904	0.641193114	-2.647099004	2.73995677
	ENSRLO0000001481	clnc	claudin 4 [Source:NCBI gene:Acc:U01158343]	5.784887511	0.88151458	-4.712515445	0.912935341
	ENSRLO00000009368	lowe	lysyl oxidase a [Source:ZFIN;Acc:ZDB:GENE-040426-2398]	4.488250222	0.508690729	-2.034722629	1.945321843
	ENSRLO00000013079	-	4.272117465	2.361058912	-1.268934773	0.642608738	-
	ENSRLO0000001068	-	5.306676006	2.784734916	-1.14602066	1.376395687	-
	ENSRLO00000006633	vax	homeobox protein vent1 [Source:NCBI gene:Acc:U01174125]	4.317092984	0.74959308	-0.771849242	2.845769006
	ENSRLO00000012072	smn1	smn1 [Source:ZFIN;Acc:ZDB:GENE-050523-3]	3.155979892	1.70620189	-1.457070138	-0.006806342
	ENSRLO00000012951	-	5.462529903	0.822029382	-4.151602464	0.489375388	-
	ENSRLO00000001165	hfl5	Kruppel-like factor 15 [Source:ZFIN;Acc:ZDB:GENE-030131-7844]	5.022967305	3.881574977	-1.887515369	-0.745637347
	ENSRLO00000003201	-	3.489856318	1.524510192	-1.921907222	0.043929	-
	ENSRLO00000011639	col6a1	collagen, type VI, alpha 1 [Source:ZFIN;Acc:ZDB:GENE-070501-61]	3.737702747	2.102328195	-2.152694728	-0.516835051
	ENSRLO00000002355	plaf	plasminogen activator, tissue type [Source:NCBI gene:Acc:U0009486]	4.652742538	2.33532595	-1.556067459	0.761808438
	ENSRLO00000016266	gdi1	GDP dissociation inhibitor 1 [Source:ZFIN;Acc:ZDB:GENE-050522-504]	3.202840259	1.457179079	0.14913246	1.895277725
	ENSRLO00000004419	CYP27C1	cytochrome P450 family 27 subfamily C, member 1 [Source:HGNC Symbol;Acc:HGNC:33480]	3.69882105	2.513055228	-0.879538916	0.306719891
	ENSRLO00000001861	pard6b	par-6 family cell polarity regulator beta [Source:NCBI gene:Acc:U01159990]	4.281667959	2.178058826	-1.168935889	0.935158007
	ENSRLO00000015884	clc25a18	scute carrier family 25 (glutamate carrier), member 18 [Source:ZFIN;Acc:ZDB:GENE-041111-192]	3.859395997	1.303162783	-1.716086731	0.840598764
	ENSRLO00000014421	cyp1a	Oryzias latipes cytochrome P450 1A (cyp1a), mRNA [Source:RefSeq; mRNA:Acc:NM_001105087]	8.89113566	1.63385512	-4.616752643	-2.41100987

ENSORL0000000586	-	-	4.309168752	-2.277067932	-4.40746576	2.179260585
ENSORL000000016155	adam28	ADAM metalloproteinase domain 28 [Source:ZFIN;Acc:ZDB-GENE-060929-532]	4.326649357	0.412013754	-1.904752343	2.010369402
ENSORL00000002089	cow6a2	cytochrome c oxidase subunit Via polypeptide 2 [Source:ZFIN;Acc:ZDB-GENE-040912-129]	6.909030232	1.335213996	-2.938474973	2.63582624
ENSORL000000013898	SLC6A18	solute carrier family 6 member 18 [Source:HGNC Symbol;Acc:HGNC:26441]	4.637168667	-1.029798099	-3.203851772	2.463599986
ENSORL00000001423	foxa3	forkhead box A3 [Source:ZFIN;Acc:ZDB-GENE-980526-423]	6.403827935	0.270875174	-3.244336603	2.889100965
ENSORL000000005991	TNNI2 (1 of m	troponin 12, fast skeletal type [Source:HGNC Symbol;Acc:HGNC:11946]	4.129144418	-1.817249628	-5.77026182	0.176617996
ENSORL00000004530	ezr66	ezrin domain-4 [Source:NCBI gene;Acc:101174176]	3.751365226	0.382081953	-1.662058964	1.707708347
ENSORL000000016196	zfp174917	zfp174917 [Source:ZFIN;Acc:ZDB-GENE-070929-421]	4.017435297	0.985142062	-1.951425707	1.080752979
ENSORL00000004948	-	-	4.87513674	1.775597372	-0.805088959	2.29494741
ENSORL000000010789	RAB38 (1 of m	RAB38, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:93776]	4.002897588	2.395538936	-0.194372886	1.41347076
ENSORL000000004510	-	-	4.399618036	2.294034776	-2.838591641	-0.732523417
ENSORL000000009691	-	-	3.906404772	1.841301891	0.876321123	2.941910226
ENSORL000000016702	-	-	3.821687481	2.113904882	-1.4911449	0.217423638
ENSORL000000015308	tdc1	decorin [Source:ZFIN;Acc:ZDB-GENE-010102-1]	3.485832723	2.154722688	-2.218205918	-0.886610732
ENSORL000000012111	ipar1	lysophosphatidic acid receptor 1 [Source:ZFIN;Acc:ZDB-GENE-030616-499]	3.889302836	3.062559088	0.621639482	1.448867965
ENSORL000000009682	-	-	3.73069374	0.337465335	-2.315918817	1.077715001
ENSORL0000000014763	fam234b	family with sequence similarity 234, member B [Source:ZFIN;Acc:ZDB-GENE-030131-2308]	3.057536058	-0.42584915	-1.604128503	1.879741185
ENSORL000000002921	nuak1b	NUAK family, SHP1-like kinases, 1b [Source:ZFIN;Acc:ZDB-GENE-131120-18]	3.652899862	1.953206087	-1.600884323	0.09968414
ENSORL000000005029	-	-	3.45092005	-0.255570422	-3.600648605	0.106327249
ENSORL000000008729	cavin2a	caveolin associated protein 2a [Source:ZFIN;Acc:ZDB-GENE-090313-215]	4.560456192	1.466932817	-1.812231445	1.281776691
ENSORL000000010906	p2ry6	P2Y receptor family member 8 [Source:ZFIN;Acc:ZDB-GENE-070912-447]	3.113647166	2.739715324	-0.87893418	-0.504517897
ENSORL000000008593	-	-	5.442428514	2.578081239	-0.072324824	2.792506618
ENSORL000000005037	hoxa11a	homeobox A11a [Source:ZFIN;Acc:ZDB-GENE-000823-8]	4.286082436	0.565869286	-2.014815335	1.705883945
ENSORL000000013091	khk	ketohexokinase [Source:ZFIN;Acc:ZDB-GENE-040718-381]	3.938689122	0.790841176	-2.176357017	0.971976036
ENSORL000000014348	cavin1b	caveolin associated protein 1b [Source:ZFIN;Acc:ZDB-GENE-030131-3509]	3.807123514	2.301332484	-2.061674781	-0.55539886
ENSORL000000006233	si.ch211-5941	-	4.137092181	1.309548884	-1.087909628	1.740072595
ENSORL000000011214	-	-	5.319771716	1.096037176	-2.743801926	1.480417643
ENSORL000000001073	crocc2	ciliary rootlet coiled-coil, rootletin family member 2 [Source:ZFIN;Acc:ZDB-GENE-131121-625]	4.268812318	2.079376421	-0.409913497	1.780006586
ENSORL000000004725	cep170aa	centrosomal protein 170Aa [Source:ZFIN;Acc:ZDB-GENE-090312-109]	4.332121715	1.961293035	0.042636389	2.413955175
ENSORL000000013417	barx2	BARX homeobox 2 [Source:NCBI gene;Acc:101170038]	4.197363354	0.209473582	-2.874967339	1.113407152
ENSORL000000012953	hey1	hes-related family D/HLH transcription factor with YRPW motif 1 [Source:ZFIN;Acc:ZDB-GENE-000607-70]	3.674829417	0.899755352	-1.459956348	1.315602918
ENSORL000000003950	acs2l	acyl-Coenzyme A synthetase, cytosolic [Source:NCBI gene;Acc:101172107]	4.354873312	2.179497385	-1.749239792	0.4266223
ENSORL000000000492	lhx1	ligand of numb-protein X 1 [Source:ZFIN;Acc:ZDB-GENE-030131-3439]	4.722549965	1.539012818	-2.709756929	0.474266182
ENSORL000000018012	esr2b	estrogen receptor 2b [Source:ZFIN;Acc:ZDB-GENE-030116-1]	4.098141509	1.040629626	-1.580189243	1.477807952
ENSORL000000002405	dmgdh	dimethylglycine dehydrogenase [Source:ZFIN;Acc:ZDB-GENE-080227-8]	5.881233165	1.630571592	-2.289529025	1.961617417
ENSORL000000015247	cdk19	cyclin-dependent kinase 19 [Source:ZFIN;Acc:ZDB-GENE-040724-19]	3.233721331	1.397791558	-0.00284796	1.828130688
ENSORL000000006617	si.ch211-1139c	si.ch211-1139c	5.136177903	0.633249591	-0.861719003	3.641691165
ENSORL000000002925	-	-	4.826570728	2.878998167	-0.763700710	1.221455889
ENSORL000000010397	-	-	3.841118664	1.958010183	-2.058122284	2.198200113
ENSORL000000015009	eef2b	eukaryotic translation elongation factor 2 [Source:NCBI gene;Acc:101162480]	4.492864998	1.625884119	-0.725144813	1.242322136
ENSORL000000017943	foliastatin 1	foliastatin like 1 [Source:NCBI gene;Acc:101174309]	3.715301335	2.652884379	-1.475159707	-0.412257829
ENSORL000000006061	BLNK	B cell linker [Source:HGNC Symbol;Acc:HGNC:14711]	4.600491027	2.736465198	-1.699338585	0.165091605
ENSORL000000004528	-	-	3.603842823	2.142328336	-0.439065759	1.02940308
ENSORL000000016565	qrfb3	transforming growth factor, beta 3 [Source:ZFIN;Acc:ZDB-GENE-030723-4]	4.094384778	1.668106848	-1.030927407	1.3958355
ENSORL000000007122	CNTNAP2	contactin associated protein like 2 [Source:HGNC Symbol;Acc:HGNC:13830]	3.25041849	-14.21672616	-4.015360896	13.45228629
ENSORL000000009579	-	-	3.996897485	1.539754827	-0.68664605	1.771581188
ENSORL0000000003181	noxo1b	NADPH oxidase organizer 1b [Source:ZFIN;Acc:ZDB-GENE-101203-1]	3.824105494	-0.20909344	-2.32366483	1.709818077
ENSORL0000000015062	-	-	3.363912845	2.230002853	-1.255957551	-0.121562808
ENSORL0000000005251	grem2a	gremlin 2, DAN family BMP antagonist a [Source:ZFIN;Acc:ZDB-GENE-131127-498]	4.41417143	-1.305756364	-0.374899691	5.346925191
ENSORL000000006031	gna3	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3 [Source:ZFIN;Acc:ZDB-GENE-070713-6]	6.286126642	4.75032571	0.78405466	2.320794484
ENSORL000000002212	-	-	4.158062896	0.473876365	-1.540947071	2.144773818
ENSORL000000014037	si.ch73-334d1	si.ch73-334d1	5.349465216	2.551166449	-2.908106305	-0.109322375
ENSORL000000012678	GPR137B (1 of	G protein-coupled receptor 137B [Source:HGNC Symbol;Acc:HGNC:11862]	3.666496197	1.385183589	-2.254392742	0.027405024
ENSORL000000010799	-	-	3.151397055	0.11578039	-0.100152239	2.93951601
ENSORL000000015549	bin2a	bridging integrator 2a [Source:ZFIN;Acc:ZDB-GENE-041114-126]	5.461214458	1.105150771	-1.83971307	2.51677873
ENSORL000000011131	rfl1b	interferon regulatory factor 1 [Source:NCBI gene;Acc:101163420]	4.282340898	1.920439338	-0.607485749	1.754900642
ENSORL000000010105	ms2a	mesin 2a [Source:ZFIN;Acc:ZDB-GENE-090312-163]	4.037578248	1.982364128	-2.128712488	0.527000533
ENSORL000000010191	ckmb	creatine kinase M-type [Source:NCBI gene;Acc:101163677]	6.371220288	0.425411097	-0.656421662	-0.110129021
ENSORL000000012193	h2p21	H. h2p21 [Source:ZFIN;Acc:ZDB-GENE-080104-3]	5.458998187	2.156818738	-2.472581878	0.830138169
ENSORL000000010150	galact3b	galactin-5 [Source:NCBI gene;Acc:101159056]	5.20745305	1.278895204	-1.396315212	2.53277681
ENSORL000000015554	si.ch73-194h1	si.ch73-194h1	4.482537946	-0.70249007	-2.726760978	2.458752238
ENSORL000000017515	run3	run1-related transcription factor 3 [Source:ZFIN;Acc:ZDB-GENE-000605-2]	5.618973655	1.525673375	-3.35534071	0.738443549
ENSORL000000003147	-	-	3.559512614	0.541956992	-0.077095519	2.940844593
ENSORL000000014612	hst11b	extended synaptotagmin-like protein 1b [Source:ZFIN;Acc:ZDB-GENE-040724-209]	3.912731528	1.894463529	0.456184915	2.474938166
ENSORL00000002994	mc2	midline 2 [Source:ZFIN;Acc:ZDB-GENE-090220-1]	4.509248402	1.22432178	-0.503557608	2.781851683
ENSORL000000013440	prnc1b	paired related homeobox 1 [Source:NCBI gene;Acc:101166213]	4.504800212	-0.5522155	-2.751966377	2.305344644
ENSORL000000013521	-	-	5.243751593	1.573653914	-0.911488581	2.75087098
ENSORL000000013408	psme2	proteasome activator subunit 2 [Source:NCBI gene;Acc:101173098]	3.197932359	0.955875352	-0.201855335	2.040686529
ENSORL00000001892	lsta	foliastatin a [Source:ZFIN;Acc:ZDB-GENE-990714-11]	4.934460661	2.076347304	-1.860083159	0.998516506
ENSORL000000007450	ark	Cytoskeleton-associated related homeobox (ark), mRNA [Source:RefSeq; mRNA; Acc:NM_001122913]	3.134725199	1.993420166	-1.916728399	-0.77498186
ENSORL000000013739	-	-	3.256801155	0.238627563	-2.221222574	0.797536156
ENSORL000000013822	si.ch211-225h	si.ch211-225h	2.58319154	1.684133074	0.02018535	1.594836222
ENSORL000000004146	-	-	6.011650957	-0.451538831	-5.697302602	0.766370293

ENSORLG0000000257	slc4a1a	solute carrier family 4 (anion exchanger), member 1a (Diego blood group) [Source:ZFIN;Acc:ZDB-GENE-010525-1]	5.024556219	-1.610585595	-4.617222042	2.018405838
ENSORLG00000013949	PTPNC1	phosphatidylinositol transfer protein cytoplasmic 1 [Source:HGNC Symbol;Acc:HGNC:21045]	5.173751762	2.790767172	-1.21001089	1.173457088
ENSORLG00000008095	aps8b1b	aps8b1b [Source:ZFIN;Acc:ZDB-GENE-050506-143]	3.358438302	-1.111292019	-1.870767043	2.58744543
ENSORLG00000003115	phospho1a	phosphatase, orphan 1 [Source:ZFIN;Acc:ZDB-GENE-040801-198]	6.953604677	2.685135902	-5.001234682	-0.732281836
ENSORLG00000011891	-	-	3.140516747	1.404616474	-0.740645178	1.495739888
ENSORLG00000000252	-	-	5.247543991	1.645855151	-2.277302165	3.74871654
ENSORLG00000000400	-	-	4.245777377	-0.82116468	-4.599658687	0.467767901
ENSORLG000000002977	mk2a	MK2/myocardin-like 2a [Source:ZFIN;Acc:ZDB-GENE-135331-36]	3.421997524	0.579613337	-1.365118753	1.477750475
ENSORLG000000005031	sl00a10b	protein sl00a10 [Source:NCBI gene;Acc:101155699]	5.901841074	1.73534751	-2.525914254	1.641064156
ENSORLG00000010277	crabp2a	cellular retinoic acid binding protein 2, a [Source:ZFIN;Acc:ZDB-GENE-030320-4]	3.295020498	2.053887887	-1.317520881	-0.075903096
ENSORLG00000012969	nt5c2b	5'-nucleotidase, cytosolic 1b [Source:ZFIN;Acc:ZDB-GENE-061013-5221]	4.477122359	1.499895086	-0.857568079	2.120144098
ENSORLG00000017666	araa2	amphiregulin [Source:ZFIN;Acc:ZDB-GENE-141216-239]	5.583421324	1.431049874	-3.97470688	0.188148878
ENSORLG00000013861	snai1a	snail family zinc finger 1a [Source:ZFIN;Acc:ZDB-GENE-990415-255]	5.193969887	3.040282133	-2.467530986	-0.31335818
ENSORLG00000013801	gprc5c	G protein-coupled receptor, class C, group 5, member C [Source:ZFIN;Acc:ZDB-GENE-070929-271]	6.303697649	0.280613501	-3.513205747	2.510361839
ENSORLG00000008111	slc46a1	solute carrier family 46 member 1 [Source:NCBI gene;Acc:101170694]	4.501814614	-0.176228759	-0.807631685	3.870896797
ENSORLG00000011179	zch6	zinc finger CCHC-type containing 6 [Source:ZFIN;Acc:ZDB-GENE-120727-18]	3.436620712	1.039356745	-0.147336639	2.250411654
ENSORLG00000014879	myct1a	myc target 1a [Source:ZFIN;Acc:ZDB-GENE-041001-]	3.272429056	0.83731284	-1.096861841	1.2888987177
ENSORLG00000008674	clornf9	Cl1 and TNF related 9 [Source:ZFIN;Acc:ZDB-GENE-080303-33]	17.05716297	-	-17.05715778	0
ENSORLG00000015708	slc3kyp-110c	complement C1q-like protein 4 [Source:NCBI gene;Acc:101185854]	5.73357242	2.523182233	-3.942179483	-0.731301938
ENSORLG00000002966	tf	coagulation factor VIII, procoagulant component [Source:ZFIN;Acc:ZDB-GENE-090629-2]	3.594806492	1.554058612	-0.004908389	2.036232909
ENSORLG00000010362	nrarpa	NOTCH regulated ankyrin repeat protein [Source:NCBI gene;Acc:11344263]	3.301281354	1.188567687	-0.571768914	1.541411094
ENSORLG00000000810	-	-	17.32585941	10.40590729	-5.582361985	1.338060955
ENSORLG00000003765	rorca	RAR-related orphan receptor C a [Source:ZFIN;Acc:ZDB-GENE-990415-250]	4.192207555	0.844314263	-2.152810866	1.195565299
ENSORLG00000012328	slc3kyp-4e7.3	slc3kyp-4e7.3 [Source:ZFIN;Acc:ZDB-GENE-070912-542]	4.062640886	1.387250951	-0.271651355	2.404223674
ENSORLG00000010231	G0S2	G0S2/G0S2 switch 2 [Source:NCBI gene;Acc:101156888]	5.463242254	-0.523011966	-5.501655431	0.485083973
ENSORLG00000009983	slc15a2	solute carrier family 15 (oligosaccharide transporter), member 2 [Source:ZFIN;Acc:ZDB-GENE-030131-5866]	5.057322225	1.274697482	-3.374659158	0.408450788
ENSORLG00000008502	RARB	retinoic acid receptor beta [Source:HGNC Symbol;Acc:HGNC:5865]	4.939312346	3.000879595	-2.866892637	-0.929688593
ENSORLG00000017312	coll12a1a	collagen, type XII, alpha 1a [Source:ZFIN;Acc:ZDB-GENE-090728-1]	3.071353457	1.98188703	-2.997626513	-1.907675031
ENSORLG00000012894	apbb3	amyloid beta (A4) precursor protein-binding, family B, member 3 [Source:ZFIN;Acc:ZDB-GENE-140106-53]	3.256804997	1.675017188	-1.08050548	0.501727283
ENSORLG00000007430	tmem204	transmembrane protein 204 [Source:NCBI gene;Acc:101162065]	4.426007512	1.854343096	-2.39647291	0.175676264
ENSORLG00000017556	zpc113337	zpc113337 [Source:ZFIN;Acc:ZDB-GENE-050306-20]	7.502366103	3.750551067	-2.104094545	1.748213999
ENSORLG00000017667	gata6	GATA binding protein 6 [Source:NCBI gene;Acc:101159296]	3.572710785	1.793673515	-0.950929286	0.82852911
ENSORLG00000015230	slc3kyp-159a1b	slc3kyp-159a1b.1 [Source:ZFIN;Acc:ZDB-GENE-041210-204]	5.922953339	2.014676145	-0.248656867	3.660104587
ENSORLG00000000689	HKI (1 of many)	hexokinase 1 [Source:NCBI gene;Acc:101157031]	3.821738986	2.45849502	-1.143788272	0.222581829
ENSORLG00000011031	-	-	5.297886363	2.217792509	-2.370514258	1.288935671
ENSORLG00000009269	abcd4	ATP-binding cassette, sub-family B (MDR/TAP), member 4 [Source:ZFIN;Acc:ZDB-GENE-080204-50]	3.681476511	-0.884080669	-2.913708245	1.652333857
ENSORLG00000009061	cxcl12a	chemokine (C-X-C motif) ligand 12, chemokine receptor 1-derived factor 1 [Source:ZFIN;Acc:ZDB-GENE-030318-]	4.416944113	1.957916649	-2.95954791	-0.500035509
ENSORLG00000010189	cdgfr1	platelet derived growth factor receptor like [Source:NCBI gene;Acc:101165739]	5.579981562	-1.295697799	-5.173881386	1.70229317
ENSORLG00000003554	hntp1b	formin binding protein 1b [Source:ZFIN;Acc:ZDB-GENE-091117-61]	3.382267829	1.442548161	0.659065786	2.599270279
ENSORLG00000004253	-	-	6.846993847	1.022954516	-5.84048149	-0.015961426
ENSORLG00000017187	-	-	4.771748489	-12.47916891	-5.769103159	11.48232395
ENSORLG00000010042	agtr1b	angiotensin II receptor, type 1b [Source:ZFIN;Acc:ZDB-GENE-110411-117]	3.756930834	0.816916552	-1.334835165	1.605666065
ENSORLG00000000773	slc3kyp-2341a	slc3kyp-2341a.1 [Source:ZFIN;Acc:ZDB-GENE-131121-422]	16.68214544	13.58744235	-0.179295701	2.915874164
ENSORLG00000016860	slc3h211-251b	glutamate receptor 1 [Source:NCBI gene;Acc:101161898]	4.435400224	1.8054466	-2.685170002	-0.054731382
ENSORLG00000000060	brsk2b	BR serine/threonine kinase 2b [Source:ZFIN;Acc:ZDB-GENE-100422-3]	4.990533541	1.046711888	-1.392731658	2.551576918
ENSORLG00000006436	-	-	3.188918896	0.762301594	-2.801719719	-0.394618029
ENSORLG00000007024	-	-	3.827123773	0.572426506	-1.3724814	1.885698848
ENSORLG00000011866	cerk	ceramide kinase [Source:ZFIN;Acc:ZDB-GENE-041210-210]	4.805589893	1.53438212	-0.464387364	2.807305373
ENSORLG00000001411	-	-	3.075692745	-0.467022515	-2.176468644	1.416731224
ENSORLG00000010169	runx2b	run1-related transcription factor 2b [Source:ZFIN;Acc:ZDB-GENE-040629-4]	6.088456442	2.263313281	-1.558298862	2.267337601
ENSORLG00000016832	-	-	4.681775423	2.455211748	0.235868253	2.462916678
ENSORLG00000004731	-	-	15.89803495	9.994692855	-5.581066636	3.22739529
ENSORLG00000000391	zpc138461	zpc138461 [Source:NCBI gene;Acc:101161898]	7.267886421	1.455982041	-6.70146617	-0.888093864
ENSORLG00000004610	zrb33a	cyclic AMP-responsive element-binding protein 3-like protein 3-A [Source:NCBI gene;Acc:101171478]	5.499380209	1.824464451	-1.479175471	2.196228957
ENSORLG00000011102	-	-	4.848298521	2.100451193	-0.991884744	1.754447055
ENSORLG00000006725	-	-	3.224772899	0.173797967	-2.626302063	0.425157228
ENSORLG00000016341	-	-	3.034207641	0.337703999	-0.704757396	1.992235962
ENSORLG00000006891	-	-	3.984935857	0.884935857	-0.844703585	1.55844798
ENSORLG00000005362	-	-	3.95269544	2.775203198	-0.358067317	0.827484433
ENSORLG00000004515	-	-	4.831097364	1.425215112	-0.476203093	2.930146081
ENSORLG00000012369	-	-	3.835296984	2.242823701	-1.27338981	0.37388951
ENSORLG00000009734	plek2	pleckstrin 2 [Source:ZFIN;Acc:ZDB-GENE-080219-2]	5.475782685	1.61351398	-2.150718099	1.712031276
ENSORLG00000006646	psmt8a	proteasome subunit beta 8a [Source:ZFIN;Acc:ZDB-GENE-990415-140]	5.275748857	2.01778881	-1.469128831	1.789316341
ENSORLG00000000918	efl1	E74-like E12 transcription factor 1 [Source:ZFIN;Acc:ZDB-GENE-980526-335]	3.762036728	0.588745586	-2.935620538	0.238156135
ENSORLG00000005755	rspo3	Oryzias latipes R-spondin 3 (rspo3), mRNA [Source:RefSeq mRNA;Acc:NM_00129248]	5.94472652	0.765571189	-2.686708295	2.492930307
ENSORLG00000016855	SKI	SKI proto-oncogene [Source:HGNC Symbol;Acc:HGNC:10896]	4.741702179	1.761105162	-2.605393482	0.375687946
ENSORLG00000006683	gpm1b	G protein signaling modulator 1b [Source:ZFIN;Acc:ZDB-GENE-1110203-5]	3.343503217	1.524679768	0.846919044	2.66622704
ENSORLG00000011745	rfl0	interferon regulatory factor 10 [Source:ZFIN;Acc:ZDB-GENE-040426-2084]	4.79451194	1.696512976	-1.545584877	1.552898416
ENSORLG00000002861	-	-	4.593195724	0.948319352	-4.543617479	-0.899256571
ENSORLG00000000238	-	-	5.079468459	0.158824428	-2.703811055	2.217318856
ENSORLG00000012812	-	-	3.267478224	2.020316272	-0.226395234	1.02125155
ENSORLG00000009338	slc3h211-161h	uncharacterized LOC101165601 [Source:NCBI gene;Acc:101165601]	4.579047917	1.200274393	-0.465883123	2.913427116
ENSORLG00000000349	slc3h211-762j	uncharacterized LOC101172412 [Source:NCBI gene;Acc:101172412]	5.300496198	0.401587774	-3.416653362	1.482738568

ENSORLG00000005490	KLF5	Kruppel like factor 5 [Source:HGNC Symbol;Acc:HGNC:6349]	4.739686663	0.97211995	-2.22486963	1.543184199
ENSORLG00000008664	ZNF503 (1 of 2)	zinc finger protein 503 [Source:NCBI gene;Acc:101155151]	4.391903561	1.271804088	-2.528719757	0.591863384
ENSORLG00000007251	twist1	Oryzias latipes twist family bHLH transcription factor 1 (twist1, mRNA, [Source:RefSeq mRNA;Acc:NM_001104707])	5.349524748	0.37404307	-2.672716532	2.303250607
ENSORLG000000015327	pip5k1ca	phosphatidylinositol-4-phosphate 5-kinase, type 1, gamma a [Source:ZFIN;Acc:ZDB-GENE-050208-388]	4.617531578	2.356365741	0.447068071	2.708717143
ENSORLG000000011369	sparc	secreted protein acidic and cysteine rich [Source:NCBI gene;Acc:100049536]	4.578540522	2.659840421	-0.827896143	1.09129898
ENSORLG000000017784	placr1	PI-ACB, like 1 [Source:ZFIN;Acc:ZDB-GENE-091204-165]	3.064207746	-0.542527987	-1.177751907	1.828014201
ENSORLG00000001590	placr1	PI-ACB, like 1 [Source:ZFIN;Acc:ZDB-GENE-091204-165]	5.244071442	0.65499918	-2.083193107	2.526403074
ENSORLG00000001285	uroc1	urocanate hydratase 1 [Source:NCBI gene;Acc:101174658]	7.582490988	3.186387252	-1.614484687	2.782124701
ENSORLG000000011278	-	-	3.514323938	1.260681224	0.472744218	2.728870975
ENSORLG000000017340	sidkey-121j17	sidkey-121j17.5 [Source:ZFIN;Acc:ZDB-GENE-030131-4745]	3.254402234	-0.366908066	-1.008932919	2.612861276
ENSORLG000000013335	RF9	interferon regulatory factor 9 [Source:HGNC Symbol;Acc:HGNC:61311]	4.062769782	1.163002195	-1.669244948	1.231007208
ENSORLG00000001780	sox2	SOX3 protein [Source:NCBI gene;Acc:1000493268]	5.234865826	0.754818193	-1.787379463	2.693189614
ENSORLG000000005823	-	complement factor properdin [Source:NCBI gene;Acc:101154973]	3.565965848	2.310200627	-2.521177729	-1.264927499
ENSORLG000000010261	-	-	3.906016995	2.447579044	-0.092731977	1.366191783
ENSORLG000000017415	matk	megakaryocyte-associated tyrosine kinase [Source:ZFIN;Acc:ZDB-GENE-070705-183]	3.632150066	1.24723067	-1.769519762	0.615889874
ENSORLG000000009298	elk3 (1 of 2)	ELK3, ETS-domain protein [Source:ZFIN;Acc:ZDB-GENE-030716-2]	5.193897557	1.226375057	-1.997980925	1.970024763
ENSORLG000000007167	brd2	bromodomain-related gene family, member 2 [Source:ZFIN;Acc:ZDB-GENE-060825-228]	3.775009111	-2.486128329	-1.444659725	4.816959833
ENSORLG000000002183	mbnl3	muscleblind-like splicing regulator 3 [Source:ZFIN;Acc:ZDB-GENE-081002-3]	4.321189872	1.178136321	-0.219588168	2.923950296
ENSORLG000000000410	shp2	calcium- and lipopolysaccharide-induced protein kinase 2 [Source:ZFIN;Acc:ZDB-GENE-030131-5810]	6.657802245	2.015251353	-3.619323988	1.03401007
ENSORLG000000016232	-	-	18.59602758	13.59643787	-1.186133429	1.787723788
ENSORLG000000002876	-	claudin 5 [Source:NCBI gene;Acc:101173553]	4.72163541	1.842338364	-3.355748833	2.07032411
ENSORLG000000002819	-	-	4.041288356	-0.129182608	-2.410665004	1.760392624
ENSORLG000000012806	orb-62m	b2 microglobulin [Source:NCBI gene;Acc:100049185]	5.728197733	1.740978843	-2.121743518	1.86659394
ENSORLG000000002927	-	-	3.92729318	-0.9349375	-1.950180979	3.76349012
ENSORLG000000006556	akor1	vitamin K epoxide reductase complex, subunit 1 [Source:ZFIN;Acc:ZDB-GENE-030131-2886]	3.014390309	1.295903831	-0.068941897	1.650029462
ENSORLG000000014973	htra1b	HtrA serine peptidase 1 [Source:NCBI gene;Acc:101160199]	3.046161904	-0.318602883	-2.188626527	1.176623381
ENSORLG000000009151	-	-	3.403306831	0.452807012	-0.655442315	2.295542588
ENSORLG000000018161	qor132b	G protein-coupled receptor 132b [Source:ZFIN;Acc:ZDB-GENE-040724-83]	3.386122824	-1.574739083	-1.081115696	3.880229519
ENSORLG000000014919	-	-	4.277547335	3.613655117	-0.52120362	0.143170419
ENSORLG000000011273	col1a1b	collagen, type I, alpha 1b [Source:ZFIN;Acc:ZDB-GENE-030131-4400]	5.261473093	2.067714767	-4.033065645	-0.840822291
ENSORLG000000015981	myf1	myosin light chain 1, skeletal muscle isoform [Source:NCBI gene;Acc:101167500]	3.741705665	0.234810104	-0.641508833	-2.53412596
ENSORLG000000012809	-	-	3.004525253	2.27151341	-0.634767113	0.148771968
ENSORLG000000012247	-	-	3.897895251	1.294431062	-1.297318769	1.306584607
ENSORLG000000004735	lmo2	LIM domain only 2 (rhombotin-like 1) [Source:ZFIN;Acc:ZDB-GENE-980526-419]	6.360719907	1.6588261	-2.611094617	2.09128562
ENSORLG000000005705	-	-	4.036248302	1.850103807	-1.907489422	0.279139881
ENSORLG0000000021759	-	-	4.511827187	1.170090733	-1.119041108	2.223179001
ENSORLG000000018031	col25a	C-2 motif chondronin 20 [Source:NCBI gene;Acc:101171112]	6.133030194	0.121987856	-3.097421901	2.914384299
ENSORLG000000012671	-	-	4.333612814	2.933506588	-2.091568536	-0.690977701
ENSORLG000000017352	qsox1	quiescin Q6 sulfhydryl oxidase 1 [Source:ZFIN;Acc:ZDB-GENE-030131-7018]	16.14661044	14.21062341	-3.261693401	-0.425239222
ENSORLG000000016549	mob3c	MOB kinase activator 3C [Source:ZFIN;Acc:ZDB-GENE-040704-32]	3.895399488	3.055027698	0.61370594	1.454561428
ENSORLG000000005216	scad8	scyl1-CoA dihydrogenase family member 8 [Source:NCBI gene;Acc:101188062]	3.81868258	1.17720354	-0.721058737	1.920905778
ENSORLG000000009017	-	beta-crystallin B3-like [Source:NCBI gene;Acc:10111323]	6.794531982	0.552418671	-5.764708255	0.47789539
ENSORLG000000004090	cdk6	cyclin dependent kinase 6 [Source:NCBI gene;Acc:101168879]	4.298889946	1.814508873	-0.765262986	1.719701891
ENSORLG000000010944	ctnnd1	catenin (cadherin-associated protein), delta 1 [Source:ZFIN;Acc:ZDB-GENE-110208-9]	4.771913785	0.406361697	-1.64118629	2.724850316
ENSORLG000000013127	meis2a	Meis homeobox 2 [Source:NCBI gene;Acc:101174873]	5.164361882	1.783370116	-2.416098238	0.96539669
ENSORLG000000015959	-	-	6.149707589	3.394693681	-1.227411649	1.528088690
ENSORLG000000014886	rorcb	RAR-related orphan receptor c b [Source:ZFIN;Acc:ZDB-GENE-040724-215]	4.637352788	1.983920376	-1.751351346	0.90256572
ENSORLG000000004418	ppp1r9a	protein phosphatase 1, regulatory subunit 9A [Source:ZFIN;Acc:ZDB-GENE-060503-860]	5.276035028	2.328787263	-0.226885996	0.920848235
ENSORLG000000003750	arg	arylsulfatase G [Source:ZFIN;Acc:ZDB-GENE-060503-154]	4.960256697	2.956954072	0.067968117	1.071572221
ENSORLG000000017047	PLD4	phospholipase D family member 4 [Source:HGNC Symbol;Acc:HGNC:23782]	4.776842794	2.698788288	-0.925247093	1.152392515
ENSORLG000000003559	slc43a1a	transporter, member 1a [Source:ZFIN;Acc:ZDB-GENE-040724-215]	5.891831357	1.80827994	-1.174980713	2.909126813
ENSORLG000000016195	zfp395b	zinc finger protein 395b [Source:ZFIN;Acc:ZDB-GENE-041001-193]	4.055800027	1.987441528	0.24254988	2.311393955
ENSORLG000000003794	-	-	5.179715207	2.303655528	-0.9229684	1.953577947
ENSORLG000000003975	kbtbp10a	FKBP binding protein 10a [Source:ZFIN;Acc:ZDB-GENE-100821-75]	3.601697969	1.713738805	0.671598918	2.560045202
ENSORLG000000013155	-	-	3.127169475	1.240760688	-2.947121403	-1.260277629
ENSORLG000000012333	trn1	triple helix homolog 1 [Source:NCBI gene;Acc:101160746]	5.102658631	0.46881083	-4.134853101	0.448314722
ENSORLG000000005412	amot	angiostatin [Source:ZFIN;Acc:ZDB-GENE-030131-7487]	4.943021988	2.208813139	-0.607425109	2.127268794
ENSORLG000000003973	kaznb	kazrin, nephrin interacting protein b [Source:ZFIN;Acc:ZDB-GENE-030131-311]	4.774961392	1.574948892	-1.374992928	1.825498686
ENSORLG000000008798	KCNMA1 (1 of 2)	potassium calcium-activated channel subfamily M alpha 1 [Source:HGNC Symbol;Acc:HGNC:6284]	3.078494984	0.510292922	-1.362591304	1.206088842
ENSORLG000000003021	st8a6	Oryzias latipes alpha-2,8-sialyltransferase ST8Sia VI (st8a6), mRNA, [Source:RefSeq mRNA;Acc:NM_001104905]	3.854618967	1.8324377	-1.057446194	0.965220237
ENSORLG000000001705	xtmb	protein tyrosine phosphatase, receptor type, Nb [Source:ZFIN;Acc:ZDB-GENE-110605-1]	3.183164287	0.65660123	-1.481567798	1.046020918
ENSORLG000000016254	lin7a	lin-7 homolog A (C. elegans) [Source:ZFIN;Acc:ZDB-GENE-040426-1665]	3.57378169	2.735620097	-0.099026474	0.739619917
ENSORLG000000016820	-	uncharacterized LOC101162953 [Source:NCBI gene;Acc:101162953]	16.6088462	10.56750932	-3.292620433	2.749179261
ENSORLG000000017122	gata3	GATA binding protein 3 [Source:ZFIN;Acc:ZDB-GENE-990415-82]	4.810897244	-0.23193759	-3.171008543	1.872312403
ENSORLG000000007186	bapry	B-box and SPRY domain containing [Source:ZFIN;Acc:ZDB-GENE-060526-219]	5.651789462	2.109395835	-2.340262891	1.202615416
ENSORLG000000012289	rsp2	cysteine and glycine-rich protein 2 [Source:NCBI gene;Acc:10117174]	5.154242963	1.562123761	-0.634922369	2.957881211
ENSORLG000000001162	-	-	4.089000667	2.449974196	-0.668595988	0.979199597
ENSORLG000000006090	qpl1b	Spi-1 proto-oncogene b [Source:ZFIN;Acc:ZDB-GENE-980526-164]	3.817823343	2.724539385	-1.786545624	-0.692776488
ENSORLG000000014806	tbox4	T-box 4 [Source:NCBI gene;Acc:10117998]	4.092276847	-0.200671653	-3.007955221	1.285478727
ENSORLG000000014364	tgaab6	integrin, alpha 6b [Source:ZFIN;Acc:ZDB-GENE-050320-9]	3.724483837	1.997393703	0.366525393	2.094100826

ENSORLG0000004392	sgpe	sarcoglycan, epsilon [Source:ZFIN;Acc:ZDB-GENE-030724.1]	4.036959787	1.621053728	0.414094462	2.830485839
ENSORLG0000005938	stp2a1	sarcoplasmic/endoplasmic reticulum calcium ATPase 1 [Source:NCBI;gene:Acc:101171864]	6.334076992	0.946001909	-5.39897999	-0.010424465
ENSORLG0000004782	prune2	prune Homolog 2 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-050309-222]	4.843749314	-0.357482227	-2.080546291	3.121172307
ENSORLG0000009882	-	-	3.900904808	-0.926651306	-0.865505296	3.962533941
ENSORLG00000013049	-	-	3.952308967	1.613426645	-0.004562148	2.334805161
ENSORLG0000004588	slc4eyv-28n1b	soliton titin-4 [Source:NCBI;gene:Acc:101168453]	3.326286513	0.66128161	0.127170882	2.790662534
ENSORLG0000003323	hepb	heposmidase B (beta polytypicide) [Source:ZFIN;Acc:ZDB-GENE-030131-2333]	3.102809433	0.342108176	-2.249213333	0.511972886
ENSORLG00000013892	ankrd13b	ankyrin repeat domain 13B [Source:ZFIN;Acc:ZDB-GENE-050913-151]	5.085955187	0.879568415	-1.218136556	2.988644864
ENSORLG00000002735	ahcg2a	ATP-binding cassette, sub-family G (WHITE), member 2a [Source:ZFIN;Acc:ZDB-GENE-050517-35]	4.371119333	0.258495174	-2.271084943	1.842024295
ENSORLG00000000021	-	-	3.268035518	1.44254963	0.408649457	2.230620738
ENSORLG00000007327	galnt18b	polypeptide N-acetylgalactosaminyltransferase 18 [Source:NCBI;gene:Acc:101158340]	4.026517422	2.565917989	-0.152517582	1.308566054
ENSORLG00000010857	ddr2b	discoidin domain receptor tyrosine kinase 2b [Source:ZFIN;Acc:ZDB-GENE-060503-361]	4.491963934	2.277485872	0.297544225	2.51251003
ENSORLG00000012927	-	-	3.38045259	0.534166688	-1.264938467	1.581831287
ENSORLG00000012710	-	-	4.394858138	0.735636703	-1.867550882	1.790598879
ENSORLG00000006370	tead3b	TEA domain family member 3 b [Source:ZFIN;Acc:ZDB-GENE-080103-3]	3.065954236	1.294854425	0.712136004	2.483720417
ENSORLG00000017995	lox5b	lysyl oxidase-like 5b [Source:ZFIN;Acc:ZDB-GENE-070818-3]	6.553391427	0.749386998	-1.231638797	4.572859393
ENSORLG00000011645	mid11p1a	MID1 interacting protein 1a [Source:ZFIN;Acc:ZDB-GENE-990415-81]	3.786683829	0.049036758	-1.739111963	1.999200033
ENSORLG00000012805	pck1	phosphoenolpyruvate carboxylase 1 (soluble) [Source:ZFIN;Acc:ZDB-GENE-030909-11]	6.753236345	0.122523888	-5.559201607	1.071995765
ENSORLG00000009349	mrx1 (1 of m)	myeloperoxidase-specific peroxidase [Source:ZFIN;Acc:ZDB-GENE-030131-3460]	4.512336412	1.331772347	-3.186009127	-0.004959791
ENSORLG00000012238	kat2b	Klvs10 acetyltransferase 2B [Source:ZFIN;Acc:ZDB-GENE-060503-207]	3.81760459	2.17754179	0.068151907	1.708701109
ENSORLG000000009715	slc43a2a	solute carrier family 43 member 2a (transporter), member 2a [Source:ZFIN;Acc:ZDB-GENE-slch211-18b17.2 [Source:ZFIN;Acc:ZDB-GENE-030131-5404]	4.166239629	1.995254582	-0.363502204	1.80796772
ENSORLG00000004406	slch211-18b17	-	3.37380799	0.345311706	-2.475087659	0.553893421
ENSORLG00000011021	SLC49A3	solute carrier family 49 member 3 [Source:NCBI;gene:Acc:101171677]	5.108174942	1.685635017	-1.10908317	2.313941721
ENSORLG000000101737	notch3	notch 3 [Source:ZFIN;Acc:ZDB-GENE-000329-5]	5.759187179	3.05848572	-3.384142906	0.689357787
ENSORLG00000006980	notch3	-	4.030487747	2.074238897	-1.434739788	0.498004001
ENSORLG00000006659	bcl6b	B-cell CLL/lymphoma 6, member B [Source:ZFIN;Acc:ZDB-GENE-120907-11]	3.924769947	1.458894335	-1.2289678	1.237392942
ENSORLG000000004959	nccrp1	non-specific cytotoxic cell receptor protein 1 homolog (zebrafish) [Source:NCBI;gene:Acc:101166487]	3.82390573	1.450987244	-1.891319991	0.482082921
ENSORLG00000006006	-	-	4.107951541	-1.931448474	-3.114625966	2.925261863
ENSORLG00000005142	-	-	5.1661575	3.667238441	-1.78544579	-0.286035567
ENSORLG00000016636	igfbp6b	insulin-like growth factor-binding protein 5 [Source:NCBI;gene:Acc:101169782]	3.143474343	0.744389205	-1.065242471	1.314327728
ENSORLG00000006827	zpc194312	zpc194312 [Source:ZFIN;Acc:ZDB-GENE-081022-102]	4.316242827	1.579994012	-3.48028262	-0.743550147
ENSORLG00000011742	rasp1	Ras interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-120403-3]	3.815985015	2.981649441	0.3154835	1.150305523
ENSORLG00000009915	-	-	5.458988775	1.008173109	-1.62878722	2.822433374
ENSORLG00000014723	ppdpfa	pancreatic progenitor cell differentiation and proliferation factor a [Source:ZFIN;Acc:ZDB-GENE-030219-204]	6.120828034	1.833159834	-4.406748347	-0.11899548
ENSORLG00000013711	RX5	riboques homelobin 5 [Source:HGNC Symbol;Acc:HGNC:14351]	3.017234182	2.32440747	-1.759076061	-1.065764858
ENSORLG00000006415	-	-	18.628660427	10.96657755	-4.684208265	7.966638817
ENSORLG00000013711	-	-	3.407733828	1.357465311	-0.363916139	1.686821366
ENSORLG00000010410	sh3bgr1	SH3 domain binding glutamate-rich protein like [Source:ZFIN;Acc:ZDB-GENE-040426-1376]	3.13928051	2.314524306	0.588396355	1.413637628
ENSORLG000000051012	col2a1a	Oryzias latipes collagen type II A (col2a1a), mRNA [Source:RefSeq; mRNA; Acc:NM_0248659]	3.178352637	2.231170855	-3.23921704	-1.381555762
ENSORLG00000009155	slc4key-266m15	slc4key-266m15.5 [Source:ZFIN;Acc:ZDB-GENE-070705-442]	4.146502684	2.207156711	-0.331572193	1.608258495
ENSORLG00000009052	ripk3	receptor-interacting serine-threonine kinase 3 [Source:ZFIN;Acc:ZDB-GENE-071115-4]	5.195706184	1.715183967	-3.500117032	-0.019110216
ENSORLG00000004432	PPARG	peroxisome proliferator activated receptor gamma [Source:HGNC Symbol;Acc:HGNC:9238]	4.377478104	1.686469184	-1.683674834	1.087819972
ENSORLG00000006954	trm35-12	tripeptide motif containing 35-12 [Source:ZFIN;Acc:ZDB-GENE-110920-4]	6.368519484	1.189692574	-2.984778883	2.194535073
ENSORLG000000009881	slc22a7a	solute carrier family 22 (organic anion transporter), member 7a [Source:ZFIN;Acc:ZDB-GENE-050506-52]	3.616947677	0.151243441	-4.156598965	-0.690413352
ENSORLG000000013177	vnt1	vesicle amine transport 1 [Source:ZFIN;Acc:ZDB-GENE-030616-178]	4.207450298	2.178399427	-1.19647198	0.833118728
ENSORLG00000007485	znf385a	zinc finger protein 385A [Source:ZFIN;Acc:ZDB-GENE-090313-255]	4.486110103	1.23448233	-2.946083137	0.306032128
ENSORLG00000006265	selnmom	selenoprotein M [Source:ZFIN;Acc:ZDB-GENE-030410-04026-1289]	4.334653627	2.693365285	-0.152541332	1.489231663
ENSORLG00000007736	pata2a	GATA-binding factor 2 [Source:NCBI;gene:Acc:101161391]	4.710775921	0.861396687	-2.627352534	1.22251261
ENSORLG00000014926	plekhf1	pleckstrin homology domain containing, family F (with FYVE domain) member 1 [Source:ZFIN;Acc:ZDB-GENE-040408-1289]	16.10239753	0	-3.045397446	13.05749258
ENSORLG00000016885	GNA11 (1 of m)	guanine nucleotide-binding protein G(i) subunit alpha [Source:NCBI;gene:Acc:101158934]	3.156453728	0.596253215	-0.83451817	1.726167661
ENSORLG00000016641	casin1	CASK interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-071115-3]	3.696403479	1.506267648	-1.458419389	0.730201266
ENSORLG000000061659	slch211-153b	slch211-153b23.4 [Source:ZFIN;Acc:ZDB-GENE-030131-7329]	3.981379635	1.425254123	-1.525668883	0.391083191
ENSORLG00000017370	-	uncharacterized LOC101161631 [Source:NCBI;gene:Acc:101161631]	5.363740047	1.65756761	-2.792250522	0.914408854
ENSORLG00000004290	MPDZ (1 of m)	multiple PDZ domain crumbs cell polarity complex component [Source:HGNC Symbol;Acc:HGNC:7208]	4.587703993	2.391187616	-0.407685149	1.789314738
ENSORLG000000021658	mylpfa	myosin light chain, phosphorylatable, fast skeletal muscle a [Source:ZFIN;Acc:ZDB-GENE-990712-15]	6.300930238	5.02295267	-10.94037035	-4.116002128
ENSORLG00000010342	kif7b	Kinesin-like factor 7b [Source:ZFIN;Acc:ZDB-GENE-041014-171]	5.099076035	2.578572216	-0.755830626	1.76515472
ENSORLG00000003178	-	-	3.606030998	-0.891619404	-0.927915421	3.570222206
ENSORLG00000014456	tpia	tissue factor pathway inhibitor a [Source:ZFIN;Acc:ZDB-GENE-030711-1]	5.160657701	-0.188255232	-3.008429651	2.340968587
ENSORLG00000016429	-	-	3.619600831	2.538080949	-1.029859796	0.052145036
ENSORLG00000007868	qucy2d	guanylate cyclase 2D, retinal [Source:ZFIN;Acc:ZDB-GENE-011128-9]	3.947644366	2.332752961	-0.430962203	1.184413695
ENSORLG00000007680	cmbl	carboxymethylglutaminylase homolog [Source:NCBI;gene:Acc:101171616]	3.141900812	0.971343241	0.021738422	2.192780725
ENSORLG00000016402	vdr	Oryzias latipes vitamin D (1,25-dihydroxyvitamin D3) receptor (vdr), mRNA [Source:RefSeq; mRNA; Acc:NM_001128517]	3.120066476	0.060388589	-1.29317278	1.766899706
ENSORLG00000010166	slc7a2	solute carrier family 7 member 2 [Source:NCBI;gene:Acc:101165487]	5.322947473	0.095393686	-2.873804805	2.354234972
ENSORLG00000012540	pxdc1b	PX domain containing 1 [Source:NCBI;gene:Acc:101165607]	4.640245155	2.995636034	-0.267584211	1.377509199
ENSORLG00000006079	slc22w6i	solute carrier family 22 member 6 [Source:NCBI;gene:Acc:101168641]	6.877724768	-0.701791334	-5.630916679	1.948492906
ENSORLG00000013845	-	-	5.860735513	2.044014911	-2.064315831	1.75288778

ENSRLO00000009418	ve1a	vinculin a [Source:ZFIN;Acc:ZDB-GENE-050506-61]	4.856194896	2.654586431	-1.149654988	1.052437035
ENSRLO00000011362	dusp4	dual specificity phosphatase 4 [Source:ZFIN;Acc:ZDB-GENE-040476-109]	5.272344634	-0.059173465	-1.577894216	3.754106664
ENSRLO00000006315	nr2f5	nuclear receptor subfamily 2 group F member 5 [Source:NCBI;gene:Acc:101174296]	4.418504357	0.602789032	-2.717595999	1.098605478
ENSRLO00000016896	-	-	4.388824271	0.931505027	-7.467625415	0.98897678
ENSRLO00000016570	-	-	3.26783029	2.280739373	-1.191027273	-0.213451583
ENSRLO000000012490	glf3	GLI family zinc finger 3 [Source:ZFIN;Acc:ZDB-GENE-041111-162]	4.511450875	1.682114558	-0.971706591	1.858113598
ENSRLO00000004902	-	-	6.314043665	3.070614536	-2.798891948	0.44507679
ENSRLO00000007318	mmp14a	matrix metalloproteinase 14a (membrane-inserted) [Source:ZFIN;Acc:ZDB-GENE-030901-11]	3.261566337	2.314552132	-1.185899533	-0.23831175
ENSRLO00000012076	KCNK3	potassium two pore domain channel subfamily K member 3 [Source:NCBI;gene:Acc:101167669]	5.617303062	2.804072831	-1.558195966	1.255512778
ENSRLO00000010866	CLDN5	claudin-5 [Source:NCBI;gene:Acc:101166566]	4.4651649	1.968625675	-3.088620208	-0.587680666
ENSRLO00000003465	cyp26b1	Cyp26a1-like cytochrome P450, family 28, subfamily B, polypeptide 1 (cyp26b1), mRNA [Source:RefSeq;transcript:NM_001278821]	4.954290288	1.531337986	-1.127641186	2.295793481
ENSRLO00000001617	-	-	5.580751487	1.489303931	-7.488241899	7.6238904
ENSRLO00000015028	-	-	3.993017468	-1.301421808	-3.37067352	1.924251241
ENSRLO00000007393	zgc134058	zgc134058 [Source:ZFIN;Acc:ZDB-GENE-060929-48]	3.870483404	0.501753601	-0.536259683	2.832955529
ENSRLO00000012858	MAT1A	methionine adenosyltransferase 1A [Source:HGNC;Symbol:Acc:HGNC:6903]	3.441744233	2.025368366	-1.23465156	0.182209686
ENSRLO00000016620	slc1key-235d1	slc1key-235d1 [Source:ZFIN;Acc:ZDB-GENE-041014-243]	4.379577653	0.740924505	-2.115018194	1.524119329
ENSRLO00000016941	THRA	thyroid hormone receptor alpha [Source:HGNC;Symbol:Acc:HGNC:11796]	3.248332195	1.010604936	-1.670886502	0.567325114
ENSRLO00000013461	mitfb	microphthalmia-associated transcription factor [Source:NCBI;gene:Acc:101165733]	5.739051788	3.486595123	-0.53036837	1.722568438
ENSRLO00000010611	nf4	neurophilin cytosolic factor 4 [Source:NCBI;gene:Acc:101171890]	3.463469431	1.893068708	-0.084477729	1.486407299
ENSRLO00000019015	KLF2	Kruppel-like factor 2 [Source:NCBI;gene:Acc:101170127]	5.528020697	1.430574357	-7.428329949	1.638601151
ENSRLO00000001321	eratp1b	endoplasmic reticulum aminopeptidase 1b [Source:ZFIN;Acc:ZDB-GENE-040476-934]	3.566013605	1.079108934	-2.063488049	0.417901473
ENSRLO00000013048	pyylt1b	glycoside xylosyltransferase 1b [Source:ZFIN;Acc:ZDB-GENE-041210-118]	3.11212787	1.420426148	1.297766847	2.989952883
ENSRLO00000003707	dnb2tpb	DAB2 interacting protein b [Source:ZFIN;Acc:ZDB-GENE-030131-2449]	3.681391685	0.871295611	-1.168659399	1.641920802
ENSRLO00000017983	cd1	complement factor D (cdpsn) [Source:ZFIN;Acc:ZDB-GENE-050522-411]	3.932967185	2.76540052	-0.998685341	0.171185989
ENSRLO00000005107	zinc1a	JA2F zinc finger 1a [Source:ZFIN;Acc:ZDB-GENE-060503-482]	3.768955583	1.624577736	-0.224585534	1.920277082
ENSRLO00000005025	-	-	5.814213854	1.398025946	-4.235434948	0.181238343
ENSRLO00000012601	-	isocitrate dehydrogenase [NADP] mitochondrial [Source:NCBI;gene:Acc:101166744]	4.289331491	0.91196107	-6.680617134	2.727038722
ENSRLO00000013422	ARG1	arginase 1 [Source:HGNC;Symbol:Acc:HGNC:663]	8.210352669	0.923858986	-6.579751446	0.838700314
ENSRLO00000016029	tsparn9a	tetraspanin 9a [Source:ZFIN;Acc:ZDB-GENE-060503-632]	3.970943297	1.822170711	-1.836585203	0.31267338
ENSRLO00000000655	ampd1	adenosine monophosphate deaminase 1 [Source:NCBI;gene:Acc:101172409]	5.667454605	0.046863398	-3.071647635	2.549435594
ENSRLO00000004319	col1a2	collagen, type I, alpha 2 [Source:ZFIN;Acc:ZDB-GENE-030131-8415]	5.148886364	2.037238394	-4.017331727	-0.905216882
ENSRLO00000004132	pld2r1	phospholipase A2 receptor 1 [Source:ZFIN;Acc:ZDB-GENE-120223-11]	3.075461269	1.743981577	-0.518836998	0.813128284
ENSRLO000000009951	col21a1	collagen, type XXI, alpha 1 [Source:ZFIN;Acc:ZDB-GENE-110607-31]	5.877649695	3.368092607	0.013232301	2.52327806
ENSRLO00000015339	gp44a	glutathione peroxidase 4a [Source:ZFIN;Acc:ZDB-GENE-030410-21]	3.106227288	1.196045241	-0.23746637	1.673200645
ENSRLO00000016690	wrgb	retinoid X receptor, gamma b [Source:ZFIN;Acc:ZDB-GENE-040718-34]	3.83834821	0.972336315	-2.798817682	0.069678877
ENSRLO00000015684	prdm1a	PR domain containing 1a, with ZNF domain [Source:ZFIN;Acc:ZDB-GENE-030131-2193]	3.76493368	-0.049078314	-1.029579974	2.721917019
ENSRLO00000010969	PLXND1	olefin D1 [Source:HGNC;Symbol:Acc:HGNC:91071]	3.451999632	1.387330413	-2.24719921	-0.18204547
ENSRLO00000016181	pel12	E3 ubiquitin-protein ligase pelino homolog 2 [Source:NCBI;gene:Acc:101166500]	4.10784576	1.705388149	-0.877556893	1.525385664
ENSRLO00000004818	-	-	4.247045207	1.240045588	-1.589643095	1.417480609
ENSRLO000000000014	-	-	3.742265713	0.884645425	-0.854781467	2.00323273
ENSRLO00000002990	zgc163057	hemoglobin subunit alpha-D [Source:NCBI;gene:Acc:101170468]	18.445898992	12.25114803	-3.275040664	2.92017791
ENSRLO00000016560	ica1	islet cell autoantigen 1 [Source:ZFIN;Acc:ZDB-GENE-040718-490]	3.987056699	1.155519986	-0.789014927	2.042992223
ENSRLO00000006475	slc19a1	solute carrier family 19 (folate transporter), member 1 [Source:ZFIN;Acc:ZDB-GENE-110401-11]	3.480984337	0.922701173	-1.175111887	1.383655018
ENSRLO00000002774	-	-	3.96304837	1.636393061	-0.210351303	2.096788485
ENSRLO00000015717	zgc113307	zgc113307 [Source:ZFIN;Acc:ZDB-GENE-050522-29]	5.079785335	-1.361103166	-2.283410093	4.194864941
ENSRLO00000012375	-	-	3.867531739	1.196350619	-0.137420038	2.534247085
ENSRLO00000012424	wt1	Wilms' tumor suppressor 1 [Source:NCBI;gene:Acc:100893288]	3.388604054	2.008942609	-0.813554472	0.566591999
ENSRLO00000015724	ifit0	interferon k10 [Source:ZFIN;Acc:ZDB-GENE-051111-11]	15.6646931	11.68304285	-0.101784198	3.88033127
ENSRLO00000016391	zgc153031	zgc153031 [Source:ZFIN;Acc:ZDB-GENE-060929-1190]	3.296239654	0.427956603	-1.784271805	1.084546277
ENSRLO000000006750	unc5a	unc-5 netrin receptor A [Source:ZFIN;Acc:ZDB-GENE-080219-19]	4.284611919	-0.580364298	-0.815450508	4.050013504
ENSRLO00000013713	kfl1	Kruppel-like factor 1 (erythroid) [Source:ZFIN;Acc:ZDB-GENE-880526-55]	15.97609441	8.822092774	-0.568698177	2.097565516
ENSRLO00000014351	cpk3b	complement-3 [Source:NCBI;gene:Acc:101167694]	15.8784912	13.75439483	-15.67844389	-13.75441884
ENSRLO00000009716	TC2N	tandem C2 domains, nuclear [Source:HGNC;Symbol:Acc:HGNC:19859]	5.13877268	0.947970851	-2.293887921	1.897399642
ENSRLO00000006633	tfap2a	transcription factor AP-2 alpha [Source:ZFIN;Acc:ZDB-GENE-011212-6]	4.706341633	-0.946754881	-2.598634006	3.054945509
ENSRLO00000012066	sox13	SRY (sex determining region Y)-box 13 [Source:ZFIN;Acc:ZDB-GENE-100519-11]	5.00707375	1.076975166	-1.366176656	2.564411145
ENSRLO00000003886	ldlrb	low density lipoprotein receptor b [Source:ZFIN;Acc:ZDB-GENE-040476-1254]	5.853679414	2.102363212	-1.199253951	2.552547415
ENSRLO00000008387	tcf7l2	transcription factor 7 like 2 [Source:ZFIN;Acc:ZDB-GENE-991110-8]	3.081011909	0.886394894	-0.191387575	2.003714341
ENSRLO00000010082	arhgef40	Rho guanine nucleotide exchange factor (GEF) 40 [Source:ZFIN;Acc:ZDB-GENE-110623-2]	3.259827005	1.464423913	-1.459680523	0.33627078
ENSRLO00000002376	-	-	3.16732109	-12.69091028	-3.024501964	12.83424388
ENSRLO00000015484	-	-	6.595660236	-9.696045993	-2.314960802	13.97725488
ENSRLO00000017571	cx29.6.11.01	connexin 29.6 [Source:ZFIN;Acc:ZDB-GENE-040408-4]	18.41867988	12.10753644	-2.025248871	2.291342852
ENSRLO00000004651	icpr	integrin, beta 6 [Source:ZFIN;Acc:ZDB-GENE-100812-2]	4.2111761	1.817096389	-1.131839453	1.21779595
ENSRLO00000002527	nectin1b	nectin cell adhesion molecule 1b [Source:ZFIN;Acc:ZDB-GENE-080224-2]	5.519172402	2.114556188	-1.169266719	2.25833162
ENSRLO00000004864	kcm6a1	kyanin G0-specific demethylase 6A, like [Source:ZFIN;Acc:ZDB-GENE-070112-2002]	4.604260181	1.687897852	-0.69576419	2.221082636
ENSRLO00000006558	fam78ab	family with sequence similarity 78, member AB [Source:ZFIN;Acc:ZDB-GENE-080220-25]	4.626430079	1.490814975	-2.924503828	0.21159784
ENSRLO00000006158	tfap2c	transcription factor AP-2 gamma (activating enhancer binding protein 2 gamma) [Source:ZFIN;Acc:ZDB-GENE-041212-61]	3.405373925	-0.011718694	-1.453782196	1.963797504
ENSRLO00000016159	tcma	transcriptional and immune response regulator a [Source:ZFIN;Acc:ZDB-GENE-050320-36]	6.122102923	2.206140499	-1.927976785	1.988470295
ENSRLO00000008678	rgmb	repulsive guidance molecule BMP co-receptor b [Source:ZFIN;Acc:ZDB-GENE-040527-2]	3.182512935	1.209097304	0.327888065	3.001768356
ENSRLO000000021517	RFO0190	small nucleolar RNA SNORA16B/SNORA16A family [Source:NCBI;gene:Acc:111948266]	3.972871705	3.131112837	0.862285692	1.704532694

	ENSORLG00000015018	adgre5b.3	adhesion G protein-coupled receptor E5b, duplicate 3 [Source:ZFIN;Acc:ZDB-GENE-121214-275]	4.570639617	0.799120706	-2.749473618	1.022529762
	ENSORLG00000004433	sax2a	SK homeobox 2 [Source:NCBI;gene:Acc:101161260]	4.065318586	-1.203215336	-2.787770357	2.471249641
	ENSORLG00000001848	-	four and a half LIM domains protein 2-like [Source:NCBI;gene:Acc:101174895]	15.85340191	12.40712168	-2.766180945	6.680567516
	ENSORLG00000012122	-	-	3.357537102	-0.478355217	-0.935667507	2.900709846
	ENSORLG000000011935	bcar3	BCAR3, NSP family adaptor protein [Source:ZFIN;Acc:ZDB-GENE-080513_4]	4.143683494	1.721264951	-0.982757821	1.440146191
	ENSORLG000000016242	HMBOX1	homeobox containing 1 [Source:HGNC;Symbol:Acc:HGNC:28137]	3.066091825	0.667940129	-0.928263083	1.470373754
	ENSORLG000000015287	adgrg1	adhesion G protein-coupled receptor G1 [Source:ZFIN;Acc:ZDB-GENE-030131_3671]	5.048999299	1.06277812	-1.827196465	2.159509694
	ENSORLG00000004204	tzd2	frizzled class receptor 2 [Source:ZFIN;Acc:ZDB-GENE-990415_224]	5.408865541	2.718099423	-0.292427185	2.399058819
	ENSORLG00000002956	infap8i3	tumor necrosis factor, alpha-induced protein 8-like 3 [Source:ZFIN;Acc:ZDB-GENE-040426_1313]	4.493730894	1.416954037	-2.085632159	0.991629899
	ENSORLG000000011143	ktga9	integrin, alpha 9 [Source:ZFIN;Acc:ZDB-GENE-040426_1129]	4.281112267	2.902353009	-1.335108111	0.044135609
	ENSORLG00000002200	prelid1b	PREL1 domain-containing protein 1, mitochondrial-like [Source:NCBI;gene:Acc:101156360]	3.890521639	1.528684716	-0.828193734	1.534128321
	ENSORLG000000011552	lts2b	leucine zipper tumor suppressor 2 [Source:NCBI;gene:Acc:101164513]	4.472687799	1.36197157	-0.249524185	2.861678804
	ENSORLG000000016356	-	-	7.588055086	0.264367883	-7.023211339	0.280960771
	ENSORLG00000009243	flj188.39	flj188.39 [Source:ZFIN;Acc:ZDB-GENE-030131_8104]	4.238588807	-0.257050745	-1.25098852	3.243080796
	ENSORLG00000005778	zbtb7c	zinc finger and BTB domain containing 7C [Source:ZFIN;Acc:ZDB-GENE-130530_373]	4.298348966	1.446748849	-0.611562126	2.240523383
	ENSORLG00000006274	pnpla2	patatin-like phospholipase domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-120913_3]	3.606293633	0.859378643	-1.090389126	1.657010996
	ENSORLG00000002955	-	uncharacterized LOC101172678 [Source:NCBI;gene:Acc:101172678]	3.472982734	0.966232638	-0.384797337	2.122437681
	ENSORLG000000010404	atg4c	autophagy related 4C, cysteine peptidase [Source:NCBI;gene:Acc:101155417]	3.234874247	0.669478805	0.387344162	2.953224513
	ENSORLG000000010105	-	-	3.294831692	1.261812126	-2.202008109	-0.168503741
	ENSORLG000000006624	zqc153704	lipoic acid [Source:NCBI;gene:Acc:101165663]	3.371410898	0.488338044	-0.270827356	2.612739487
	ENSORLG000000005847	rtna47	RNA binding motif protein 47 [Source:ZFIN;Acc:ZDB-GENE-030131_3812]	5.837069111	1.445745871	-1.423529452	2.968278731
	ENSORLG00000006206	eyn2	EYA transcriptional coactivator and phosphatase 2 [Source:ZFIN;Acc:ZDB-GENE-040912_24]	4.442405682	2.36254681	-0.339293324	1.741047867
	ENSORLG000000016574	-	-	3.740478248	1.421682563	-0.606707672	1.713203957
	ENSORLG00000001787	slc35f2	info solute carrier family 35, member F2, like [Source:ZFIN;Acc:ZDB-GENE-130530-1004]	5.14431688	-1.075365115	-2.481232205	3.738932372
	ENSORLG000000015827	wfdc1	WAP four-disulfide core domain 1 [Source:ZFIN;Acc:ZDB-GENE-070112_352]	6.282732906	4.077999011	-2.567740186	-0.362518982
	ENSORLG000000002466	slc12l1-85n1	slc12l1-85n1b.4 [Source:ZFIN;Acc:ZDB-GENE-030131_7043]	3.404794691	1.721884631	-1.056391451	0.627003184
	ENSORLG00000009852	tuff1a	tuffin 1a [Source:ZFIN;Acc:ZDB-GENE-061103-184]	3.370216807	0.620263207	-1.49844757	2.551998014
	ENSORLG000000008660	lrrc3b	leucine rich repeat containing 3B [Source:NCBI;gene:Acc:101157953]	3.047968067	0.97762434	0.376933039	2.447762012
	ENSORLG00000003816	csf8	cytokine inducible SH2-containing protein [Source:ZFIN;Acc:ZDB-GENE-050907_1]	3.263763348	0.191898822	-2.188085497	0.884263869
	ENSORLG000000017279	-	-	5.83269811	-10.04328708	-0.529418565	15.34707181
	ENSORLG000000017646	adh5	Oryza latipes alcohol dehydrogenase 5 (class III), ch polypeptide (adh5), mRNA [Source:RefSeq; mRNA:Acc:NM_001104796]	7.012723622	2.119697285	-4.166887337	0.726624268
	ENSORLG00000006884	rhoub	rho-related GTP-binding protein RhoD [Source:NCBI;gene:Acc:101159601]	5.976790726	1.440514612	-1.77015053	2.766610691
	ENSORLG00000005978	spock3	proteoglycan 3 [Source:ZFIN;Acc:ZDB-GENE-090311-]	4.595221344	2.155562858	-2.006035503	0.434110177
	ENSORLG00000002084	prs35	protease, serine, 35 [Source:ZFIN;Acc:ZDB-GENE-040704-55]	4.465405264	0.59120549	-3.250757889	0.623921717
	ENSORLG000000008248	coro7	mitochondrial import inner membrane translocase subunit TIM16 [Source:NCBI;gene:Acc:101155031]	3.216452622	0.670427544	-1.481333522	1.065176596
	ENSORLG000000011390	gpr18	G protein-coupled receptor 18 [Source:ZFIN;Acc:ZDB-GENE-070912_159]	4.705411228	2.722221131	-2.486450819	-0.502775332
	ENSORLG000000004145	poth1g30	protocadherin 1, gamma 30 [Source:ZFIN;Acc:ZDB-GENE-050609_23]	3.479618934	1.353401468	-1.449514527	0.677188864
	ENSORLG00000003502	slc1key-165a2	slc1key-165a2.9 [Source:ZFIN;Acc:ZDB-GENE-141209-11]	5.982143895	3.212580671	-2.103688878	0.66638919
	ENSORLG00000008568	akr1a1a	alcohol dehydrogenase [NAD(+)] A-like [Source:NCBI;gene:Acc:101175168]	6.117376906	0.701703716	-0.860778803	4.555373535
	ENSORLG00000005567	zNF462	zinc finger protein 462 [Source:HGNC;Symbol:Acc:HGNC:21894]	3.28689027	1.04510333	-0.684060665	1.558211041
	ENSORLG000000014548	-	-	18.34696044	14.50454517	-2.779925889	1.062959861
	ENSORLG00000006847	apd1b	glycerol-3-phosphate dehydrogenase 1b [Source:ZFIN;Acc:ZDB-GENE-030131_3986]	3.820345298	2.759847547	-0.071383961	0.989597567
	ENSORLG00000003046	hbae5	hemoglobin, alpha embryonic 5 [Source:ZFIN;Acc:ZDB-GENE-101028-1]	5.703787996	1.022274623	-2.733292129	1.949606008
	ENSORLG000000012307	zland5a	zinc finger AN1-type containing 5 [Source:NCBI;gene:Acc:101155116]	3.412835782	1.056990304	-0.251858479	2.104503201
	ENSORLG000000016164	-	-	4.533368544	-13.64884177	-4.651719264	13.53100124
	ENSORLG00000006356	snix	spermine oxidase [Source:NCBI;gene:Acc:101164210]	4.20135887	2.085021747	-1.05336636	1.1121165
	ENSORLG00000005264	-	-	3.792461234	0.753901509	-2.143678477	0.89538296
	ENSORLG000000010039	ndrg2	protein NDRC2 [Source:NCBI;gene:Acc:101163361]	4.992673846	2.923724478	-2.457129313	-0.387895137
	ENSORLG000000002123	boka	BOK, BCL2 family apoptosis regulator 4 [Source:ZFIN;Acc:ZDB-GENE-040801_131]	4.51575064	0.966031094	-0.058117047	0.492087143
	ENSORLG000000016510	zfyve9b	zinc finger, FYVE domain containing 9b [Source:ZFIN;Acc:ZDB-GENE-110825_21]	5.009054544	2.781797475	-0.423987415	1.80375256
	ENSORLG000000014497	-	-	3.784599818	1.58473428	0.05063552	2.240413658
	ENSORLG000000010566	-	-	3.892361867	2.509148212	-3.773004011	-2.389305131
	ENSORLG000000015418	mmp15	Oryza latipes matrix metalloproteinase 15 (mmp15), mRNA [Source:RefSeq; mRNA:Acc:NM_001104883]	4.523460121	2.442627569	-1.67547397	0.405570183
	ENSORLG000000017446	ctbpd	CCAAT enhancer binding protein delta [Source:ZFIN;Acc:ZDB-GENE-020111_4]	4.553648809	0.661757535	-2.914357292	0.978018894
	ENSORLG00000005072	rbp4	retinol binding protein 4 [Source:NCBI;gene:Acc:101157473]	5.653984309	1.496482426	-2.183993131	1.974427969
	ENSORLG000000080804	zpc101810	actin-related protein 2-B [Source:NCBI;gene:Acc:101157161]	3.4933553	1.681319717	-1.448959149	0.363561857
	ENSORLG000000014950	olmi3c	olfactomedin-like 3b [Source:ZFIN;Acc:ZDB-GENE-050302-161]	3.853169143	1.51851508	-3.557849562	-1.222709862
	ENSORLG000000013833	-	-	3.709954915	0.862532907	-1.41125754	1.436648895
	ENSORLG000000005750	slit2	slit homolog 2 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-010306-3]	4.917354046	1.442575656	-1.11358702	2.36167729
	ENSORLG000000005424	cdh16	cadherin 16, KSP-cadherin [Source:ZFIN;Acc:ZDB-GENE-140106-140]	5.005252235	-2.633212238	-6.287975586	1.350960913
	ENSORLG000000010812	efz2k	eukaryotic elongation factor 2 kinase [Source:ZFIN;Acc:ZDB-GENE-020916-2]	3.385041159	1.362499616	-0.825391603	1.197634894
	ENSORLG000000011780	-	-	4.12895798	7.06459236	-0.180351093	1.873491408
	ENSORLG000000013379	-	-	5.151740708	2.228572022	-0.898368401	2.025286999
	ENSORLG00000003869	lam20a	family with sequence similarity 20, member A [Source:ZFIN;Acc:ZDB-GENE-081022-117]	4.164265609	0.142912802	-2.51575689	1.506080958
	ENSORLG00000005345	slc16a9a	solute carrier family 16, member 9a [Source:ZFIN;Acc:ZDB-GENE-040426-1364]	5.356138886	3.62127558	-0.547144453	1.188201683
	ENSORLG000000002812	tmem98	transmembrane protein 98 [Source:NCBI;gene:Acc:101155691]	3.68782273	1.428063506	-2.531421028	-0.271176881
	ENSORLG000000017603	dec11a	C-type lectin domain containing 11A [Source:ZFIN;Acc:ZDB-GENE-130530-861]	3.234191687	2.058036603	-0.114414093	1.06249894

	ENSORLG00000015630	-	uncharacterized LOC101155763 [Source:NCBI gene:Acc:101155763]	6.103342151	3.328185039	-1.459025504	1.316617416
	ENSORLG00000005336	SYTL2	synaptotagmin like 2 [Source:HGNC Symbol:Acc:HGNC:15585]	4.122355271	0.362325521	-0.212770739	3.547747006
	ENSORLG00000006286	-	trypsin like [Source:NCBI gene:Acc:101170788]	5.07824888	2.878486929	-2.313186111	-0.119393954
	ENSORLG00000001868	-	-	3.413853961	2.17884091	-1.417016913	-0.238850071
	ENSORLG00000009075	-	C-X-C motif chemokine 2 [Source:NCBI gene:Acc:101168980]	5.067820213	1.987717512	-1.574152345	1.506435013
	ENSORLG000000011996	ehf	ets homologous factor [Source:ZFIN:Acc:ZDB-GENE-065312-7]	4.922940654	0.813599519	-1.506997488	2.602824394
	ENSORLG000000017741	-	-	3.168947553	1.004336971	-0.480901884	1.684194062
	ENSORLG00000001741	hh1b	four and a half LIM domains 1b [Source:ZFIN:Acc:ZDB-GENE-031219-11]	3.198891418	1.31948378	-1.268971582	0.610921476
	ENSORLG00000000072	KIAA0895L	KIAA0895 like [Source:HGNC Symbol:Acc:HGNC:34408]	5.101218578	2.908184056	0.493276772	2.686794532
	ENSORLG000000008874	p1vapb	plasmalemma vesicle associated protein b [Source:ZFIN:Acc:ZDB-GENE-060816-96]	3.612772923	1.966822954	-1.529648545	0.116787228
	ENSORLG000000005925	MBNL1	muscleblind like splicing regulator 1 [Source:NCBI gene:Acc:101171850]	3.732031226	1.77005301	-1.770151745	0.192357887
	ENSORLG00000004498	PDE3A	phosphodiesterase 3A [Source:HGNC Symbol:Acc:HGNC:8778]	6.582701993	3.392181412	-1.029461189	2.161527474
	ENSORLG000000006250	lctd12b	potassium channel tetramerisation domain containing 12b [Source:ZFIN:Acc:ZDB-GENE-050417-104]	4.574919553	2.6526869	-1.74689006	0.1780178
	ENSORLG00000001457	-	-	3.117539044	-1.382710683	-2.830037494	1.67069559
	ENSORLG000000011071	uk1b	unc-51 like autophagy activating kinase 1 [Source:ZFIN:Acc:ZDB-GENE-071203-2]	3.142591519	0.66745485	-0.10453751	2.371083549
	ENSORLG00000000472	s100s	S100 calcium binding protein 5 [Source:ZFIN:Acc:ZDB-GENE-040922-31]	4.532172644	0.716893675	-0.924036776	2.891172363
	ENSORLG000000006618	abcb3	Oryzias latipes antigen peptide transporter 2-like (atcb3), mRNA [Source:RefSeq mRNA:Acc:NM_001278887]	4.774648547	1.828663771	-1.037213822	1.909254883
	ENSORLG000000013025	fox1	hyal oxidase-like 1 [Source:ZFIN:Acc:ZDB-GENE-06503-488]	3.23195212	1.702848123	-0.392293851	1.137295502
	ENSORLG000000016785	pycard	PYD and CARD domain containing [Source:ZFIN:Acc:ZDB-GENE-000511-21]	5.299448737	2.529309591	-1.32763054	1.442994019
	ENSORLG000000010588	mag1a	membrane associated guanylate kinase, WW and PDZ domain containing 1a [Source:ZFIN:Acc:ZDB-GENE-081105-13]	3.039529279	0.794379501	-0.314098394	1.93153702
	ENSORLG000000003935	ppp1r14aa	protein phosphatase 1, regulatory (inhibitor) subunit 14aa [Source:ZFIN:Acc:ZDB-GENE-050417-413]	5.769744357	2.692745404	-2.173335423	0.904147531
	ENSORLG000000002029	-	astacin like metallo-protease [Source:NCBI gene:Acc:100049316]	6.864075363	2.227959485	-5.444284939	-0.80766773
	ENSORLG000000002887	snob1 (1 of m)	snobin [Source:NCBI gene:Acc:101170044]	7.645589221	3.414551359	-3.738703701	0.494820197
	ENSORLG000000018251	-	-	4.297020241	0.390654053	-2.25715822	1.64992516
	ENSORLG000000005019	slc43a2b	large neutral amino acids transporter small subunit 4 [Source:NCBI gene:Acc:101131293]	5.444736743	1.324467199	-3.324295467	0.796458917
	ENSORLG000000012366	stom	stomatin [Source:ZFIN:Acc:ZDB-GENE-980526-486]	4.13784441	2.174322048	-0.359870854	1.604136218
	ENSORLG000000004500	cpm5	phosphoglucosyltransferase 5 [Source:ZFIN:Acc:ZDB-GENE-06503-838]	4.533151848	1.873184961	-1.512590158	1.147862059
	ENSORLG000000002882	slc12a1	solute carrier family 12 (sodium/potassium/chloride transporter), member 1 [Source:ZFIN:Acc:ZDB-GENE-080130-31]	4.923709544	-7.438820311	-4.428561328	7.936477616
	ENSORLG000000009017	ENPP7	ectonucleotide pyrophosphatase/phosphodiesterase family member 7 [Source:NCBI gene:Acc:101173488]	7.693288325	-1.329668306	-4.847301523	4.176136128
	ENSORLG000000016750	slch73-21k16.5	slch73-21k16.5 [Source:ZFIN:Acc:ZDB-GENE-030131-8374]	3.511907667	0.920589491	0.066446466	2.653767984
	ENSORLG000000001847	coro2ba	coronin 2B [Source:NCBI gene:Acc:101167857]	3.824748954	2.544391415	0.771307489	2.052147926
	ENSORLG000000008993	qtz2bb	protein tyrosine kinase 2 beta, b [Source:ZFIN:Acc:ZDB-GENE-020607-1]	5.181390032	1.603885143	-1.932938078	1.645051834
	ENSORLG000000001768	-	-	6.630526034	1.734563153	-1.641200434	3.25231724
	ENSORLG000000002336	tgfb2l	transforming growth factor, beta 2, like [Source:ZFIN:Acc:ZDB-GENE-130425-2]	6.607878217	3.027119631	-1.371435505	2.209813454
	ENSORLG000000013450	foxo3	Oryzias latipes forkhead box O3 (foxo3), mRNA [Source:RefSeq mRNA:Acc:NM_001160465]	3.878185765	1.719345552	-1.963988721	0.195356635
	ENSORLG000000008849	waf3b	WAF protein family, member 3b [Source:ZFIN:Acc:ZDB-GENE-070132-1512]	3.706424284	1.825344558	0.379145071	2.261310274
	ENSORLG000000006686	cyp24a1	cytochrome P450, family 24, subfamily A, polypeptide 1 [Source:ZFIN:Acc:ZDB-GENE-060825-1]	3.358308331	1.401657138	-2.116289762	-0.159151466
	ENSORLG00000007988	cpe	carboxypeptidase E [Source:ZFIN:Acc:ZDB-GENE-090313-68]	4.844299229	1.623737065	-2.289751318	0.931294348
	ENSORLG00000000881	acta1	Oryzias latipes actin, alpha 1, skeletal muscle (acta1), mRNA [Source:RefSeq mRNA:Acc:NM_001104806]	5.927846049	-0.472017521	-6.687832166	-0.287483837
	ENSORLG000000014469	-	-	4.053764278	1.863311968	-0.238038448	1.95289908
	ENSORLG000000005839	hspa12b	heat shock protein 12B [Source:ZFIN:Acc:ZDB-GENE-070226-1]	3.420061084	1.868953732	-2.043735348	-0.492143102
	ENSORLG00000000783	col27a1b	collagen type XXVII, alpha 1b [Source:ZFIN:Acc:ZDB-GENE-100119-2]	3.529389171	1.285407052	-1.390000986	0.854464895
	ENSORLG000000016380	hnf4a	hepatocyte nuclear factor 4, alpha [Source:ZFIN:Acc:ZDB-GENE-030131-1077]	4.12508924	-1.072393248	-2.538709615	2.659256834
	ENSORLG000000001940	kdrl	kinase insert domain receptor like [Source:ZFIN:Acc:ZDB-GENE-000705-1]	5.212538862	2.659379731	-2.51404854	0.039597895
	ENSORLG000000017125	depa	desmoplakin [Source:NCBI gene:Acc:101185763]	3.011343555	1.784934991	-0.272695687	1.004198188
	ENSORLG000000009758	tnem173	transmembrane protein 173 [Source:ZFIN:Acc:ZDB-GENE-120921-1]	3.083920659	1.072227199	-2.420324146	-0.408145039
	ENSORLG000000008504	inf1l103	tumor necrosis factor (ligand) superfamily, member 10 like 3 [Source:ZFIN:Acc:ZDB-GENE-070908-1]	4.327372937	1.287629612	-0.162202039	2.878025745
	ENSORLG000000017407	foxa2	Oryzias latipes Me-HNF3b protein (foxa2), mRNA [Source:RefSeq mRNA:Acc:NM_001104692]	6.581337347	0.555006044	-3.467806299	2.55906202
	ENSORLG000000005897	dkc1b	docking protein 1b [Source:ZFIN:Acc:ZDB-GENE-040426-20631]	4.545913678	1.732577218	-1.229216131	1.593606764
	ENSORLG000000014515	-	-	4.093732431	1.503559666	-0.932807675	1.657849914
	ENSORLG000000008870	anka11	annexin A11 [Source:NCBI gene:Acc:100049456]	4.229902906	1.825711191	-0.610568155	1.794108604
	ENSORLG000000013881	foxl1	forkhead box L1 [Source:ZFIN:Acc:ZDB-GENE-040426-1181]	6.247669972	0.438893388	-3.352793304	2.456471901
	ENSORLG000000003956	smad9	SMAD family member 9 [Source:ZFIN:Acc:ZDB-GENE-031014-11]	3.073149788	0.267152494	-1.008451423	1.798030386
	ENSORLG000000017858	-	-	3.286767688	0.167592592	-2.667091986	0.452562207
	ENSORLG000000003538	-	-	4.541647291	1.608993023	-3.526953999	-0.359754999
	ENSORLG000000010269	tnem88a	transmembrane protein 88 [Source:NCBI gene:Acc:101159459]	4.709375791	1.996282353	-2.371180608	0.342397901
	ENSORLG000000004966	ADAMT5	ADAM metalloproteinase with thrombospondin type 1 motif 5 [Source:HGNC Symbol:Acc:HGNC:2211]	3.099857369	2.341918916	-2.048055951	-1.289633266
	ENSORLG000000005788	VAV3	vav guanine nucleotide exchange factor 3 [Source:HGNC Symbol:Acc:HGNC:12659]	4.110978885	0.572665321	-0.692669023	2.846131286
	ENSORLG000000013277	tgfr2	fibroblast growth factor receptor 2 [Source:ZFIN:Acc:ZDB-GENE-030323-1]	3.746678564	1.660036435	-2.0960600	-0.0089338
	ENSORLG000000003949	skb	v-Ski avian sarcoma viral oncogene homolog b [Source:ZFIN:Acc:ZDB-GENE-090715-10]	4.053875151	1.140676757	-1.997598383	0.916174417
	ENSORLG000000015508	HAND1	heart and neural crest derivatives expressed 1 [Source:HGNC Symbol:Acc:HGNC:4807]	7.582275021	1.707664977	-4.165770149	1.709320815
	ENSORLG000000009785	sr1key-15102	-	3.844381544	1.791787227	-0.547774311	1.505304981
	ENSORLG000000016245	-	-	4.61852206	2.371342159	-0.523444845	1.7242035
	ENSORLG000000016848	-	-	4.851985565	0.279102756	-3.309179482	1.264188403
	ENSORLG000000010315	tpar4	tyrosophosphatidic acid receptor 4 [Source:ZFIN:Acc:ZDB-GENE-120201-1]	3.130622088	1.452022582	-1.747312841	-0.068229606
	ENSORLG000000017235	slch211-234h.7	slch211-234h.7 [Source:ZFIN:Acc:ZDB-GENE-061009-16]	3.586371054	-1.341567501	-1.273555287	0.364870223

ENSORLG00000017851	gpr143	G protein-coupled receptor 143 [Source:ZFIN,Acc:ZDB-GENE-040426-1476]	3.873329835	0.591496324	-0.956412626	2.325905734
ENSORLG00000017849	ASB9	ankyrin repeat and SOCS box containing 9 [Source:HGNC Symbol,Acc:HGNC:17184]	17.05404081	11.21400334	-3.461396282	2.379109007
ENSORLG00000004591	ndrip2	Nesf4 family interacting protein 2 [Source:ZFIN,Acc:ZDB-GENE-040426-2662]	4.103084166	1.151113393	-0.239565621	2.712901346
ENSORLG00000006983	hbeqf8	heparin-binding EGF-like growth factor A [Source:ZFIN,Acc:ZDB-GENE-080204-119]	3.129560208	2.134782058	0.467854337	1.463063085
ENSORLG00000013840	si.ch211-1a19	consulin [Source:NCBI gene,Acc:101170010]	5.07601771	2.838458005	-0.644488354	1.543678754
ENSORLG00000010146	edtic1	ectostein-1c [Source:NCBI gene,Acc:101189374]	4.025150541	1.803809992	-0.9450123	1.274793374
ENSORLG00000008809	anxa4	Oryzias latipes annexin A4 (anxa4), mRNA [Source:RefSeq mRNA,Acc:NM_00104824]	4.175848293	1.373928923	-0.229704098	2.572700166
ENSORLG00000016533	-	-	6.228068823	3.766637171	-2.896911422	-0.436993573
ENSORLG00000006703	irf3	interferon regulatory factor 3 [Source:ZFIN,Acc:ZDB-GENE-071120-7]	4.862285038	1.761318364	-1.192592724	1.908860348
ENSORLG00000013754	-	-	15.68443168	12.88815342	-2.1767173	0.620027631
ENSORLG00000013171	LPIN2 (1 of 2)	lipin 2 [Source:HGNC Symbol,Acc:HGNC:14450]	4.809176033	1.74046019	-1.874749715	1.230307262
ENSORLG00000015032	cebpb	CCAAT/enhancer-binding protein beta [Source:NCBI gene,Acc:101135601]	5.232046071	1.018395264	-3.380420204	0.833705597
ENSORLG00000013738	-	-	6.337899116	3.470281704	-2.283467392	0.584630172
ENSORLG00000014408	cpz	carboxypeptidase Z [Source:ZFIN,Acc:ZDB-GENE-09033-267]	4.476673972	1.115059134	-2.09531591	1.266727993
ENSORLG00000005883	si.ch73-1609	si.ch73-1609.1 [Source:ZFIN,Acc:ZDB-GENE-141212-254]	5.10918839	2.66778111	-1.902447004	0.539441634
ENSORLG00000006489	zbtb32	zinc finger and BTB domain containing 32 [Source:ZFIN,Acc:ZDB-GENE-131121-166]	4.385899191	2.079185954	-1.859866046	0.447336328
ENSORLG00000010176	ap3a3	aquaporin-3 [Source:NCBI gene,Acc:101163089]	4.258821838	2.02369902	-1.461336299	0.771270648
ENSORLG00000017404	-	-	5.15902212	0.915845692	-2.113267408	2.130294176
ENSORLG00000000128	SLC5A9	solute carrier family 5 member 9 [Source:HGNC Symbol,Acc:HGNC:22146]	4.854237171	0.276457814	-3.112823935	1.465432229
ENSORLG00000010062	mef2zb	myocyte enhancer factor 2cb [Source:ZFIN,Acc:ZDB-GENE-040903-7]	3.768594967	2.161966814	-0.264395254	1.342718517
ENSORLG000000008926	antir1b	anthrax toxin receptor 1b [Source:ZFIN,Acc:ZDB-GENE-091204-21]	3.425506804	0.269340878	-4.037231018	-0.98058035
ENSORLG00000013146	lrrc17	leucine rich repeat containing 17 [Source:ZFIN,Acc:ZDB-GENE-030131-9774]	3.935430061	1.65953643	-0.454197267	1.822180985
ENSORLG000000050210	gb	hemoglobin embryonic subunit alpha-like [Source:NCBI gene,Acc:101174505]	6.637479633	0.700020365	-3.522005273	2.415938999
ENSORLG00000016206	mra6b	matrix-remodeling associated 5b [Source:ZFIN,Acc:ZDB-GENE-081104-119]	3.754660707	0.812539722	-0.981172395	1.960883026
ENSORLG00000006889	ntrn5	netrin 5 [Source:ZFIN,Acc:ZDB-GENE-130530-533]	4.055169837	-0.782957633	-3.509598346	1.332027688
ENSORLG00000000965	cpz2	carboxypeptidase Z2 [Source:NCBI gene,Acc:101193188]	4.843267598	1.701167593	-4.121173004	-0.978784311
ENSORLG00000004769	perp	PERP, TP53 apoptosis effector [Source:NCBI gene,Acc:101162224]	4.256952546	1.374318729	-1.129372356	1.753746472
ENSORLG00000009068	arpc1b	actin related protein 2/3 complex, subunit 1b [Source:ZFIN,Acc:ZDB-GENE-030131-7414]	4.943312734	2.733611327	-1.65167949	0.558506886
ENSORLG00000010461	hfc	transcription factor EC [Source:NCBI gene,Acc:101167503]	3.266460849	0.509702697	-2.703389938	0.053874593
ENSORLG00000017386	-	-	3.927372832	0.396452968	-2.448333799	1.083070772
ENSORLG000000062938	mat2ab	methionine adenosyltransferase II, alpha b [Source:ZFIN,Acc:ZDB-GENE-050327-61]	3.020622658	1.878268271	0.351648863	1.494488169
ENSORLG00000011256	ca4a	carbonic anhydrase IV a [Source:ZFIN,Acc:ZDB-GENE-080204-85]	6.967139652	1.014603219	-6.493204638	-0.540129242
ENSORLG00000011492	ca8	carbonic dehydratase VIII [Source:ZFIN,Acc:ZDB-GENE-001030-3]	3.672979382	1.294458719	-1.102568038	1.276444708
ENSORLG00000010725	ca2	carbonic dehydratase II [Source:NCBI gene,Acc:101193188]	6.888393071	1.031327335	-3.449379079	2.211298885
ENSORLG00000015375	slpr5a	sphingosine-1-phosphate receptor 5a [Source:ZFIN,Acc:ZDB-GENE-041114-188]	3.124550957	2.088216831	-1.466307149	-0.429538295
ENSORLG00000010118	-	-	3.997589044	1.955803261	-1.986841938	0.065648214
ENSORLG00000008319	aldh1a2	aldehyde dehydrogenase 1 family, member A2 [Source:ZFIN,Acc:ZDB-GENE-011010-3]	5.067048294	2.01630605	-1.562017530	1.489154634
ENSORLG00000006756	tmem56a	transmembrane protein 56a [Source:ZFIN,Acc:ZDB-GENE-094012-1]	4.504708678	1.163583809	-1.430847066	1.910762416
ENSORLG00000012284	fhag	Rh associated glycoprotein [Source:ZFIN,Acc:ZDB-GENE-030131-8229]	5.622492143	-0.270062113	-3.930590172	1.962448586
ENSORLG00000006989	CCAR	cholesterol kinase A receptor [Source:HGNC Symbol,Acc:HGNC:1570]	7.262951458	2.796792571	-2.614253649	1.852396796
ENSORLG00000018138	tmem206	transmembrane protein 206 [Source:NCBI gene,Acc:101157902]	4.006231721	1.832545402	-0.524796094	1.649375554
ENSORLG00000010199	-	-	3.603453364	1.841464189	-0.28008167	1.734465973
ENSORLG00000014802	si.dkey-183n2	si.dkey-183n2.15 [Source:ZFIN,Acc:ZDB-GENE-041001-160]	6.337020533	1.046020807	-2.69261359	2.5988701
ENSORLG00000014201	samen1a	SAM domain, SH3 domain and nuclear localisation signals 1a [Source:ZFIN,Acc:ZDB-GENE-030131-8639]	4.981287462	1.984012529	-2.232470147	0.765289984
ENSORLG00000016804	tenp	tenn binding protein [Source:NCBI gene,Acc:101157902]	3.823663271	0.394748929	-1.714273381	1.715618367
ENSORLG00000000311	-	-	5.915225077	2.419171428	-1.25899917	2.224748246
ENSORLG000000020808	sgoa1	suppressor of glucose, autophagy associated 1 [Source:ZFIN,Acc:ZDB-GENE-090313-188]	3.680745216	0.180792558	-1.502734166	1.99770281
ENSORLG00000013782	frzb	frizzled related protein [Source:ZFIN,Acc:ZDB-GENE-990715-11]	3.066600418	2.331430377	-1.177273237	-0.441618255
ENSORLG00000004031	MYOF	myofelin [Source:HGNC Symbol,Acc:HGNC:3656]	3.715608193	1.524094934	-1.282370038	0.909628076
ENSORLG00000008512	hao2	hydroxyacid oxidase 2 (long chain) [Source:ZFIN,Acc:ZDB-GENE-040426-1239]	7.288125433	1.336203432	-2.982338804	2.970085771
ENSORLG00000001350	ker5	intermediate filament protein QN3 [Source:NCBI gene,Acc:101167707]	5.052849942	0.055527141	-2.567325756	2.43048181
ENSORLG00000015858	mhm1	muscleblind-like splicing regulator 1 [Source:ZFIN,Acc:ZDB-GENE-060929-704]	3.896112438	1.443381687	-1.722568228	0.732647339
ENSORLG00000014634	et8aa1	5T8 alpha-N-acetyl-neuraminidase alpha-2B-sialyltransferase 1 [Source:ZFIN,Acc:ZDB-GENE-051005-1]	3.252700713	1.552043154	-1.221824493	0.479319562
ENSORLG00000016551	zpc158846	zpc158846 [Source:ZFIN,Acc:ZDB-GENE-070209-50]	4.459724259	-0.364777084	-2.587248984	2.237738169
ENSORLG00000017369	-	-	4.527617215	2.38894653	0.5647763	2.198648657
ENSORLG00000017036	-	-	7.13747335	0.346745587	-5.547586123	1.243628743
ENSORLG00000016665	ofml2ba	olfactomedin like 2Ba [Source:ZFIN,Acc:ZDB-GENE-041014-329]	5.660088781	1.238954915	-1.642153884	2.779469091
ENSORLG00000003275	-	-	3.520694774	0.505426434	-0.09198988	2.923762257
ENSORLG00000015087	si.dkey-109a1	uncharacterized LOC101172797 [Source:NCBI gene,Acc:101172797]	3.515183331	0.6892272	-1.491658411	1.334782475
ENSORLG00000013086	scube3	signal peptide, CUB domain, EGF-like 3 [Source:ZFIN,Acc:ZDB-GENE-060717-1]	3.590501376	1.428395941	-2.231078523	-0.066488077
ENSORLG00000006317	-	-	6.420429115	3.11018277	-0.616331361	2.694402252
ENSORLG000000002372	si.ch211-93g2	putative methyltransferase DDB_G0268948 [Source:NCBI gene,Acc:101159172]	4.654053188	-0.057097945	-4.011667085	0.694968369
ENSORLG00000000985	sloc2a1	solute carrier organic anion transporter family, member 2A1 [Source:ZFIN,Acc:ZDB-GENE-060606-3]	3.869148834	1.739782387	-3.042213249	-0.912359547
ENSORLG00000002431	-	-	7.237331334	2.81464365	-3.036516299	1.386632423
ENSORLG00000017261	ALPK1	alpha kinase 1 [Source:HGNC Symbol,Acc:HGNC:20917]	4.308323865	1.618198537	-1.419315444	1.271614448
ENSORLG00000008976	esrp1	epithelial splicing regulatory protein 1 [Source:ZFIN,Acc:ZDB-GENE-070112-1732]	3.388034523	-0.025852932	-1.428944762	1.985428414
ENSORLG000000003862	fn1b	fibrinectin 1b [Source:ZFIN,Acc:ZDB-GENE-030131-6543]	4.865386579	0.413072311	-3.893585518	0.559213809
ENSORLG000000005829	col5a3a	collagen, type V, alpha 3a [Source:ZFIN,Acc:ZDB-GENE-030131-968]	4.735875385	2.316642635	-0.853533886	1.566180547
ENSORLG00000012093	lcl	four pointed box 1 [Source:NCBI gene,Acc:101170899]	3.071348576	1.435994891	-0.835822212	0.800016621
ENSORLG000000006439	mx4	MAX dimerization protein 4 [Source:ZFIN,Acc:ZDB-GENE-050208-44]	5.061537794	2.261716314	-0.389394067	2.410911379

ENSORLG00000014162	wwa11	von Willebrand factor A domain containing 11 [Source:ZFIN,Acc:ZDB-GENE-141211-58]	3.91860014	-0.28269577	-1.994112198	2.207658221
ENSORLG00000006426	zpcr171592	zpcr171592 [Source:ZFIN,Acc:ZDB-GENE-080220-23]	7.708085021	2.388088241	-8.058989866	-2.739412255
ENSORLG00000017121	zhrs3b	dehydrogenase/reductase 3 [Source:NCBI gene:Acc:101159580]	3.619859359	2.21909411	-1.946774347	-0.545439796
ENSORLG00000016942	zqchfr	GTP cyclohydrolase I feedback regulator [Source:ZFIN,Acc:ZDB-GENE-040426-1731]	5.03882981	2.912160681	-1.545191041	0.581956738
ENSORLG00000000812	zqcr101583	magnesium transporter NIPAZ [Source:NCBI gene:Acc:101155561]	3.313070875	2.070672086	0.909596384	2.152479609
ENSORLG00000010100	baq2	BCL2 associated athanogene 2 [Source:NCBI gene:Acc:101155139]	4.024853672	2.681279587	0.349353808	1.693412962
ENSORLG00000005621	-	DEF6, guanine nucleotide exchange factor [Source:NCBI gene:Acc:101162599]	4.667573791	1.815645853	-0.280007646	2.572405174
ENSORLG00000006652	def6a	Ras association (RalGDS/AF-6) domain family member 2a [Source:ZFIN,Acc:ZDB-GENE-040912-124]	3.592670766	2.281792606	0.360248311	1.671611874
ENSORLG00000002844	rasf2a	Ras association (RalGDS/AF-6) domain family member 2a [Source:ZFIN,Acc:ZDB-GENE-040912-124]	4.490494489	1.990262742	-0.189423475	2.311292906
ENSORLG00000002501	-	bile salt -activated lipase-like [Source:NCBI gene:Acc:101174676]	5.903923266	0.508623717	-6.068582356	-0.610799074
ENSORLG00000016428	-	bile salt -activated lipase-like [Source:NCBI gene:Acc:101174676]	6.183049761	1.57612217	-4.810948029	-0.203536051
ENSORLG00000006281	ack2	phosphoenolpyruvate carboxykinase 2, mitochondrial [Source:NCBI gene:Acc:101158145]	3.265679773	0.092162479	-2.768800011	0.405202106
ENSORLG00000007902	hoac12a	homeobox protein Hox-C12a [Source:NCBI gene:Acc:101170268]	3.866480597	0.075003798	-4.468793712	-0.676830569
ENSORLG00000007495	ERMP1	endoplasmic reticulum metalloproteinase 1 [Source:HGNC Symbol:HGNC:23703]	4.096468942	1.517729029	-1.406617832	1.172606345
ENSORLG00000004256	emp1	epithelial membrane protein 1 [Source:ZFIN,Acc:ZDB-GENE-070822-2]	3.549150919	2.020821594	-0.941595418	0.587218887
ENSORLG00000016624	-	foxd1	5.549173265	3.095503028	-1.875605084	0.578552027
ENSORLG00000003247	foxd1	Oryzias latipes forkhead box D1 (foxd1), mRNA [Source:RefSeq mRNA,Acc:NM_001160452]	15.69788521	10.28146644	-5.462715463	-0.045834351
ENSORLG00000004356	si:ch211-276f	glucose-fructose oxidoreductase domain-containing protein 1 [Source:NCBI gene:Acc:101174141]	4.107160357	1.606858888	-0.966569281	1.534217622
ENSORLG00000017006	-	-	5.34860083	2.417790088	-2.548601988	0.382693589
ENSORLG00000016373	twis3	Oryzias latipes twist-related protein 2-like (LOC101185973), mRNA [Source:RefSeq mRNA,Acc:NM_001309012]	5.648500059	-2.4557753	-4.61393852	3.490829865
ENSORLG00000011921	-	-	3.719669037	1.766696827	-0.365568847	1.587888363
ENSORLG00000010556	ctnn2	catenin 2 [Source:ZFIN,Acc:ZDB-GENE-390630-12]	5.648665104	1.807491533	-0.9293337	3.109303498
ENSORLG00000016995	-	-	3.915101051	1.19595539	-0.415917519	2.403911726
ENSORLG00000001490	spny4	sprouty homolog 4 (Drosophila) [Source:ZFIN,Acc:ZDB-GENE-010603-2]	7.520409181	4.487721519	-1.204327249	1.828850574
ENSORLG00000016581	esrb	estrogen-related receptor beta [Source:ZFIN,Acc:ZDB-GENE-040616-2]	17.11569639	10.55897549	-2.477456588	4.87973655
ENSORLG00000014146	ENTPD2	ectonucleoside triphosphate diphosphohydrolase 2 [Source:HGNC Symbol:HGNC:3364]	4.345379155	1.132135707	-0.343418987	2.870310874
ENSORLG00000015532	pkdccb	protein kinase domain containing, cytoplasmic b [Source:ZFIN,Acc:ZDB-GENE-130530-599]	3.799533712	1.841383388	-2.412930836	-0.454295585
ENSORLG00000016908	GREM1 (1 of 2)	gremlin 1, DAN family BMP antagonist [Source:HGNC Symbol:HGNC:2001]	4.058075985	2.026219677	-2.767304688	-0.734963767
ENSORLG00000016585	-	-	3.548072816	1.923896017	-0.537880601	1.086780957
ENSORLG00000001278	plekha7a	pleckstrin homology domain containing, family A member 7a [Source:ZFIN,Acc:ZDB-GENE-050419-75]	3.806614855	1.177390926	-1.198779787	1.430929891
ENSORLG00000013479	lrm94tb	FERM domain containing 4B0 [Source:ZFIN,Acc:ZDB-GENE-100921-74]	3.226525646	0.737933796	-1.499470634	0.989660529
ENSORLG00000020213	cldn4	claudin 4 [Source:ZFIN,Acc:ZDB-GENE-010328-9]	7.015868657	1.735558818	-5.86301023	-0.587190188
ENSORLG00000020296	FBIN1 (1 of 2)	fibulin 1 [Source:HGNC Symbol:HGNC:3600]	3.97399029	0.532417758	-4.06236771	-0.564310697
ENSORLG00000004781	tns1b	tensin 1b [Source:ZFIN,Acc:ZDB-GENE-030131-6933]	4.121745436	1.171167432	-1.25068842	1.169974935
ENSORLG00000011664	mfp5	microfilament-associated protein 2 [Source:NCBI gene:Acc:101167732]	3.656705943	2.841362638	-1.397249606	-0.581376241
ENSORLG00000002810	-	-	5.355331967	0.58335906	-0.665490873	4.106966986
ENSORLG00000016589	faah	fatty acid amide hydrolase [Source:ZFIN,Acc:ZDB-GENE-070918-3]	4.458460765	0.106321514	-2.822313567	1.530310612
ENSORLG00000001873	TENT5A	terminal nucleotidyltransferase 5A [Source:NCBI gene:Acc:101158475]	5.106858282	1.593478514	-1.096527315	2.417338948
ENSORLG000000018182	-	-	4.315257347	1.342308514	-1.267759633	1.705675075
ENSORLG000000013889	-	-	3.537527611	2.122246621	-0.995291761	0.420474323
ENSORLG00000013582	-	-	7.49858101	1.546688853	-6.370825912	-0.418501767
ENSORLG000000011550	btbox1	butyrobetaine (gamma)-2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1 [Source:ZFIN,Acc:ZDB-GENE-050417-218]	3.95894118	0.473794345	-2.133534362	1.352097243
ENSORLG00000006259	mmp1a	multiple inactivator-polyphosphate phosphatase 1a [Source:ZFIN,Acc:ZDB-GENE-060929-1184]	4.601551324	0.036756316	-2.800747317	1.764532928
ENSORLG00000009808	-	-	3.146576836	1.589148917	0.021613047	1.579546545
ENSORLG000000012182	slc9a3r1b	solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3 regulator 1b [Source:ZFIN,Acc:ZDB-GENE-170530-6]	4.950958284	1.828955966	-1.884271731	1.237851401
ENSORLG00000000487	rs8b3a	RPS8-like 3a [Source:ZFIN,Acc:ZDB-GENE-091204-460]	4.30057218	-1.093588391	-3.29049925	2.104145208
ENSORLG00000011646	RASA2	RAS p21 protein activator 2 [Source:HGNC Symbol:HGNC:8872]	3.957335298	1.945109624	0.447979663	2.460688201
ENSORLG000000013413	pip5k1ba	phosphatidylinositol-4-phosphate 5-kinase, type 1, beta 1 [Source:ZFIN,Acc:ZDB-GENE-041010-81]	3.56756648	0.965348733	-2.055052622	0.547649761
ENSORLG000000016352	si:dkcy-256h2	si:dkcy-256h2.1 [Source:ZFIN,Acc:ZDB-GENE-030131-8466]	3.720947538	1.270973574	-0.385250218	2.06520835
ENSORLG000000010191	nr2f1a	nuclear receptor subfamily 2, group F, member 1a [Source:ZFIN,Acc:ZDB-GENE-380526-115]	3.127875621	2.437544602	-1.69353355	-1.002717956
ENSORLG00000002303	-	GIMAP family P-loop NTPase domain containing 1 [Source:NCBI gene:Acc:101171283]	16.6994368	10.96260686	-3.872653777	1.86515079
ENSORLG000000008785	-	-	5.033893979	3.494041892	-0.464489286	1075849704
ENSORLG000000010290	cpolce	procollagen C-endopeptidase enhancer A [Source:ZFIN,Acc:ZDB-GENE-041014-370]	4.604069371	1.623797028	-4.148510213	-1.167752824
ENSORLG00000004584	-	Oryzias latipes Herp 2 (LOC10049440), mRNA [Source:RefSeq mRNA,Acc:NM_001104814]	15.9482835	10.85596635	-0.532296748	4.567033612
ENSORLG000000013935	-	-	4.126359829	1.750004317	-1.105729649	1.271110006
ENSORLG00000000944	mf2	ring finger protein, transmembrane 2 [Source:NCBI gene:Acc:101163823]	3.790827296	1.226771136	-0.415882515	2.148659736
ENSORLG000000018185	lox3b	lysoyl oxidase-like 3b [Source:ZFIN,Acc:ZDB-GENE-030131-8240]	4.169735585	1.293556838	-1.407128082	1.469536156
ENSORLG00000011244	ank1b	ankyrin 1, erythrocytic b [Source:ZFIN,Acc:ZDB-GENE-091113-6]	5.531184224	-7.573896238	-9.015517352	4.090068833
ENSORLG00000004681	ARHGAP6	Rho GTPase activating protein 6 [Source:HGNC Symbol:HGNC:876]	4.209268382	1.785237908	-2.417337473	0.007177996
ENSORLG000000010798	-	-	4.79617438	-0.796882442	-2.817601456	2.77993275
ENSORLG000000010562	-	-	3.984543836	0.323846136	-3.833988617	-0.172786624
ENSORLG000000014343	d3	inhibitor of DNA binding 3, HLH protein [Source:NCBI gene:Acc:101164112]	3.976392992	2.26382511	-2.65968391	-0.946630981
ENSORLG000000009810	efna1b (1 of 2)	efrin A1 [Source:NCBI gene:Acc:101169993]	5.033159163	1.281535299	-1.467096682	2.285012117
ENSORLG000000007386	mat1a	S-adenosylmethionine synthase [Source:NCBI gene:Acc:101160342]	4.670255257	0.710464837	-2.816481352	1.143794536
ENSORLG000000013755	ctfb	core-binding factor, beta subunit [Source:ZFIN,Acc:ZDB-GENE-360526-440]	5.042678982	2.688174065	-1.888334753	0.466655685
ENSORLG000000003871	-	-	3.258842431	2.202145892	0.168576713	1.225758305
ENSORLG00000002101	AFAP11 (1 of 2)	actin filament associated protein 1 like 1 [Source:HGNC Symbol:HGNC:2674]	3.693083617	2.637037366	1.301984095	2.358514691
ENSORLG000000005650	ca6	carbonic anhydrase VI [Source:ZFIN,Acc:ZDB-GENE-030131-7091]	4.570691179	1.130642056	-2.814951003	0.625582384
ENSORLG000000007828	si:ch211-137f2	si:ch211-137f2.10 [Source:ZFIN,Acc:ZDB-GENE-060526-34]	4.881587993	2.105409658	-0.973278691	1.803384571

ENSORLG00000017598	pkra	protein kinase, interferon-inducible double stranded RNA dependent activator [Source:ZFIN;Acc:ZDB-GENE-050309-206]	6.21392501	3.96875078	-1.179326341	1.06633531
ENSORLG00000017476	1pr4	sphingosine-1-phosphate receptor 4 [Source:ZFIN;Acc:ZDB-GENE-050506-8]	16.44791233	11.98262287	-2.829714404	1.636041645
ENSORLG00000017066	slpl	alkaline phosphatase, liver/kidney [Source:ZFIN;Acc:ZDB-GENE-040420-1]	4.213965882	1.999016507	-0.682677222	1.532757013
ENSORLG00000015714	tagln	transgelin [Source:NCBI;gene:Acc:101169057]	4.196157138	2.974096245	-1.02940372	0.195142175
ENSORLG00000008671	st3gal5	ST3 beta-galactoside alpha-2,3-sialyltransferase 5 [Source:ZFIN;Acc:ZDB-GENE-060522-1]	3.120264914	1.460635413	-0.561239442	1.098875167
ENSORLG00000016685	-	-	3.915094536	2.000296282	-1.268851106	0.646432938
ENSORLG00000007837	nr1d4a	nuclear receptor subfamily 1, group D, member 4a [Source:ZFIN;Acc:ZDB-GENE-080403-3]	3.805115883	1.370501622	-0.289966942	2.145133267
ENSORLG00000000416	-	-	3.334449927	1.194754254	0.198780018	2.113688569
ENSORLG00000001080	xch	xanthine dehydrogenase [Source:ZFIN;Acc:ZDB-GENE-070719-9]	5.58024666	-1.387756817	-3.53933416	3.429154948
ENSORLG00000006880	ctprh	protein tyrosine phosphatase, receptor type, h [Source:ZFIN;Acc:ZDB-GENE-091118-90]	4.09391453	0.186736046	-1.919522591	1.988140508
ENSORLG00000014439	CEL	bile salt-activated lipase [Source:NCBI;gene:Acc:101172670]	6.104418832	1.656949649	-4.898853562	-0.450899506
ENSORLG00000007800	-	-	4.004159582	1.03992458	-0.994478011	1.970293493
ENSORLG00000003253	gstm	glutathione S-transferase (L-arginine:glycine amidinotransferase) [Source:ZFIN;Acc:ZDB-GENE-021015-1]	6.738761245	2.773884501	-4.275748792	-0.310386403
ENSORLG00000002221	-	-	4.40685237	0.497223245	-1.149088289	2.761025819
ENSORLG00000003797	MPP1E1	metallophosphoesterase 1 [Source:HGNC;Symbol:Acc:HGNC:15988]	5.007638366	-11.39973721	-1.798549488	14.60933344
ENSORLG00000016604	si:dkey-30e9.7	si:dkey-30e9.7 [Source:ZFIN;Acc:ZDB-GENE-131121-540]	3.517326638	1.295490351	0.304638663	2.526961252
ENSORLG00000011353	snrb	spectrin, beta, erythrocytic [Source:ZFIN;Acc:ZDB-GENE-000906-1]	6.115783608	2.384753811	-1.413347836	2.318170103
ENSORLG00000001820	rsal3	RAS protein activator like 3 [Source:ZFIN;Acc:ZDB-GENE-101130-3]	4.286408649	0.665601314	-3.150682249	0.470609666
ENSORLG00000011535	pcdh12	protocadherin 12 [Source:ZFIN;Acc:ZDB-GENE-140106-128]	4.248327786	2.191884264	-1.208072835	0.848855477
ENSORLG00000012606	tap2t	transporter associated with antigen processing, subunit type 1, telost specific [Source:ZFIN;Acc:ZDB-GENE-130531-48]	3.728650359	1.986119911	0.120334803	1.863350309
ENSORLG00000007617	-	-	6.241978563	3.585374976	-2.665440719	-0.008368212
ENSORLG00000015802	tmoxd4	tropomodulin 4 [Source:NCBI;gene:Acc:101166163]	3.72794587	0.51787778	-3.104010978	0.101389848
ENSORLG00000013113	si:dkey-65d13.3	si:dkey-65d13.3 [Source:ZFIN;Acc:ZDB-GENE-141216-308]	5.607517829	2.187721585	-2.388429035	1.031855245
ENSORLG00000009479	mafba	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog Ba [Source:ZFIN;Acc:ZDB-GENE-980576-516]	3.703272786	1.164656603	-2.42044637	0.118654617
ENSORLG00000016537	aldh8a1	aldehyde dehydrogenase 8 family member A1 [Source:NCBI;gene:Acc:101173520]	5.9530506	-0.181846478	-3.721487203	2.413894887
ENSORLG00000003322	-	-	3.694290736	0.149933356	-2.364183949	1.180658157
ENSORLG00000014464	-	bile salt-activated lipase [Source:NCBI;gene:Acc:101172916]	5.837388568	-0.3290286	-4.574438022	1.592463914
ENSORLG00000000881	-	-	3.516698006	1.335723556	-0.771980407	1.409479348
ENSORLG00000016793	rgs19	regulator of G-protein signaling 17 [Source:NCBI;gene:Acc:1011588610]	4.097104621	0.67683292	-1.576647795	1.844108789
ENSORLG00000003825	dhx58	DXH-box helicase 58 [Source:NCBI;gene:Acc:101162602]	4.379407761	0.939479999	-1.915182082	1.525230606
ENSORLG00000015920	-	-	4.0527815	1.856724688	-0.632521849	1.564207078
ENSORLG0000002044	hxf5	HLH homeobox 5 [Source:NCBI;gene:Acc:101166400]	4.775563745	1.944058583	-0.205297114	2.62669319
ENSORLG00000005151	ZBTB5	zinc finger and BTB domain containing 5 [Source:HGNC;Symbol:Acc:HGNC:23836]	3.227560267	1.340122848	-0.181665492	1.706256625
ENSORLG00000004953	plekha1a	pleckstrin homology domain-containing family A member 1 [Source:NCBI;gene:Acc:101161669]	3.353556362	1.59970243	0.58040543	2.33474464
ENSORLG00000000242	-	-	5.039724605	1.032190982	-1.53373686	2.474244452
ENSORLG000000003915	ptges	prostaglandin G synthase [Source:NCBI;gene:Acc:101162789]	4.356265281	2.194472253	-0.098832491	2.06345429
ENSORLG00000016646	lyco1a	LYC and coiled-coil domain containing 1a [Source:ZFIN;Acc:ZDB-GENE-110411-276]	3.24654922	-0.505999764	-1.861117183	1.891916711
ENSORLG00000001380	sh3bp4	SH3 domain binding protein 4 [Source:NCBI;gene:Acc:101160807]	3.268414831	2.005243947	0.840623319	2.104279157
ENSORLG00000012877	alc25a25b	calcium-binding mitochondrial carrier protein SCAMC-2-B [Source:NCBI;gene:Acc:101157381]	3.640235028	1.470778348	0.060109757	2.230052571
ENSORLG00000000098	zbtb2b	zinc finger E-box binding homeobox 2 [Source:NCBI;gene:Acc:101172786]	3.475486882	1.656039045	-2.248507293	-0.42857485
ENSORLG000000010317	isowaha	soxondowah ankyrin repeat domain family member Aa [Source:ZFIN;Acc:ZDB-GENE-100910-3]	3.748982655	-0.198219178	-1.633719519	2.319961619
ENSORLG00000012493	gls2a	glutaminase 2a (liver, mitochondrial) [Source:ZFIN;Acc:ZDB-GENE-081105-57]	5.026634129	0.057244988	-15.69319916	-10.72382304
ENSORLG00000004520	hsl11b11a1	hydroxysteroid 11-beta dehydrogenase 1 like [Source:NCBI;gene:Acc:10094905]	3.782407527	-0.773629506	-2.267139243	2.289381352
ENSORLG00000012382	adcy6a	adenylylate cyclase 6a [Source:ZFIN;Acc:ZDB-GENE-060221-1]	4.122411512	1.211290302	-1.380753651	1.530852951
ENSORLG00000017725	bd10	B cell CLL/lymphoma 10 [Source:ZFIN;Acc:ZDB-GENE-100219-2]	4.386626053	0.881144534	-2.417649513	1.088317512
ENSORLG00000005044	amh	anti-Müllerian hormone [Source:ZFIN;Acc:ZDB-GENE-050706-192]	4.805806138	2.351218842	-1.066811671	1.388226507
ENSORLG00000010779	ghdc2	ghen domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-140106-69]	4.27400437	2.016096952	-2.072621149	0.185807882
ENSORLG00000017717	gdn10b	gdnalin 10 [Source:NCBI;gene:Acc:101166512]	17.2190864	0	-17.2190612	0
ENSORLG00000013173	alc20a1a	solute carrier family 20, member 1a [Source:ZFIN;Acc:ZDB-GENE-040426-2217]	5.703802654	0.796387606	-5.203026254	-0.295109752
ENSORLG00000013546	dhx7cb	dehydrogenase/reductase (SDR family) member 7Cb [Source:ZFIN;Acc:ZDB-GENE-050522-278]	15.71664694	11.19295236	-1.071570585	3.452590803
ENSORLG00000016148	parp12a	poly (ADP-ribose) polymerase family, member 12a [Source:ZFIN;Acc:ZDB-GENE-050419-6]	3.007652115	-0.080319163	-1.758684271	1.329771926
ENSORLG00000016875	naga	N-acetylgalactosaminidase, alpha [Source:ZFIN;Acc:ZDB-GENE-051113-256]	3.451162327	0.25635924	-2.684800079	0.510487918
ENSORLG00000017488	roc2	amine oxidase, copper containing 2 [Source:ZFIN;Acc:ZDB-GENE-050320-133]	3.485099568	2.102991969	-2.611237768	-1.228645173
ENSORLG00000005491	-	-	4.825183491	2.758348813	0.211252667	2.278572539
ENSORLG00000002242	cp17a2	Cyp17a2-like steroid 17-alpha-hydroxylase/17,20 lyase-like (cp17a2) mRNA [Source:RefSeq; mRNA:Acc:NM_00278876]	5.352402955	2.062826538	-0.673941641	2.616137713
ENSORLG00000005620	KLF6	Kruppel like factor 6 [Source:HGNC;Symbol:Acc:HGNC:2233]	3.752229229	1.091604502	-1.81773266	0.843336535
ENSORLG00000003404	cavatb4	carvalbumin beta [Source:NCBI;gene:Acc:101173896]	5.278239454	-1.666534679	-8.22676398	-1.281004433
ENSORLG00000015238	-	-	3.57030767	1.569292988	0.18115419	2.182653658
ENSORLG000000003520	rem2b	Fnrl1 related extracellular matrix protein 2b [Source:ZFIN;Acc:ZDB-GENE-081119-4]	4.063763967	2.407296854	-0.508450745	1.148497995
ENSORLG00000012314	rd1a	rho-related GTP-binding protein RhoG [Source:NCBI;gene:Acc:101157215]	3.678537651	0.878630013	-0.117521654	2.682871569
ENSORLG00000006338	-	-	3.584410586	2.301298351	0.327168241	1.610765887
ENSORLG00000006095	nr2a	neuronalin 2a [Source:ZFIN;Acc:ZDB-GENE-070615-10]	3.262995363	0.101194232	-2.014186609	1.148166458
ENSORLG00000015818	-	-	3.494518831	-0.447260617	-2.128953474	1.813310859
ENSORLG00000012173	pk2a	pyruvate dehydrogenase kinase, isozyme 2a [Source:ZFIN;Acc:ZDB-GENE-120910-1]	3.261192995	1.090575905	-0.965517164	1.205585321
ENSORLG00000016446	-	-	4.216130222	2.374397472	-2.701410946	-0.859192138

	ENSORLG00000011270	nr1h4	nuclear receptor subfamily 1 group H member 4 [Source:NCBI geneAcc:101166124]	3.95304312	-0.989108477	-1.958875822	2.983721912
	ENSORLG00000015784	canrk2n1a	calcium/calmodulin dependent protein kinase II inhibitor 2 [Source:NCBI geneAcc:101167903]	4.134709315	0.856523722	-1.060573349	2.218098001
	ENSORLG00000009970	CCDC177	coiled-coil domain containing 177 [Source:HGNC Symbol;Acc:HGNC:23243]	3.013512082	0.428332107	-1.385513438	1.200160961
	ENSORLG00000014976	-	-	5.043437161	0.762955855	-2.842807029	1.437686225
	ENSORLG00000005451	egr1	early growth response 1 [Source:ZFIN;Acc:ZDB-GENE-980526-320]	5.305593447	1.43579804	-1.429394737	2.440895565
	ENSORLG00000002566	scl3a2	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2 [Source:ZFIN;Acc:ZDB-GENE-040426-2389]	5.210747859	-0.283065823	-3.686251691	1.8004497
	ENSORLG00000016602	-	-	3.599681454	0.915157508	-2.600887915	0.084119462
	ENSORLG00000009627	ntf5c2l1	5'-nucleotidase, cytosolic II, like 1 [Source:ZFIN;Acc:ZDB-GENE-031006-8]	7.145605655	1.993365001	-0.831042188	4.321690125
	ENSORLG00000015940	h1b	H1-1 proto-oncogene, ETS transcription factor b [Source:ZFIN;Acc:ZDB-GENE-031114-3]	5.049464749	1.999796795	-2.633591939	0.416561568
	ENSORLG00000013704	ncoa3	nuclear receptor coactivator 3 [Source:ZFIN;Acc:ZDB-GENE-051107-8]	3.493188434	1.47526823	-0.13557476	1.882830321
	ENSORLG00000017833	-	-	5.958987794	1.558075464	-1.487328745	2.914069501
	ENSORLG00000001145	scl22a4	solute carrier family 22 (organic cation/zwitterion transporter), member 4 [Source:ZFIN;Acc:ZDB-GENE-040426-1517]	5.358340598	1.188736562	-1.021130971	3.14895192
	ENSORLG00000004552	-	-	15.7122367	18.18227795	-1.75634884	0.813064246
	ENSORLG00000008610	arhgef3l	Rho guanine nucleotide exchange factor (GEF) 3, like [Source:ZFIN;Acc:ZDB-GENE-050922-85]	4.136291689	1.537635572	-1.670318245	0.928821876
	ENSORLG00000016399	agtb	serine - pyruvate aminotransferase [Source:NCBI geneAcc:101151325]	7.05397491	1.175830319	-2.890616151	2.998027957
	ENSORLG00000017115	-	-	6.48025518	-11.17997749	-3.788522926	13.94211391
	ENSORLG00000016336	-	-	8.248683112	-7.50619986	-7.125387775	-1.384238575
	ENSORLG00000000398	agrp	agouti related neuropeptide [Source:ZFIN;Acc:ZDB-GENE-040817-1]	7.69779008	2.252281674	-3.353136771	0.092776239
	ENSORLG00000001030	MID1IP1	MID1 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:20715]	3.686464607	1.196786972	-0.667007392	1.823155128
	ENSORLG00000014533	lunba	transcription factor jun-B [Source:NCBI geneAcc:101169770]	4.822666742	0.832788609	-1.702848443	2.287514948
	ENSORLG00000009125	scl5a11	solute carrier family 5 (sodium/inositol cotransporter), member 11 [Source:ZFIN;Acc:ZDB-GENE-041114-9]	7.19197539	-8.620952902	-2.977673091	12.83578397
	ENSORLG00000008562	kcm2nb	lysine O ⁶ -specific demethylase 2b [Source:ZFIN;Acc:ZDB-GENE-080275-13]	3.528782477	0.936165675	0.228996619	2.820097431
	ENSORLG00000017239	ubt3	ubiquitin protein ligase E3 component n-recogin 3 [Source:ZFIN;Acc:ZDB-GENE-030131-1473]	3.732036611	1.86844782	0.672144738	2.536218959
	ENSORLG00000016099	ptrn	cleistothochin [Source:NCBI geneAcc:101158248]	3.139945877	2.55338896	1.719064016	2.306105941
	ENSORLG00000007121	prkd2	protein kinase D2 [Source:ZFIN;Acc:ZDB-GENE-131120-142]	3.279544789	1.659266855	-0.980083878	6.640678874
	ENSORLG00000017041	HOX85 (1 of n)	homeobox B5 [Source:HGNC Symbol;Acc:HGNC:5116]	5.17301842	1.58571788	-4.855850005	-1.268072793
	ENSORLG00000014078	kctd7	potassium channel tetramerization domain containing 7 [Source:ZFIN;Acc:ZDB-GENE-060804-2]	3.057735358	1.440134855	0.391143955	2.009228669
	ENSORLG00000003372	-	-	4.788395627	-0.028970113	-2.310594526	2.506946027
	ENSORLG00000000364	-	-	4.616264883	2.194247659	-0.02371913	2.409553671
	ENSORLG00000000913	si:ch73-63a15	si:ch73-63a15.2 [Source:ZFIN;Acc:ZDB-GENE-091204-463]	3.707686556	1.005922387	-1.329098501	1.373150624
	ENSORLG00000014142	wasa	Wiskott-Aldrich syndrome (eczema-thrombocytopenia) a [Source:ZFIN;Acc:ZDB-GENE-081104-419]	4.377873956	1.630186374	-2.798114571	-0.049949869
	ENSORLG00000021762	-	-	4.092921617	0.635813338	-1.270433385	2.187154814
	ENSORLG00000016555	rat3db	RAB3D, member RAS oncogene family, b [Source:ZFIN;Acc:ZDB-GENE-040718-428]	3.022517784	-0.534852847	-2.255807428	1.302048211
	ENSORLG00000018183	cox4i2	cytochrome c oxidase subunit 1, mitochondrial [Source:NCBI geneAcc:101172078]	4.460236894	1.507034993	-2.576218063	0.374688842
	ENSORLG00000005530	-	-	3.26512627	0.954750335	-1.868650565	0.432209866
	ENSORLG00000017013	col1	collagen type 1 alpha 1 [Source:NCBI geneAcc:100444988]	5.191811628	2.204410913	-3.937964556	-0.950079044
	ENSORLG00000010286	-	-	4.380129006	3.9140523	0.051841684	0.518400077
	ENSORLG00000004326	tyrp1a	tyrosinase-related protein 1a [Source:ZFIN;Acc:ZDB-GENE-070718-2]	4.948163131	0.360301499	-3.143251459	1.445094707
	ENSORLG00000001055	gag2	grass carp reovirus (GCRV)-induced gene 2 [Source:ZFIN;Acc:ZDB-GENE-081022-181]	5.576571063	2.902727706	-0.990174048	1.684154521
	ENSORLG00000011450	-	-	7.070895678	3.650848005	-2.199359763	1.211171881
	ENSORLG00000004035	-	-	4.851315873	0.963981356	-2.648315414	1.239505013
	ENSORLG00000005297	ab	Oryzias latipes hemoglobin embryonic subunit alpha-like (LOC101155030), mRNA [Source:RefSeq mRNA;Acc:NM_001789881]	8.60010769	2.966423589	-3.487102863	2.147066804
	ENSORLG00000015202	adams15b	ADAM metalloproteinase with thrombospondin type 1 motif, 15b [Source:ZFIN;Acc:ZDB-GENE-070814-5]	4.657183268	1.342556331	-3.805973502	-0.490860161
	ENSORLG00000002623	CCR7	C-C motif chemokine receptor 7 [Source:HGNC Symbol;Acc:HGNC:1608]	4.103422309	1.458820735	-0.767671224	1.877415591
	ENSORLG00000015068	scl52a3	solute carrier family 52 (riboflavin transporter), member 3 [Source:ZFIN;Acc:ZDB-GENE-060421-4460]	5.22591262	2.689781551	-2.84576532	-0.309154134
	ENSORLG00000010905	tyr	tyrosinase [Source:ZFIN;Acc:ZDB-GENE-991026-3]	4.78214752	0.927038729	-2.20853005	1.647064508
	ENSORLG00000009484	ofm2b	noclin 2 [Source:NCBI geneAcc:101169664]	4.347741606	1.880430012	-2.915804169	-0.448006488
	ENSORLG00000008349	scl6a7	solute carrier family 6 member 7 [Source:ZFIN;Acc:ZDB-GENE-070112-1492]	3.727141759	0.496699539	-1.192932711	2.03799539
	ENSORLG00000003034	BMP2	bone morphogenetic protein receptor type 2 [Source:HGNC Symbol;Acc:HGNC:1078]	3.329018574	0.893255809	-0.800542163	1.635705657
	ENSORLG00000003985	brt33	E3 ubiquitin-protein ligase TRIM39 [Source:NCBI geneAcc:101163112]	6.433318264	2.533719823	-1.511366803	2.288716562
	ENSORLG00000003855	ASB13 (1 of n)	ankyrin repeat and SOCS box containing 13 [Source:HGNC Symbol;Acc:HGNC:19763]	3.905238695	1.430539025	-0.263152293	2.212032535
	ENSORLG00000016739	zgc-64051	leukocyte surface antigen CD53 [Source:NCBI geneAcc:101168124]	4.014937892	2.508325589	-1.801226039	-0.294128954
	ENSORLG00000005254	-	-	5.863525904	2.91547584	-2.912596119	0.03939381
	ENSORLG00000016347	nhsa	Nance-Horan syndrome (congenital cataracts and dental anomalies) [Source:ZFIN;Acc:ZDB-GENE-090617-1]	4.34742005	1.221393366	-1.67948644	1.446847418
	ENSORLG00000011783	chp12	chondroitin polymerizing factor 2 [Source:ZFIN;Acc:ZDB-GENE-030131-7797]	4.159312355	2.5957542	0.682931765	2.246974311
	ENSORLG00000002211	-	-	3.367163586	2.504417565	0.396820308	1.260050567
	ENSORLG00000015110	-	-	5.219107312	0.319377072	-1.964929496	2.932851617
	ENSORLG00000008574	irf2	interferon regulatory factor 2 [Source:ZFIN;Acc:ZDB-GENE-041212-38]	5.953391844	3.299101386	-1.523169346	1.131606059
	ENSORLG00000005190	scn1b	gabrain [Source:NCBI geneAcc:101159773]	5.432171473	0.918620432	-3.289359335	1.22467665
	ENSORLG00000013182	inpc1	inpc1 [Source:ZFIN;Acc:ZDB-GENE-080819-1]	4.946668624	1.830741335	0.539472456	2.774836314
	ENSORLG00000012288	MGMAM	maltese-glycosylase [Source:HGNC Symbol;Acc:HGNC:7043]	4.356416544	-1.117973417	-2.746413393	2.27687405
	ENSORLG00000010524	ana	anilin a [Source:ZFIN;Acc:ZDB-GENE-030131-8434]	5.058158977	2.359258298	-2.188123436	0.501280133
	ENSORLG00000005329	kanh2	KN motif and ankyrin repeat domains 2 [Source:ZFIN;Acc:ZDB-GENE-040724-121]	4.380230575	2.14474586	-0.84503517	1.390933978
	ENSORLG00000001960	si:ch211-51c1	si:ch211-51c1.1 [Source:ZFIN;Acc:ZDB-GENE-120215-48]	4.101973881	1.686728385	-0.051109696	0.364620317
	ENSORLG00000006726	zgc-114045	zgc-114045 [Source:ZFIN;Acc:ZDB-GENE-050913-119]	3.387640539	0.353390116	-0.704456852	2.33027795
	ENSORLG00000017188	-	-	5.064891545	0.675734074	-5.218295324	-0.828652375
	ENSORLG00000010348	P2RY6	pyrimidinergic receptor P2Y6 [Source:HGNC Symbol;Acc:HGNC:8543]	5.226990277	2.234967447	-0.912907462	2.079600014
	ENSORLG00000014390	qf1b	growth factor independent 1B transcription repressor [Source:ZFIN;Acc:ZDB-GENE-091118-129]	5.65303964	1.92951203	-1.683578663	2.040395422

ENSRLOG00000017569	marks1a	MARCKS-like 1a [Source:ZFIN,Acc:ZDB-GENE-040426-2146]	5.221144992	1.743626837	-2.548259095	0.92974414
ENSRLOG00000013837	-	-	3.32570674	1.438577067	-1.341085603	0.546528872
ENSRLOG00000003773	mrx2b	motor neuron and pancreas homeobox 2b [Source:ZFIN,Acc:ZDB-GENE-040415-2]	4.127347964	2.476336394	-2.564782051	-0.913285013
ENSRLOG00000002067	SRF1 (1 of m	serum response factor 1 [Source:HGNC,Symbol,Acc:HGNC:3360]	4.54510061	1.690516985	-2.79873823	-0.015353547
ENSRLOG00000010690	krf9	Kruppel-like factor 9 [Source:ZFIN,Acc:ZDB-GENE-060526-244]	3.44769538	0.787927844	-1.096888719	1.563363999
ENSRLOG00000013637	lcat2	lysophosphatidylcholine acyltransferase 2 [Source:ZFIN,Acc:ZDB-GENE-050522-229]	3.663439941	2.1368755	-1.113144035	0.413904987
ENSRLOG00000004609	ltga1	integrin, alpha 1 [Source:ZFIN,Acc:ZDB-GENE-091118-115]	3.068865276	2.85201875	-0.06874989	0.148580122
ENSRLOG00000006420	capgb	capping actin protein, gelsolin like [Source:NCBI gene,Acc:101163360]	4.53735545	1.581819061	-1.951244586	1.004776783
ENSRLOG00000002764	si:dkeyp-86f7	si:dkeyp-86f7 4 [Source:ZFIN,Acc:ZDB-GENE-091204-252]	5.382815724	-0.354390362	-3.26175131	2.441515172
ENSRLOG00000005169	arhgap32a	Rho GTPase activating protein 32a [Source:ZFIN,Acc:ZDB-GENE-060503-918]	5.276669901	1.557640371	-0.983512583	2.736004714
ENSRLOG00000003776	-	-	3.507523778	1.78337373	-2.424259845	0.69944573
ENSRLOG00000004197	ly75	lymphocyte antigen 75 [Source:ZFIN,Acc:ZDB-GENE-050309-166]	4.227797598	1.088639554	-1.156137305	1.983505578
ENSRLOG00000007909	hoxc11a	homeobox C11a [Source:ZFIN,Acc:ZDB-GENE-990415-111]	4.175626452	-0.533812071	-2.337976697	2.371946131
ENSRLOG00000007955	hoxf4	Oryzias latipes homeobox C4 (hoxc4), mRNA [Source:RefSeq, mRNA,Acc:NM_001104878]	3.489530974	0.692830756	-3.024329459	-0.247144143
ENSRLOG00000000800	nav2a	neuron navigator 2b [Source:ZFIN,Acc:ZDB-GENE-120502-31]	3.712179714	2.176228935	-1.196557903	0.339877093
ENSRLOG00000001756	NPTX1	neuronal pentraxin 1 [Source:HGNC Symbol,Acc:HGNC:7852]	4.059650955	0.767919371	-2.218599152	1.07361644
ENSRLOG00000010018	rc3h2	ring finger and CCH-type domains 2 [Source:ZFIN,Acc:ZDB-GENE-060503-694]	4.983926581	2.574780844	-0.158925371	2.250705316
ENSRLOG00000002535	ttc36	tetratricopeptide repeat domain 36 [Source:NCBI gene,Acc:10110298]	5.872261003	1.549397876	-2.510972542	1.812375226
ENSRLOG000000016818	RBMS1 (1 of m	RNA binding motif single stranded interacting protein 1 [Source:HGNC Symbol,Acc:HGNC:9907]	3.473553069	1.285082856	-0.434618048	1.754337775
ENSRLOG00000002901	-	-	3.851166948	1.891135822	-1.208175021	0.752339977
ENSRLOG00000009620	fscn1b	fascin actin-bundling protein 1b [Source:ZFIN,Acc:ZDB-GENE-120507-1]	3.608753994	0.671569769	-0.857435615	2.080234567
ENSRLOG00000012415	-	-	3.918028874	1.91805282	0.348538802	2.348846535
ENSRLOG00000003020	gb	Oryzias latipes hemoglobin subunit beta-1-like (gb), mRNA [Source:RefSeq, mRNA,Acc:NM_001278824]	6.325032807	0.111864033	-3.950626181	2.263027464
ENSRLOG000000010775	tzd4	triazolide class receptor 4 [Source:ZFIN,Acc:ZDB-GENE-990415-217]	4.503750283	1.735400971	-0.392031769	2.376802288
ENSRLOG00000007672	-	-	5.652550364	1.13076724	-3.844471724	0.677801249
ENSRLOG00000000406	-	-	4.897475662	0.95757658	-1.830037982	2.110786573
ENSRLOG00000001370	-	-	4.730807191	2.805463476	2.234236064	2.1609046
ENSRLOG000000011418	ntcd5	ntf1-dependent gene 5 [Source:ZFIN,Acc:ZDB-GENE-031030-7]	4.866703477	2.644188915	-1.572937441	0.65006267
ENSRLOG00000017257	-	-	3.526729007	1.261425401	-2.50321202	-0.237423434
ENSRLOG000000010567	si:dkey-51d8	si:dkey-51d8 3 [Source:ZFIN,Acc:ZDB-GENE-081103-8]	4.711009094	3.172951799	-1.27862408	0.261921744
ENSRLOG00000007061	-	-	3.747574187	2.420332893	-0.503899979	0.823861222
ENSRLOG00000003007	rlp19 (1 of m	60S ribosomal protein L19 [Source:NCBI gene,Acc:10137445]	3.538074785	0.84055303	-1.560776783	1.137229914
ENSRLOG000000017926	bach2b	BTB and CNC homology 1, basic leucine zipper transcription factor 2b [Source:ZFIN,Acc:ZDB-GENE-041001-139]	3.414447005	1.711111105	-2.409319453	-0.705498657
ENSRLOG00000007937	PHLPP2	PH domain and leucine rich repeat protein phosphatase 2 [Source:HGNC Symbol,Acc:HGNC:29149]	3.266513279	1.519615991	-1.076818546	0.670563157
ENSRLOG000000018111	TMEM67A	transmembrane protein 67A [Source:HGNC Symbol,Acc:HGNC:24529]	3.48284629	1.190127567	-0.224082736	2.069119674
ENSRLOG00000009268	srfs5a	serine and arginine rich splicing factor 5 [Source:NCBI gene,Acc:101161448]	3.111426532	1.06852828	0.02670949	2.070091525
ENSRLOG000000015567	pou6f1	POU class 6 homeobox 1 [Source:ZFIN,Acc:ZDB-GENE-980526-530]	3.65218243	1.084466566	-0.331288817	2.236912968
ENSRLOG000000004402	tp73	tumor protein p73 [Source:ZFIN,Acc:ZDB-GENE-030814-21]	5.989561703	1.264491093	-0.836063068	3.889489754
ENSRLOG00000005899	-	-	4.021738524	-2.534924635	-4.075985738	2.481161094
ENSRLOG00000007133	-	-	3.473505407	-13.15645603	-3.75708673	13.37338313
ENSRLOG000000015651	csmp2	cysteine-serine-rich nuclear protein 2 [Source:ZFIN,Acc:ZDB-GENE-080312-137]	4.988530669	1.915446036	-1.280503476	1.788519955
ENSRLOG00000009359	-	-	5.452802157	1.835285893	-2.925818897	0.692186157
ENSRLOG000000013268	tnfrsf10	TNF superfamily member 10 [Source:ZFIN,Acc:ZDB-GENE-040718-335]	3.653705256	1.966816015	-1.727609138	-0.040234882
ENSRLOG000000013104	-	-	3.466392934	2.053811646	-0.420269185	0.992791778
ENSRLOG00000004325	-	-	6.514295037	-9.677807716	-1.477093276	14.71551859
ENSRLOG00000003505	-	-	3.466292486	0.047981914	-0.577486723	2.841310102
ENSRLOG000000017886	collec12	collectin sub-family member 12 [Source:ZFIN,Acc:ZDB-GENE-030131-9807]	3.37724709	2.641289566	-2.22362672	-1.487184235
ENSRLOG000000010321	cd2ry10	P2Y receptor family member 10 [Source:ZFIN,Acc:ZDB-GENE-070410-105]	5.578096721	2.16178254	-2.282049896	1.134746081
ENSRLOG000000000559	TNNI2 (1 of m	tropomyosin 12, fast skeletal type [Source:HGNC Symbol,Acc:HGNC:11946]	4.747495654	0.447224035	-5.661149924	-1.360393999
ENSRLOG00000007523	c2cd2l	c2cd2-like [Source:ZFIN,Acc:ZDB-GENE-041019-1]	3.565882031	0.658033076	-1.421756135	1.486576816
ENSRLOG000000013130	apodb (1 of m	apolipoprotein Db [Source:ZFIN,Acc:ZDB-GENE-051023-8]	5.894784224	1.186424068	-2.930150917	1.778693986
ENSRLOG000000015267	btg1	BTG anti-proliferation factor 1 [Source:NCBI gene,Acc:101168651]	4.238858086	1.17318338	-2.845879887	0.220279555
ENSRLOG000000015915	si:dkey-21a6.5	si:dkey-21a6.5 [Source:ZFIN,Acc:ZDB-GENE-131121-257]	5.569968154	2.898939015	-0.095752158	2.575759446
ENSRLOG000000008560	pdia2	protein disulfide isomerase family A, member 2 [Source:ZFIN,Acc:ZDB-GENE-040426-705]	4.118794783	1.09445304	-2.944983826	0.07942925
ENSRLOG00000007509	arab5b	CAMP response element binding protein 5b [Source:ZFIN,Acc:ZDB-GENE-091020-6]	4.012277468	1.644515306	-1.72688827	0.642160029
ENSRLOG000000006785	dk2	dkk2ip1 WNT signaling pathway inhibitor 2 [Source:ZFIN,Acc:ZDB-GENE-080204-14]	3.538619311	1.377242526	0.169635744	2.331496707
ENSRLOG000000016748	lamb1b	laminin subunit beta-1 [Source:NCBI gene,Acc:101165882]	3.251010421	2.244165231	-1.755276151	-0.747946053
ENSRLOG000000012030	styk1b	serine/threonine-tyrosine kinase 1b [Source:ZFIN,Acc:ZDB-GENE-030131-3435]	6.928265438	1.950736745	-4.948255882	0.029742548
ENSRLOG00000002526	fermt3b	fermitin family member 3b [Source:ZFIN,Acc:ZDB-GENE-040426-1366]	3.42187949	1.498378337	-1.714488688	0.209497437
ENSRLOG000000004035	-	-	16.73441485	0	-3.965904847	12.76900099
ENSRLOG00000003968	sp4	Sp4 transcription factor [Source:HGNC Symbol,Acc:HGNC:11209]	3.776018071	1.10309995	-0.159823817	2.513578384
ENSRLOG000000012155	rxra	retinoid X receptor, alpha 1 [Source:ZFIN,Acc:ZDB-GENE-070314-2]	4.116069249	1.647112352	-1.336782722	1.132658279
ENSRLOG000000002465	kkkb	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta [Source:ZFIN,Acc:ZDB-GENE-071115-2]	3.593572904	1.480995407	-1.089626304	1.023436162
ENSRLOG000000002049	si:dkeyp-87d8	si:dkeyp-87d8 8 [Source:ZFIN,Acc:ZDB-GENE-041111-161]	4.404974517	0.726107579	-0.9222901	2.75706936
ENSRLOG000000017372	dk2a	distal-less homeobox 2a [Source:ZFIN,Acc:ZDB-GENE-980526-212]	3.72459942	-1.063110168	-2.781439645	2.006613802

ENSRGLG00000016573	myb	Oryzias latipes MYB proto-oncogene, transcription factor (myb), mRNA [Source:RefSeq; mRNAAccession:001104689]	3.016783936	0.417091136	-0.554459637	2.045717732
ENSRGLG00000018188	-	-	5.532851228	0.746231352	-2.799147881	1.987956944
ENSRGLG00000001272	tgf1a1	transforming growth factor, beta 1a [Source:ZFIN;Acc:ZDB-GENE-030618_1]	4.401201635	2.155845366	0.044052438	2.289894035
ENSRGLG00000002467	daps	dihydropyrimidinase [Source:ZFIN;Acc:ZDB-GENE-070508_1]	4.252299661	-0.339048899	-4.110797463	0.481037663
ENSRGLG00000000328	stc1l	stromal cell 1, like [Source:ZFIN;Acc:ZDB-GENE-040426_1821]	10.30396611	-1.794215768	-8.304149548	3.794538042
ENSRGLG00000013632	-	-	4.910154168	0.161680274	-3.356083328	1.392875477
ENSRGLG00000016898	slip	selectin P [Source:ZFIN;Acc:ZDB-GENE-110107_21]	4.559320754	2.962195084	-2.642273754	1.04466368
ENSRGLG00000007200	pev5fb	peroxisomal biogenesis factor 5-like 1 [Source:ZFIN;Acc:ZDB-GENE-111221_1]	3.554321301	0.852933964	-0.560358848	2.141510947
ENSRGLG00000000070	large2	LARGE xylosyl- and glucuronyltransferase 2 [Source:ZFIN;Acc:ZDB-GENE-050419_253]	4.11068377	1.507085735	-0.296074346	0.50739418
ENSRGLG000000008277	ptfla	pancreas associated transcription factor 1a [Source:NCBI; gene:Acc:101160350]	16.71999249	9.594380594	-4.93275808	2.193323771
ENSRGLG00000013548	Flu1	Flu-1 proto-oncogene, ETS transcription factor [Source:HGNC; Symbol; Acc:HGNC:3749]	4.437979421	2.140620312	-1.940293546	0.357549324
ENSRGLG00000004854	-	-	3.912413923	0.752867684	-1.434307819	1.726724354
ENSRGLG00000007299	-	-	3.027864871	-0.136526954	-2.853492881	0.281384372
ENSRGLG00000001724	EXT1 (1 of many)	extosian glycosyltransferase 1 [Source:HGNC; Symbol; Acc:HGNC:3512]	3.238404085	0.48185021	-2.314352531	0.442806452
ENSRGLG00000017303	zpc15405b	zpc15405b [Source:ZFIN;Acc:ZDB-GENE-060929_612]	5.750758892	1.71371053	-1.488430787	1.549029961
ENSRGLG00000009476	foxp1	forkhead box P1 [Source:NCBI; gene:Acc:101171163]	3.613536146	1.570919133	-3.848970464	0.159089553
ENSRGLG00000005775	TGFB11	transforming growth factor beta 1 induced transcript 1 [Source:HGNC; Symbol; Acc:HGNC:11767]	4.057482752	1.931854571	-1.73843932	0.387679137
ENSRGLG00000017030	-	-	3.869692323	2.258468547	0.230844625	1.842553337
ENSRGLG00000001186	hspb8	heat shock protein family B (small) member 8 [Source:NCBI; gene:Acc:101166228]	3.222328152	1.143760314	-1.759854177	0.320152365
ENSRGLG00000011146	h3s3b1b	hesian sulfate (glucosamine) 3-O-sulfotransferase 3B1b [Source:ZFIN;Acc:ZDB-GENE-070202_5]	4.066432141	2.503169873	-0.909051725	0.654696241
ENSRGLG00000008984	-	-	4.742367274	0.877383688	-2.289940348	1.575529426
ENSRGLG00000012559	prapa	GRB2 related adaptor protein A [Source:ZFIN;Acc:ZDB-GENE-050522_347]	6.154149779	3.831144315	-1.348175466	0.97307715
ENSRGLG00000008497	-	-	4.25354386	1.027875549	-2.860263784	0.365899406
ENSRGLG00000004233	Tgf18a	fibroblast growth factor 18a [Source:ZFIN;Acc:ZDB-GENE-030714_1]	3.926417052	1.578885999	-0.653001103	1.695013218
ENSRGLG00000005185	-	-	4.673662063	2.041068939	0.125776174	2.758853423
ENSRGLG00000015849	foxp4	forkhead box P4 [Source:ZFIN;Acc:ZDB-GENE-101207_1]	4.71015307	1.50841309	-2.939878394	0.222535827
ENSRGLG00000017116	foxb	Fox b [Source:NCBI; gene:Acc:100048473]	4.701761138	-0.101761138	-3.197759943	1.839111734
ENSRGLG00000014598	-	-	3.120109614	2.477046724	0.116102977	0.759658854
ENSRGLG00000001976	FLIP1L	flavin A interacting protein 1 like [Source:HGNC; Symbol; Acc:HGNC:24589]	3.279896615	0.923541818	-1.7964714	0.56042179
ENSRGLG00000015696	atp1b1a	sodium/potassium-transporting ATPase subunit beta-233 [Source:NCBI; gene:Acc:101164836]	3.399369992	2.054933594	1.151030607	2.49594913
ENSRGLG00000018010	col4a1	collagen, type IV, alpha 1 [Source:ZFIN;Acc:ZDB-GENE-081105_114]	4.73090968	2.538103336	-0.191907418	1.174213179
ENSRGLG000000016936	dusp3b	dual specificity phosphatase 3b [Source:ZFIN;Acc:ZDB-GENE-030616_38]	4.167039994	1.884761264	-1.822685345	0.460076337
ENSRGLG00000017550	zfp9b	zinc finger, NFX1-type containing 1 [Source:ZFIN;Acc:ZDB-GENE-091111_3]	3.065257824	0.854134422	0.168110734	2.379718411
ENSRGLG00000006096	znfx1	zinc finger, NFX1-type containing 1 [Source:ZFIN;Acc:ZDB-GENE-110904_2]	3.574738602	1.320504306	-0.50857348	1.746145848
ENSRGLG00000013955	mra9b	matrix-remodelling associated 9b [Source:ZFIN;Acc:ZDB-GENE-061013_368]	3.098212545	1.760771921	-0.563581025	0.77434358
ENSRGLG00000017624	sqp1a.1	equippin 1 (Colton blood group) [Source:NCBI; gene:Acc:101155722]	5.594957124	0.857275919	-4.957453698	-0.219287624
ENSRGLG00000005043	hoxa13a	homeobox protein Hox-A13a [Source:NCBI; gene:Acc:101162380]	5.320202892	-0.041157662	-2.702622702	2.659223152
ENSRGLG00000016599	agap2	ARFAP with G1-Pase domain, ankyrin repeat and PH domain 2 [Source:ZFIN;Acc:ZDB-GENE-061103_343]	5.382384574	2.320438994	-2.11250124	0.950326166
ENSRGLG00000016757	lxn	leucamin [Source:ZFIN;Acc:ZDB-GENE-081105_159]	4.551561274	1.787589227	-2.05082846	0.713648092
ENSRGLG00000009099	zap70	zeta chain of T cell receptor associated protein kinase 70 [Source:ZFIN;Acc:ZDB-GENE-050522_257]	4.510614142	1.660394266	-1.314531672	1.53617357
ENSRGLG00000014709	megf10	multiple EF-like domains 10 [Source:ZFIN;Acc:ZDB-GENE-080506_1]	4.577992248	2.043382963	-1.719311885	0.815786415
ENSRGLG00000003223	hsd11b2	hydroxysteroid (11-beta) dehydrogenase 2 [Source:ZFIN;Acc:ZDB-GENE-030131_6030]	3.628092728	2.239966358	-2.841183106	1.452572035
ENSRGLG00000004247	flnca	flamin C [Source:NCBI; gene:Acc:101165476]	4.603988898	1.818308339	-2.633275739	1.514891543
ENSRGLG00000002516	-	-	4.612424605	1.57614038	-1.573001478	1.463767778
ENSRGLG00000002650	-	-	3.147689025	1.969546094	0.416603816	1.592318003
ENSRGLG00000012975	-	-	3.815397463	2.229650386	-0.63590108	0.951140252
ENSRGLG00000000480	STK32C	serine/threonine kinase 32C [Source:HGNC; Symbol; Acc:HGNC:21332]	3.679081199	1.114716732	-2.981076138	-0.416224751
ENSRGLG00000009545	mena	mosasin A [Source:ZFIN;Acc:ZDB-GENE-071211_2]	3.203843184	1.252107546	0.052589288	2.007509921
ENSRGLG00000013669	zbtb8b	zinc finger and BTB domain containing 8b [Source:ZFIN;Acc:ZDB-GENE-050417_42]	3.754973348	1.635034449	-0.543626558	1.576797015
ENSRGLG00000008590	hsd3b1	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1 [Source:ZFIN;Acc:ZDB-GENE-081105_30]	5.516117956	2.677749991	-0.946999041	1.89185381
ENSRGLG00000012886	-	-	16.73753084	14.12732858	-0.371711448	2.238958348
ENSRGLG00000004672	thsd1	thrombospondin, type 1, domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-100105_3]	4.330343253	2.015521765	-0.259781132	2.055525618
ENSRGLG00000008388	agtr2	angiotensin II receptor, type 2 [Source:ZFIN;Acc:ZDB-GENE-030306_36]	3.598308297	1.736192643	-2.21606775	-0.353466237
ENSRGLG00000016394	-	-	3.471120966	1.388750677	-2.420811878	-0.337956058
ENSRGLG00000019378	-	-	3.426024202	2.262081295	-1.822588647	-0.650138531
ENSRGLG00000007016	desmb	desmin b [Source:ZFIN;Acc:ZDB-GENE-061027_102]	4.774261151	-0.395171438	-5.438742669	-0.353461059
ENSRGLG00000003261	lam20b	family with sequence similarity 20, member Cb [Source:ZFIN;Acc:ZDB-GENE-050301_4]	3.890983663	2.310470967	-0.694529302	0.876467408
ENSRGLG00000010908	tmp2a	TMP metalloproteinase inhibitor 2a [Source:ZFIN;Acc:ZDB-GENE-030612_1]	4.32677345	2.310039707	-0.900331571	1.116886993
ENSRGLG00000006160	-	-	6.92092173	3.209560286	-2.629224745	1.08260784
ENSRGLG00000017372	-	-	4.530208193	-0.74743906	-3.086038634	2.23304163
ENSRGLG00000007399	dapk2b	death-associated protein kinase 2b [Source:ZFIN;Acc:ZDB-GENE-060810_178]	3.129862537	1.180639588	0.162017401	2.131782254
ENSRGLG00000017758	odc1	ornithine decarboxylase 1 [Source:ZFIN;Acc:ZDB-GENE-030816_1]	3.753984305	1.783351625	-0.514750792	1.456367035
ENSRGLG00000004727	gnomb	glycoprotein (transmembrane) nmb [Source:ZFIN;Acc:ZDB-GENE-060503_106]	5.631878893	2.323452267	-3.396583125	-0.087671422
ENSRGLG00000012269	-	-	5.162463141	1.125813891	-1.62334685	2.413786283
ENSRGLG00000009499	ngfa	nerve growth factor (beta polypeptide) [Source:ZFIN;Acc:ZDB-GENE-990415_176]	3.649486901	2.025131314	1.161737843	2.786577234
ENSRGLG00000000027	-	-	3.715128452	0.917084209	-1.208586193	1.589886572
ENSRGLG00000009533	lgnn	leucamin [Source:NCBI; gene:Acc:101163371]	4.701500574	0.253352104	-4.767591789	-0.31895838
ENSRGLG00000017972	-	-	5.546695694	2.640471351	-1.422733095	1.483916024
ENSRGLG00000001041	mf141	ring finger protein 141 [Source:NCBI; gene:Acc:101159666]	4.032127728	1.079010437	-1.026428818	1.92717304
ENSRGLG00000005588	tmem47	transmembrane protein 47 [Source:NCBI; gene:Acc:101155915]	15.98861533	12.6445706	-1.105694677	2.248817078
ENSRGLG00000013710	hpr2	natriuretic peptide receptor 2 [Source:ZFIN;Acc:ZDB-GENE-141030_2]	3.855096816	0.964374158	-1.662540483	1.228668204
ENSRGLG00000001264	slc4a2b	solute carrier family 4 (anion exchanger), member 2b [Source:ZFIN;Acc:ZDB-GENE-030429_14]	3.13295304	-0.407657213	-2.048820652	1.49227444

ENSORLG0000001909	irtv4	ets variant 4 [Source:ZFIN;Acc:ZDB-GENE-990415-71]	4.53679238	1.990208458	-1.277834432	1.269232633
ENSORLG0000002530	-	-	7.282110288	4.802364434	-0.648039335	1.832187942
ENSORLG0000002030	cthrca1a	collagen triple helix repeat containing 1 [Source:NCBI;gene:Acc:101160936]	5.183044226	2.767602375	-0.570097989	2.986024622
ENSORLG00000006049	sh3px2ab	SH3 and PX domains 2Ab [Source:ZFIN;Acc:ZDB-GENE-101220-1]	3.63993184	1.328598568	-0.879280468	1.432544978
ENSORLG00000006696	plekha7b	pleckstrin homology domain containing, family A member 7b [Source:ZFIN;Acc:ZDB-GENE-091014-2]	3.655723349	2.125395017	-0.587386249	2.118209904
ENSORLG00000009933	anp2	agnasec 2 [Source:ZFIN;Acc:ZDB-GENE-030131-1334]	4.781815136	0.5468970263	-3.745531486	0.491798302
ENSORLG0000002236	lec3b3b	C-type lectin domain family 3 member B [Source:NCBI;gene:Acc:101160080]	17.84364869	13.44385655	-2.835738516	1.564522066
ENSORLG00000004311	ERP27	endoplasmic reticulum protein 27 [Source:NCBI;gene:Acc:101158668]	3.904700268	2.611559877	-1.604139093	-0.310513498
ENSORLG00000009207	-	-	5.65946832	-10.0266341	-2.864081023	12.8200054
ENSORLG00000015142	-	-	4.4647668	1.50949223	-1.299820413	1.664488616
ENSORLG00000005072	-	-	3.41980736	-1.757807169	-1.057994738	4.111117445
ENSORLG00000010885	tmipa	thioredoxin interacting protein [Source:NCBI;gene:Acc:101174114]	4.330049872	1.480784111	-1.863976055	0.985774618
ENSORLG00000015176	ctsk	cathepsin K [Source:NCBI;gene:Acc:101164923]	5.598085148	2.738493818	-1.977327273	0.874909844
ENSORLG00000010119	-	-	4.395846905	2.901688642	-1.851951899	-0.357308331
ENSORLG00000006177	slc21l1-153b	ES1 protein homolog, mitochondrial-like [Source:NCBI;gene:Acc:101169045]	4.855059844	1.665542018	-0.2031683201	1.158319457
ENSORLG00000000346	-	-	3.336029156	0.736029496	-1.635828723	0.964655877
ENSORLG00000008930	ctnbp2nb	CTNBP2 N-terminal like 1 [Source:ZFIN;Acc:ZDB-GENE-040724-65]	4.099328101	0.35086238	-1.394874224	2.354077339
ENSORLG00000004307	-	-	5.853194415	1.002907168	-3.048037039	1.804734758
ENSORLG00000004707	alas2	5-aminolevulinic synthase, erythroid-specific, mitochondrial [Source:NCBI;gene:Acc:100049501]	6.295577672	0.671191826	-4.352806609	1.272064175
ENSORLG00000004279	rtfox2	RNA binding fox-1 homolog 2 [Source:ZFIN;Acc:ZDB-GENE-040276-2464]	5.536500002	2.506821541	-0.238100326	2.791969882
ENSORLG00000015302	sema4c	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4C [Source:ZFIN;Acc:ZDB-GENE-080303-16]	3.324405844	1.392599383	-2.208055317	-0.275763628
ENSORLG00000004188	lacc1	laccase (multicopper oxidoreductase) domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-081104-155]	4.629728977	1.640426123	-2.077525266	0.912034969
ENSORLG00000001598	-	-	3.788391009	0.789733778	-1.972060422	1.027081513
ENSORLG00000015518	zgc:162297	uncharacterized protein F13E9.13, mitochondrial [Source:NCBI;gene:Acc:101155838]	3.277528461	1.937208857	-0.516770564	0.824033868
ENSORLG00000000678	tnnt3a	troponin T, fast skeletal muscle isoforms [Source:NCBI;gene:Acc:101157127]	6.587475683	1.499037608	-6.11879836	-1.0298783
ENSORLG00000017721	esr2	estrogen receptor beta [Source:NCBI;gene:Acc:100049289]	3.249629361	0.887182671	-1.958066907	0.404865755
ENSORLG00000010760	-	-	5.49645753	-1.057892327	-3.857791551	2.697048771
ENSORLG00000017403	PRKD3	protein kinase D3 [Source:HGNC]	3.019424483	1.736352051	1.10445451	2.388016114
ENSORLG00000016487	nrf3-6	nuclear factor, interleukin 3 regulated, member 6 [Source:ZFIN;Acc:ZDB-GENE-040704-63]	4.270910029	0.955487261	-2.063766704	1.252140796
ENSORLG00000004570	cldn1	claudin-7 [Source:NCBI;gene:Acc:101156528]	4.549519858	-11.08616277	-1.663940765	13.97225287
ENSORLG00000000963	-	-	3.106316305	-0.379670561	-1.672933038	1.813648611
ENSORLG00000014038	rap1gap2a	RAP1 GTPase activating protein 2a [Source:ZFIN;Acc:ZDB-GENE-061013-179]	5.690471399	1.383167209	-1.71945209	2.58944848
ENSORLG00000015570	plcg2	phospholipase C, gamma 2 [Source:ZFIN;Acc:ZDB-GENE-030131-9523]	5.046474411	1.845473657	-2.037113667	1.164373075
ENSORLG00000008093	TIPP	tubulin polymerization promoting protein [Source:HGNC;Symbol:Acc:HGNC:24164]	5.183621658	2.003949204	-0.924110241	2.256046111
ENSORLG00000010460	dna2	DNA replication helicase/nuclease 2 [Source:ZFIN;Acc:ZDB-GENE-090313-71]	4.376331791	0.05102483	-1.828518395	2.497273555
ENSORLG00000000444	-	-	4.339281164	0.763721084	-1.003634409	2.572410957
ENSORLG00000016612	per2	period circadian clock 2 [Source:ZFIN;Acc:ZDB-GENE-011220-2]	5.313854703	2.487195932	-1.761191093	1.065950775
ENSORLG00000017252	sg5a	Sp5 transcription factor a [Source:ZFIN;Acc:ZDB-GENE-030430-2]	3.854622414	1.223630565	-0.623726426	2.007751114
ENSORLG00000018128	acsm4	aminocarbonylmucronate semialdehyde decarboxylase [Source:NCBI;gene:Acc:101167833]	3.483897382	-0.175893088	-2.521470127	1.138807562
ENSORLG00000005328	-	-	4.076466801	1.451352472	-0.92088892	1.704710328
ENSORLG00000017498	fam167b	family with sequence similarity 167, member B [Source:ZFIN;Acc:ZDB-GENE-131121-390]	5.98629336	0.48115029	-1.94544969	3.560177816
ENSORLG00000003039	lgalsla	lectin, galactoside-binding-like a [Source:ZFIN;Acc:ZDB-GENE-060616-24]	3.265092155	2.108715631	1.172851719	2.329715141
ENSORLG00000012839	-	-	3.843282112	1.399190329	-0.929638802	1.51493975
ENSORLG00000004738	-	-	6.929178457	4.027633263	-1.782529296	1.119484043
ENSORLG00000014423	MAP3K20 (l)	mitogen-activated protein kinase kinase kinase 20 [Source:HGNC;Symbol:Acc:HGNC:17397]	3.141210197	2.131800343	-1.637192755	-0.627297961
ENSORLG00000016496	ralgapan1	ral guanine nucleotide dissociation stimulator like 1 [Source:NCBI;gene:Acc:101173538]	3.894534186	2.324720839	-1.765266455	-0.204968328
ENSORLG00000007896	hoxc13a	homeobox C13 [Source:NCBI;gene:Acc:101172814]	4.959853286	-1.051186244	-3.418377007	2.592947329
ENSORLG00000015850	RAP2B (1 of m)	ras-related protein Rap-2b [Source:NCBI;gene:Acc:101168899]	4.489416932	1.837983755	0.324805266	2.972731155
ENSORLG00000014616	-	-	4.360138781	1.2159544	-1.873245201	1.27142199
ENSORLG00000012266	p51	elastin-1 [Source:NCBI;gene:Acc:101168586]	4.707790283	0.194624432	-3.452881586	1.050769847
ENSORLG00000015080	adcy9	adenylylate cyclase 9 [Source:ZFIN;Acc:ZDB-GENE-050208-456]	4.310015684	1.738868634	-2.013310152	0.558321218
ENSORLG00000010424	ADAMTSL4	ADAMTSL4 [Source:HGNC;Symbol:Acc:HGNC:19706]	4.009854285	2.28284395	-2.632537275	-0.895241821
ENSORLG00000015547	slc21l1-210c	uncharacterized LOC101156655 [Source:NCBI;gene:Acc:101156655]	3.454784658	0.333035528	-1.505278853	1.616955445
ENSORLG00000011420	flrt2a	flrtin 2a [Source:ZFIN;Acc:ZDB-GENE-020430-3]	4.018369917	1.627225072	0.473618607	2.865248538
ENSORLG00000002662	hlx1	ALX homeobox 1 [Source:ZFIN;Acc:ZDB-GENE-050419-191]	6.668032981	1.482827642	-1.191548238	3.994147461
ENSORLG00000010152	slc1key-40a16	-	5.872529451	1.721472199	-3.528729587	0.622811846
ENSORLG00000007513	pad2 (1 of m)	peptidyl arginine deiminase, type II [Source:ZFIN;Acc:ZDB-GENE-031116-67]	3.600621378	1.082378069	-0.087558438	2.431169965
ENSORLG00000006820	tapbp2	TAP binding protein (tapasin), tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-060503-136]	3.614620974	0.501784518	-1.09467227	2.018649344
ENSORLG00000016491	tcf21	transcription factor 21 [Source:NCBI;gene:Acc:101172550]	4.862042343	2.267957811	-2.504920216	0.089649352
ENSORLG00000017816	adam23a	ADAM metalloproteinase domain 23a [Source:ZFIN;Acc:ZDB-GENE-070810-2]	5.360861445	4.166487422	1.114544917	2.309408574
ENSORLG00000017867	klhl6	klch-like family member 6 [Source:ZFIN;Acc:ZDB-GENE-030616-325]	3.55525357	1.332428982	-1.15329744	1.070013114
ENSORLG00000000582	rtho	ras homolog family member H [Source:ZFIN;Acc:ZDB-GENE-080228-7]	16.26812344	13.18025262	-3.024894484	0.063534741
ENSORLG00000004009	ra	coagulation factor IIIa [Source:ZFIN;Acc:ZDB-GENE-071119-51]	5.737660864	3.257996155	0.225247945	2.705396291
ENSORLG000000009587	ovalb1 (1 of m)	ovalbumin beta [Source:NCBI;gene:Acc:105353532]	5.926888408	-0.566281851	-7.240173716	-0.746517906
ENSORLG000000003117	slc25a15a	solute carrier family 25 (mitochondrial carrier, carnitine transporter) member 15a [Source:ZFIN;Acc:ZDB-GENE-070112-1072]	4.15862002	0.232465212	-0.989709698	2.936928998
ENSORLG00000014284	slc21l1-125m	slc21l1-125m10.6 [Source:ZFIN;Acc:ZDB-GENE-120708-92]	4.111954558	1.965499092	0.587386643	2.734328839
ENSORLG00000015530	-	-	3.284623089	0.274466721	-0.692731993	2.317909192
ENSORLG00000011401	bhlhe41	Oryzias latipes basic helix-loop-helix family member e41 (bhlhe41), mRNA [Source:RefSeq; mRNA:Acc:NM_001104733]	3.073472956	1.141864928	-1.936357817	-0.004264842
ENSORLG00000012348	ogal	O-GlcNAcase like [Source:ZFIN;Acc:ZDB-GENE-110914-153]	3.278644908	-1.099024771	-3.455158196	0.922996118

ENSORLG00000015048	C2orf88	chromosome 2 open reading frame 88 [Source:HGNC Symbol;Acc:HGNC:28191]	3.535135819	0.854405847	-0.482384765	2.198830061
ENSORLG00000011088	cpwm1b	carboxypeptidase Y (M14 family), member 1b [Source:ZFIN;Acc:ZDB-GENE-141212-305]	4.271181926	2.202590541	-1.771672451	0.297403404
ENSORLG00000010688	rhoa	ras homolog family member U [Source:NCBI gene;Acc:101157689]	3.939584267	1.202396241	-0.256605178	2.481067755
ENSORLG00000003905	rip	radioactive intestinal peptide [Source:ZFIN;Acc:ZDB-GENE-080204-3]	16.35431947	13.33629176	-1.99874761	1.019747849
ENSORLG000000011149	pgam2	phosphoglycerate mutase 2 [Source:NCBI gene;Acc:101164987]	4.032974678	-1.063991598	-2.644438271	2.453014628
ENSORLG00000012439	cor9b	chemokine (C-C motif) receptor 9b [Source:ZFIN;Acc:ZDB-GENE-070301-3]	4.971399848	-0.121162999	-3.169039519	1.924009239
ENSORLG00000011223	-	-	3.989595976	1.218777397	0.184919786	2.935583245
ENSORLG00000005875	rap2b	RAP2B, member of RAS oncogene family [Source:NCBI gene;Acc:101171097]	3.145284078	0.398047487	-1.209149764	1.539571505
ENSORLG00000017559	-	-	4.182752238	1.812160501	-1.588771116	0.962300305
ENSORLG00000022372	rbp5	retinol-binding protein 1 [Source:NCBI gene;Acc:101173969]	4.043980608	2.725087297	-0.135419113	1.183959131
ENSORLG000000011403	si.ch211-283g	si.ch211-283g.1 [Source:ZFIN;Acc:ZDB-GENE-060531-57]	4.724113005	0.106155063	-1.888402664	2.730420286
ENSORLG000000016003	trmc2b	transmembrane and tetrapeptide repeat containing 2b [Source:ZFIN;Acc:ZDB-GENE-081031-100]	4.366698524	2.133443846	-1.311828083	0.921911304
ENSORLG00000007701	lam43a	family with sequence similarity 43, member A [Source:ZFIN;Acc:ZDB-GENE-030131-6098]	5.223660451	2.585321436	-0.973994235	1.664831089
ENSORLG000000013410	ca8	carbonic anhydrase VIII [Source:ZFIN;Acc:ZDB-GENE-050417-28]	4.219175593	2.805951068	0.5873468	2.00105587
ENSORLG000000011140	lftahb	lin bud initiation factor b [Source:ZFIN;Acc:ZDB-GENE-050417-423]	4.279080994	1.586945899	-2.399753636	0.292865488
ENSORLG00000014549	-	-	5.785538014	1.72045307	-3.050232135	1.515281424
ENSORLG000000014947	proxa1	prospero homeobox 1a [Source:ZFIN;Acc:ZDB-GENE-980526-397]	4.718422639	-0.182825307	-2.77442591	2.14288880
ENSORLG00000004632	smad5	smad family member 5 [Source:ZFIN;Acc:ZDB-GENE-031202-1]	3.438425812	0.049220448	-1.261002095	2.128689292
ENSORLG00000002207	SMAD3 (1 of 3)	SMAD family member 3 [Source:HGNC Symbol;Acc:HGNC:6769]	5.026545179	1.660669315	-0.455299120	2.911011173
ENSORLG000000016766	foxd2	Oryzias latipes forkhead box D1 (LOC100302451), mRNA [Source:RefSeq mRNA;Acc:NM_001163182]	6.479888816	1.162143847	-2.687519556	2.630710901
ENSORLG00000013204	sypl1	synaptophysin-like 1 [Source:ZFIN;Acc:ZDB-GENE-110420-2]	4.162301837	1.828402605	-0.60616575	1.72821796
ENSORLG00000009593	stil	stil-like [Source:ZFIN;Acc:ZDB-GENE-081222-1]	5.437087028	-0.63719021	-3.21717571	2.857713792
ENSORLG000000021288	RF00016	small nucleolar RNA SNORD14 [Source:NCBI gene;Acc:11946368]	4.228693812	2.903699853	0.139203192	1.464681741
ENSORLG000000016840	shb	Src homology 2 domain containing transforming protein D, h [Source:ZFIN;Acc:ZDB-GENE-030131-6059]	3.507153889	0.483387053	-3.208671168	-0.18441982
ENSORLG000000006251	papss2a	5'-phosphatase 5'-phosphosulfate synthase 2a [Source:ZFIN;Acc:ZDB-GENE-061110-85]	5.140574592	0.84977357	-2.011986519	2.279300165
ENSORLG000000013436	col10a1a	collagen, type X, alpha 1a [Source:ZFIN;Acc:ZDB-GENE-030131-8373]	8.251319674	3.937806087	-5.523429373	0.790570277
ENSORLG000000009008	srpx	sushi-repeat containing protein, X-linked [Source:ZFIN;Acc:ZDB-GENE-050327-43]	4.505766182	1.889307079	-2.189430471	0.42751395
ENSORLG000000015829	tnfrsf82b	tumor necrosis factor, alpha-induced protein 8-like 2b [Source:ZFIN;Acc:ZDB-GENE-040476-1359]	3.917098428	1.333753311	-2.011383465	0.572446434
ENSORLG000000014002	fam129ba	family with sequence similarity 129, member 8a [Source:ZFIN;Acc:ZDB-GENE-070112-1222]	3.435131797	1.145744326	-1.144526162	1.145346714
ENSORLG000000006848	-	-	5.38091732	1.721918328	-1.475902086	2.235802318
ENSORLG000000016809	lox2a	lyal oxidase-like 2a [Source:ZFIN;Acc:ZDB-GENE-07018-11]	4.374687433	2.516249822	-2.094504952	-0.23582413
ENSORLG000000001417	-	uncharacterized LOC101173999 [Source:NCBI gene;Acc:101173999]	6.406828857	1.541152052	-2.694076791	2.172084239
ENSORLG000000008863	GN2	G protein subunit gamma 2 [Source:NCBI gene;Acc:101157742]	4.310334323	2.232946204	-1.758883426	0.318989638
ENSORLG00000001089	inka1a	family with sequence similarity 212, member Aa [Source:ZFIN;Acc:ZDB-GENE-06012-186]	3.979052322	0.165002892	-1.621506596	2.19302767
ENSORLG000000007071	coro2a	coronin, actin binding protein, 2A [Source:ZFIN;Acc:ZDB-GENE-030131-2258]	3.741887206	1.788436049	-1.236629473	0.717306671
ENSORLG000000018019	tpm4b	tropomyosin alpha-4 chain [Source:NCBI gene;Acc:101167740]	4.672978049	2.42033338	-0.852006957	1.40112244
ENSORLG000000011062	gabrr2a	gamma-aminobutyric acid receptor subunit rho-2-like [Source:NCBI gene;Acc:101164606]	5.342871269	1.426624949	-0.465080365	3.165164983
ENSORLG00000001319	-	-	9.366266781	2.78172817	-4.317149118	2.26787163
ENSORLG00000017356	zgc:86896	zgc:86896 [Source:ZFIN;Acc:ZDB-GENE-040625-80]	4.484280539	-0.56356529	-3.11468693	1.934263781
ENSORLG000000012039	si.ch211-286b	si.ch211-286b.5 [Source:ZFIN;Acc:ZDB-GENE-121214-209]	3.443724586	0.819401159	-1.774669046	0.850139571
ENSORLG000000005073	-	-	4.164943795	2.725591839	-1.379538577	0.110298231
ENSORLG000000008122	trhb	thyroid hormone receptor beta [Source:NCBI gene;Acc:10089254]	3.527145056	1.330954616	-0.64338016	1.55295272
ENSORLG000000002243	IGFBP5 (1 of 3)	insulin like growth factor binding protein 5 [Source:HGNC Symbol;Acc:HGNC:5474]	5.912456109	2.468647129	-2.776980605	0.667318076
ENSORLG000000013995	zfpm1	zinc finger protein, FOS family member 1 [Source:ZFIN;Acc:ZDB-GENE-050419-238]	3.143551064	1.707995114	-1.107952965	0.328087904
ENSORLG00000017329	-	-	4.417170161	0.566194302	-2.495190757	1.356811846
ENSORLG000000009717	NKAIN4	sodium/potassium transporting ATPase interacting 4 [Source:HGNC Symbol;Acc:HGNC:16191]	3.628193229	1.97925106	0.281795513	1.931247793
ENSORLG00000002553	-	-	4.168717423	1.834878032	-0.296699366	2.037629477
ENSORLG000000003035	slit3	slit homolog 3 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-010306-4]	3.605266511	1.652977809	-2.26869169	-0.315919149
ENSORLG00000007905	gnt2	guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2 [Source:NCBI gene;Acc:101175500]	4.187512919	2.402464653	-0.860634249	0.924899131
ENSORLG000000010899	he1	-	4.1732171	1.933117102	-1.192148201	1.048431343
ENSORLG000000011513	-	-	3.909355271	1.46306674	-1.140936075	1.297418727
ENSORLG000000006388	-	-	3.829737987	1.447841988	-1.445533875	2.178618384
ENSORLG000000006937	HGNL2	fidestatin like 2 [Source:HGNC Symbol;Acc:HGNC:13287]	4.671267761	1.529833181	-1.29581885	1.846102314
ENSORLG00000011259	-	-	4.683073054	0.025954734	-1.701243916	2.956362011
ENSORLG000000008027	opn3	Oryzias latipes opsin 3 (opn3), mRNA [Source:RefSeq mRNA;Acc:NM_001305403]	4.764979146	1.495383346	-0.866651001	2.403727511
ENSORLG000000017126	lrp2a	LDL receptor related protein 2 [Source:NCBI gene;Acc:101157655]	3.600712741	2.341408303	-1.05083372	0.208955384
ENSORLG000000030467	-	-	3.9304468	0.28570895	-1.893010445	1.746120042
ENSORLG000000007942	how5a	homeobox protein Hox-C5a [Source:NCBI gene;Acc:101174425]	4.654316632	1.085206844	-2.982851166	0.586740533
ENSORLG000000001921	-	-	16.35706176	13.53107924	-3.783104659	-0.936664704
ENSORLG000000015114	-	upstream transcription factor 2, c-fos interacting [Source:NCBI gene;Acc:101157563]	3.498964743	1.56918218	0.055786507	1.985917974
ENSORLG00000016601	NFIX (1 of 3)	nuclear factor X [Source:HGNC Symbol;Acc:HGNC:29841]	3.034110215	0.77163588	-2.957987819	0.68502602
ENSORLG00000008780	-	-	3.00287353	0.423926224	0.281381013	2.860756728
ENSORLG000000005089	sb.zf81	sb.zf81 [Source:ZFIN;Acc:ZDB-GENE-030131-9939]	6.468245008	2.633858247	-2.93702322	0.897849593
ENSORLG000000010849	SyDE2	synapse defective rho G1 Fse homolog 2 [Source:HGNC Symbol;Acc:HGNC:29841]	3.100736339	1.851022251	-0.269715465	0.980483386
ENSORLG000000014820	trmc2a	transmembrane and tetrapeptide repeat containing 2a [Source:ZFIN;Acc:ZDB-GENE-041210-299]	4.653672733	1.715463311	-1.018768292	1.919928414
ENSORLG000000010504	qr85	G protein-coupled receptor 85 [Source:ZFIN;Acc:ZDB-GENE-000710-2]	3.268033763	1.069980928	-0.556372434	1.642166779
ENSORLG00000004209	lrga3b	integrin, alpha 3b [Source:ZFIN;Acc:ZDB-GENE-050411-55]	3.07246717	0.30235454	-1.61174513	1.15885274
ENSORLG000000009759	-	-	5.191602238	3.239079201	-0.511990815	1.441016931
ENSORLG000000005110	si.ch211-248a	si.ch211-248a1.4.8 [Source:ZFIN;Acc:ZDB-GENE-131126-33]	6.505734281	-1.139569607	-5.229975916	2.415822395

ENSORLG00000017782	lmp3	bone morphogenetic protein 3 [Source:ZFIN;Acc:ZDB-GENE-030131-7192]	3.089580896	1.884533243	-2.270578687	-1.065045061
ENSORLG00000017737	lpc-113531	lpc-113531 [Source:ZFIN;Acc:ZDB-GENE-050320-52]	3.825489067	2.067083597	-1.803375347	-0.04448507
ENSORLG00000016128	lptma	protein tyrosine phosphatase, receptor type, Na [Source:ZFIN;Acc:ZDB-GENE-030131-3511]	3.897617267	0.859071386	-1.99054886	1.048481498
ENSORLG00000015091	lpto2b	neopilin (NRP) and telokin (TL1)-like 2b [Source:ZFIN;Acc:ZDB-GENE-060503-638]	3.525863123	-1.178433242	-1.311631979	3.393144814
ENSORLG00000008253	-	integral membrane protein 2B [Source:NCBI;gene:Acc:101159208]	4.34866932	0.945932365	-0.43139416	2.972824325
ENSORLG00000013506	lrm35-28	tripeptide motif containing 35-28 [Source:ZFIN;Acc:ZDB-GENE-071004-19]	3.215178403	0.803973507	-1.164629304	1.24706043
ENSORLG00000007274	-	-	3.448862706	1.460899714	1.082045521	2.084028842
ENSORLG00000013893	-	-	3.23742671	1.011584831	-3.10889421	-0.892925604
ENSORLG00000000859	gla	galactosidase, alpha [Source:ZFIN;Acc:ZDB-GENE-041010-207]	6.184978566	2.537292726	-1.889050289	1.760120613
ENSORLG00000010035	lor1	sortilin-related receptor, (LDLR class) A repeats containing [Source:ZFIN;Acc:ZDB-GENE-050208-22]	3.850349011	0.474372133	-0.829668858	2.54679217
ENSORLG00000000044	lcor	ligand dependent nuclear receptor corepressor [Source:ZFIN;Acc:ZDB-GENE-061201-6]	4.706256972	1.634427619	-3.062813612	0.009500982
ENSORLG00000010563	neurod1	neuronal differentiation 1 [Source:ZFIN;Acc:ZDB-GENE-990415-172]	4.846487888	-0.982146533	-1.454662597	4.37444934
ENSORLG00000015279	nr4a1	nuclear receptor subfamily 4 group A member 1 [Source:NCBI;gene:Acc:101175402]	16.50913014	10.81534326	-1.063812998	4.630441331
ENSORLG00000001064	MMP23B	matrix metalloproteinase 23B [Source:HGNC;Symbol:Acc:HGNC:71711]	4.07650745	1.929700436	-2.21698184	-0.06969012
ENSORLG00000009016	WDFY4	WDFY family member 4 [Source:HGNC;Symbol:Acc:HGNC:29323]	3.370878576	2.449874331	0.618288523	1.539777324
ENSORLG00000000386	wdr45	WD repeat domain 45 [Source:NCBI;gene:Acc:101160923]	3.186911631	0.326805366	-1.197467961	1.663123304
ENSORLG00000004106	wlx4b	homeobox protein Dlx4b [Source:NCBI;gene:Acc:101157253]	6.56101539	0.487802331	-1.867183556	4.206513686
ENSORLG00000011451	aspdh	aspartate dehydrogenase domain containing [Source:NCBI;gene:Acc:101155692]	6.147647262	-10.78902821	-2.810723704	14.12646814
ENSORLG00000007831	-	-	4.363906154	2.370345568	-0.784264579	1.199781531
ENSORLG00000002829	-	-	5.074466803	3.098064128	-2.877011586	-0.900126193
ENSORLG00000009332	cdk17	cyclin-dependent kinase 17 [Source:ZFIN;Acc:ZDB-GENE-041210-15]	3.790375387	1.477358535	-0.10291719	2.305212097
ENSORLG00000016577	tspan35	tetraspanin-1 [Source:NCBI;gene:Acc:101164063]	16.51301477	14.68168973	-1.689923465	0.141868806
ENSORLG00000018018	lymb	lysine-protein kinase fyn [Source:NCBI;gene:Acc:101167011]	3.886988119	1.173821342	-1.420880593	1.292770749
ENSORLG00000004239	erfl1a	ERBB receptor feedback inhibitor 1a [Source:ZFIN;Acc:ZDB-GENE-030131-6256]	4.539676449	1.049441294	-1.150362447	2.34058213
ENSORLG00000006924	lrf1	lymphoid enhancer binding factor 1 [Source:NCBI;gene:Acc:101167344]	3.368269797	2.73401013	-1.62069018	-0.825336594
ENSORLG00000000417	-	-	4.115372164	1.980415595	0.711979957	2.847421041
ENSORLG00000001328	GLI2	GLI family zinc finger 2 [Source:HGNC;Symbol:Acc:HGNC:4318]	3.885008927	1.307922896	-1.761086304	0.816484796
ENSORLG00000011013	cdkn1d	cyclin-dependent kinase inhibitor 1D [Source:ZFIN;Acc:ZDB-GENE-110215-1]	4.454353512	1.438416957	-2.40097007	0.615484487
ENSORLG00000014059	slc1key-11018	slc1key-11018.5 [Source:ZFIN;Acc:ZDB-GENE-091204-110]	3.142778906	0.095800588	-2.904322396	0.15314154
ENSORLG00000016724	CYT11	cytochrome like 1 [Source:HGNC;Symbol:Acc:HGNC:24433]	4.494853114	2.736907537	-2.315784192	-0.557353708
ENSORLG00000006116	-	-	3.203471015	0.239563177	-1.997201917	0.967196569
ENSORLG00000010381	arid3a	arrestin domain containing 3a [Source:ZFIN;Acc:ZDB-GENE-030131-2913]	3.031404481	0.667870604	-1.053765497	1.310253436
ENSORLG000000005170	adamts16	ADAM metalloproteinase with thrombospondin type 1 motif 16 [Source:ZFIN;Acc:ZDB-GENE-130530-760]	4.093660174	0.77166235	-0.73518961	2.587291597
ENSORLG00000016607	gpr182	G protein-coupled receptor 182 [Source:ZFIN;Acc:ZDB-GENE-030131-2281]	4.001093415	0.582986678	-4.129129214	-0.710539184
ENSORLG00000011437	palm1b	paralemmin 1b [Source:ZFIN;Acc:ZDB-GENE-040426-1147]	3.692382653	1.539104898	-0.689029382	1.464732834
ENSORLG00000003577	-	-	3.518497147	2.627812059	-3.221567067	-2.332396092
ENSORLG00000007597	hoxa13b	homeobox protein Hox-A13b [Source:NCBI;gene:Acc:101158301]	3.248963728	-0.009230817	-3.419839615	-0.163195958
ENSORLG00000000830	prodhb	proline dehydrogenase (oxidase) 1b [Source:ZFIN;Acc:ZDB-GENE-101116-1]	5.986990298	1.873682933	-2.434917568	1.678867828
ENSORLG00000007524	sh3c2	SH3 domain and tetratricopeptide repeats 2 [Source:ZFIN;Acc:ZDB-GENE-061104-347]	3.554517673	1.973960176	-0.461557863	1.119485803
ENSORLG00000000502	angpt7	angiotensin-like 7 [Source:ZFIN;Acc:ZDB-GENE-041010-175]	3.864282154	0.006547595	-1.255722833	2.602475363
ENSORLG00000005884	-	-	4.880611915	2.412227635	-2.334355062	0.134514187
ENSORLG00000013932	slc6a4a	solute carrier family 6 (neurotransmitter transporter), member 4a [Source:ZFIN;Acc:ZDB-GENE-060314-1]	6.26110213	2.667396477	-1.54419831	2.049990592
ENSORLG00000016819	errg2	Oryzias latipes estrogen-related receptor gamma type 2 (errg2), mRNA [Source:RefSeq; mRNA:Acc:NM_001630921]	4.21523115	0.835459377	-3.447870319	-0.067613644
ENSORLG00000014173	sema3ga	sema domain, immunoglobulin domain (Ig), short basic domain, secreted (semaphorin) 3ga [Source:ZFIN;Acc:ZDB-GENE-050513-3]	7.422530852	4.317806364	-1.265918506	1.839272953
ENSORLG00000012878	igfbp1a	insulin-like growth factor binding protein 1a [Source:ZFIN;Acc:ZDB-GENE-021231-11]	3.577059663	1.379049464	-2.760675216	-0.562379602
ENSORLG00000004717	nrx1a	neuroligin 1a [Source:ZFIN;Acc:ZDB-GENE-030519-2]	3.788519723	1.814491539	-2.237968506	-0.26345134
ENSORLG00000009648	PLCB4	phospholipase C beta 4 [Source:HGNC;Symbol:Acc:HGNC:9059]	3.713236316	0.912255556	-1.249854282	1.551612307
ENSORLG00000009950	usp12b	ubiquitin specific peptidase 12b [Source:ZFIN;Acc:ZDB-GENE-100209-4]	3.69089955	2.19118712	-0.737916604	0.762281359
ENSORLG00000011632	map4k2	mitogen-activated protein kinase kinase kinase 2 [Source:ZFIN;Acc:ZDB-GENE-030816-163]	3.193496145	1.191884091	0.851394383	2.853491219
ENSORLG00000012050	slc1a1	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1 [Source:ZFIN;Acc:ZDB-GENE-040718-414]	5.12811671	0.521278599	-3.155361974	1.451959586
ENSORLG00000018045	sggp1	sphingosine-1-phosphate phosphatase 1 [Source:NCBI;gene:Acc:101173595]	3.922684421	1.309350175	-1.404895338	1.208923488
ENSORLG00000014982	tlrb1	tlrb1-like 1 [Source:ZFIN;Acc:ZDB-GENE-070705-2]	4.727392383	1.627296919	-2.07362982	1.026950861
ENSORLG00000010043	tebp1	AT binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-030131-2390]	3.274901691	2.221856237	-1.683842674	-0.630312434
ENSORLG00000009111	TGFbeta3 (1 of m	transforming growth factor beta 3 [Source:HGNC;Symbol:Acc:HGNC:11768]	7.842295889	2.147548821	-2.44967092	3.245570971
ENSORLG00000002708	yap1	Yes-associated protein 1 [Source:ZFIN;Acc:ZDB-GENE-030131-9710]	4.545378991	1.42683095	-1.173991885	1.945141138
ENSORLG00000006715	scap1	ARF-GAP with coiled-coil, ankyrin repeat and PH domains 1 [Source:ZFIN;Acc:ZDB-GENE-070112-1242]	4.227540843	1.809140017	-1.580127477	0.838758771
ENSORLG00000011984	trmem267	transmembrane protein 267 [Source:NCBI;gene:Acc:101188970]	3.066815753	0.907364269	0.100334172	2.260270923
ENSORLG00000005747	pa2a	growth arrest-specific 2a [Source:ZFIN;Acc:ZDB-GENE-091013-1]	3.019984021	1.202236153	-1.277705476	0.540526896
ENSORLG00000013803	-	-	3.37170180	0.682861557	-0.289920789	2.845572532
ENSORLG00000012936	STMN2	stathmin 2 [Source:NCBI;gene:Acc:101167833]	3.681053466	-1.749241123	-1.458607769	3.97417162
ENSORLG00000011963	-	-	3.950703277	1.032068973	-0.749918063	2.169201221
ENSORLG00000013231	pa345ba	growth arrest and DNA damage inducible beta [Source:NCBI;gene:Acc:101165223]	6.290887289	2.254651089	-1.922800702	2.113921147
ENSORLG00000009061	batf	basic leucine zipper ATF-like transcription factor [Source:NCBI;gene:Acc:101168259]	4.098489244	-0.299593968	-4.899677028	-0.501107495
ENSORLG00000005094	nk42b	MK4/myocardin-like 2b [Source:ZFIN;Acc:ZDB-GENE-030619-16]	5.337820122	2.986360799	-1.478266431	1.261677367
ENSORLG00000014427	-	-	6.008456555	3.16957661	-1.490405921	1.34895362
ENSORLG00000013732	-	-	4.688784687	1.203737583	-2.581421729	0.904109866

	ENSORLG00000017443	pyva	peptide YYa [Source:ZFIN;Acc:ZDB-GENE-980526-71]	16.45547444	12.62655777	-1.356472102	2.472911241
	ENSORLG00000012150	si.ch211-9419	mvoan ID [Source:HGNC;Symbol:Acc:HGNC:7598]	3.02899265	0.606936041	-1.114492392	1.308015024
	ENSORLG00000001481	ker18	keratin, type I cytoskeletal 18 [Source:NCBI;gene:Acc:101168952]	4.850501755	2.510799378	-0.2163917	2.123795665
	ENSORLG00000004100	-	-	4.267511435	3.133652771	-0.940321954	0.194020073
	ENSORLG00000006846	si.dkey-33c9.6	si.dkey-33c9.6 [Source:ZFIN;Acc:ZDB-GENE-130530-592]	5.507517836	2.869592796	-2.782979603	-0.144571185
	ENSORLG00000002432	myl23	myosin, light polypeptide 3, skeletal muscle [Source:ZFIN;Acc:ZDB-GENE-000372-6]	5.402077038	-1.397813519	-5.748199985	1.052216425
	ENSORLG00000006389	mvo10	mvoan X [Source:ZFIN;Acc:ZDB-GENE-070912-277]	3.342240994	0.236802091	-1.789325323	1.316597834
	ENSORLG00000003417	-	-	4.136938909	2.20093607	-1.237152514	0.699334968
	ENSORLG000000015524	arhgap25	Rho GTPase activating protein 25 [Source:ZFIN;Acc:ZDB-GENE-080526-210]	4.429672168	1.684297379	-2.776718286	-0.030857105
	ENSORLG00000006372	-	-	4.084726365	0.550045476	-1.76836013	1.768805524
	ENSORLG00000004723	tyrp1b	5,6-dihydroxyindole-2-carboxylic acid oxidase-like [Source:NCBI;gene:Acc:101161292]	5.682312292	1.124736006	-2.771299632	1.786761218
	ENSORLG000000015054	slc7a10a	solute carrier family 7 (neutral amino acid transporter light chain, asc system), member 10a [Source:ZFIN;Acc:ZDB-GENE-080116-11]	3.930482435	0.665494019	-2.117011291	1.148462
	ENSORLG000000012362	-	-	5.94225255	0.550525372	-2.953010565	2.439147578
	ENSORLG00000007559	-	-	4.195968884	1.443437716	-0.97667789	1.776338213
	ENSORLG000000010896	caonb2a	calcium channel, voltage-dependent, beta 2a [Source:ZFIN;Acc:ZDB-GENE-080808-7]	3.614404716	1.662282348	-0.247394	1.705213725
	ENSORLG000000010223	cp11b	carotene palmitoyltransferase 1B (muscle) [Source:ZFIN;Acc:ZDB-GENE-041010-8]	8.134984929	3.439354748	-3.733687758	0.962367438
	ENSORLG00000017706	-	-	16.19307637	9.747504889	-16.19307117	-9.747521673
	ENSORLG000000014672	srbf2	steroid regulatory element binding transcription factor 2 [Source:ZFIN;Acc:ZDB-GENE-070410-8]	3.508790389	0.550616747	-1.574471197	1.384187606
	ENSORLG000000006825	smad6b	SMAD family member 6b [Source:ZFIN;Acc:ZDB-GENE-050419-196]	4.582125765	0.932913066	-1.443453948	2.206243705
	ENSORLG000000008238	gamt	guanineacetate N-methyltransferase [Source:NCBI;gene:Acc:101166292]	5.694387284	0.990345661	-3.674361432	1.030165187
	ENSORLG000000016055	ADORA1	adenosine A1 receptor [Source:HGNC;Symbol:Acc:HGNC:287]	4.526309257	1.971708423	-1.32940924	1.225680185
	ENSORLG000000011360	lmo7a	LIM domain 7a [Source:ZFIN;Acc:ZDB-GENE-030219-solute carrier family 29 (equilibrative nucleoside transporter), member 1a [Source:ZFIN;Acc:ZDB-GENE-050913-138]	4.508328551	-0.152425367	-1.757553705	2.901885312
	ENSORLG00000004888	slc29a1a	solute carrier family 29 (equilibrative nucleoside transporter), member 1a [Source:ZFIN;Acc:ZDB-GENE-050913-138]	3.851521645	1.148285172	-0.80667459	1.897046842
	ENSORLG000000013509	-	-	3.613571996	0.813002705	-0.355706688	2.445347781
	ENSORLG000000013721	mao	monoamine oxidase [Source:ZFIN;Acc:ZDB-GENE-040328-3]	3.523591949	2.312388013	-2.325250064	-1.113561146
	ENSORLG000000006273	ppp5f5b	inositol polyphosphate-5-phosphatase 5b [Source:ZFIN;Acc:ZDB-GENE-081104-46]	3.906322843	1.706251757	-0.576903727	1.623651739
	ENSORLG000000003376	znc110333	Znfx110333 [Source:ZFIN;Acc:ZDB-GENE-050417-331]	17.20671029	11.27188317	-2.74501251	3.18079392
	ENSORLG000000012903	znc110332	zinc finger protein 3, tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-081031-95]	3.152661302	1.442479875	-1.02113898	0.689527697
	ENSORLG000000017224	sg12l1	Oryzias latipes interferon alpha-inducible protein 27, mitochondrial-like (sg12l1), mRNA [Source:RefSeq; mRNA:Acc:NM_001278818]	3.181570772	2.041828131	0.681981242	1.822208441
	ENSORLG000000016264	slc34a2b	sodium-dependent phosphate transport protein 2B [Source:NCBI;gene:Acc:10117337]	5.602935427	0.719351834	-2.602973957	2.281095277
	ENSORLG000000007059	dao2	D-amino-acid oxidase, tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-040476-2634]	5.497121089	0.916152201	-1.589242416	2.99221147
	ENSORLG000000017976	se	serpin family B member 1 [Source:NCBI;gene:Acc:101165527]	3.313086715	1.512812813	-1.22753483	0.573223673
	ENSORLG00000002603	ker222	keratin 222 [Source:ZFIN;Acc:ZDB-GENE-070912-343]	15.81300458	12.45453578	-2.205634672	1.153320138
	ENSORLG000000005407	KLF3	Kruppel like factor 3 [Source:HGNC;Symbol:Acc:HGNC:16516]	3.052009181	0.142563229	-1.822400555	1.087530273
	ENSORLG000000005296	angptl4	angiopoietin-like 4 [Source:ZFIN;Acc:ZDB-GENE-041111-222]	5.003270384	2.275079891	-1.449896036	1.278780226
	ENSORLG000000016187	HHI	human histone H [Source:HGNC;Symbol:Acc:HGNC:1141]	5.250547025	-0.180140799	-3.038677422	2.392495264
	ENSORLG000000004013	twsg1a	twisted gastrulation BMP signaling modulator 1 [Source:NCBI;gene:Acc:101172607]	3.881589304	2.165381876	-1.097988229	0.618704117
	ENSORLG000000013847	knq2a	inward rectifier potassium channel 2 [Source:NCBI;gene:Acc:101173391]	3.621356149	1.558335581	-1.609555495	0.453948066
	ENSORLG000000008140	nenf	neurexin neurotrophic factor [Source:NCBI;gene:Acc:101158154]	4.774939673	2.686210852	0.23904024	2.328253414
	ENSORLG000000010888	h2ahy2	H2A histone family, member Y2 [Source:ZFIN;Acc:ZDB-GENE-050913-114]	3.701083622	0.56816011	-0.361204323	2.772203964
	ENSORLG000000008263	anr1b	anion channel 1B [Source:ZFIN;Acc:ZDB-GENE-070912-2]	3.084533589	2.20302041	-2.246388999	-0.35433072
	ENSORLG000000006421	-	-	5.038384624	-0.674263864	-4.580333358	1.3283015
	ENSORLG000000017246	-	-	7.605588836	1.790998806	-6.529461192	-0.714386673
	ENSORLG000000004646	rimk1a	ribosomal modification protein rimk-like family member A [Source:ZFIN;Acc:ZDB-GENE-040912-29]	4.283700816	1.790173797	-0.603951318	1.890060848
	ENSORLG000000013012	ph2	PHD finger protein 2 [Source:ZFIN;Acc:ZDB-GENE-050302-10]	3.628216111	0.887086623	-0.662611808	2.079048215
	ENSORLG000000010337	skv1b1	skp1-keto reductase family 1, member B1 (aldose reductase) [Source:ZFIN;Acc:ZDB-GENE-040625-7]	5.114969334	0.167743529	-2.37907411	2.568636412
	ENSORLG000000010577	spag9a	sperm associated antigen 9a [Source:ZFIN;Acc:ZDB-GENE-070820-7]	4.908692437	2.155229412	-0.72962196	2.024322173
	ENSORLG000000017480	-	-	6.054135127	4.322833359	-2.493885633	-0.762098982
	ENSORLG000000005833	-	-	4.24956813	2.457526183	-0.248871351	1.543654733
	ENSORLG000000000268	-	-	3.627490471	1.034728241	0.288222354	2.881469456
	ENSORLG000000014809	-	-	3.885279994	0.32942374	-1.129650404	2.426641294
	ENSORLG000000005880	wnt2ba	wingless-type MMTV integration site family, member 2Ba [Source:ZFIN;Acc:ZDB-GENE-030717-2]	6.623956743	2.65449191	-2.023238707	1.946709897
	ENSORLG000000006089	-	-	5.2361888	2.141735029	-1.51071275	1.563867427
	ENSORLG000000012231	-	-	3.543541877	1.16574021	-0.587333164	1.799544460
	ENSORLG000000004915	ctf4a	CTD74 molecule [Source:NCBI;gene:Acc:101158776]	5.231951564	2.57876626	-2.533766462	0.098964661
	ENSORLG000000014109	abca1a	ATP-binding cassette, sub-family A (ABC1), member 1A [Source:ZFIN;Acc:ZDB-GENE-031006-12]	3.415317728	1.454090485	-0.421204107	1.540517628
	ENSORLG000000002227	smad6a	SMAD family member 6a [Source:ZFIN;Acc:ZDB-GENE-011015-1]	4.699180449	0.765481779	-1.619605712	2.314578273
	ENSORLG000000005581	-	-	5.641137516	1.270842636	-1.812115136	2.556664833
	ENSORLG000000007617	hwa10b	homeobox protein Hox-A11b [Source:NCBI;gene:Acc:101158794]	3.744986933	0.735500592	-2.27324389	0.736726449
	ENSORLG000000002005	NRP1 (1 of 3)	neuropilin 1 [Source:HGNC;Symbol:Acc:HGNC:8004]	3.89614831	1.544897309	-1.994615897	-0.149413864
	ENSORLG000000008341	cdc4b	phosphodiesterase 4C, cAMP-specific b [Source:ZFIN;Acc:ZDB-GENE-030131-4075]	3.394468826	0.843943396	-1.066175095	1.484833009
	ENSORLG000000017462	zak	sterile alpha motif and leucine zipper containing kinase AZK [Source:ZFIN;Acc:ZDB-GENE-070912-386]	4.922693995	2.218853031	-0.575081004	2.129246057
	ENSORLG000000010047	-	-	4.55216777	2.595311892	-1.339690788	0.620432872
	ENSORLG000000002943	cltn11b	claudin 11b [Source:ZFIN;Acc:ZDB-GENE-010328-13]	18.28213443	0	-4.557981041	13.72464494
	ENSORLG000000003829	ptger4b	prostaglandin E receptor 4 (subtype EP4) b [Source:ZFIN;Acc:ZDB-GENE-060531-102]	4.96939269	0.902533535	-3.449056394	0.618287389
	ENSORLG000000010012	PRDX6	peroxiredoxin 6 [Source:HGNC;Symbol:Acc:HGNC:10012]	4.577111041	0.347253733	-2.45972322	1.77061878
	ENSORLG000000008569	proxa	protein X, vitamin K-dependent plasma glycoprotein a [Source:ZFIN;Acc:ZDB-GENE-061013-403]	3.873659007	1.707228581	0.199696889	2.366612413
	ENSORLG000000017475	snai2	snail family transcriptional repressor 2 [Source:NCBI;gene:Acc:101173257]	3.783857967	1.442333815	-1.648379507	0.693628938
	ENSORLG000000016383	-	-	5.585278806	3.424164647	-1.481773971	0.680108118
	ENSORLG000000016417	-	-	3.807748821	2.541156127	-0.346864952	1.6073883123
	ENSORLG000000006367	aldoa	fructose-bisphosphate aldolase A [Source:NCBI;gene:Acc:10049249]	3.92921249	1.121857103	-0.722496085	2.08534436

ENSORLG00000014384	iqsec2b	IQ motif and Sec7 domain 2b [Source:ZFIN;Acc:ZDB-GENE-081105-73]	4.799091026	2.170266976	-0.544278399	2.085030313
ENSORLG00000016536	-	-	5.328912183	2.682673419	-2.668914864	-0.024140956
ENSORLG00000006759	-	-	5.178147663	2.472157643	-1.53473967	1.171699781
ENSORLG00000008769	sic5a2	solute carrier family 5 (sodium/glucose cotransporter), member 2 [Source:ZFIN;Acc:ZDB-GENE-040426-2498]	6.037200971	1.129266941	-4.38390455	0.52448558
ENSORLG00000008332	frp2	secreted frizzled-related protein 2 [Source:ZFIN;Acc:ZDB-GENE-061013-293]	5.316925473	0.867469437	-1.567923456	2.882027203
ENSORLG00000012630	-	-	3.700961246	0.822585797	-1.613069054	1.265726346
ENSORLG00000011596	si.ch211-15b1	si.ch211-15b10.6 [Source:ZFIN;Acc:ZDB-GENE-160728-113]	4.397113825	2.507416281	-0.665860106	1.224322578
ENSORLG00000012064	adm2a	adrenomedullin 2a [Source:ZFIN;Acc:ZDB-GENE-041210-100]	4.787241713	0.478456522	-2.392009142	1.917261005
ENSORLG00000012990	lam98b	family with sequence similarity 98, member B [Source:ZFIN;Acc:ZDB-GENE-061201-63]	3.186615274	0.489956112	-1.032007342	1.6651373
ENSORLG00000005003	-	-	4.576795554	1.123360333	-1.674677277	1.779248559
ENSORLG00000013198	-	-	3.482207158	1.917921352	-0.152563659	1.717335077
ENSORLG00000017322	trmem30aa	transmembrane protein 30Aa [Source:ZFIN;Acc:ZDB-GENE-040704-26]	3.425052407	1.410658572	-0.402376474	1.612502329
ENSORLG00000016859	thbs1	Oryzias latipes thrombospondin 1 (thbs1), mRNA [Source:RefSeq; mRNA; Acc:NM_001163128]	3.817910056	1.830718937	-2.128031333	-0.140354723
ENSORLG00000016427	ph2	punctophilin 2 [Source:ZFIN;Acc:ZDB-GENE-030131-9848]	7.687678169	2.611984413	-2.669024331	2.406838314
ENSORLG00000007377	smad1	SMAD family member 1 [Source:ZFIN;Acc:ZDB-GENE-991119-8]	3.45163959	1.657903894	0.367910473	2.162130653
ENSORLG00000008649	ggt1b	gamma-glutamyltransferase 1b [Source:ZFIN;Acc:ZDB-GENE-110408-13]	4.234109248	-3.042080343	-3.56581957	3.710855364
ENSORLG00000003556	c3h4	profh 3-hydroxylase family member 4 (non-enzymatic) [Source:ZFIN;Acc:ZDB-GENE-030131-1599]	3.297250063	2.018019712	0.72060133	2.00031647
ENSORLG00000000788	HPGD	15-hydroxyprostaglandin dehydrogenase (NAD+)	4.896197432	1.473062255	-1.603152264	1.823467592
ENSORLG00000005397	anapc2b	anapc2b [Source:NCBI; gene; Acc:101154790]	5.365893889	2.973205133	-2.871211048	1.389063393
ENSORLG00000008911	-	-	6.719603869	2.872463394	-2.811461392	1.065472208
ENSORLG00000003354	NRCAM (1 of	neuronal cell adhesion molecule [Source:HGNC Symbol; Acc:HGNC:7944]	3.986307765	2.245339717	0.523379442	2.264832766
ENSORLG00000013880	alkal2a	ALK and LTK ligand 2a [Source:ZFIN;Acc:ZDB-GENE-100922-116]	15.6354608	12.83678612	-0.807980003	1.991162527
ENSORLG00000014792	fbx2	F-box 2 [Source:HGNC Symbol; Acc:HGNC:111971]	4.784190135	1.508958893	-2.22991285	1.062785125
ENSORLG00000018533	scs2	schistosin [Source:ZFIN;Acc:ZDB-GENE-110411-139]	4.819715961	2.907182015	-1.665897656	0.247133556
ENSORLG00000008715	sox1b	suppressor of cytokine signaling 1 [Source:NCBI; gene; Acc:101165453]	4.462041274	1.119814454	-2.264672762	1.078039073
ENSORLG00000010712	DDA1	dimethylarginine dimethylaminohydrolase 1 [Source:NCBI; gene; Acc:101157285]	4.624960097	1.79702084	-0.961539839	1.866885738
ENSORLG00000015318	lum	lumican [Source:ZFIN;Acc:ZDB-GENE-141625-24]	6.278180277	2.831896433	-2.104388678	1.292376888
ENSORLG00000016925	PKFB2	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2 [Source:HGNC Symbol; Acc:HGNC:8873]	3.656596777	0.671474566	-0.724049525	2.26298948
ENSORLG00000016484	tyr4	EYA transcriptional coactivator and phosphatase 4 [Source:ZFIN;Acc:ZDB-GENE-050327-83]	4.291274365	0.940991111	-1.621888609	0.731880166
ENSORLG00000011281	fat2	FAT atypical cadherin 2 [Source:ZFIN;Acc:ZDB-GENE-111031-11]	4.299062629	0.968102046	-1.304509748	2.026937386
ENSORLG00000007877	snx10c	sorting nexin 10 [Source:NCBI; gene; Acc:101158699]	4.700509215	2.023085117	-1.835471086	0.842435258
ENSORLG00000010570	si.ch73-62121	si.ch73-62121.1 [Source:ZFIN;Acc:ZDB-GENE-120215-179]	4.00024254	2.037758056	0.891220494	2.854189622
ENSORLG00000005340	ddc	Oryzias latipes dopa decarboxylase (ddc), mRNA [Source:RefSeq; mRNA; Acc:NM_001160445]	5.779664513	-0.15490273	-4.23066359	1.696986321
ENSORLG00000001827	ocs49	protoporphyrin oxidase subunit 49 [Source:ZFIN;Acc:ZDB-GENE-060927-11]	4.627432368	0.418120989	-2.344653303	1.86514347
ENSORLG00000011507	inpp5f1	inositol polyphosphatase-5-phosphatase 1 [Source:ZFIN;Acc:ZDB-GENE-051127-29]	3.145767404	1.226596	0.964381234	2.884037391
ENSORLG00000015075	-	-	5.378476441	1.742411169	-0.786253828	2.80846662
ENSORLG00000010457	lmo1a	leukemia inhibitory factor 1 [Source:NCBI; gene; Acc:101161630]	4.527131232	1.775085488	-2.86140302	-0.108873007
ENSORLG00000012924	sh3dgr	SH3 domain-binding glutamic acid-rich-like protein [Source:NCBI; gene; Acc:101175670]	3.240630776	2.079633371	-0.208382201	0.953101383
ENSORLG00000005230	gb	Hemoglobin subunit beta [Source:NCBI; gene; Acc:101158593]	9.901583752	0.038179361	-23.29657044	-13.43317725
ENSORLG00000006046	HGFAC	HGF activator [Source:HGNC Symbol; Acc:HGNC:4894]	5.029161546	1.754829518	-1.13890701	2.141124381
ENSORLG00000002540	toil	toil-like receptor 7 [Source:NCBI; gene; Acc:101162959]	3.296446396	1.429185735	-0.507423574	1.360320956
ENSORLG00000007219	EPH3B	EPH receptor B3 [Source:HGNC Symbol; Acc:HGNC:3394]	4.226826807	2.860424153	-1.39418376	1.89418376
ENSORLG0000001090	wab70b	switching B cell complex subunit SWAP70B [Source:ZFIN;Acc:ZDB-GENE-030131-3987]	4.341836844	1.940980432	-1.102328416	1.299012312
ENSORLG00000015535	-	-	4.191133451	2.264158691	-0.54465782	1.381993757
ENSORLG00000022119	-	-	3.967193749	1.721353777	-0.938976888	1.309348683
ENSORLG00000017799	-	-	4.226826807	2.860424153	-1.39418376	1.89418376
ENSORLG00000013941	-	-	3.071791759	1.60290228	-1.38989743	0.079413123
ENSORLG0000001090	wab70b	switching B cell complex subunit SWAP70B [Source:ZFIN;Acc:ZDB-GENE-030131-3987]	4.341836844	1.940980432	-1.102328416	1.299012312
ENSORLG00000015535	-	-	4.191133451	2.264158691	-0.54465782	1.381993757
ENSORLG00000022119	-	-	3.967193749	1.721353777	-0.938976888	1.309348683
ENSORLG00000017799	-	-	4.226826807	2.860424153	-1.39418376	1.89418376
ENSORLG00000013941	-	-	3.071791759	1.60290228	-1.38989743	0.079413123
ENSORLG00000016388	hdac7b	histone deacetylase 7b [Source:ZFIN;Acc:ZDB-GENE-131127-113]	3.997312883	1.512474321	-0.97197218	1.51352032
ENSORLG00000000382	-	-	3.678927428	0.985573988	-0.512709143	2.178129476
ENSORLG00000000409	exoc3l2a	exocyst complex component 3-like 2a [Source:ZFIN;Acc:ZDB-GENE-060526-343]	5.860316665	2.992441448	-2.212261576	0.656098712
ENSORLG00000014917	si.ch211-107n	si.ch211-107n13.1 [Source:ZFIN;Acc:ZDB-GENE-060503-190]	3.771762373	1.384581549	-3.018303804	-0.630638367
ENSORLG00000002086	-	-	4.844261226	1.240480329	-3.318996017	0.285280997
ENSORLG00000009169	-	-	3.386693152	2.358538201	1.725628876	2.754266913
ENSORLG00000015752	cnzd2a	G1/S-specific cyclin-D2 [Source:NCBI; gene; Acc:10114910]	3.803272388	2.179861099	-0.886902082	0.736993695
ENSORLG00000011743	em3	echinoderm microtubule associated protein like 3 [Source:ZFIN;Acc:ZDB-GENE-110304-3]	3.141636564	1.105611721	-2.116288706	-0.097791743
ENSORLG00000013964	-	-	4.742152368	1.553118502	-2.251962618	0.873555878
ENSORLG00000002584	unm_sar80b	un-named sar80b [Source:ZFIN;Acc:ZDB-GENE-120727-211]	3.430973437	1.468511922	-0.375420629	1.587525372
ENSORLG00000008800	chrna2b	cholinergic receptor, nicotinic, alpha 2b (neuronal) [Source:ZFIN;Acc:ZDB-GENE-041001-99]	3.077194133	-0.038635355	-3.404194272	-0.287879804
ENSORLG00000012186	-	-	3.375786221	2.791922346	-0.878067074	-0.293718205
ENSORLG00000014541	KUN	uncharacterized LOC101163284 [Source:NCBI; gene; Acc:101163284]	3.238377869	0.598304101	-0.881194401	1.759364176
ENSORLG00000014027	pcd1	transcription factor AP-1 [Source:NCBI; gene; Acc:101174822]	3.002144795	0.646526889	-1.306057039	1.05001014
ENSORLG00000015413	pcf1b	pterin-4 alpha-carbinolamine dehydratase/dimenzation cofactor of hepatocyte nuclear factor 1 alpha [Source:ZFIN;Acc:ZDB-GENE-040426-1787]	3.276899153	0.027277187	-2.220848439	1.02925823
ENSORLG00000000363	gpr171	G protein-coupled receptor 171 [Source:ZFIN;Acc:ZDB-GENE-131121-339]	3.708529093	0.419028871	-4.295796666	-1.005812615
ENSORLG00000018199	ahr1b (1 of m	aryl hydrocarbon receptor 1b [Source:ZFIN;Acc:ZDB-GENE-050922-1]	4.967843459	4.543750077	-0.800578027	-0.376001689
ENSORLG00000016107	-	-	6.457113982	3.427458818	-3.023328756	0.006813743
ENSORLG00000000900	camk2b2	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta 2 [Source:ZFIN;Acc:ZDB-GENE-080312-34]	3.80777858	0.79833557	-1.102412794	1.907537763
ENSORLG00000005279	trio6	rho guanine nucleotide exchange factor b [Source:ZFIN;Acc:ZDB-GENE-030616-399]	3.514273017	0.874661189	-1.307741085	1.332356343
ENSORLG00000003210	-	-	4.245782118	1.1529443	-2.609514742	0.483808378
ENSORLG00000006783	psmb8a (1 of	proteasome subunit beta 8A [Source:ZFIN;Acc:ZDB-GENE-990415-141]	5.63052576	1.44415249	-1.608549485	2.578310647

	ENSORLG0000004124	APCDD1	APC down-regulated 1 [Source:HGNC Symbol;Acc:HGNC:15718]	3.003406766	1.916647796	-2.606888656	-1.519644704
	ENSORLG0000004814	si:skey-110c1	si:skey-110c1.10 [Source:ZFIN;Acc:ZDB-GENE-050208-429]	7.095885994	3.187876542	-3.65207662	0.254115179
	ENSORLG00000015972	ephb1	EPH receptor B1 [Source:ZFIN;Acc:ZDB-GENE-070912-219]	4.688014566	3.107297587	0.959761416	2.540964297
	ENSORLG0000002885	-	-	4.469037189	1.139342219	-1.613538516	1.716640609
	ENSORLG00000001785	P2RY4	pyrimidinergic receptor P2Y4 [Source:HGNC Symbol;Acc:HGNC:8544]	5.258742324	2.15444879	-1.815143859	1.289438264
	ENSORLG00000001284	si:ch211-214f9	si:ch211-214f9.1 [Source:ZFIN;Acc:ZDB-GENE-060526-100]	3.536112616	-0.895213993	-1.796534482	2.63727781
	ENSORLG00000006529	bnip6	bone morphogenetic protein 6 [Source:ZFIN;Acc:ZDB-GENE-050506-49]	6.14979306	1.140250119	-3.104242977	1.905732287
	ENSORLG00000017009	hnt5ab	family with sequence similarity 46, member A [Source:ZFIN;Acc:ZDB-GENE-071004-35]	4.108515787	1.021768365	-1.535802833	1.551428999
	ENSORLG00000009755	-	-	4.896148744	2.514680108	-0.962076776	1.419976055
	ENSORLG00000004036	-	-	3.064767536	0.89790624	-0.90386505	1.269280157
	ENSORLG00000000775	-	myosin 11 [Source:NCBI;gene:Acc:101172658]	5.258731679	1.276434448	-2.633395087	1.349387605
	ENSORLG00000012106	slc41a1	solute carrier family 41 (magnesium transporter), member 1 [Source:ZFIN;Acc:ZDB-GENE-030131-4700]	4.294608153	0.610657378	-1.187953699	2.496480657
	ENSORLG00000016850	PRKCZ	protein kinase C zeta [Source:HGNC Symbol;Acc:HGNC:9412]	3.498225783	0.20032312	-0.391938866	2.906453294
	ENSORLG00000008220	ar-alpha	Oxyrias latipes androgen receptor beta (ar-alpha) mRNA [Source:RefSeq mRNA;Acc:NM_001122911]	4.318650365	2.703748553	-0.688855146	0.926531492
	ENSORLG00000016176	-	-	4.638053581	1.545054985	-1.821287324	1.272196297
	ENSORLG00000007487	aatka	apoptosis-associated tyrosine kinase 4 [Source:ZFIN;Acc:ZDB-GENE-100812-4]	3.983576429	1.74639728	-1.20899183	1.02875579
	ENSORLG00000006554	alx4b	ALX homeobox 4b [Source:ZFIN;Acc:ZDB-GENE-050208-140]	15.7084424	12.17542792	-4.387320218	-0.853817851
	ENSORLG00000011441	dock11	dedicator of cytokinesis 11 [Source:ZFIN;Acc:ZDB-GENE-060503-196]	4.505987704	1.818028773	-2.261772057	0.426671347
	ENSORLG00000015292	pip4k2cb	phosphatidylinositol 5-phosphate 4-kinase type-2 gamma [Source:NCBI;gene:Acc:101173218]	4.052509911	0.546010901	-0.967203085	2.53977904
	ENSORLG00000021309	RF0045	small nucleolar RNA SNORA73 family [Source:NCBI;gene:Acc:111947131]	4.466729743	2.260750366	0.790703772	2.997168413
	ENSORLG00000004371	dic5a	chloride intracellular channel 5a [Source:ZFIN;Acc:ZDB-GENE-041114-84]	5.76785201	1.565337096	-2.269611922	1.933388177
	ENSORLG00000018204	fos2	fos-like antigen 2 [Source:ZFIN;Acc:ZDB-GENE-070209-164]	5.375191582	1.33330999	-1.978306692	2.064038315
	ENSORLG00000018163	-	-	5.038138823	0.806782899	-15.97261637	-11.74109194
	ENSORLG000000015172	mx1	max interactor 1, dimerization protein [Source:ZFIN;Acc:ZDB-GENE-050415-151]	3.791509547	1.400431251	-0.80145146	1.590111678
	ENSORLG00000000339	agp10b	agapronin 10b [Source:ZFIN;Acc:ZDB-GENE-060503-57]	4.018528542	-0.342818939	-1.53383841	2.827992819
	ENSORLG00000018046	-	-	4.824365597	1.75987691	-2.539567922	0.525405786
	ENSORLG00000009010	ephb3a	eph receptor B3a [Source:ZFIN;Acc:ZDB-GENE-990415-60]	4.194918755	1.896223847	-1.395513327	0.901666039
	ENSORLG00000015556	znf703	zinc finger protein 703 [Source:ZFIN;Acc:ZDB-GENE-010717-1]	3.360244029	0.969240801	-2.253604334	0.137883412
	ENSORLG00000017460	cers1	ceramide synthase 1 [Source:ZFIN;Acc:ZDB-GENE-050208-406]	5.759735596	2.440545148	-2.809978756	0.509702164
	ENSORLG00000015711	bvm	basic, immunoglobulin-like variable motif containing [Source:ZFIN;Acc:ZDB-GENE-010822-3]	3.056878136	0.16746299	-0.346138399	2.543762011
	ENSORLG00000012425	ptpn6	protein tyrosine phosphatase, non-receptor type 6 [Source:ZFIN;Acc:ZDB-GENE-030131-7513]	3.669098807	2.019274319	-1.700242317	-0.049933062
	ENSORLG00000014511	si:skey-239z0	si:skey-239z0.4 [Source:ZFIN;Acc:ZDB-GENE-030131-2644]	3.198959033	1.093711792	-0.891360787	1.214370321
	ENSORLG00000008635	abcd2	ATP-binding cassette, sub-family D (ALD), member 2 [Source:ZFIN;Acc:ZDB-GENE-050517-28]	3.252532775	1.955746036	-0.209986831	1.087285217
	ENSORLG00000013019	spred1	sprouty-related, EPH1 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2338]	6.767333485	4.023415674	-1.099995616	1.64441146
	ENSORLG00000003734	NFX (1 of many)	nuclear factor 1X [Source:HGNC Symbol;Acc:HGNC:101144651]	3.254288249	1.119051718	-2.172890014	-0.037808167
	ENSORLG00000002797	rsr2	rsd-skipped related transcription factor 2 [Source:NCBI;gene:Acc:101184502]	3.139956572	2.33445238	-1.511782768	-0.704787735
	ENSORLG00000012350	-	ermynthyn-2 like [Source:NCBI;gene:Acc:101174464]	4.401082028	1.857988939	-4.207352604	-1.663817927
	ENSORLG00000000293	si:ch211-255f2	si:ch211-255f2.3 [Source:ZFIN;Acc:ZDB-GENE-141218-113]	6.381571423	2.774737609	-4.23549447	-0.628119891
HmtO VS WTO	88	ENSORLG00000006423	-	2.339253791	3.364477799	1.084696444	0.059957724
	ENSORLG00000006578	slsk	slk-related kinase [Source:ZFIN;Acc:ZDB-GENE-040426-1506]	2.807753293	4.21202847	-0.42434592	0.04243592
	ENSORLG00000003484	slal1	Src-like-adapter 1 [Source:ZFIN;Acc:ZDB-GENE-050904-3]	1.151479854	3.165758316	1.910981484	-0.102812619
	ENSORLG00000002167	RF00284	small nucleolar RNA SNORD74 [Source:NCBI;gene:Acc:111947413]	-12.63301337	5.431997698	13.32769438	-4.736825993
	ENSORLG00000006720	si:ch211-241f6	si:ch211-241f6.3 [Source:ZFIN;Acc:ZDB-GENE-131127-562]	1.600537159	4.200580927	2.285075802	-0.0314481725
	ENSORLG00000005961	-	glutathione S-transferase Mu 5 [Source:NCBI;gene:Acc:101157858]	0.882912403	4.839535112	1.619307058	-2.336830765
	ENSORLG00000003632	-	cell surface A33 antigen-like [Source:NCBI;gene:Acc:101160989]	1.134556428	3.530842334	1.32367267	-1.072228339
	ENSORLG00000005824	gnrh3	Oxyrias latipes prepro-gonadotropin-releasing hormone (gnrh3) mRNA [Source:RefSeq mRNA;Acc:NM_001104672]	-16.426586696	3.298120449	10.25296104	-9.471256466
	ENSORLG00000016162	-	Oxyrias latipes Herf (LOC100049436), mRNA [Source:RefSeq mRNA;Acc:NM_001104810]	1.982437411	8.524040977	1.006611077	-5.534510758
	ENSORLG00000017610	cx34.5	connexin 34.5 [Source:ZFIN;Acc:ZDB-GENE-050224-2]	1.823973426	3.943822338	-5.896033504	-0.015410833
	ENSORLG00000002894	-	-	0	16.18785857	12.81087653	-2.556708491
	ENSORLG00000002120	RF00612	small nucleolar RNA SNORD75 [Source:NCBI;gene:Acc:111947416]	-11.31474194	5.013521263	14.93990417	-1.388669234
	ENSORLG00000004107	-	-	14.80376887	16.29475678	0.566389486	-0.924138127
	ENSORLG00000017093	zgc153157	zgc153157 [Source:ZFIN;Acc:ZDB-GENE-060825-224]	2.276547709	3.497540254	-0.831083638	-2.051597365
	ENSORLG00000018146	-	-	4.267791873	4.532198469	1.428614169	1.164730348
	ENSORLG00000013850	-	-	16.5731675	10.7018185	-6.372503805	-0.72531815
	ENSORLG00000002134	-	-	4.156195454	6.69899843	-0.080642314	-1.623964693
	ENSORLG00000007211	adma	adrenomedullin [Source:NCBI;gene:Acc:100125438]	2.917671499	3.067030431	-0.214278438	-0.363159267
	ENSORLG00000011567	-	-	-13.88436321	3.237271738	14.30087484	-2.810138321
	ENSORLG000000005213	-	-	-10.71312012	5.476364924	11.6290287	-4.559967072
	ENSORLG00000007814	-	-	-5.209746021	3.915249162	0.726676626	-8.399694446
	ENSORLG00000017009	anxa2a	annexin A2, A [Source:NCBI;gene:Acc:101167451]	1.515469788	1.72972238	1.025458522	-0.896893121
	ENSORLG00000015290	-	-	0.605421938	4.027117928	1.942702356	-1.478570975
	ENSORLG00000012826	-	-	1.668064006	4.611643119	2.756689853	-0.187407611
	ENSORLG00000018221	-	-	-0.046313926	3.547689863	3.014698204	-0.365901886
	ENSORLG00000008441	-	-	4.752782161	3.915235987	0.407031479	-1.455940564
	ENSORLG00000015010	slc27a1b	solute carrier family 27 (fatty acid transporter), member 1b [Source:ZFIN;Acc:ZDB-GENE-061013-872]	3.527512955	8.817929831	-1.392314959	-6.682241896
	ENSORLG00000006890	IL1F1	IL1 family inflammatory factor 1 [Source:NCBI;gene:Acc:101175592]	-13.56561502	3.878838639	14.89041582	-2.553547477
	ENSORLG00000005918	-	-	-4.792054685	3.827115133	0.00078633	-8.614513691
	ENSORLG00000018328	-	-	1.781770034	3.85029279	1.1732947	-0.896893121
	ENSORLG00000002688	-	-	-8.881788959	7.296217008	14.20519913	-1.912302004
	ENSORLG00000009126	erb2	Oxyrias latipes estrogen-related receptor beta type 2 (erb2) mRNA [Source:RefSeq mRNA;Acc:NM_001163091]	1.50209701	8.208995727	3.369412677	-3.336999572
	ENSORLG00000000557	-	-	8.817143358	15.99838042	4.614602785	-2.566194242
	ENSORLG00000001199	-	-	8.490048599	15.69327704	5.666318942	-1.536436843
	ENSORLG00000004277	hsd17b3	hydroxysteroid (17-beta) dehydrogenase 3 [Source:ZFIN;Acc:ZDB-GENE-040426-1339]	-2.760197371	3.189194363	4.638943094	-1.310550334
	ENSORLG00000000836	-	-	-0.179951725	0.179951725	8.278357079	-8.278357079
	ENSORLG00000013321	-	-	-0.596171255	0.596171255	3.285681104	-4.403233531
	ENSORLG00000017090	-	-	10.06323355	20.01925029	1.857104209	-8.108456882

	ENSRORG0000011883	ephb6	eph receptor B6 [Source:ZFIN;Acc:ZDB-GENE-100922-51]	0.734474051	7.447299403	2.427313851	-4.285022511
	ENSRIG00000004187	-	-	2.364372006	6.710977083	-4.846034603	-9.192147038
	ENSRIG00000007108	-	-	-12.83807329	3.901003792	15.45518368	-1.283402172
	ENSRIG000000017005	-	-	3.390768654	4.548142006	2.039939115	0.883051472
	ENSRIG00000005715	olfcg6	extracellular calcium-sensing receptor-like [Source:NCBI gene:Acc:101174763]	-10.72021005	5.261451258	0	-15.98166828
	ENSRIG00000004161	-	-	2.927132005	5.033639836	-1.584207646	-3.690231849
	ENSRIG000000021868	RF00271	coenzyme Q-binding protein COQ10 homolog, mitochondrial [Source:NCBI gene:Acc:101164311]	-10.16093027	5.500183451	15.5619472	-0.098031067
	ENSRIG000000011040	-	-	13.7885853	4.528957062	13.2489484	-2.136494868
	ENSRIG00000001109	-	-	2.484489351	3.45517393	0.098410647	-0.070233698
	ENSRIG00000006007	sou5	heme-binding protein sou5 [Source:ZFIN;Acc:ZDB-GENE-110718-2]	-4.101978636	3.324966349	2.293820203	-5.187078109
	ENSRIG000000016133	-	-	5.17964243	8.784710849	1.377335417	-2.27273393
	ENSRIG00000009963	-	-	-14.66705331	3.204260399	0	-17.87132015
	ENSRIG000000021451	RF00070	small nucleolar RNA SNORD29 [Source:NCBI gene:Acc:111946360]	-12.31474184	3.305502715	15.29735838	-0.322396762
	ENSRIG00000001178	-	-	1.327483849	6.328796471	2.621065209	-2.377598303
	ENSRIG000000001825	crot	carbamate O-acetyltransferase [Source:NCBI gene:Acc:101171357]	-11.05257484	5.404364915	10.65068379	-5.805766305
	ENSRIG00000009255	crot	carbamate O-acetyltransferase [Source:NCBI gene:Acc:101171357]	0.658501109	3.808104507	0.807021458	-2.342097223
	ENSRIG00000006058	C3orf80	chromosome 3 open reading frame 80 [Source:HGNC Symbol;Acc:HGNC:40048]	-1.310427329	3.159226141	0.736602615	-1.111170761
	ENSRIG000000015788	-	-	-11.69532835	5.590123959	14.26333743	-3.021625097
	ENSRIG000000000087	-	-	0	15.92564229	10.42636878	-5.49894774
	ENSRIG00000009496	-	-	0.505785748	3.502402876	-0.318088707	-3.314230875
	ENSRIG000000021468	RF00069	small nucleolar RNA SNORD24 [Source:NCBI gene:Acc:111947418]	1.497411064	7.287775155	3.10551255	-2.684370103
	ENSRIG000000011788	-	-	-12.88998421	3.088356655	13.03343677	-2.944238637
	ENSRIG000000016089	-	-	-1.401980383	4.95310516	2.318807778	-4.018807186
	ENSRIG000000021554	RF00099	small nucleolar RNA SNORD22 [Source:NCBI gene:Acc:111946360]	-14.19580257	15.6773535	2.20078903	0.719705048
	ENSRIG00000009899	-	-	18.21778804	6.333207458	10.13615805	-12.41243438
	ENSRIG000000017016	-	-	-0.085892819	5.844205651	4.899790141	-0.619820043
	ENSRIG000000021285	RF00591	small nucleolar RNA snR60/Z15Z30/Z193/17 [Source:NCBI gene:Acc:111947414]	0.724028756	3.334028655	2.556705289	-0.052810403
	ENSRIG000000017074	-	-	0	16.88620778	12.25450606	-4.431230125
	ENSRIG000000008540	-	-	-13.09797943	3.454230434	0	-16.55221593
	ENSRIG000000000253	-	-	-8.66895877	7.049034663	13.86279328	-1.854889197
	ENSRIG00000003097	-	-	-12.4455736	3.420748027	14.0549513	-3.910786004
	ENSRIG00000006867	si ch211-240n	chemokine-like receptor 1 [Source:ZFIN;Acc:ZDB-GENE-060526-126]	1.287442533	3.672975688	2.075919146	-0.309129433
	ENSRIG000000014327	-	-	-1.48865657	3.6442344	1.656622447	-3.475792401
	ENSRIG00000005912	cd81b	CD81 molecule b [Source:ZFIN;Acc:ZDB-GENE-040808-52]	2.847521327	3.911543291	1.617465387	0.653927148
	ENSRIG000000012376	ptpip1b	proline-senase-threonine phosphatase interacting protein 1b [Source:ZFIN;Acc:ZDB-GENE-051127-25]	1.960917848	3.306661368	-0.137307322	-1.476564358
	ENSRIG000000005946	-	-	2.028198587	3.012972482	0.778548167	-0.204740139
	ENSRIG000000013883	-	-	3.397748184	4.91697148	3.218804898	-0.06454504
	ENSRIG000000011796	-	-	3.88483922	3.918904428	2.678974832	1.068854115
	ENSRIG000000070886	myofll	myofelin like [Source:ZFIN;Acc:ZDB-GENE-111116-2]	0.842748128	3.420638474	2.178652336	-0.65054041
	ENSRIG000000021274	RF00281	small nucleolar RNA SNORD47 [Source:NCBI gene:Acc:111947412]	1.757039582	3.026189407	2.035193712	0.766527722
	ENSRIG000000012514	-	-	-0.003592862	5.713062113	2.086110182	-3.630062035
	ENSRIG000000000473	-	-	2.208203976	3.306163836	-0.836257819	-1.933732668
	ENSRIG000000017085	-	-	0	17.5205118	13.67108214	-3.848957462
	ENSRIG000000011753	abi3tpa	ABI family, member 3 (NESH) binding protein a [Source:ZFIN;Acc:ZDB-GENE-070912-325]	-0.478522541	3.30292313	0.0628805	-3.718076732
	ENSRIG000000001170	-	-	-9.947373942	5.693097453	13.33602251	-2.30396196
	ENSRIG000000002029	-	-	-3.383335714	7.556877654	6.96565559	-3.973889333
	ENSRIG000000006289	-	-	-11.01472351	4.792702363	15.18189415	-0.684538278
	ENSRIG000000007250	-	-	-11.55487659	4.290705652	0	-15.8455832
	ENSRIG000000011776	-	-	2.371720089	3.273248337	2.49623806	1.595196422
	ENSRIG000000011891	qhvl-4	immunoglobulin heavy variable 1-4 [Source:ZFIN;Acc:ZDB-GENE-040514-1]	2.703955716	4.820706558	2.158363525	0.042097762
Hmt VS WTT	718	ENSRIG00000008213	-	-2.252000578	0.065087827	3.186931598	0.880328174
	ENSRIG000000010936	-	-	-1.844315882	0.339103369	3.564994518	1.30260104
	ENSRIG000000016363	isca2	iron-sulfur cluster assembly 2 [Source:ZFIN;Acc:ZDB-GENE-131121-486]	-2.178971946	0.455792664	3.616825719	0.982546081
	ENSRIG00000005255	-	-	-1.65188544	2.058613313	5.968977357	2.257962112
	ENSRIG00000003255	YAF2 (1 of many)	YY1 associated factor 2 [Source:HGNC Symbol;Acc:HGNC:17363]	-2.059009946	0.589514105	3.644945087	0.996095988
	ENSRIG000000017153	-	-	-11.435039927	3.540012039	17.28616339	2.311605328
	ENSRIG000000011235	nchp2	nuclear cap binding protein subunit 2 [Source:ZFIN;Acc:ZDB-GENE-020419-31]	-1.244361204	1.367364509	3.792668664	1.181446269
	ENSRIG000000009861	se26a	seizure related 6 homolog a [Source:ZFIN;Acc:ZDB-GENE-030131-8208]	-5.11596497	-0.765236823	4.934839922	0.584966153
	ENSRIG000000016956	dnajc17	DnaJ heat shock protein family (Hsp40) member C17 [Source:NCBI gene:Acc:101171293]	-3.877991568	-0.331539898	3.714203628	0.168238788
	ENSRIG000000016990	psma8	proteasome subunit alpha 8 [Source:ZFIN;Acc:ZDB-GENE-040426-2194]	-2.114369214	1.495189529	4.363165164	0.754091155
	ENSRIG000000003731	PRELID3B	PREL domain containing protein 3B [Source:NCBI gene:Acc:101164398]	-0.542028695	0.223444128	3.157409992	2.392422125
	ENSRIG000000009647	ef1ad	eukaryotic translation initiation factor 1A domain containing [Source:NCBI gene:Acc:101161651]	-1.941506539	-0.140645213	3.541356124	1.740879704
	ENSRIG00000007002	-	-	-17.53162735	1.9219937	18.51743395	-0.935698988
	ENSRIG000000008052	nx2	nuclear transport factor 2-like export factor 2 [Source:ZFIN;Acc:ZDB-GENE-050521-1]	-1.34393565	0.820084946	4.213913931	2.05037829
	ENSRIG000000008081	-	-	-11.01472351	4.792702363	15.18189415	-0.684538278
	ENSRIG000000005534	cabpnp1	histone H2A-like [Source:NCBI gene:Acc:101161532]	-5.440375745	-0.669169785	4.255132051	-0.515588247
	ENSRIG000000016378	-	-	2.57342498	-0.922419121	3.81459064	2.164076886
	ENSRIG00000001781	cdn5	prelidin 5 [Source:ZFIN;Acc:ZDB-GENE-030131-8858]	-2.715752878	0.533672047	3.715577754	0.466837748
	ENSRIG00000004537	snmm15	small integral membrane protein 15 [Source:NCBI gene:Acc:101165811]	-1.671259115	0.912621825	4.77280319	2.189284369
	ENSRIG000000007945	uba3	ubiquitin-like modifier activating enzyme 3 [Source:ZFIN;Acc:ZDB-GENE-040426-2825]	-2.344837277	0.238734151	4.226612838	1.643526285
	ENSRIG000000015891	-	-	-2.49827392	-0.230746187	3.202751559	0.935754589
	ENSRIG000000007402	sm6	LSM6 homolog, U6 small nuclear RNA and mRNA degradation associated [Source:NCBI gene:Acc:101156227]	-20.62584674	2.613784967	22.32961011	-0.909531468
	ENSRIG000000001720	cln6a	CLN6, transmembrane ER protein [Source:NCBI gene:Acc:101166858]	-2.152068997	-0.624439874	3.981697455	2.454551927
	ENSRIG000000018097	-	-	-2.620454341	0.367721153	5.732362009	2.744671555
	ENSRIG000000013883	tmem18	transmembrane protein 18 [Source:NCBI gene:Acc:101158989]	-4.419316808	1.194346852	4.564497672	-1.048680746
	ENSRIG00000009116	naaf50	(Naf50) acetyltransferase 50, Naf catalytic subunit [Source:NCBI gene:Acc:101162486]	-2.749120441	1.413171693	4.797831522	0.636024338
	ENSRIG000000002783	polr2k	RNA polymerase II subunit K [Source:NCBI gene:Acc:101167378]	-4.641690103	1.931506944	6.088748836	-0.483964168
	ENSRIG000000021758	-	-	-13.30972502	2.034765866	16.30311503	0.959115159
	ENSRIG000000007998	ktl12	KTLL2 chromatin associated homolog [Source:ZFIN;Acc:ZDB-GENE-060825-174]	-4.674204947	1.132987684	4.575901883	-1.230810949
	ENSRIG000000008782	nek7	NIMA-related kinase 7 [Source:ZFIN;Acc:ZDB-GENE-040801-136]	-1.034549042	1.401464425	4.338787016	1.901258167

ENSRORG0000009553	atmin	ATM interactor [Source:ZFIN;Acc:ZDB-GENE-030616-220]	-1.637395916	0.592359065	3.090709904	0.861439714
ENSRORG0000008024	copz1	coatomer protein complex subunit zeta 1 [Source:ZFIN;Acc:ZDB-GENE-000406-6]	-4.194884974	2.162972222	6.735585167	0.37821267
ENSRORG0000006027	atn3	atn3 [Source:ZFIN;Acc:ZDB-GENE-040426-983]	-16.62320635	1.371993808	17.59678256	-0.3964763
ENSRORG0000009542	-	-	-1.09278451	1.07160337	3.64858653	1.53610974
ENSRORG0000021764	-	-	-1.116218989	15.30901549	4.86547478	0.719115491
ENSRORG0000003861	-	-	-12.78500283	2.697675914	17.01578744	1.535959476
ENSRORG0000001137	ndufa3	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3 [Source:ZFIN;Acc:ZDB-GENE-040901-18]	-18.58421079	1.293797517	20.03074438	0.153226097
ENSRORG0000001139	fam173a	family with sequence similarity 173, member A [Source:ZFIN;Acc:ZDB-GENE-040625-59]	-0.903653746	1.654365302	4.540498074	1.982963949
ENSRORG00000015618	-	-	0.209380344	1.257750397	4.019201463	2.971316187
ENSRORG0000009636	tbn28	RNA binding motif protein 28 [Source:ZFIN;Acc:ZDB-GENE-040426-960]	-2.021120916	1.130649083	3.746754757	0.595469489
ENSRORG0000004227	dniz	DNA-type zinc finger [Source:ZFIN;Acc:ZDB-GENE-070112-1482]	-4.025072773	0.733075024	3.777664193	-0.979998241
ENSRORG00000002261	ubtcip1	ubiquitin like domain containing CTD phosphatase 1 [Source:NCBI; gene:Acc:101175164]	-3.33570191	0.823237189	4.139425893	-0.019028211
ENSRORG00000018601	atg12	ATG12 autophagy related 12 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-071205-7]	-2.316283464	0.613692502	3.033277019	0.103806014
ENSRORG00000014805	-	-	-9.444173414	1.713166299	5.132185505	-6.024668691
ENSRORG00000012945	wrb	tryptophan rich basic protein [Source:ZFIN;Acc:ZDB-GENE-030131-7696]	-3.64713528	0.071694332	3.558022029	-0.160322856
ENSRORG00000007904	ube2w	ubiquitin-conjugating enzyme E2W (putative) [Source:ZFIN;Acc:ZDB-GENE-050506-34]	-3.110764005	2.33725761	5.490834318	0.043000197
ENSRORG00000007811	-	-	-2.605169	0.631083992	4.718385248	1.48261719
ENSRORG00000007140	polr2h	RNA polymerase II subunit H [Source:NCBI; gene:Acc:101159428]	-7.433728165	1.731301036	9.208984497	0.044441709
ENSRORG00000003083	-	-	1.617318673	4.94268656	5.156208344	1.83132231
ENSRORG00000017109	-	-	-1.015537125	0.427311333	3.247694891	1.805331193
ENSRORG00000005528	trappc2l	trafficking protein particle complex 2 like [Source:NCBI; gene:Acc:101171474]	-3.930307748	2.182517268	7.607198176	1.494857481
ENSRORG00000011425	chmp5b	charged multivesicular body protein 5 [Source:NCBI; gene:Acc:101159542]	-1.235983567	1.135504544	3.202362546	0.831359291
ENSRORG00000003041	-	-	-1.43105244	2.20819178	5.5064923	1.86772952
ENSRORG00000009874	rab2	RAB, member of RAS oncogene family-like 2 [Source:ZFIN;Acc:ZDB-GENE-060503-464]	-0.204497353	1.980985106	4.546582346	2.361584558
ENSRORG00000004700	vps36	vacuolar protein sorting 36 homolog [Source:NCBI; gene:Acc:101172754]	-2.752840087	0.236514493	4.683277645	1.694407821
ENSRORG00000008901	-	-	-3.345991044	-0.888993805	4.410209649	1.953697429
ENSRORG00000016868	-	-	-4.97168988	0.90278537	6.892705513	0.02172598
ENSRORG000000009747	uroc	uroporphyrinogen III synthase [Source:NCBI; gene:Acc:101165599]	-1.205796483	0.906899057	3.82089333	1.708593065
ENSRORG00000014484	-	-	-0.42547732	2.106337454	5.371410265	2.79008037
ENSRORG00000015816	-	-	-3.3087681	-0.018645357	4.548293538	1.258659751
ENSRORG00000010498	fam135a	family with sequence similarity 135, member A [Source:ZFIN;Acc:ZDB-GENE-080130-11]	-0.835250087	0.892371768	3.100312914	1.373175962
ENSRORG00000017293	mett8	methyltransferase like 8 [Source:ZFIN;Acc:ZDB-GENE-041114-19]	-16.26336421	2.295508185	17.05182442	-1.50655793
ENSRORG00000004602	elov17a	ELCVL fatty acid elongase 7a [Source:ZFIN;Acc:ZDB-GENE-030131-6149]	-1.837031926	1.033577705	3.647015714	0.776891084
ENSRORG00000007971	ctb5	chromobox homolog 5 (HP1 alpha homolog, Drosophila) [Source:ZFIN;Acc:ZDB-GENE-030131-5553]	-1.793178257	1.18646817	4.0283985	1.049052223
ENSRORG00000000519	-	-	-1.777635799	0.416288111	3.89602457	1.502584112
ENSRORG00000001649	-	-	-1.861059623	0.411261932	3.794647212	1.522810603
ENSRORG00000008281	lyar	ly1 antibody reactive [Source:NCBI; gene:Acc:101158787]	-4.08788306	1.120770616	5.507279974	0.299110924
ENSRORG00000013308	polr2i	RNA polymerase II subunit I [Source:NCBI; gene:Acc:101158787]	-1.116439992	1.163228454	3.67471747	1.395533782
ENSRORG00000006284	BLOC1S1	biogenesis of lysosomal organelles complex 1 subunit 1 [Source:HGN; Symbol:Acc:HGN-4200]	-1.517914712	0.830670387	3.214443244	0.866343078
ENSRORG000000017183	-	-	-7.931697774	-0.980725117	4.459810299	-2.490677886
ENSRORG00000017910	morc3a	MORC family CW-type zinc finger 3a [Source:ZFIN;Acc:ZDB-GENE-030131-1502]	-2.936462092	-0.222576703	4.14261893	1.42921837
ENSRORG00000010208	vps26a	VPS26, retromer complex component A [Source:ZFIN;Acc:ZDB-GENE-040426-1108]	-5.100755065	0.765753898	6.109381597	0.243357319
ENSRORG00000008283	srrd	SRR1 domain containing [Source:ZFIN;Acc:ZDB-GENE-060825-269]	-3.852781052	0.361036437	3.557772135	-0.655560767
ENSRORG00000007375	-	-	-1.321070975	1.706210574	5.466661793	2.438665082
ENSRORG00000010845	-	-	-3.054610541	-0.772913836	5.181913869	2.906696965
ENSRORG00000002369	bnip1b	vesicle transport protein SEC20 [Source:NCBI; gene:Acc:101155624]	-1.378914	-0.145380097	3.83823258	2.605182947
ENSRORG00000010559	lts1	leucine zipper, putative tumor suppressor 1 [Source:ZFIN;Acc:ZDB-GENE-081104-431]	0.990878684	3.252971439	3.509368597	1.247761425
ENSRORG00000003347	-	-	-2.993711048	0.496493082	5.040084698	1.550365779
ENSRORG00000017929	-	-	-1.305747675	2.594350523	6.8149764	2.913411687
ENSRORG00000007453	DNAJA4	DnaJ heat shock protein family (Hsp40) member A4 [Source:HGN; Symbol:Acc:HGN-14885]	-5.057866323	-0.037363316	5.367514677	0.002770002
ENSRORG00000017604	-	-	-1.819253532	-0.615910445	3.48935419	2.286497586
ENSRORG00000010746	-	-	-0.441291664	1.002679313	3.265145844	1.821659964
ENSRORG00000001232	hfdz1	SFT2 domain containing 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1350]	-2.59356092	1.153159776	4.872733234	1.081031924
ENSRORG00000020256	dun1jds	DCN1 like protein 5 [Source:NCBI; gene:Acc:101185657]	-3.12173969	0.318423524	4.676158823	1.2264778
ENSRORG00000005104	anrp25	small nuclear ribonucleoprotein 25 [Source:ZFIN;Acc:ZDB-GENE-050417-179]	-4.518718717	1.065034663	5.153034671	-0.06396216
ENSRORG00000011823	-	-	-8.239279046	0.761335175	5.355117936	-3.64501184
ENSRORG00000016960	mpf54	mitochondrial ribosomal protein L54 [Source:NCBI; gene:Acc:101160060]	-2.223990131	1.214131228	3.168005622	-0.26959964
ENSRORG00000017216	-	-	-4.615830937	1.585326886	5.404938937	-0.795435395
ENSRORG00000012015	si-ch211-11k13	si-ch211-11k13.4 [Source:ZFIN;Acc:ZDB-GENE-070912-22]	-5.276535043	-0.195648531	3.572871011	-1.507530685
ENSRORG00000006478	-	-	-1.456091785	0.686641125	3.106898481	0.964850703
ENSRORG00000013541	-	-	-0.291833172	0.907769707	3.135271088	1.936856253
ENSRORG00000009378	snx24	sorting nexin 24 [Source:NCBI; gene:Acc:101172180]	-2.468847738	1.273783471	4.289391688	0.542924507
ENSRORG000000015748	cnqa3a	cyclic nucleotide gated channel alpha 3a [Source:ZFIN;Acc:ZDB-GENE-090611-21]	-5.46290788	-0.031827161	6.94205468	1.503401139
ENSRORG00000021281	Rf00026	U6 small nuclear RNA [Source:NCBI; gene:Acc:101162770]	-0.580612688	1.83104772	5.130889704	2.739718251
ENSRORG00000007443	exoc2	exosome component 2 [Source:NCBI; gene:Acc:101162770]	-3.171039957	0.380144539	3.835414818	0.284714977
ENSRORG00000003368	RPA1 (1 of ma	replication protein A1 [Source:HGN; Symbol:Acc:HGN-10289]	-0.647491774	0.284506605	3.582500953	2.650987236
ENSRORG00000004450	wrap73	WD repeat containing, antisense to TP73 [Source:NCBI; gene:Acc:101188286]	-0.609298861	-0.023277768	3.302816773	2.717280572
ENSRORG00000012043	taf1a	TATA box binding protein (TBP)-associated factor, RNA polymerase I, A [Source:ZFIN;Acc:ZDB-GENE-041014-272]	-4.447460052	1.206136551	4.689143178	-0.963968812
ENSRORG00000012750	setb	protein SET [Source:NCBI; gene:Acc:101171505]	-2.433797037	0.436545408	3.079695689	0.209838127
ENSRORG00000017693	-	-	-4.571258789	0.483022881	4.32881891	-0.72497398
ENSRORG00000017740	-	-	-3.94859536	0.133919648	5.371705035	1.388917894
ENSRORG00000013412	dnosp2	dnocriptase 2 [Source:ZFIN;Acc:ZDB-GENE-120419-2]	-2.290389056	-0.35650366	3.828902033	0.985499675
ENSRORG00000001212	-	-	-15.62879808	1.701940505	16.54778347	-0.782965126
ENSRORG00000014226	med18	mediator complex subunit 18 [Source:NCBI; gene:Acc:101165897]	-2.418133571	-0.013556545	3.362461844	0.958369484
ENSRORG00000005117	exoc10	exosome component 10 [Source:NCBI; gene:Acc:101172813]	-2.539383228	-0.283568584	3.728927427	1.47359765
ENSRORG00000013980	-	-	-10.13224266	4.863986355	15.953222726	0.957478594
ENSRORG00000005597	-	-	-4.338308864	0.381591162	3.848042059	-0.871373315

ENSORLG0000001815	-	-	-6.218742728	1.175775811	3.907499466	-3.486534750
ENSORLG0000000232	mphosph6	M-phase phosphoprotein 6 [Source:NCBI gene:Acc10117370]	-1.710122057	-0.212511877	3.065131723	1.568006482
ENSORLG00000015955	sp3b6	splicing factor 3b subunit 6 [Source:NCBI gene:Acc101163944]	-4.797507178	0.779991299	7.066889818	1.489875074
ENSORLG00000012697	uqcrb	cytochrome b-c1 complex subunit 7 [Source:NCBI gene:Acc101165157]	-4.552364701	2.412165623	6.768652971	-0.195392633
ENSORLG00000009342	PDCD5	programmed cell death 5 [Source:NCBI gene:Acc101170335]	-1.28044675	1.228169022	3.507452461	0.999321442
ENSORLG00000011018	-	-	-3.218315288	1.770815344	5.036416331	0.047713559
ENSORLG00000006532	-	-	-2.714843648	0.305928252	4.360981025	1.337339795
ENSORLG000000018131	map3k19	mitogen-activated protein kinase kinase kinase 19 [Source:ZFIN:Acc:ZDB-GENE-081104-149]	1.201866652	2.622266253	3.512549761	2.092635039
ENSORLG00000001966	chc1c1	cysteine-rich hydrophobic domain 1 [Source:ZFIN:Acc:ZDB-GENE-030131-7763]	-0.949920067	0.179136338	3.448562476	2.319990912
ENSORLG00000006704	-	-	-3.335176886	2.99473009	4.550834538	-1.778870888
ENSORLG00000003143	-	-	-5.238217287	0.776760753	6.995565745	0.981072186
ENSORLG000000015969	si.ch211-225b	si.ch211-225b10.3 [Source:ZFIN:Acc:ZDB-GENE-130531-53]	-1.31798629	-0.814746533	3.130702531	2.627947778
ENSORLG00000006336	-	-	-5.209909194	-0.565959863	3.798238402	-0.845226057
ENSORLG00000002362	bod1	biorientation of chromosomes in cell division 1 [Source:ZFIN:Acc:ZDB-GENE-060810-163]	-2.947933059	-0.152766698	4.565005901	1.77032503
ENSORLG00000003485	ap1s2	adaptor-related protein complex 1, sigma 2 subunit [Source:ZFIN:Acc:ZDB-GENE-030131-5448]	0.251848934	1.162740075	3.310820069	2.40041383
ENSORLG00000015691	ER3P1	immediate early response 3-interacting protein 1 [Source:NCBI gene:Acc101155933]	-2.081471837	0.839199914	3.501867559	0.581680615
ENSORLG00000014700	-	-	-5.176812119	0.197269692	4.072278253	-1.841318581
ENSORLG00000014954	sem4de	semaphorin 4e [Source:ZFIN:Acc:ZDB-GENE-990715-7]	-0.310894745	0.714022271	3.038422008	2.014820035
ENSORLG00000016530	-	-	17.52723085	16.35163127	4.372503582	1.551334838
ENSORLG00000008811	kjun1d1	DNK1-like protein 1 [Source:NCBI gene:Acc101167649]	-2.854352473	2.658692218	5.741500398	0.228940325
ENSORLG00000012852	zgc111986	chromosome 11 C6orf62 homolog [Source:NCBI gene:Acc101167123]	0.356598952	1.794238576	4.025341432	2.588184651
ENSORLG00000017518	chn1	chmerin 1 [Source:ZFIN:Acc:ZDB-GENE-040426-193d]	0.488724994	2.874070277	4.439849934	2.034988834
ENSORLG00000014060	fbx1	rtnn-box 1 [Source:NCBI gene:Acc101170590]	-2.417006307	0.787964822	4.194706813	0.950220736
ENSORLG00000014153	-	-	-0.407530021	1.11434332	4.455108916	2.974239961
ENSORLG00000005011	-	-	-15.40402623	1.001076845	18.08953977	1.68527682
ENSORLG00000005979	saal1	serum amyloid A-like 1 [Source:ZFIN:Acc:ZDB-GENE-040426-72s]	-2.930909188	-0.391781029	4.681009866	2.142366902
ENSORLG00000012528	-	-	-0.550199452	1.214251615	3.036836887	1.272870884
ENSORLG00000006817	-	-	-2.552929673	-0.252082823	4.13901895	0.836440111
ENSORLG00000005711	trn14a	thioredoxin like 4A [Source:NCBI gene:Acc101166315]	-3.645797629	1.450105559	5.523309762	0.428947775
ENSORLG00000007900	elocb	elolan C [Source:NCBI gene:Acc101173584]	-6.285496008	2.301282256	7.560492667	-1.02800732
ENSORLG00000010415	dhps	deoxyhypusine synthase [Source:NCBI gene:Acc101170086]	-0.780682412	0.709920319	3.087432899	1.597315078
ENSORLG00000011717	ube2d4	ubiquitin-conjugating enzyme E2 D4 [Source:NCBI gene:Acc101172587]	-8.126296093	1.785496675	10.50009179	0.588789056
ENSORLG00000006138	glod5	glyoxalase domain containing 5 [Source:NCBI gene:Acc101168784]	-2.235972122	0.414378465	3.311243411	0.661377582
ENSORLG00000016132	-	-	-3.953722807	-0.228806115	3.493768534	-0.230674722
ENSORLG00000002469	bloc16	biogenesis of lysosomal organelles complex 1 subunit 6 [Source:NCBI gene:Acc101172565]	-2.233801152	0.252711894	3.383876374	0.897848537
ENSORLG00000016957	lms32a	family with sequence similarity 32 member A [Source:NCBI gene:Acc101159813]	-1.512077092	0.547512417	5.00650013	2.947395437
ENSORLG00000003570	cnops	centriole protein 5 [Source:NCBI gene:Acc101172587]	-1.268453167	0.418549021	3.302617423	1.6181160231
ENSORLG000000021348	rf00309	small nucleolar RNA snR60/Z15/Z30/Z193/017 [Source:NCBI gene:Acc111947415]	-3.035678495	2.791306435	6.289618997	0.463122092
ENSORLG00000015281	asdurf	asparagine synthetase domain containing 1 [Source:NCBI gene:Acc111946260]	-2.139004391	0.846828407	3.139863007	0.154514934
ENSORLG00000006055	ngn1	neugrin, neurite outgrowth associated [Source:NCBI gene:Acc101159100]	-2.960001426	-0.184916011	3.131620781	0.357020315
ENSORLG00000006670	nuc2a	nucleolin 2a [Source:ZFIN:Acc:ZDB-GENE-030826-14]	0.274414246	2.014081351	3.554687477	1.815505523
ENSORLG00000002350	trmt112	RNA methyltransferase subunit 11-2 [Source:NCBI gene:Acc101155291]	-3.514505213	0.563871183	4.217483251	0.139591653
ENSORLG00000015322	-	-	-2.792808069	-0.291335566	3.644892092	1.14390523
ENSORLG00000012129	bnp3a	BCL2 interacting protein 3 like a [Source:ZFIN:Acc:ZDB-GENE-030131-228b]	-1.608105996	1.297903877	3.683684803	0.778159858
ENSORLG00000010326	-	-	-3.855240855	0.058483573	6.14846535	2.505224169
ENSORLG00000015994	spcs1	signal peptidase complex subunit 1 [Source:NCBI gene:Acc101160314]	-2.237033199	1.518120435	3.510077138	-0.244591598
ENSORLG00000013809	bud31	BUD31 homolog [Source:NCBI gene:Acc101174835]	-3.172086108	1.901884346	5.01978522	-0.053700292
ENSORLG00000012977	-	-	-1.04528621	1.580045053	4.190945049	1.566098706
ENSORLG00000017157	zbtb8os	zinc finger and BTB domain containing 8 opposite strand [Source:NCBI gene:Acc101154822]	-1.724370183	2.089982931	4.041873243	0.228005059
ENSORLG00000014275	yju2	YJU2 splicing factor homolog [Source:ZFIN:Acc:ZDB-GENE-040426-841]	-4.236341554	-0.207559588	3.876489309	-0.151807947
ENSORLG00000017897	pp2r3c	protein phosphatase 2 regulatory subunit B, gamma [Source:ZFIN:Acc:ZDB-GENE-040426-715]	-3.467519098	1.083938132	5.541415672	0.990443073
ENSORLG00000016171	-	-	-0.459516024	0.253563735	3.7462799	2.562033147
ENSORLG00000004653	psmh3	proteasome (prosome, macropain) assembly chaperone 3 [Source:ZFIN:Acc:ZDB-GENE-040718-282]	-1.925350354	1.508106777	4.136207047	0.703235887
ENSORLG00000016959	-	-	-3.492960278	1.782183369	7.549723177	2.274529036
ENSORLG00000010194	-	-	-0.285369154	0.87249306	3.027138714	1.861764472
ENSORLG00000006361	fen1	flap structure-specific endonuclease 1 [Source:NCBI gene:Acc101158562]	-1.307069428	0.245137358	3.227722202	1.676000179
ENSORLG00000016318	gstz1	glutathione S-transferase zeta 1 [Source:NCBI gene:Acc101162471]	-4.853594658	1.113728839	5.151882633	-0.814895722
ENSORLG00000002795	mrrp317	mitochondrial ribosomal protein S17 [Source:NCBI gene:Acc101159284]	-4.847055561	1.50218494	6.607078594	0.25832056
ENSORLG00000004007	-	-	11.77026745	13.87572238	3.924250737	1.819213674
ENSORLG00000000931	ube2a	ubiquitin-conjugating enzyme E2 A [Source:NCBI gene:Acc101158022]	-3.438124818	2.957552634	5.749674532	-0.645517655
ENSORLG000000101757	-	-	-0.551698662	1.782070096	5.185643986	2.862368451
ENSORLG00000016425	cow6b2	cytochrome c oxidase subunit VIb polypeptide 2 [Source:ZFIN:Acc:ZDB-GENE-040426-1566]	0.853045833	1.202931958	3.100161655	2.749760545
ENSORLG00000005635	eeflakmt2	EEFLA lysine methyltransferase 2 [Source:NCBI gene:Acc101168144]	-2.476001436	2.91850206	4.82439427	-0.569624386
ENSORLG00000010369	vasna	vasonin a [Source:ZFIN:Acc:ZDB-GENE-050622-43]	0.015335055	2.872715397	3.172788268	0.316393076
ENSORLG00000004486	-	-	10.25542992	14.39966378	5.501806416	1.35804543
ENSORLG00000012749	PSMG4	proteasome assembly chaperone 4 [Source:NCBI gene:Acc101161967]	-1.470861855	0.538801309	3.207057046	1.197878761
ENSORLG00000005841	C18orf32	chromosome 18 open reading frame 32 [Source:HGNC Symbol:Acc:HGNC:31690]	-6.070982275	2.019765498	8.206985912	0.116722805
ENSORLG00000012281	prn1	DNA primase subunit 1 [Source:ZFIN:Acc:ZDB-GENE-990603-6]	-0.999085144	0.632183941	3.033628565	1.402844379
ENSORLG00000004680	glod4	glyoxalase domain containing 4 [Source:ZFIN:Acc:ZDB-GENE-040912-38]	-5.617667491	0.105636974	4.78991174	-0.932908114
ENSORLG00000010302	lmbd1	LMBR1 domain containing 1 [Source:ZFIN:Acc:ZDB-GENE-041212-38]	-2.773771403	0.706724449	3.980636093	0.500625224
ENSORLG00000015136	RANBP1	RAN binding protein 1 [Source:NCBI gene:Acc101155441]	-2.934933334	0.926723088	3.644381316	-0.216790234
ENSORLG0000000243	-	-	-2.364381492	1.747701056	5.044689853	0.933092964
ENSORLG00000011383	coa3a	cytochrome C oxidase assembly factor 3a [Source:ZFIN:Acc:ZDB-GENE-060810-187]	-3.387111035	0.808952363	3.400520672	-0.79505775
ENSORLG000000021634	RF01299	small nucleolar RNA SNORD2 [Source:NCBI gene:Acc111949143]	5.718635616	13.9284351	10.92935521	2.72002741

ENSORLG0000010447	zef3b	cugbp. Elav-like family member 3b [Source:ZFIN;Acc:ZDB-GENE-110408-50]	-0.70658883	1.24441808	3.505144069	1.554651894
ENSORLG0000007712	znptq	N-acetylglucosamine-1-phosphatase transferase gamma subunit [Source:ZFIN;Acc:ZDB-GENE-040625-18]	-7.845821223	1.943314541	8.0268977	-1.761747927
ENSORLG0000001586	lph	LLP homolog, long-term synaptic facilitation factor [Source:NCBI;gene:Acc:101155243]	-6.921206465	0.374877684	6.991446606	-0.304152446
ENSORLG00000017208	sst	Sjogren syndrome antigen B (autoantigen La) [Source:ZFIN;Acc:ZDB-GENE-030131-223]	-5.254284324	0.67864917	5.641611282	-0.290837535
ENSORLG00000006325	usp39	ubiquitin specific peptidase 39 [Source:NCBI;gene:Acc:101161161]	-3.323488914	0.400787331	3.508618651	-0.215174444
ENSORLG00000006428	-	-	-3.202274475	0.947206398	4.608339365	0.459345338
ENSORLG00000016887	-	-	12.61495572	14.31970561	3.15055519	1.448468674
ENSORLG00000011929	-	-	-3.393179296	-0.77265401	3.69817745	1.08364728
ENSORLG00000010497	lysd3	Ly5M, putative peptidoglycan-binding domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-040625-88]	-3.380152139	0.818107177	3.783079966	-0.414694359
ENSORLG00000012275	MRPL51	mitochondrial ribosomal protein L51 [Source:NCBI;gene:Acc:101173004]	-2.837711389	0.75953212	3.737041027	0.140282574
ENSORLG00000012228	bxndc9	thioredoxin domain containing 9 [Source:NCBI;gene:Acc:101166757]	-2.034960074	1.07118929	4.788336104	1.662671498
ENSORLG00000021421	rR00619	UGatac minor spliceosomal RNA [Source:NCBI;gene:Acc:111947485]	-4.683410599	0.817586989	7.167127298	1.666614866
ENSORLG00000004878	ubfd1	ubiquitin family domain containing 1 [Source:NCBI;gene:Acc:101171414]	-4.132480774	0.924475632	6.527780575	1.471308909
ENSORLG00000014031	chnep1r1	CTD nuclear envelope phosphatase 1 regulatory subunit 1 [Source:NCBI;gene:Acc:101165466]	-4.147202646	1.843014307	5.824578965	-0.165153228
ENSORLG00000012821	ctm5	dynactin subunit 5 [Source:NCBI;gene:Acc:101164808]	-2.290208754	0.815749193	4.419255551	1.313962028
ENSORLG00000004347	tas1r2a	Oryzias latipes taste receptor, type 1, member 2a (tas1r2a), mRNA [Source:RefSeq; mRNA:Acc:NM_001104958]	-3.813760597	1.408489676	5.434345672	0.212581537
ENSORLG00000003149	-	-	-2.346426362	-0.257561666	4.263739586	2.175359692
ENSORLG000000013767	-	putative uncharacterized protein DDB_G0292636 [Source:NCBI;gene:Acc:105355509]	-6.256978795	1.029562983	5.686071339	-1.599985495
ENSORLG00000011556	-	-	-3.526109848	0.373396666	4.988453117	1.089431407
ENSORLG00000006323	prkacba	protein kinase cAMP-activated catalytic subunit beta [Source:NCBI;gene:Acc:101180309]	-0.007179718	1.66285217	3.896308376	2.226761122
ENSORLG00000006663	-	uncharacterized LOC101162937 [Source:NCBI;gene:Acc:101162937]	-2.956618666	0.158161087	3.811310471	0.697015552
ENSORLG000000013934	psmd12	proteasome 26S subunit, non-ATPase 12 [Source:ZFIN;Acc:ZDB-GENE-030131-617]	-1.663488784	0.076491133	3.167183256	1.427688422
ENSORLG00000005485	-	-	-5.33544721	1.242242793	6.715244825	0.138040661
ENSORLG00000004120	-	-	-4.124542024	-0.624726061	4.375946662	0.838263328
ENSORLG00000000696	-	-	0.90189598	2.24889497	3.378952414	1.352413526
ENSORLG00000003545	-	cytochrome c oxidase protein 20 homolog [Source:NCBI;gene:Acc:101155137]	-3.230814802	0.894212865	3.79504815	-0.329494272
ENSORLG00000010609	-	-	-5.10257063	0.339314298	4.979418789	0.130331893
ENSORLG000000014870	cep57l1	centrosomal protein 57, like 1 [Source:ZFIN;Acc:ZDB-GENE-040808-27]	-4.109410223	-0.147147099	4.304281727	0.342503319
ENSORLG000000003279	-	-	-0.684935822	1.832777739	4.251670433	1.734442036
ENSORLG00000012635	si.ch211-39k3	si.ch211-39k3.2 [Source:ZFIN;Acc:ZDB-GENE-070705-180]	-3.444104673	0.128475506	4.641199611	1.069104352
ENSORLG000000013102	erh	enhancer of rudimentary homolog (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-090415-57]	-2.547739994	1.878895863	5.140217435	0.714067314
ENSORLG00000003980	surf6	surfactant 6 [Source:ZFIN;Acc:ZDB-GENE-040426-1333]	-2.633101159	-0.04068463	3.62517466	1.03262477
ENSORLG00000010552	smn1	survival of motor neuron 1, telomeric [Source:ZFIN;Acc:ZDB-GENE-090715-16]	-3.28232611	-0.04491632	3.37671887	0.140737098
ENSORLG00000002509	polb	DNA polymerase beta [Source:NCBI;gene:Acc:101171171]	-2.46063483	2.350328424	5.05945036	0.248973153
ENSORLG000000018035	rhov	ras homolog family member V [Source:NCBI;gene:Acc:101188050]	-2.005001399	-0.070410398	3.769865602	1.835779596
ENSORLG00000017561	hnmpa3	heterogeneous nuclear ribonucleoprotein A3 [Source:ZFIN;Acc:ZDB-GENE-060224-11]	-1.594490632	0.936303136	3.396043038	1.40575285
ENSORLG00000009041	-	-	-5.194516478	1.645761961	5.253091615	-1.588701238
ENSORLG00000009352	mindy3	MINDY lysine 48 deubiquitinase 3 [Source:ZFIN;Acc:ZDB-GENE-061110-13]	-3.045780381	0.084161764	4.971539351	1.842082327
ENSORLG00000006237	apix	actinixin [Source:NCBI;gene:Acc:101162025]	-1.437064338	0.996756047	4.214064252	1.790728908
ENSORLG00000005866	gaf2h3	general transcription factor IIF, polypeptide 3 [Source:ZFIN;Acc:ZDB-GENE-040718-302]	-2.926044069	0.608932037	3.254289203	-0.280202252
ENSORLG00000006774	tblcb	tubulin folding cofactor B [Source:ZFIN;Acc:ZDB-GENE-030131-9296]	-5.462229941	1.04610739	7.206284373	0.698362499
ENSORLG000000004869	snarca1a	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfamily a, containing DEAD/H box 1 a [Source:ZFIN;Acc:ZDB-GENE-050622-489]	-0.7626727	0.440127971	3.019005708	1.816690021
ENSORLG000000006176	rtf2	replication termination factor 2 [Source:ZFIN;Acc:ZDB-GENE-030131-4825]	-2.731512875	1.029738572	5.560500007	1.799733577
ENSORLG00000001308	NDCB2	nucleobindin 2 [Source:HGNC;Symbol:Acc:HGNC:80048]	-2.158565476	-0.699224113	3.480239945	2.0233835
ENSORLG000000006425	-	-	-2.315275164	1.99789082	6.780195537	2.477548561
ENSORLG00000014924	h3gal1a	enhophilin A2 [Source:NCBI;gene:Acc:101161753]	-1.267467968	0.364298105	3.271910563	1.640429335
ENSORLG00000007823	cyf5b	cytochrome b5 [Source:NCBI;gene:Acc:101155998]	-3.345407267	0.84491714	4.440764497	0.248505312
ENSORLG00000016806	-	-	0.16093937	0.77073644	3.064363154	2.455050614
ENSORLG000000010887	rs5b	regulator of G protein signaling 5b [Source:ZFIN;Acc:ZDB-GENE-050417-359]	-0.012540795	2.095430581	3.689395169	1.581910077
ENSORLG00000007776	stmate	STM activating enhance [Source:ZFIN;Acc:ZDB-GENE-040426-1198]	-1.134640748	1.021065356	3.676224095	1.521003009
ENSORLG000000004566	-	OTU deubiquitinase, ubiquitin aldehyde binding 2 [Source:NCBI;gene:Acc:101170908]	-0.758144412	2.079226645	4.209143567	1.372257068
ENSORLG000000012430	churc1	churchill domain containing 1 [Source:NCBI;gene:Acc:101169830]	-6.583393728	1.254262871	8.448534211	0.611361421
ENSORLG00000011198	casp8	Oryzias latipes caspase-8 (cas8), mRNA [Source:RefSeq; mRNA:Acc:NM_001104788]	-1.23796628	0.939311691	3.743752903	1.568960101
ENSORLG000000007788	-	mediator complex subunit 26 [Source:NCBI;gene:Acc:101169339]	-3.649263023	0.868435855	5.155182303	0.63806144
ENSORLG000000006871	cuwdc2	CUE domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-030131-6283]	-0.102394548	1.339356252	3.592121709	2.150855516
ENSORLG000000010951	trove2	TROVE domain family, member 2 [Source:ZFIN;Acc:ZDB-GENE-051113-300]	-2.083753402	0.250956014	3.169667458	0.835434002
ENSORLG00000003065	-	-	-5.353101309	0.666844911	4.499040477	-1.520376526
ENSORLG000000008669	s3gal3	ST3 beta-galactosidase alpha 2-3-sialyltransferase 3 [Source:NCBI;gene:Acc:100049527]	-0.41277524	1.210846924	3.35729075	1.734153717
ENSORLG000000010589	ccsd84	coiled-coil domain containing 84 [Source:ZFIN;Acc:ZDB-GENE-080529-1174]	-1.216561229	2.354555709	4.888977603	1.318345584
ENSORLG000000014684	noi12	nucleolar protein 12 [Source:ZFIN;Acc:ZDB-GENE-040426-1035]	-5.603503032	2.384954716	4.305279512	-3.682691849
ENSORLG000000001012	ptg1	pituitary tumor-transforming 1 [Source:NCBI;gene:Acc:101169111]	-8.926557574	0.267358835	8.082143087	-1.111288266
ENSORLG000000012991	lam8a1a	family with sequence similarity 8, member A1a [Source:ZFIN;Acc:ZDB-GENE-141216-66]	-0.702164749	1.019125515	3.573749642	1.852944349
ENSORLG000000014184	atps1b	ATP synthase 1 [Source:NCBI;gene:Acc:101165095]	-2.551898782	-0.381298097	3.057938433	0.887827538
ENSORLG000000003623	birc5a	baculoviral IAP repeat-containing protein 5.2 [Source:NCBI;gene:Acc:101155061]	-1.53243842	0.561356794	3.78497231	1.691662077
ENSORLG000000014347	mecr	mitochondrial trans-2-enoyl-CoA reductase [Source:ZFIN;Acc:ZDB-GENE-050417-389]	-2.865148907	-0.103434854	3.406675133	0.64544623
ENSORLG000000003830	-	gap junction beta-6 protein-like [Source:NCBI;gene:Acc:101165708]	-2.041798556	0.006844919	3.204842709	1.15668357
ENSORLG00000001189	-	-	-0.780873015	1.439462132	4.076938587	1.857088927
ENSORLG000000013826	-	-	-5.462413999	0.779206169	5.494535695	-0.746611732
ENSORLG000000008977	kbp4	FK506 binding protein 4 [Source:ZFIN;Acc:ZDB-GENE-030131-514]	-2.705385271	0.718664536	5.9310236	2.50745887

ENSORLG00000008266	zpc162879	zpc162879 [Source:ZFIN;Acc:ZDB-GENE-070424-92]	-2.286620065	-0.197762284	4.961503193	2.873130319
ENSORLG00000017612	higd1a	HIG1 hypoxia inducible domain family member 1A [Source:ZFIN;Acc:ZDB-GENE-030826-15]	-2.047173215	1.878897945	3.246050936	-0.67953501
ENSORLG00000001806	-	-	-2.854559101	0.714607847	4.405180056	0.836497759
ENSORLG00000002086	-	-	-2.754272533	0.756628619	3.624668105	0.113102036
ENSORLG00000003241	-	-	0.030282911	0.815811154	3.185019177	2.572269331
ENSORLG00000004706	bxndc17	thioredoxin domain containing 17 [Source:NCBI; gene:Acc:101163188]	-4.266105383	2.225371642	5.379858717	-1.11113327
ENSORLG00000000910	cox7c	cytochrome c oxidase, subunit VIIc [Source:ZFIN;Acc:ZDB-GENE-030131-8062]	-3.088681254	1.676525451	5.344236879	0.579278972
ENSORLG00000006329	-	-	-5.07335438	-0.109682769	5.263578455	-0.679607708
ENSORLG000000017679	BRMS1L (1 of 4)	breast cancer metastasis-suppressor 1 like [Source:HGNC; Symbol:Acc:HGNC:20512]	-2.405887235	0.238428258	3.476980416	0.833149874
ENSORLG000000011487	efsa2 (1 of 4)	eukaryotic translation initiation factor 5A-1 [Source:NCBI; gene:Acc:101166426]	-1.240496163	0.464616099	3.215539965	1.510912713
ENSORLG000000016404	-	-	-3.533667894	1.049863835	5.077488094	0.494418888
ENSORLG000000007116	rad18	RAD18 E3 ubiquitin protein ligase [Source:ZFIN;Acc:ZDB-GENE-040426-745]	-3.603209153	-0.0947212	4.293021597	0.7850188
ENSORLG000000012615	yps28	YPS28; ESCRT I subunit [Source:NCBI; gene:Acc:101164188]	-2.360391284	2.213912004	6.240864168	1.667045473
ENSORLG000000016773	-	-	-2.565152027	0.106981741	3.870300049	1.198651748
ENSORLG000000005437	bora	bora, aurora kinase A activator [Source:ZFIN;Acc:ZDB-GENE-041114-165]	-2.625219392	-0.243877485	3.399382552	1.018255558
ENSORLG000000012689	mtorf3	mitochondrial transcription termination factor 3 [Source:ZFIN;Acc:ZDB-GENE-040718-359]	-3.799622676	1.168929142	3.999932225	-0.96807345
ENSORLG000000010947	-	-	-4.407977039	-0.071653983	6.085718245	1.749929731
ENSORLG000000090308	zpc158254	zpc158254 [Source:ZFIN;Acc:ZDB-GENE-070112-2222]	0.540257133	0.613761799	3.004855344	2.93163583
ENSORLG000000004479	mkx	MLK, MAX dimerization protein [Source:ZFIN;Acc:ZDB-GENE-050222-316]	0.914118217	1.991097299	3.701945213	2.625451011
ENSORLG00000007217	In3krp	inositol kinase-3 kinase [Source:NCBI; gene:Acc:101163919]	-2.992084704	0.177037245	4.049163852	0.888652749
ENSORLG00000004759	-	-	-4.650239842	2.735452147	5.833187575	-1.552021315
ENSORLG000000015819	scnm1	sodium channel modifier 1 [Source:ZFIN;Acc:ZDB-GENE-030131-415]	-4.351193756	0.199759794	4.567919399	0.01745041
ENSORLG000000015951	-	-	0.10190785	0.623194701	3.089854455	2.569052397
ENSORLG000000006889	piqp	phosphatidylinositol glycan anchor biosynthesis class P [Source:NCBI; gene:Acc:101157891]	-4.163596122	2.52244235	6.621640556	-0.063900899
ENSORLG000000008289	tmem107	transmembrane protein 107 [Source:ZFIN;Acc:ZDB-GENE-040426-2294]	-2.612411433	0.297827788	4.183011562	1.273302277
ENSORLG00000009202	dic3se4	dic3se4 [Source:ZFIN;Acc:ZDB-GENE-050417-407]	-1.391390819	-0.16324886	3.107761539	1.880104243
ENSORLG000000016304	-	-	-17.36947262	0.790613657	17.89632582	-0.263248981
ENSORLG000000011061	efcab2	EF-hand calcium binding domain 2 [Source:ZFIN;Acc:ZDB-GENE-070521-5]	-5.938839128	1.400538041	8.499299702	1.160407762
ENSORLG000000011222	-	-	-2.812828246	0.857132308	5.054996111	1.385521468
ENSORLG000000005384	arpp19b	cAMP-regulated phosphoprotein 19b [Source:ZFIN;Acc:ZDB-GENE-040426-930]	-0.299999053	0.589942521	3.172830894	2.287374342
ENSORLG000000011798	-	-	-1.390990076	-0.279602893	3.623196138	2.512393919
ENSORLG00000007041	asf1ba	histone chaperone asf1B-8 [Source:NCBI; gene:Acc:101163979]	-4.468171993	-0.018238645	4.970886136	0.521437899
ENSORLG000000016505	itppl1	TATA-box binding protein like 1 [Source:NCBI; gene:Acc:101172784]	0.185378396	1.007980498	3.046596802	2.224475091
ENSORLG00000006641	si:dkey-210j14	si:dkey-210j14.3 [Source:ZFIN;Acc:ZDB-GENE-131121-88]	-3.347788031	0.759175178	3.226654708	-0.873823208
ENSORLG000000008295	bcap29	B cell receptor associated protein 29 [Source:NCBI; gene:Acc:101172971]	-1.270816986	0.865308543	3.964676599	1.829036033
ENSORLG000000008131	zmat5	zinc finger matrin-type 5 [Source:NCBI; gene:Acc:101165408]	-4.094515235	1.169379299	4.78960112	-0.473808431
ENSORLG000000015921	-	-	-5.310208896	0.585487885	5.225797169	-0.669414306
ENSORLG000000002351	cops2	COP9 signalosome subunit 2 [Source:ZFIN;Acc:ZDB-GENE-040625-15]	-6.387802188	2.366900522	8.973516339	0.21929869
ENSORLG000000005638	-	-	-5.643619378	0.078390755	4.544630463	-1.176894614
ENSORLG000000009334	PIN1	peptidylprolyl cis/trans isomerase, NIMA-interacting 1 [Source:HGNC; Symbol:Acc:HGNC:8988]	-1.884128059	-0.046659639	3.400041223	1.563057777
ENSORLG000000012772	ND3	NADH dehydrogenase subunit 3 [Source:NCBI; gene:Acc:8054391]	-1.338170497	1.245086515	5.123848114	2.541077095
ENSORLG000000017886	-	-	-4.121502995	0.139239884	4.599813388	0.343327477
ENSORLG000000010867	-	-	-0.881733471	0.455921502	3.014888859	1.876897056
ENSORLG000000008894	tpst2	tubulin polyglutamylation complex subunit 2 [Source:NCBI; gene:Acc:101166689]	-1.555267561	-0.292292125	3.034167631	1.708676984
ENSORLG000000011305	-	-	-7.277335004	-0.581857077	3.063744349	-3.831248282
ENSORLG000000010099	-	-	-0.276886501	1.886936756	3.280946458	1.121656291
ENSORLG000000009231	MSR81 (1 of 4)	methionine sulfoxide reductase 81 [Source:HGNC; Symbol:Acc:HGNC:14133]	-0.223372153	0.935538863	3.608897545	2.448471437
ENSORLG000000013152	-	-	-1.275045166	0.831431549	3.99914017	1.893148715
ENSORLG000000005653	PRC1	protein regulator of cytokinesis 1 [Source:HGNC; Symbol:Acc:HGNC:3941]	-2.053990198	-0.008157676	3.486516314	1.441168753
ENSORLG000000004972	ctbx3a	chromobox homolog 3a (HP1 gamma homolog, Drosophila) [Source:ZFIN;Acc:ZDB-GENE-030131-1158]	-1.993785685	0.26116031	4.047655608	1.793194434
ENSORLG000000014395	-	-	-5.798202634	0.546199644	6.983896419	0.63997958
ENSORLG000000008743	-	-	-1.805620382	-0.120849505	3.379148188	1.694962013
ENSORLG000000009030	rab6a	RAB6A, member RAS oncogene family [Source:NCBI; gene:Acc:101163015]	-0.374204806	1.263847948	3.219256115	1.581688414
ENSORLG000000015773	apm1aa	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1Aa [Source:ZFIN;Acc:ZDB-GENE-991102-15]	-1.049434887	1.07709902	3.281244889	1.155198845
ENSORLG000000011795	HIST1H4D	histone H4 [Source:NCBI; gene:Acc:101170364]	2.61931013	3.483685858	3.604254377	2.740363372
ENSORLG000000005753	rik	ribokinase kinase [Source:ZFIN;Acc:ZDB-GENE-081104-321]	-2.394300398	0.869322689	3.904847361	0.641709033
ENSORLG000000021536	Rf00443	small nucleolar RNA, H/ACA box 27 [Source:HGNC; Symbol:Acc:HGNC:32617]	-8.57561382	1.326298027	12.65252786	2.751105745
ENSORLG0000000013085	djpr6	DiGeorge syndrome critical region gene 6 [Source:ZFIN;Acc:ZDB-GENE-040912-125]	-6.418017847	2.472987565	8.036283882	-0.852234355
ENSORLG000000011850	maseh2b	methylase H2, subunit B [Source:ZFIN;Acc:ZDB-GENE-040426-1090]	-1.917915773	0.097788897	3.773666572	1.758446547
ENSORLG000000005873	RFESD (1 of 4)	Rieske Fe-S domain containing [Source:HGNC; Symbol:Acc:HGNC:29567]	-2.068264851	0.082938787	4.338899921	2.186181068
ENSORLG000000005429	nae1	neuraminidase E1 subunit 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1552]	-2.051021888	0.39873815	3.821757403	1.3724824
ENSORLG000000001867	pdcd11	PDZ domain containing 11 [Source:ZFIN;Acc:ZDB-GENE-040426-2544]	-1.309979446	-0.160839547	3.412795157	2.264140033
ENSORLG0000000002285	snap29	synaptosomal-associated protein 29 [Source:ZFIN;Acc:ZDB-GENE-041111-226]	-1.590476203	0.434006819	3.17128231	1.687284248
ENSORLG000000013500	mrpl42	mitochondrial ribosomal protein L42 [Source:ZFIN;Acc:ZDB-GENE-101014-1]	-7.249400904	-0.728804617	5.830011071	-0.690100055
ENSORLG000000013567	-	-	-0.833955622	1.327681446	4.033352705	1.872008286
ENSORLG000000007506	tpag11	dolichyl phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminophosphotransferase 1 (GlcNAc-1-P transferase) [Source:ZFIN;Acc:ZDB-GENE-060526-181]	-2.894124831	-0.737082444	3.518498085	1.361940457
ENSORLG000000000276	-	-	-0.470308988	0.970104834	3.711982117	2.22026312
ENSORLG000000009641	zpc171566	zpc171566 [Source:ZFIN;Acc:ZDB-GENE-050309-193]	-5.249898963	0.838713808	6.326024533	0.238878599
ENSORLG000000010044	-	-	-0.230604253	2.619850268	4.255999426	1.406029916
ENSORLG000000000961	skp1	S-phase kinase associated protein 1 [Source:NCBI; gene:Acc:101175667]	-2.697687497	0.031748491	4.269075822	1.540124802
ENSORLG000000012239	nek2	NIMA-related kinase 2 [Source:ZFIN;Acc:ZDB-GENE-040426-752]	-2.114506173	0.259459727	4.113101443	1.739620525
ENSORLG000000002415	-	-	-1.347920524	2.281368064	3.018889411	-0.609913497

ENSORLG00000021323	RF00026	U6 scilicosomal RNA [Source:NCBI]	5.797901288	7.69686026	4.273424507	2.374988824
ENSORLG00000002575	casp9	caspace 9, apoptosis-related cysteine peptidase [Source:ZFIN;Acc:ZDB-GENE-030825-5]	-2.062289205	0.068001997	3.028742799	0.899936285
ENSORLG00000000166	-	-	-2.552939471	-0.540080631	3.837207112	1.82483961
ENSORLG00000004394	rab34a	RAB34, member RAS oncogene family a [Source:ZFIN;Acc:ZDB-GENE-041010-197]	-0.5439456	0.331252239	3.011087061	2.325374276
ENSORLG000000014310	medi10	mediator complex subunit 10 [Source:NCBI gene:Acc:101158263]	-2.281949197	0.670602643	3.434200679	0.482133561
ENSORLG000000007844	uchl1	ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase) [Source:ZFIN;Acc:ZDB-GENE-0301131-3844]	-4.34847434	0.109578916	3.066396865	-1.391199656
ENSORLG00000005718	-	-	-2.314172503	0.911596049	3.542072932	0.316789844
ENSORLG000000017573	hxn1	nucleoredox like 1 [Source:ZFIN;Acc:ZDB-GENE-070424-115]	-11.21231398	3.337042525	16.52332144	1.974365165
ENSORLG00000008157	psmd6	proteasome 26S subunit, non-ATPase 6 [Source:NCBI gene:Acc:101172070]	-2.460725997	-0.407062091	3.61849877	1.565318061
ENSORLG00000006872	zgc-56095	ferritin, heavy subunit [Source:NCBI]	-3.482325621	1.658484438	3.674133819	-1.46619142
ENSORLG00000000872	-	-	0.149172625	2.12331033	3.597595495	1.623947607
ENSORLG000000016225	eroc1	excision repair cross-complementation group 1 [Source:ZFIN;Acc:ZDB-GENE-040426-2806]	-5.055938166	1.11616255	6.547252072	0.376366256
ENSORLG000000003582	medi3a	mediator complex subunit 19 [Source:NCBI gene:Acc:101157547]	-1.989216638	-0.25686174	3.106801039	1.374931222
ENSORLG00000004389	sod1	superoxide dismutase 1 [Source:NCBI gene:Acc:101170534]	-0.813356796	0.597185094	3.05041375	1.640356693
ENSORLG00000007204	arl16	ADP ribosylation factor like G1Pase 16 [Source:NCBI gene:Acc:101169134]	-6.156613057	1.022191395	7.729515241	0.552193257
ENSORLG00000006904	rexo4	REX4 homolog, 3'-5' exonuclease [Source:ZFIN;Acc:ZDB-GENE-050411-124]	-2.42781633	0.202556535	3.064666577	0.434778358
ENSORLG000000010034	ear2	ELL-associated factor 2 [Source:NCBI gene:Acc:101154988]	-1.064030334	0.081229994	3.246245852	2.101470364
ENSORLG00000006992	-	-	-3.338313368	-0.182366788	3.269959224	0.114500301
ENSORLG000000014026	tusc3	tumor suppressor candidate 3 [Source:NCBI gene:Acc:101168184]	-3.317643446	0.515058163	4.600234194	0.768017248
ENSORLG000000009817	slc50a1	solute carrier family 50 (sugar efflux transporter), member 1 [Source:ZFIN;Acc:ZDB-GENE-050220-111]	0.469415031	1.371616459	3.060504836	2.158788405
ENSORLG00000006244	elf3b	eukaryotic translation initiation factor 3, subunit B [Source:ZFIN;Acc:ZDB-GENE-040426-2900]	-3.866582526	0.895546973	4.91915607	0.158441399
ENSORLG000000016539	ttf5	tubulin tyrosine ligase-like family, member 5 [Source:ZFIN;Acc:ZDB-GENE-100922-288]	-2.419315087	-0.272088236	3.159576471	1.012834755
ENSORLG000000034049	AP3S1	adaptor related protein complex 3 subunit sigma 1 [Source:NCBI gene:Acc:101158362]	-2.034859864	1.520430979	3.422560369	-0.132245794
ENSORLG000000010665	ps19bp1	ribosomal protein S19 binding protein 1 [Source:NCBI gene:Acc:101172879]	-2.207905446	0.630132114	3.281904276	0.444351682
ENSORLG00000009347	-	-	-3.781728324	0.769487901	5.414181782	0.863453853
ENSORLG00000006615	-	-	-4.148138985	0.751638965	4.816583865	-0.021732751
ENSORLG000000008817	-	-	-3.154102839	1.830482022	6.451401847	1.467302767
ENSORLG000000016436	h3hgr2	SH3 domain binding glutamate-rich protein like 2 [Source:ZFIN;Acc:ZDB-GENE-040704-38]	-2.478744847	1.151635273	3.693485991	0.063591564
ENSORLG00000009337	UBL5	ubiquitin like 5 [Source:HGNC;Symbol:Acc:HGNC:13738]	-4.788578985	1.229220539	6.312676767	0.295362337
ENSORLG000000057930	MME	membrane metalloendopeptidase [Source:HGNC;Symbol:Acc:HGNC:7154]	-6.419057143	-0.395196817	3.027981449	-2.99539399
ENSORLG000000008529	znf280d	zinc finger protein 280D [Source:ZFIN;Acc:ZDB-GENE-030131-2260]	-1.62017949	0.298745056	3.148974175	1.230534348
ENSORLG000000014824	mmps10	mitochondrial ribosomal protein S10 [Source:ZFIN;Acc:ZDB-GENE-040914-39]	-3.887032886	0.730902918	5.012004185	0.394553458
ENSORLG000000017525	hsp90aa1.1	heat shock protein HSP 90-alpha 1 [Source:NCBI gene:Acc:101169258]	-1.813166676	0.617346302	3.307216785	0.877188192
ENSORLG00000002097	-	-	-2.780813613	1.991284497	6.80859187	2.03697944
ENSORLG00000001862	-	-	-0.62385852	1.888816978	3.221360197	0.79907215
ENSORLG00000000484	-	-	-1.849347196	0.84947222	4.04032301	3.52971847
ENSORLG00000005351	-	-	-1.748984214	-0.251423444	16.14214954	-0.104289650
ENSORLG000000015326	ker1a	keratocan [Source:ZFIN;Acc:ZDB-GENE-041210-165]	-0.147468781	2.032865748	4.991857243	2.812005513
ENSORLG000000008750	stk19	serine/threonine kinase 19 [Source:ZFIN;Acc:ZDB-GENE-000616-11]	-2.603396666	0.915854851	5.058274896	1.539500688
ENSORLG000000012253	si.ch211-22.13	pre-mRNA-splicing factor CWC22 homolog [Source:NCBI gene:Acc:101168832]	-3.973921999	1.094976555	4.19665809	-0.871755535
ENSORLG000000013915	brdt	bromodomain, testis-specific [Source:ZFIN;Acc:ZDB-GENE-030131-5928]	-2.040165992	0.475984277	4.351843939	1.83617838
ENSORLG000000003918	slc35d2	solute carrier family 35 (UDP-GlcNAc/UDP-glucose transporter), member D2 [Source:ZFIN;Acc:ZDB-GENE-080125-1]	-1.541002145	0.527310329	4.2232102	2.155382717
ENSORLG000000012406	-	-	0	13.71371837	15.61639808	1.903152842
ENSORLG000000021531	RF00089	small nucleolar RNA SNORD31 [Source:NCBI gene:Acc:11946359]	-13.78312921	2.712440177	16.40599203	-0.089087474
ENSORLG000000013031	-	-	-3.858668406	-0.053805004	6.003865365	2.199491341
ENSORLG000000008087	brd9	bromodomain containing 9 [Source:ZFIN;Acc:ZDB-GENE-060502-1]	-1.82440241	0.157685395	3.855593564	1.873453007
ENSORLG000000069888	-	-	-3.540274693	0.993817563	4.261471502	-0.272134342
ENSORLG00000008049	casp3a	caspace 3B [Source:NCBI gene:Acc:100049265]	-1.573446205	0.816564769	3.085356541	0.695353045
ENSORLG00000004016	-	-	-9.73485882	5.44370707	17.11039978	1.933303075
ENSORLG000000010111	plod2	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2 [Source:ZFIN;Acc:ZDB-GENE-070326-1]	-0.714223597	2.923851162	3.002590543	-0.635000766
ENSORLG000000001671	kcd1	KCD motif containing 1 [Source:NCBI gene:Acc:101163467]	-3.509159107	0.460656443	4.299631773	0.330300973
ENSORLG000000011097	supt4h1	SPT4 homolog, DSIF elongation factor subunit [Source:NCBI gene:Acc:101165335]	-5.089388494	0.450240917	7.347587214	1.808442628
ENSORLG000000007575	bxn	threosulfonamide [Source:NCBI gene:Acc:101173415]	-2.794915904	1.178432581	5.263849121	0.713820861
ENSORLG00000006183	-	-	0.304727292	1.507311219	3.886447664	2.684047684
ENSORLG000000012507	carntm1	carnosine N-methyltransferase 1 [Source:NCBI gene:Acc:101159445]	-4.560403638	0.768351476	3.942107494	-1.386163421
ENSORLG000000013156	-	-	-6.203693825	0.284532828	3.52407759	-2.963662365
ENSORLG000000015666	rheb1	GTP-binding protein Rheb [Source:NCBI gene:Acc:101166653]	-0.956076286	0.911735977	3.1291136	1.261786304
ENSORLG000000013684	zgc-92287	zgc-92287 [Source:ZFIN;Acc:ZDB-GENE-040718-350]	-7.823155989	0.811493647	4.699039797	-3.935070769
ENSORLG000000007422	-	-	-3.168750043	-0.748545545	3.240618288	0.820893144
ENSORLG000000009608	-	-	-1.820389779	1.268683026	3.636707589	0.558589791
ENSORLG000000009989	-	-	-0.33462297	2.574675049	4.11951121	1.810688222
ENSORLG000000080222	-	-	-6.167208437	1.148819143	6.669181416	-0.646356035
ENSORLG00000008042	-	-	-2.940826036	-0.271120717	3.007160918	0.338545421
ENSORLG00000004793	-	-	-3.002115442	0.109692624	4.271769317	1.186268065
ENSORLG00000007057	nsa10	N(alpha)-acetyltransferase 10, NAta catalytic subunit [Source:NCBI gene:Acc:101165304]	-1.830488013	0.454048724	3.539776975	1.255725234
ENSORLG000000009535	-	-	-7.588637543	0.684817012	4.545603978	-3.727370268
ENSORLG000000003718	tusc2a	tumor suppressor 2, mitochondrial calcium regulator [Source:NCBI gene:Acc:101169352]	-3.584942537	-0.535509032	4.066739636	1.011791611
ENSORLG000000015096	-	-	-2.915515358	0.635813311	4.398813025	0.847907401
ENSORLG000000009179	fucm	fucose mutarotase [Source:NCBI gene:Acc:101170455]	-18.57850375	-0.607762923	17.91127869	1.941028022
ENSORLG000000006166	elp5	elongator acetyltransferase complex subunit 5 [Source:ZFIN;Acc:ZDB-GENE-061215-33]	-4.662021904	0.253598502	4.622404292	-0.292731319
ENSORLG000000003200	atpaf2	ATP synthase mitochondrial F1 complex assembly factor 2 [Source:NCBI gene:Acc:101173178]	-3.059820767	0.461675223	3.69629266	0.175281668
ENSORLG000000006638	pgfs	6-phosphogluconolactonase [Source:NCBI gene:Acc:101169968]	-1.648804237	0.613858148	4.24083161	1.978653801
ENSORLG000000006912	ap2s1	adaptor-related protein complex 2, sigma 1 subunit [Source:ZFIN;Acc:ZDB-GENE-040426-2174]	-3.848475918	1.293853013	6.135862082	0.994017851

ENSRORG0000011191	hirp3	HIRA interacting protein 3 [Source:ZFIN;Acc:ZDB-GENE-030131-5753]	-4.539177179	0.539036011	5.170444298	0.09271541
ENSRORG0000011413	vps25	vesicular protein sorting 25 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-050506-30]	-1.625246529	0.348416748	3.167335966	1.194157528
ENSRORG0000000887	trnsf2	transmembrane 6 superfamily member 2 [Source:ZFIN;Acc:ZDB-GENE-060503-338]	-0.536071716	4.348806184	6.637641801	1.7523254738
ENSRORG00000015648	arfgap1	ADP-ribosylation factor GTPase activating protein 1 [Source:ZFIN;Acc:ZDB-GENE-041114-130]	-3.142125568	0.89863613	4.983848234	0.952317553
ENSRORG00000003354	zsmtd5	proteasome 26S subunit, non-ATPase 5 [Source:ZFIN;Acc:ZDB-GENE-050417-28]	-3.921236809	0.9735476	3.96876611	-0.925531935
ENSRORG00000005294	zsmtd5	proteasome 26S subunit, non-ATPase 5 [Source:ZFIN;Acc:ZDB-GENE-050417-28]	-1.300154822	0.668536528	3.092170803	1.123964389
ENSRORG0000001332	si:dkv-147f3	si:dkv-147f3 [Source:ZFIN;Acc:ZDB-GENE-061009-081009]	-3.254135271	0.657387689	4.136963748	0.220480603
ENSRORG00000013772	si:dkv-147f3	si:dkv-147f3 [Source:ZFIN;Acc:ZDB-GENE-061009-081009]	-3.470286951	1.415449751	5.498164639	0.35391095
ENSRORG00000007424	thg1l1	tRNA-histidine guanylyltransferase 1-like [Source:ZFIN;Acc:ZDB-GENE-041114-170]	-3.731345236	0.499000394	3.739887886	-0.499927824
ENSRORG00000007890	-	-	-2.610167775	-	0.92788378	3.188102338
ENSRORG00000004465	zsmc3p	PSMC3 interacting protein [Source:ZFIN;Acc:ZDB-GENE-040625-125]	-1.293760615	0.722603492	4.089695498	2.072816284
ENSRORG0000010604	ofdnf6	orfoclin subunit 6 [Source:NCBI;gene:Acc:101164323]	-1.824248561	1.397115018	3.851855301	0.630979002
ENSRORG0000015117	odegpl1	O-sialoglycoprotein endopeptidase-like 1 [Source:ZFIN;Acc:ZDB-GENE-030616-532]	-2.889794924	0.526372569	3.163257473	-0.252424963
ENSRORG0000001338	zgc:103892	zgc:103892 [Source:ZFIN;Acc:ZDB-GENE-041010-151]	-3.911043664	1.102416154	5.371324593	0.358349709
ENSRORG00000017350	-	-	-2.699199384	0.040796332	3.964936382	1.31542533
ENSRORG00000008661	rik2	RIK kinase 2 (yeast) [Source:ZFIN;Acc:ZDB-GENE-040426-2913]	-2.311400517	-0.09387115	3.197002899	0.979958486
ENSRORG00000009431	nmnd1	meiotic nuclear divisions 1 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040801-116]	-1.855631355	-0.017660508	4.054650159	2.217164173
ENSRORG00000017529	rsrp1	arginine and serine rich protein 1 [Source:NCBI;gene:Acc:101160860]	-2.016529964	-0.028350562	3.235608078	1.247913618
ENSRORG00000002741	-	-	-1.928367595	1.045628495	3.042870958	0.069359643
ENSRORG00000010115	rab23	RAB23, member RAS oncogene family [Source:NCBI;gene:Acc:1011555630]	0.261994434	0.560900718	3.026866602	2.728445078
ENSRORG00000007723	tsr3	TSK3, tskp transferase ribosome maturation factor [Source:NCBI;gene:Acc:101166503]	-3.906482057	1.887357303	4.191627303	-1.601727362
ENSRORG00000008321	-	-	-3.142315641	2.034647643	4.719778865	-0.456699338
ENSRORG00000001864	-	-	-6.543958181	0.494851947	7.396282444	0.357962378
ENSRORG00000013648	magoh	protein mago nashi homolog [Source:NCBI;gene:Acc:101167611]	-2.547214836	0.946961512	4.428092747	0.93440126
ENSRORG00000004553	chordc1b	cysteine and histidine-rich domain (CHORD) containing 1b [Source:ZFIN;Acc:ZDB-GENE-040416-1288]	-3.391809747	0.322764658	5.361937338	1.647848113
ENSRORG00000000982	apip	APAF1 interacting protein [Source:NCBI;gene:Acc:101160223]	-2.245377647	0.13074817	3.300528192	0.924887258
ENSRORG00000008290	cutc	cutc copper transporter [Source:NCBI;gene:Acc:101163753]	-1.499990402	0.446825926	4.089992433	2.143660927
ENSRORG00000007724	-	-	-3.391816322	-0.359475041	5.12008328	2.088227255
ENSRORG00000015258	zgc:56699	gametocyte-specific factor 1 [Source:NCBI;gene:Acc:101173193]	-5.279353882	0.728933656	5.757707676	-0.250094941
ENSRORG00000014486	-	-	-3.207384895	-0.697119764	3.763554511	1.253774631
ENSRORG00000016544	lam131a	family with sequence similarity 131, member A [Source:ZFIN;Acc:ZDB-GENE-080204-112]	-5.807866588	-0.173035322	3.688779281	-1.945657552
ENSRORG00000001004	ndufa1	NDUFA1, NADH dehydrogenase complex subunit 1 [Source:ZFIN;Acc:ZDB-GENE-040625-040625]	-1.449903785	0.684999607	3.780516719	1.646098179
ENSRORG00000014337	LGALS2	galactose 2 [Source:HGNC;Symbol:Acc:HGNC:6582]	-15.83745382	1.684078766	16.4681002	-1.194168871
ENSRORG00000007711	DPY19L4	dpv-19 like 4 [Source:HGNC;Symbol:Acc:HGNC:27829]	-0.70023376	0.4318484	3.49971325	2.358320217
ENSRORG00000007862	trmt10b	tRNA methyltransferase 10B [Source:ZFIN;Acc:ZDB-GENE-061013-313]	-2.281332464	1.054905761	3.110894388	-0.224858685
ENSRORG00000015882	si:ch211-1650	si:ch211-1650 [Source:ZFIN;Acc:ZDB-GENE-131121-61]	-1.574115913	-0.310340621	3.086850236	1.823560224
ENSRORG00000000871	plra4a	glycine receptor, alpha 4a [Source:ZFIN;Acc:ZDB-GENE-010410-3]	1.157390098	1.665573183	3.246160504	2.73846379
ENSRORG00000008002	-	-	-1.728401126	1.066451508	4.867712314	2.07534273
ENSRORG00000010263	swi5	SWI5 homologous recombination repair protein [Source:NCBI;gene:Acc:101158369]	-4.470470059	2.252596799	5.584512899	-1.138068619
ENSRORG000000010780	si:zfos-169g1d	protein CutA homolog [Source:NCBI;gene:Acc:101174485]	-2.191584317	1.245982815	5.246334451	1.809251982
ENSRORG00000016092	pfufut2	protein O-fucosyltransferase 2 [Source:ZFIN;Acc:ZDB-GENE-030131-3595]	-0.874332737	-0.088445222	3.035667388	2.250164913
ENSRORG00000009672	si:zfos-911b5	si:zfos-911b5 [Source:ZFIN;Acc:ZDB-GENE-130603-130603]	-1.829463248	0.704073168	3.003380742	0.467329064
ENSRORG00000013562	-	-	-2.649471733	-0.321111949	3.836319063	1.508413904
ENSRORG00000009124	semp5	SUMO specific peptidase 5 [Source:ZFIN;Acc:ZDB-GENE-050208-772]	-1.992694347	0.683117624	3.37828507	0.702957826
ENSRORG00000008457	sgk3	serum/glucocorticoid regulated kinase family, member 3 [Source:ZFIN;Acc:ZDB-GENE-070424-49]	0.38014554	1.965434783	4.082044774	2.497240611
ENSRORG00000007850	-	-	-15.0470634	1.801582407	15.81331023	-1.134845527
ENSRORG00000009884	cznh	cyclin H [Source:NCBI;gene:Acc:101159751]	-2.778912201	1.08096235	3.452874501	-0.406515011
ENSRORG00000009928	nmmp1	inner mitochondrial membrane peptidase subunit 1 [Source:ZFIN;Acc:ZDB-GENE-070522-4]	-2.99544814	0.661749489	4.78316338	1.126393452
ENSRORG00000004362	mis18a	MIS18 kinetochore protein A [Source:NCBI;gene:Acc:10110115]	-1.295483368	0.282301769	4.424758927	2.6702889
ENSRORG00000002032	fbpa	fibroblast growth factor (acidic) intracellular binding protein a [Source:ZFIN;Acc:ZDB-GENE-040426-1363]	-1.544965109	0.69983602	3.297065907	1.052702213
ENSRORG00000014778	-	-	-0.763111889	1.215610491	3.597942354	1.619704886
ENSRORG00000004354	HAUS1	HAUS augmin like complex subunit 1 [Source:NCBI;gene:Acc:101168876]	-3.89919474	0.51270437	4.88430777	0.472893515
ENSRORG00000007932	trn2	reticulocalbin 2 [Source:ZFIN;Acc:ZDB-GENE-050706-050706]	-6.15271044	0.24684493	5.682582825	-0.716487649
ENSRORG00000009765	bczp	BRC2 and CDKN1A interacting protein [Source:NCBI;gene:Acc:101165354]	-3.062515696	0.334576723	4.414084693	1.017477397
ENSRORG00000003851	-	-	-5.02829826	0.753413936	5.495717446	-0.285508858
ENSRORG00000002724	ctd45	CDC45 cell division cycle 45 homolog (S. cerevisiae) [Source:ZFIN;Acc:ZDB-GENE-040426-2710]	-2.779765221	-0.409529155	3.334118975	0.964367749
ENSRORG00000013879	yeats4	YEATS domain containing 4 [Source:NCBI;gene:Acc:101163215]	-4.670549279	1.559138018	5.068701047	-1.142500974
ENSRORG00000010467	si:ch211-284b	chromosome 17 Clorf123 homolog [Source:NCBI;gene:Acc:101155068]	-1.421422674	0.670646386	3.08945304	0.997869077
ENSRORG00000004351	gp:slp1	GRAP1 motifs containing 1 [Source:ZFIN;Acc:ZDB-GENE-040801-212]	1.27786641	2.512784456	3.604173853	2.36974078
ENSRORG00000009826	-	-	-1.73241617	0.963719811	3.957988244	1.272851875
ENSRORG00000006305	-	-	0.68929152	2.38407399	3.543649413	1.84895402
ENSRORG00000010271	lctn8b	potassium channel tetramerization domain containing 6 [Source:NCBI;gene:Acc:101166793]	-2.162039043	0.28891062	3.487485333	1.037120717
ENSRORG00000008828	DDA1	DDA1 and DDB1 associated 1 [Source:NCBI;gene:Acc:101171286]	-2.746647713	0.809118895	4.202852471	0.647570722
ENSRORG00000009402	poc5	POC5 centriolar protein homolog (Chlamydomonas) [Source:ZFIN;Acc:ZDB-GENE-060926-135]	-3.043193217	-0.162596546	3.633841673	0.753729927
ENSRORG00000015185	tango2	transport and gapa organization 2 homolog [Source:NCBI;gene:Acc:101156177]	-3.544662166	0.907276645	4.969453076	0.517999101
ENSRORG00000008700	kif5a	kinesin family member 3A [Source:ZFIN;Acc:ZDB-GENE-050417-71]	-0.68968781	-0.030050837	3.566535163	2.907858544
ENSRORG00000014309	ipa2	rediplication protein A2 [Source:NCBI;gene:Acc:101166793]	-1.45930368	0.308469819	3.458429903	1.691141456
ENSRORG00000016483	-	-	-2.032873629	-0.627413836	3.047024618	1.642059796
ENSRORG00000017156	-	-	-8.86549694	5.81354937	15.8745469	1.158597463
ENSRORG00000004679	-	-	-1.706428613	1.682618316	3.838011959	0.448511676
ENSRORG00000012642	lsm1	LSM1 homolog, mRNA degradation associated [Source:NCBI;gene:Acc:101156502]	-8.854368753	1.005387662	5.297553475	-4.561717824

ENSRGLG0000009440	pdrg1	p53 and DNA-damage regulated 1 [Source:ZFIN;Acc:ZDB-GENE-050417-276]	-3.622963006	1.337712167	4.996581425	0.036391326
ENSRGLG0000005610	chst15	carboxylate (N-acetyl)glucosamine 4-sulfate 6-O-sulfotransferase 15 [Source:ZFIN;Acc:ZDB-GENE-131127-327]	-0.256271973	2.755527025	4.618465489	1.607152571
ENSRGLG0000006438	lin37	lin-37 DREAM-MuvB core complex component [Source:ZFIN;Acc:ZDB-GENE-050417-446]	-0.180759979	0.503123245	3.307445544	2.624047291
ENSRGLG0000009577	cenpn	centromere protein N [Source:ZFIN;Acc:ZDB-GENE-030616-408]	-3.135671935	0.728496861	3.765661316	-0.098124321
ENSRGLG0000007573	zgc:112148	Gold-1 apparatus membrane protein TP23 homolog B [Source:NCBI gene:Acc:101169291]	-1.702391652	1.003262687	4.557165174	1.851995578
ENSRGLG0000005380	zgc:165532	zgc:165532 [Source:ZFIN;Acc:ZDB-GENE-050417-213]	-1.993978416	1.430391763	4.636606035	1.212720637
ENSRGLG00000012834	gmn	geminin, DNA replication inhibitor [Source:ZFIN;Acc:ZDB-GENE-030429-30]	-3.151862289	1.260544731	3.59310441	-0.818817546
ENSRGLG0000006192	-	glutathione S-transferase omega-1 [Source:NCBI gene:Acc:101171103]	-3.66158352	1.529315321	7.254204038	2.063790421
ENSRGLG0000001118	mctsl	MCTSL, re-initiation and release factor [Source:NCBI gene:Acc:101161648]	-6.218389631	2.238739898	7.687541888	-0.769156762
ENSRGLG0000001018	-	-	-0.309996621	2.0084688	6.674815899	1.314454217
ENSRGLG0000005300	-	-	-5.25535499	-2.209068204	3.215887159	-0.300115382
ENSRGLG0000009642	-	-	1.18146338	2.679217222	4.131689854	2.734424049
ENSRGLG0000003303	sent9b	sentin 9b [Source:ZFIN;Acc:ZDB-GENE-050327-17]	-0.412724985	0.264037018	3.147352613	2.471074519
ENSRGLG0000002932	saln3	SALR antitoxin binding domain containing 3 [Source:ZFIN;Acc:ZDB-GENE-061103-415]	-2.57592458	1.006473252	3.997489042	0.415907892
ENSRGLG00000021510	Rf00322	small nucleolar RNA SNORA31 [Source:NCBI gene:Acc:11947250]	-3.405478756	2.60043889	7.314498641	1.309070345
ENSRGLG00000015671	-	dyxactin subunit 3 [Source:NCBI gene:Acc:101164183]	-0.868269045	0.97235344	3.200760756	1.36062308
ENSRGLG00000013026	slc25a17	solute carrier family 25 (mitochondrial carrier; peroxisomal membrane protein), member 17 [Source:ZFIN;Acc:ZDB-GENE-070620-4]	-1.771554885	0.840085764	3.47301788	0.861862103
ENSRGLG00000013278	snrpd2	small nuclear ribonucleoprotein D2 polypeptide [Source:NCBI gene:Acc:101158296]	-2.11870364	1.885802504	3.968432522	-0.035588817
ENSRGLG00000011936	-	-	0.015797766	2.037550045	3.291544071	1.27027478
ENSRGLG00000009782	gdb8a	glucose-induced degradation protein 8 homolog [Source:NCBI gene:Acc:101165057]	-3.35283375	0.399360818	4.816833099	1.065123771
ENSRGLG00000007571	-	-	-4.460205864	0.474881878	5.446120612	0.511518142
ENSRGLG00000006150	thtpa	thiamine triphosphatase [Source:ZFIN;Acc:ZDB-GENE-070502-2]	-2.022865986	0.712552196	3.307056365	0.57210259
ENSRGLG0000007565	WASHC2C	WASH complex subunit 2C [Source:HGNC Symbol;Acc:HGNC:23414]	-1.366083162	0.085243667	3.125079868	1.674237788
ENSRGLG0000003464	lam206a	family with sequence similarity 206 member A [Source:NCBI gene:Acc:101176501]	-5.351184457	0.66830423	4.18201464	-1.836988739
ENSRGLG00000008096	sam1	sterile alpha and TIR motif containing 1 [Source:ZFIN;Acc:ZDB-GENE-040719-1]	-1.655598808	-0.540119946	3.543257007	2.428265253
ENSRGLG00000015806	zgc:101564	family with sequence similarity 72 member A [Source:NCBI gene:Acc:101185016]	-0.450103265	0.658943631	3.547038891	2.438447832
ENSRGLG00000008916	capza1b	F-actin-capping protein subunit alpha-1 [Source:NCBI gene:Acc:101159261]	-2.246926619	0.787331463	4.002955329	0.969182522
ENSRGLG0000004759	-	-	-0.358114672	2.209158112	4.698437116	2.131851089
ENSRGLG00000055229	-	-	-4.422765183	0.352656186	3.838023692	-0.936912587
ENSRGLG0000001070	zgc:56596	ubiquitin like 4A [Source:NCBI gene:Acc:101168961]	-2.262844441	1.123070753	3.220115512	-0.162754761
ENSRGLG00000016534	-	-	0.14252945	0.96641747	2.08641174	-0.059311754
ENSRGLG00000011318	-	-	-1.591036294	0.050058684	3.687425248	2.048814215
ENSRGLG00000009914	-	-	-3.359277246	1.93699342	4.560005138	-0.735776131
ENSRGLG00000014702	utp11l	UTP11, small subunit processome component [Source:NCBI gene:Acc:101174775]	-6.293357296	2.245595038	6.296004755	-2.242467707
ENSRGLG00000021774	ND4L	NADH dehydrogenase subunit 4L [Source:NCBI gene:Acc:805424]	-10.90899308	1.179089371	13.61277465	1.525245107
ENSRGLG00000009887	zgc:153240.1	zgc:153240 [Source:ZFIN;Acc:ZDB-GENE-060825-218]	-2.047460065	0.126590699	3.027527572	0.853961968
ENSRGLG0000002638	dut	deoxyuridine triphosphatase [Source:NCBI gene:Acc:101171897]	-0.846442551	0.236113997	3.57029478	2.492957911
ENSRGLG00000004735	-	-	-1.361292615	0.965766247	3.310032663	0.983458478
ENSRGLG00000015214	nemp1	nuclear envelope integral membrane protein 1 [Source:ZFIN;Acc:ZDB-GENE-090313-182]	-1.989534404	0.449657719	3.438717466	1.000010553
ENSRGLG00000013756	-	cell division control protein 42 homolog [Source:NCBI gene:Acc:101164400]	-2.476864585	0.535688171	3.240320155	0.22825214
ENSRGLG00000003947	aaed1	AhpC75A antioxidant enzyme domain containing 1 [Source:NCBI gene:Acc:101163271]	-0.821750391	2.057405816	3.425608434	0.546938085
ENSRGLG00000003792	-	vesicle transport protein GOT1B [Source:NCBI gene:Acc:101162835]	-0.854670843	1.42586282	3.99774311	1.617694598
ENSRGLG00000005936	kif18a	kinesin family member 18A [Source:ZFIN;Acc:ZDB-GENE-040426-882]	-2.039629202	-0.455924144	3.195291578	1.612071306
ENSRGLG00000007765	sat2b	damine acetyltransferase 2 [Source:NCBI gene:Acc:101174286]	-3.296000119	-0.424552389	4.231018517	1.36005591
ENSRGLG00000001167	-	-	1.888908178	6.280508182	6.223398865	1.832299306
ENSRGLG00000007273	ankrd13a	ankyrin repeat domain 13A [Source:ZFIN;Acc:ZDB-GENE-030131-1833]	-0.947277471	0.080171249	3.37782482	2.350818726
ENSRGLG00000002158	map2k5	mitogen-activated protein kinase kinase 5 [Source:ZFIN;Acc:ZDB-GENE-030131-1517]	-3.671367975	0.816420603	5.373646548	0.886341555
ENSRGLG00000011537	-	-	-2.296281225	0.920685643	4.384100244	1.167618044
ENSRGLG00000003452	ran	RAN, member RAS oncogene family [Source:NCBI gene:Acc:101156259]	-2.488021555	0.666569106	4.62297799	1.468872102
ENSRGLG00000011527	zgc:162816	zgc:162816 [Source:ZFIN;Acc:ZDB-GENE-070410-94]	-3.471214014	-0.035576632	3.202079273	-0.233074231
ENSRGLG00000013087	rs25	ribosomal protein S25 [Source:ZFIN;Acc:ZDB-GENE-040426-1788]	-1.361767151	1.632098909	4.491328768	1.497947666
ENSRGLG00000014721	-	chromosome 9 C12orf43 homolog [Source:NCBI gene:Acc:101165894]	-5.031956492	-0.549912421	4.035147449	-0.446417271
ENSRGLG00000013387	-	-	-3.31084564	-0.841485954	4.419335579	1.750481063
ENSRGLG00000002761	chby1	chubby homolog 1 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-030131-5074]	-2.961352631	1.915610942	6.403837262	1.52735823
ENSRGLG0000001619	bbs4	Bardet-Biedl syndrome 4 [Source:ZFIN;Acc:ZDB-GENE-060126-2]	-1.786208301	-0.447336346	3.616546801	2.278159746
ENSRGLG00000001290	-	-	-0.804279223	-0.183787611	3.001990934	2.381984115
ENSRGLG00000004778	POC1A	POC1 centriolar protein A [Source:HGNC Symbol;Acc:HGNC:24488]	-1.129317577	0.758411864	4.305426918	2.418182303
ENSRGLG00000011006	ltnm48	RNA binding motif protein 48 [Source:NCBI gene:Acc:101175089]	-4.062007955	-0.243920876	4.904294012	1.086692565
ENSRGLG00000010275	snim4	small integral membrane protein 4 [Source:ZFIN;Acc:ZDB-GENE-170130-1]	-1.937356602	1.32814974	3.778663209	0.513641639
ENSRGLG00000011894	-	-	-1.71384152	0.46413046	3.76055314	1.584891183
ENSRGLG00000009595	-	-	-3.332814442	2.73539545	6.971758446	1.323474294
ENSRGLG00000007301	pin4	peptidylprolyl cis/trans isomerase, NIMA-interacting 4 [Source:NCBI gene:Acc:101160079]	-2.277939809	0.435501284	4.691301165	1.978345122
ENSRGLG00000011885	hahd2	halobactin dehalogenase like hydrolase domain containing 2 [Source:NCBI gene:Acc:101168225]	-2.987644828	-0.289948708	3.435849278	0.738638031
ENSRGLG00000011898	-	-	-3.14782742	1.217332691	3.74341172	-0.590334086
ENSRGLG00000011113	-	-	0.12306835	2.312193738	4.286246713	1.807381123
ENSRGLG00000002592	-	Golgi SNAP receptor complex member 1 [Source:NCBI gene:Acc:101157798]	-8.081337151	1.31166072	9.097291527	-0.295221226
ENSRGLG00000011389	HENMT1	HERN methyltransferase 1 [Source:NCBI gene:Acc:101168973]	-2.101804469	-0.297534688	3.150918209	1.347133669
ENSRGLG00000004675	-	-	-6.309527862	1.371902308	7.322873781	-0.358070985
ENSRGLG00000002580	si:ch211-5119	chromosome 9 C22orf89 homolog [Source:NCBI gene:Acc:101172621]	-4.057638405	1.690234143	4.91926164	-0.8281265
ENSRGLG00000005191	TENT4A	terminal nucleotidyltransferase 4A [Source:HGNC Symbol;Acc:HGNC:16705]	-2.868266254	0.552264674	3.807826377	0.3877801

		ENSRGLG00000006911	iron-sulfur cluster assembly enzyme [Source:NCBI gene:Acc:101165644]	-4.29586826	1.791634288	5.749462301	-0.337573987
		ENSRGLG00000007738	mediator complex subunit 7 [Source:ZFIN:Acc:ZDB-GENE-030131-4823]	-2.310335775	0.862391836	3.195055848	0.022813002
		ENSRGLG00000006196	GABA(A) receptor-associated protein 4 [Source:ZFIN:Acc:ZDB-GENE-030131-5174]	-2.364164229	2.277057638	4.845454185	0.204804976
		ENSRGLG00000007400	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 8 [Source:ZFIN:Acc:ZDB-GENE-041114-69]	-1.366054216	0.662827951	3.863004919	1.834607714
		ENSRGLG00000009118	DNMT1 demethylase domain transferase 1 homolog [Source:NCBI gene:Acc:101156415]	-3.435980431	0.04470067	3.099351042	-0.380845313
		ENSRGLG00000006393	spermine synthase [Source:ZFIN:Acc:ZDB-GENE-040626-150]	-1.782020485	0.587911657	3.370779092	1.001331723
		ENSRGLG00000008500	cd8b [Source:ZFIN:Acc:ZDB-GENE-091204-31]	-0.021481172	2.32918583	3.042944027	0.692762891
		ENSRGLG00000015097	ORMDL1 sphingolipid biosynthesis regulator 1 [Source:NCBI gene:Acc:101165518]	-3.169345342	2.672560223	6.772123603	0.930702138
		ENSRGLG00000006183	RSH domain containing 4 [Source:ZFIN:Acc:ZDB-GENE-070112-1321]	0.431198199	0.645465084	3.048386357	2.834584336
		ENSRGLG00000009674	glutathione S-transferase alpha 4 [Source:NCBI gene:Acc:101174370]	-1.729085155	0.190918682	3.264822831	1.345304079
		ENSRGLG00000016567	uncharacterized LOC101171452 [Source:NCBI gene:Acc:101168963]	-4.251554751	1.471468971	3.95017021	-1.772369141
		ENSRGLG00000006863	zwilch histidine protein [Source:ZFIN:Acc:ZDB-GENE-050420-101]	-0.052517396	0.374715112	3.204762085	2.778014477
		ENSRGLG00000011756	calcium and integrin binding 1 [Source:NCBI gene:Acc:101168963]	-1.393423421	2.063433711	6.157268615	2.700896404
		ENSRGLG00000009140	mitochondrial ribosome-associated GTPase 1 [Source:ZFIN:Acc:ZDB-GENE-031110-2]	-3.403467888	0.141661922	3.112714905	-0.431930105
		ENSRGLG00000008200	gqsr1 [Source:ZFIN:Acc:ZDB-GENE-050417-133]	-4.741927918	-0.290168319	4.412188043	-0.039086557
		ENSRGLG00000002070	small nuclear ribonucleoprotein polypeptide E [Source:NCBI gene:Acc:101173384]	-4.475864599	0.289224494	5.993360621	1.228656617
		ENSRGLG00000012059	snrpe [Source:NCBI gene:Acc:101173384]	-2.594118475	1.480434251	4.669020982	0.594953091
		ENSRGLG00000007075	sec61g [Source:NCBI gene:Acc:11001315]	-2.639569081	0.965365655	3.578980304	-0.025469562
		ENSRGLG00000002013	-	-4.376841511	-1.32178261	3.393184219	0.338610192
		ENSRGLG00000017324	-	-1.223116103	-0.145824804	3.751187695	2.674380555
		ENSRGLG00000015237	ctb3 [Source:NCBI gene:Acc:101174188]	1.366021258	2.01189758	3.38219289	2.691535654
		ENSRGLG00000005015	centromere protein Q [Source:NCBI gene:Acc:101174332]	-0.283691967	0.586103183	3.573332909	2.704022663
		ENSRGLG00000003667	btgqm [Source:NCBI gene:Acc:101174207]	-0.718692232	0.231484774	3.25319884	2.25627618
		ENSRGLG00000004376	PPP4R3B protein phosphatase 4 regulatory subunit 3B [Source:HGNC Symbol:Acc:HGNC:29267]	-1.714069121	0.935882642	3.296490009	0.647023112
		ENSRGLG00000010445	-	-2.352818927	0.080622143	4.39556566	1.962610196
		ENSRGLG00000008444	ube2t [Source:NCBI gene:Acc:101156892]	-3.410367946	0.400503705	4.603495642	0.793108905
		ENSRGLG00000003381	r9 [Source:NCBI gene:Acc:10110108]	-3.603981353	0.625957007	3.634253384	-0.595200471
		ENSRGLG00000016473	ACYP1 acylcholinesterase 1 [Source:HGNC]	-3.181462253	2.62546649	3.896957859	-1.909480536
		ENSRGLG00000007802	tx2b1 [Source:NCBI gene:Acc:101155302]	-2.536503824	1.078068337	3.195782877	-0.419302495
		ENSRGLG00000010538	HSP71A3 [Source:NCBI gene:Acc:101166978]	-3.736744617	-1.367839192	3.672843301	1.244860919
		ENSRGLG00000003334	usp16 [Source:ZFIN:Acc:ZDB-GENE-030131-4153]	-4.856042031	0.040521248	3.503443103	-1.392634796
		ENSRGLG00000004697	doun1d2b [Source:ZFIN:Acc:ZDB-GENE-040625-1]	-2.10795586	0.847969884	5.042851231	2.087413022
		ENSRGLG00000007253	COMM4 [Source:NCBI gene:Acc:101165952]	-1.028781403	1.191203787	3.864535866	1.645035674
		ENSRGLG00000017636	ef4eb [Source:NCBI gene:Acc:101166761]	0.253778853	0.573597283	3.07883827	2.759514748
		ENSRGLG00000017809	trappc2 [Source:NCBI gene:Acc:101168660]	-4.8593573	2.895503076	7.335405651	-0.418968004
		ENSRGLG00000005543	CDC37 [Source:NCBI gene:Acc:101156088]	-2.81307646	0.255805862	3.53612531	0.47111178
		ENSRGLG00000006644	-	-2.64954204	-0.203990255	4.201508689	1.756420226
		ENSRGLG00000009196	-	-2.67042755	0.85294109	3.133595711	-0.365220163
		ENSRGLG00000015785	uncharacterized LOC101160866 [Source:NCBI gene:Acc:101160866]	-2.089190299	-0.550836899	3.312444945	1.774575891
		ENSRGLG00000007013	pi3n [Source:ZFIN:Acc:ZDB-GENE-080204-114]	-1.284404387	1.897254602	3.670788565	0.489614712
		ENSRGLG00000006462	tmem258 [Source:NCBI gene:Acc:105354217]	-2.843091395	1.686917496	4.639756627	0.110232729
		ENSRGLG00000008134	-	-4.858950663	-0.09602417	5.038082075	0.275641072
Hmt VS HmC	340	ENSRGLG00000008986	gpm [Source:ZFIN:Acc:ZDB-GENE-060825-251]	0.595751169	-2.077513401	1.102965766	3.776715268
		ENSRGLG00000005116	cd9p1 [Source:NCBI gene:Acc:101173632]	1.672156145	0.198747775	1.710319609	3.184212899
		ENSRGLG00000001968	COL8A1 [Source:HGNC Symbol:Acc:HGNC:2215]	3.554413116	0.856271178	1.406561666	4.105192815
		ENSRGLG00000017844	chmp5a [Source:NCBI gene:Acc:101164680]	1.243887226	-0.651105339	1.635162173	3.530639926
		ENSRGLG00000004422	nek8 [Source:NCBI gene:Acc:101161178]	1.245857411	-0.32701954	2.913509985	4.486871861
		ENSRGLG00000005532	wdr19 [Source:NCBI gene:Acc:101165282]	0.187280701	-0.362123335	2.951012282	3.500901361
		ENSRGLG00000007236	CDHR2 [Source:HGNC Symbol:Acc:HGNC:18231]	2.625814794	-0.773085958	-0.387868381	3.011516952
		ENSRGLG00000016124	snap25a [Source:NCBI gene:Acc:101165388]	0.654148617	-3.663988608	0.712555938	5.031178519
		ENSRGLG00000013554	UBA3 (1 of multiple) [Source:HGNC Symbol:Acc:HGNC:12470]	0.792611299	-0.162601088	2.899170991	3.854868353
		ENSRGLG00000001216	uncharacterized LOC101163171 [Source:NCBI gene:Acc:101163171]	2.784688481	1.009228267	2.692262933	4.46820847
		ENSRGLG00000003842	cdkn2d [Source:NCBI gene:Acc:101165292]	2.400958575	0.459634584	1.939393588	3.881202249
		ENSRGLG00000011838	slc2a3b [Source:NCBI gene:Acc:101165292]	-2.541991047	-5.25148045	1.944097701	4.654075948
		ENSRGLG00000012769	SLC22A23 [Source:ZFIN:Acc:ZDB-GENE-121031-5]	2.77603538	0.40139741	1.242076171	3.622144004
		ENSRGLG00000011855	trtm13 [Source:ZFIN:Acc:ZDB-GENE-050822-516]	2.985251118	0.599122498	1.083325639	3.469939021
		ENSRGLG00000015047	-	4.945549459	3.076626369	1.432089195	3.30151177
		ENSRGLG00000014336	-	4.451004496	2.41297507	1.194348988	3.23343814
		ENSRGLG00000000717	-	0.39044598	-4.181446695	-0.781012736	3.791360171
		ENSRGLG00000002025	-	-0.071470689	-1.165301806	2.163515071	3.261830458
		ENSRGLG00000014579	lrtn1 [Source:ZFIN:Acc:ZDB-GENE-071126-1]	5.831161831	2.496975988	1.018355462	4.353008406
		ENSRGLG00000008860	slc5a8 [Source:ZFIN:Acc:ZDB-GENE-141211-63]	14.44307628	11.24312042	2.514449521	5.714873158
		ENSRGLG00000014306	protein FAM3C-like [Source:NCBI gene:Acc:101161238]	2.969142878	0.498219313	1.584623732	4.056034618
		ENSRGLG00000001690	GRAM domain containing 2Aa [Source:ZFIN:Acc:ZDB-GENE-040724-9]	2.943732439	0.94752462	1.178269536	3.174961773
		ENSRGLG00000015199	-	2.837595746	0.592786435	1.884307716	4.124006823
		ENSRGLG00000016169	zmat4a [Source:ZFIN:Acc:ZDB-GENE-081104-333]	14.54541279	12.34376867	1.738547138	3.940606395
		ENSRGLG00000012993	hpd [Source:ZFIN:Acc:ZDB-GENE-040808-62]	2.638133904	0.875158132	1.604615663	3.368077299

	ENSRORG0000000795	sec14l7	SEC14-like lipid binding 7 [Source:ZFIN;Acc:ZDB-GENE-141216-145]	2.501821423	-0.154391347	1.395413154	4.052111039
	ENSRIG00000005265	-	-	2.637697727	-0.347618777	2.202389539	5.188189941
	ENSRIG00000004977	-	-	4.148883354	2.159601831	1.444631682	3.43432578
	ENSRIG00000003848	-	-	2.493664547	0.3514288	1.776072087	3.918792689
	ENSRIG000000013681	pm20d1.2	peptidase M20 domain containing 1, tandem duplicate 2 [Source:ZFIN;Acc:ZDB-GENE-0610131-637]	0.815675198	0.692078175	2.960394281	3.084476187
	ENSRIG000000010725	-	-	3.333863353	1.495646614	2.353271814	4.191978906
	ENSRIG000000002292	si:dkey-178e1	si:dkey-178e171.1 [Source:ZFIN;Acc:ZDB-GENE-081104-411]	2.546418865	0.746230107	1.458151497	3.258825101
	ENSRIG000000011156	-	-	2.787058265	0.124495324	1.37898136	4.042029266
	ENSRIG000000007883	-	-	4.219956547	1.216782583	1.728816188	4.732369283
	ENSRIG000000003519	zplane2	ciliogenesis and planar polarity effector 2 [Source:ZFIN;Acc:ZDB-GENE-040912-80]	1.310902635	-0.424591049	2.361685932	4.097664651
	ENSRIG000000004941	stag3	sromal antigen 3 [Source:ZFIN;Acc:ZDB-GENE-140106-130]	2.794024147	-0.129220196	0.883592718	3.807321877
	ENSRIG000000012941	-	-	3.2106411	0.273671735	2.586705776	5.52418003
	ENSRIG000000002630	cell3a	cugbp. Elav-like family member 3a [Source:ZFIN;Acc:ZDB-GENE-000501-2]	2.292459658	0.026117345	1.397857736	3.664684568
	ENSRIG000000002015	soca	short coiled-coil protein a [Source:ZFIN;Acc:ZDB-GENE-061013-114]	2.341769617	0.222355419	0.925522677	3.045421954
	ENSRIG000000012887	arpp19a	CAMP-regulated phosphoprotein 19 [Source:NCBI;gene:Acc:101168529]	0.485354658	-0.294368085	2.318305952	3.0985383
	ENSRIG000000003581	dnajp4	DnaJ heat shock protein family (Hsp40) member B4 [Source:NCBI;gene:Acc:1011170125]	5.952855913	3.447448033	0.798350339	3.304244335
	ENSRIG000000007139	-	-	5.10754622	4.721459207	2.714588322	3.101162706
	ENSRIG0000000013970	blmh	bleomycin hydrolase [Source:ZFIN;Acc:ZDB-GENE-030131-8485]	1.448283458	-0.679403096	0.910479424	3.03650843
	ENSRIG000000003382	-	-	0.968272433	-0.339865953	2.099515781	3.408139058
	ENSRIG000000008300	med1	mediator complex subunit 1 [Source:ZFIN;Acc:ZDB-GENE-081104-257]	1.872034453	0.28695195	1.520533291	3.106067762
	ENSRIG000000004320	synj1	synaptotagmin 1 [Source:ZFIN;Acc:ZDB-GENE-030131-9180]	2.098989629	-0.072739869	1.088946609	3.261068058
	ENSRIG000000003598	-	-	2.097925021	0.150824645	2.800403115	4.747988182
	ENSRIG000000006301	sahnd13	sterile alpha motif domain containing 13 [Source:ZFIN;Acc:ZDB-GENE-060929-676]	1.634090341	0.764256579	2.759252177	3.629570748
	ENSRIG000000001281	-	-	1.870452271	0.101608352	2.156702039	3.926031027
	ENSRIG000000006930	SCN8A	sodium voltage-gated channel alpha subunit 8 [Source:HGNC;Symbol:Acc:HGNC:10996]	0.943045223	0.368059928	2.815556645	3.90991364
	ENSRIG000000009737	hpk3b	homeodomain interacting protein kinase 3b [Source:ZFIN;Acc:ZDB-GENE-030131-82]	2.208336447	-0.051507822	1.212744053	3.473074006
	ENSRIG000000011521	-	-	0.904684098	-3.807140313	0.322340589	5.034650193
	ENSRIG000000016430	ica5	Letler congenital amaurosis 5 [Source:ZFIN;Acc:ZDB-GENE-090313-268]	0.773669546	0.021127672	2.791956264	3.544983244
	ENSRIG000000001438	-	-	3.204513267	0.672923209	0.985272365	3.568934852
	ENSRIG000000002318	-	-	1.458792925	12.53258483	1.182757976	3.238569465
	ENSRIG000000010903	-	-	1.816432354	0.334166642	1.898827677	3.880977609
	ENSRIG000000015146	-	-	0.042656897	-0.242368287	2.811642968	3.097153096
	ENSRIG000000007063	l3gnt7	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7 [Source:ZFIN;Acc:ZDB-GENE-021210-4]	15.34224451	13.55704242	1.617383603	3.403053262
	ENSRIG000000016408	si:dkey-1112.3	echinoderm microtubule associated protein like 5 [Source:HGNC;Symbol:Acc:HGNC:18197]	1.69854908	0.239166313	1.720975596	3.180842328
	ENSRIG000000017123	stum	stum, mechanosensory transduction mediator homolog [Source:ZFIN;Acc:ZDB-GENE-041014-164]	1.905809895	0.072983231	1.267475802	3.100787442
	ENSRIG000000006454	CYP4F2	cytochrome P450 family 4 subfamily F member 2 [Source:HGNC;Symbol:Acc:HGNC:2645]	2.66319324	-0.039212848	0.684077494	3.38969616
	ENSRIG000000011168	MTCO18B	mtc18b [Source:HGNC;Symbol:Acc:HGNC:18150]	1.574216876	1.938498474	0.589090075	4.102284722
	ENSRIG000000006506	-	-	2.250430988	0.425485632	1.200698538	3.02613198
	ENSRIG000000008548	slitrk4	SLIT and NTRK-like family, member 4 [Source:ZFIN;Acc:ZDB-GENE-140303-1]	13.71449775	11.72795023	2.583734359	4.570747894
	ENSRIG000000016151	slfz2a	vesicle transport protein Slfz2b-like [Source:NCBI;gene:Acc:101171820]	0.568667419	-0.289705377	2.382107133	3.249864259
	ENSRIG000000006925	rgra	retinal G protein coupled receptor a [Source:ZFIN;Acc:ZDB-GENE-040924-6]	2.893860865	0.326483796	2.404645813	4.972502663
	ENSRIG000000012832	-	-	2.160740659	0.402898633	1.66665706	3.4248831
	ENSRIG000000016707	-	-	2.709896117	-0.319812999	2.119010717	5.149308803
	ENSRIG000000002984	sl	slizzed [Source:ZFIN;Acc:ZDB-GENE-030530-1]	14.30194242	12.47404976	1.603499783	3.45607793
	ENSRIG000000010185	si:dkey-222n6	keratin 73 [Source:HGNC;Symbol:Acc:HGNC:28928]	2.823324877	-0.724403258	0.258580889	3.806795833
	ENSRIG000000007401	stox1	storkhead box 1 [Source:ZFIN;Acc:ZDB-GENE-030225-2]	3.79397496	1.206270954	0.677451938	3.265643366
	ENSRIG000000005785	si:dkey-290l1	si:dkey-290l1.3 [Source:ZFIN;Acc:ZDB-GENE-100922-178]	2.291736575	0.45764284	2.14340464	3.977982091
	ENSRIG000000003120	meiob	meiosis specific with OB domains [Source:ZFIN;Acc:ZDB-GENE-120104-8]	1.913936883	0.777958778	2.730890135	3.867353198
	ENSRIG000000008990	-	-	15.18648261	11.15022963	2.056752296	6.093471715
	ENSRIG000000006275	-	-	2.194103113	-0.519243428	0.908334592	3.622166119
	ENSRIG000000015461	mod1	MAX dimerization protein 1 [Source:ZFIN;Acc:ZDB-GENE-080528-246]	2.121776981	0.079297579	1.388295275	3.431259831
	ENSRIG000000004615	ago2	argonaute RISC catalytic component 2 [Source:ZFIN;Acc:ZDB-GENE-110606-6]	1.944821069	0.859891609	2.701778829	3.787192435
	ENSRIG000000002474	HOMER1	homer scaffold protein 1 [Source:HGNC;Symbol:Acc:HGNC:17512]	1.897199174	-0.04347905	1.15305311	3.094216375
	ENSRIG000000018688	-	-	1.878424845	-0.40244726	2.013234761	4.294592106
	ENSRIG000000006273	-	-	1.869413588	0.11342759	2.218687926	3.833024028
	ENSRIG000000006691	mak	male germ cell-associated kinase [Source:ZFIN;Acc:ZDB-GENE-030131-7279]	3.040797419	0.873751813	2.581412089	4.748942467
	ENSRIG000000007894	pal3x1a	galactose-3-O-sulfotransferase 1 [Source:NCBI;gene:Acc:101172098]	2.78974256	-0.314318458	1.481871348	4.586325461
	ENSRIG000000008907	-	-	3.238723144	-0.123102033	0.650589229	4.017647207
	ENSRIG000000011357	palnt17	polypeptide N-acetylglucosaminyltransferase 17 [Source:ZFIN;Acc:ZDB-GENE-110418-3]	4.26423963	1.31870004	0.795626159	3.741651405
	ENSRIG000000016639	angel1	angel homolog 1 (Drosophila) [Source:ZFIN;Acc:ZDB-GENE-111020-12]	1.944792327	0.367452655	1.749692158	3.327516779
	ENSRIG000000009374	DISL2	DIS2 like 3'-5' exonuclease 2 [Source:HGNC;Symbol:Acc:HGNC:28648]	0.959425389	0.042318415	2.530237844	3.447829858
	ENSRIG000000012512	tiparp	TCDD-inducible poly(ADP-ribose) polymerase [Source:ZFIN;Acc:ZDB-GENE-031002-47]	1.947958344	-0.730611878	0.3612979	3.040353146
	ENSRIG000000003008	-	-	-0.010512066	-0.712048849	2.80026765	3.502248367
	ENSRIG000000001687	psat1	phosphoserine aminotransferase 1 [Source:ZFIN;Acc:ZDB-GENE-030131-5723]	-0.42183032	-4.773948986	-1.297272038	3.055331418
	ENSRIG000000017484	-	-	2.186769203	-0.288488633	1.28960432	3.745347245
	ENSRIG000000005304	adam10b	ADAM metalloproteinase domain 10b [Source:ZFIN;Acc:ZDB-GENE-071115-1]	1.770490564	0.368992841	1.616558648	3.018541294
	ENSRIG000000006135	rip2	Rib interacting lysosomal protein like 2 [Source:NCBI;gene:Acc:101159444]	2.308267879	0.676966029	2.08012053	3.71189784
	ENSRIG000000005115	tmprss5	transmembrane serine protease 5 [Source:ZFIN;Acc:ZDB-GENE-131121-184]	4.012419025	-0.327570615	2.042841386	6.383318937
	ENSRIG000000013999	apoa2	uncharacterized LOC101163028 [Source:NCBI;gene:Acc:101163028]	1.193878907	-3.130936736	0.326748196	4.652048095
	ENSRIG000000010484	lvsn2	forkhead box P2 [Source:ZFIN;Acc:ZDB-GENE-041203-2]	1.59272690	-1.012941832	0.946240554	3.552397407
	ENSRIG000000007704	ubash3b	ubiquitin associated and SH3 domain containing Ba [Source:ZFIN;Acc:ZDB-GENE-060526-172]	1.856019575	-0.270331715	1.275298616	3.402134887
	ENSRIG000000009621	znc161989	znc161989 [Source:ZFIN;Acc:ZDB-GENE-030131-2997]	2.038368899	-0.67499823	0.582702486	3.2965551
	ENSRIG000000003831	si:dkey-323a3	si:dkey-323a3 [Source:ZFIN;Acc:ZDB-GENE-030131-2997]	4.231314848	1.78011482	1.51172844	3.975511678
	ENSRIG000000003270	SEMA3B	semaphorin 3B [Source:HGNC;Symbol:Acc:HGNC:10724]	2.11264755	-0.385873576	1.102752352	3.602375555
	ENSRIG000000005523	si:dkey-231i2	glycoprotein hormone beta-5-like [Source:NCBI;gene:Acc:101171780]	13.23120618	0	2.718894648	15.95059303

ENSORLG00000010545	msantd4	Myb/SANT-like DNA-binding domain containing 4 with coiled-coils [Source:ZFIN;Acc:ZDB-GENE-121023-2]	3.012733406	0.910678894	0.959241141	3.0617805
ENSORLG00000011565	-	-	3.572279511	0.345427188	2.937513084	6.1648528
ENSORLG00000002107	-	-	15.46273231	13.75475391	1.472700091	3.181146087
ENSORLG000000010615	-	-	14.27924928	11.2567807	1.409513966	4.432450646
ENSORLG000000011928	tmem151ba	transmembrane protein 151Ba [Source:ZFIN;Acc:ZDB-GENE-070820-12]	13.58289701	8.530835473	2.230109891	7.282623406
ENSORLG000000000863	DDX5	DEAD-box helicase 5 [Source:HGNC Symbol;Acc:HGNC:2746]	2.616430232	-0.137348152	0.301384284	3.05644756
ENSORLG000000012509	-	-	2.118487894	0.066290829	1.527677738	3.580309953
ENSORLG000000014192	gpm1a	glutamate metabotropic receptor 1 [Source:NCBI gene;Acc:101165118]	3.422289171	-1.53645572	2.048055971	7.007283784
ENSORLG000000011640	-	-	2.018476154	-1.046119879	2.104006572	5.167091788
ENSORLG000000000605	-	-	3.760836977	2.061318305	2.311947398	4.011948665
ENSORLG000000001588	GRXCR2	glutaredoxin and cysteine rich domain containing 2 [Source:HGNC Symbol;Acc:HGNC:33862]	2.064331086	0.484886976	2.101223065	3.681151828
ENSORLG000000000670	-	-	2.613267491	0.013268822	2.15015609	4.750641838
ENSORLG000000016305	-	-	2.00872946	-0.250996847	1.333849693	3.594061158
ENSORLG000000016692	-	-	13.45527941	0	2.114439394	15.87223949
ENSORLG000000012938	kcrik10b	potassium channel, subfamily K, member 10b [Source:ZFIN;Acc:ZDB-GENE-050420-31]	15.18925395	9.560714954	1.260694119	6.889705908
ENSORLG000000007323	tchp	trichoplein, keratin filament binding [Source:ZFIN;Acc:ZDB-GENE-060421-3368]	0.12007356	-0.636282921	2.394883618	3.151724829
ENSORLG000000005999	-	-	0.566478259	-2.043493682	1.067568506	3.677024171
ENSORLG000000002636	csdc2a	cold shock domain containing C2, RNA binding a [Source:ZFIN;Acc:ZDB-GENE-040719-442]	15.38636673	0	0.818320454	16.20517889
ENSORLG000000005680	edrf1	erythroid differentiation regulatory factor 1 [Source:ZFIN;Acc:ZDB-GENE-131121-620]	2.996770211	0.422514065	0.65863365	3.233374267
ENSORLG000000006451	-	-	15.38312213	12.72864757	0.898977963	3.533820343
ENSORLG0000000014293	kcni11	ATP-sensitive inward rectifier potassium channel 11 [Source:NCBI gene;Acc:101160728]	3.695657261	0.341947421	0.135279602	3.489473941
ENSORLG000000004150	-	-	1.228487201	-0.304604528	2.287040559	3.800617012
ENSORLG000000004863	-	-	1.924743889	0.941038372	2.338459676	3.320380552
ENSORLG0000000011797	fbx2	F-box and leucine-rich repeat protein 2 [Source:ZFIN;Acc:ZDB-GENE-030925-12]	2.234393702	0.16514408	1.684570128	3.754304386
ENSORLG000000001386	hpk	endoplasmic reticulum junction formation protein lunapark-B [Source:NCBI gene;Acc:101167978]	-0.233043704	-0.594629313	2.64211218	3.00418269
ENSORLG000000006082	-	-	14.57665086	0	2.174822415	16.75196477
ENSORLG000000013631	C7orf43	chromosome 7 open reading frame 43 [Source:HGNC Symbol;Acc:HGNC:25604]	1.605994731	0.141891163	2.335383188	3.797517108
ENSORLG000000011739	zgc:153343	GDP-D-glucose phosphorylase 1 [Source:HGNC Symbol;Acc:HGNC:24360]	1.97431704	1.10855925	2.857081849	3.723028736
ENSORLG000000006074	ift80	intraflagellar transport 80 homolog (Chlamydomonas) [Source:ZFIN;Acc:ZDB-GENE-041212-50]	0.988372843	-0.042122311	2.17644972	3.207429636
ENSORLG000000005393	seomesb	seomesb domain homolog b [Source:ZFIN;Acc:ZDB-GENE-070318-1]	0.715330152	-0.847103387	1.518943357	3.081861986
ENSORLG000000017953	nrlj2	nuclear receptor subfamily 1, group 1, member 2 [Source:ZFIN;Acc:ZDB-GENE-030903-3]	-0.677931313	-2.450476676	1.236163849	3.009194395
ENSORLG000000018104	traf3ip1	TNF receptor-associated factor 3 interacting protein 1 [Source:ZFIN;Acc:ZDB-GENE-040426-1146]	-0.215714219	-1.341895374	2.610750231	3.737416458
ENSORLG000000012973	-	-	4.753959024	2.516794316	2.308101166	4.545756263
ENSORLG000000002121	me1	malic enzyme 1, NAD(P)+-dependent, cytosolic [Source:ZFIN;Acc:ZDB-GENE-061013-438]	1.174970806	-0.816337214	2.403369421	4.395162499
ENSORLG000000013928	ush1gb	Usher syndrome type-1G protein homolog [Source:NCBI gene;Acc:101174708]	13.81991162	9.009464749	1.989909213	6.800819811
ENSORLG000000000371	-	-	5.694318137	-9.45489558	1.381428838	16.5311545
ENSORLG000000000334	tppp3	tubulin polymerization-promoting protein family member 3 [Source:NCBI gene;Acc:101170163]	2.589473833	0.012074294	2.224364466	4.802249102
ENSORLG000000000721	-	-	3.493493364	0.892212544	2.133315347	4.735090715
ENSORLG000000007903	-	-	1.923531849	0.110561819	2.223243196	4.036688289
ENSORLG000000002477	pell1b	G3 ultraligin protein fagge pelliro homolog 1 [Source:NCBI gene;Acc:1011671979]	1.059740665	-0.459709837	1.997453337	3.511788776
ENSORLG000000001056	-	-	2.406332892	-1.711674725	-0.820298037	3.29728331
ENSORLG000000006350	arl3b	ADP-ribosylation factor-like 13b [Source:ZFIN;Acc:ZDB-GENE-021217-3]	1.822607649	-0.10441531	1.622238815	3.549744548
ENSORLG000000013109	rhp1	rhophilin, Rho GTPase binding protein 1 [Source:ZFIN;Acc:ZDB-GENE-081031-79]	2.217009939	0.370445395	2.036129663	3.883180298
ENSORLG000000010499	hnmp3	heterogeneous nuclear ribonucleoprotein H3 (ZH9) [Source:ZFIN;Acc:ZDB-GENE-060421-3878]	1.670921725	-0.331170778	2.000434283	4.003011567
ENSORLG000000010631	-	-	1.972224532	-0.342339798	2.926756668	5.241805878
ENSORLG000000000846	hapin4	hyaluronan and proteoglycan link protein 4 [Source:ZFIN;Acc:ZDB-GENE-060503-243]	2.393144708	-0.185913095	1.289934297	3.869477857
ENSORLG000000012657	d3n3	catyntenin 3 [Source:ZFIN;Acc:ZDB-GENE-109921-73]	4.525304294	0.361623697	0.824081142	4.988252452
ENSORLG000000002849	dnc1	DNA meiotic recombinase 1 [Source:ZFIN;Acc:ZDB-GENE-060331-39]	1.05144237	-0.334607797	1.827705317	3.21424041
ENSORLG000000017638	-	-	3.717975325	-1.174651683	0.702453564	5.595563536
ENSORLG000000014776	-	-	0.84509086	-1.20783742	1.335833551	3.389246523
ENSORLG000000016444	zgc:77486	ANI-type zinc finger protein 5 [Source:NCBI gene;Acc:101174824]	1.300422541	0.107845339	2.947484727	4.140546906
ENSORLG000000016789	-	-	1.31829086	-0.590227896	2.100176302	4.009179942
ENSORLG000000016886	dgkb	diacylglycerol kinase, beta [Source:ZFIN;Acc:ZDB-GENE-070126-1]	2.453820928	-0.817058029	0.803547383	4.074911702
ENSORLG000000015241	ATF5	activating transcription factor 5 [Source:HGNC Symbol;Acc:HGNC:790]	2.771830834	-0.739997955	-0.158427423	3.353886237
ENSORLG000000014485	-	-	15.30449072	10.29923092	2.28524432	7.270972502
ENSORLG000000016383	itm2	fat storage-inducing transmembrane protein 2 [Source:ZFIN;Acc:ZDB-GENE-050508-6]	1.394050377	-1.159942902	0.73504218	3.30753252
ENSORLG000000001279	-	-	2.540373115	0.235110459	1.540113409	3.848868029
ENSORLG000000007192	sgsm1a	small G protein signaling modulator 1a [Source:ZFIN;Acc:ZDB-GENE-060526-379]	3.41405037	2.491487719	2.358011866	3.281059894
ENSORLG000000010273	rx1a	regulatory factor X 1a (influences HLA class II expression) [Source:ZFIN;Acc:ZDB-GENE-070424-94]	2.216909834	0.338455886	1.826832529	3.705771027
ENSORLG000000011139	-	-	14.30823663	13.5386982	2.230134638	3.000140621
ENSORLG000000005070	unk1	unknown family zinc finger-like [Source:ZFIN;Acc:ZDB-GENE-131120-196]	1.961043023	0.739284137	2.259147513	3.481391071
ENSORLG000000009630	sdkey-256k1	zinc finger protein 512B [Source:HGNC Symbol;Acc:HGNC:29212]	2.784447384	1.524412893	2.068521366	3.329040581
ENSORLG000000011566	-	-	6.571854188	4.146727284	0.627099929	3.052695046
ENSORLG000000005350	FAM53C	family with sequence similarity 53 member C [Source:HGNC Symbol;Acc:HGNC:1336]	1.08115078	-0.259061017	2.696296181	4.036993033
ENSORLG000000021159	RF00001	-	0.870673301	-1.822695342	0.95454693	3.648400432
ENSORLG0000000013431	FAM135B	family with sequence similarity 135 member B [Source:HGNC Symbol;Acc:HGNC:28029]	3.548735392	0.342623808	2.326545094	5.533144424
ENSORLG000000000590	-	-	14.11836886	11.50722478	2.095753182	4.707361551
ENSORLG000000016194	cc232a	coiled-coil and C2 domain containing 2A [Source:ZFIN;Acc:ZDB-GENE-030131-2291]	0.315607712	-0.703194912	2.264470541	3.283757933
ENSORLG000000016150	-	-	1.045560145	-0.674102518	2.864411204	4.58455885
ENSORLG000000016377	tmem169b	transmembrane protein 169b [Source:ZFIN;Acc:ZDB-GENE-141211-51]	3.754790835	2.427953721	2.009653654	3.33697678
ENSORLG000000010528	hank4	RN motif and ankyrin repeat domains 4 [Source:ZFIN;Acc:ZDB-GENE-120423-1]	1.747831231	-0.155059024	1.803734629	3.707109666
ENSORLG000000007770	neto1	neuropilin (NRP) and tolloid (TL)-like 1, like [Source:ZFIN;Acc:ZDB-GENE-091207-1]	13.81559944	11.82655246	2.462502868	4.452017813
ENSORLG000000012349	caorb3a	calcium channel, voltage-dependent, beta 3a [Source:ZFIN;Acc:ZDB-GENE-060221-2]	2.518117567	1.121559179	2.384594506	3.78163841
ENSORLG000000013931	-	-	2.72863095	-1.00485039	2.688802143	6.432775738

ENSORLG0000003586	dzfp1	DAZ interacting zinc finger protein 1 [Source:ZFIN,Acc:ZDB-GENE-040526-11]	0.899670812	-0.812964966	1.77434922	3.487465363
ENSORLG0000000329	zfhhc1	zinc finger, DHHC-type containing 1 [Source:ZFIN,Acc:ZDB-GENE-130925-1]	1.90146047	0.768821792	2.609640543	3.742764138
ENSORLG0000001516	dd2a	discoidin domain receptor tyrosine kinase 2a [Source:ZFIN,Acc:ZDB-GENE-090316-2]	3.141573301	0.83337165	1.794601087	4.103291162
ENSORLG00000005132	zfhhc21	zinc finger, DHHC-type containing 21 [Source:ZFIN,Acc:ZDB-GENE-080401-2]	2.717981159	0.843656779	1.539548161	3.414327274
ENSORLG00000001367	-	-	2.934018061	0.728033483	1.458813739	3.66528367
ENSORLG00000015540	racgap1	Rac GTPase activating protein 1 [Source:ZFIN,Acc:ZDB-GENE-030131-1917]	1.390786686	0.551389214	2.465116127	3.304989352
ENSORLG00000010509	dna4b	dymrin, axonemal, light chain 4b [Source:ZFIN,Acc:ZDB-GENE-050208-510]	0.210342037	-0.528629099	2.483094316	3.222549892
ENSORLG00000013343	lyns5	lynceus like 5 [Source:NCBI gene:Acc-100524201]	2.031403925	1.400302402	2.67279669	3.304316002
ENSORLG00000010885	fam219ab	krroten FAM219A [Source:NCBI gene:Acc-101166139]	4.020391883	1.230917461	2.512297438	5.30224568
ENSORLG00000013865	sphx4	sphingosine hydrolase 4 [Source:ZFIN,Acc:ZDB-GENE-080227-1]	1.72959053	-0.256661917	2.125962863	4.112699606
ENSORLG00000007535	nrngna	neurogranin (protein kinase C substrate, RC3) a [Source:ZFIN,Acc:ZDB-GENE-090710-6]	1.895871889	0.42320392	1.824987428	3.298139555
ENSORLG00000006801	casp3	Oryzias latipes caspase 3 (casp3), mRNA [Source:RefSeq mRNA,Acc:NM_001104670]	1.210481203	-2.028830763	0.508469279	3.748266599
ENSORLG00000006312	slc25a22a	solute carrier family 25 member 22a [Source:ZFIN,Acc:ZDB-GENE-110408-61]	1.998511952	0.379405843	1.62813939	3.247730463
ENSORLG00000016333	rapunzel4 (1 of many)	rapunzel4 4 [Source:ZFIN,Acc:ZDB-GENE-060417-472]	1.893882362	0.608858175	1.80157907	3.086088317
ENSORLG0000003068	ttk1a	tau tubulin kinase 1a [Source:ZFIN,Acc:ZDB-GENE-100609-4]	2.48697696	-0.081630315	0.784932272	3.354026371
ENSORLG00000003904	-	-	1.869071233	-0.854393631	1.184190792	3.90814045
ENSORLG00000004927	-	-	15.46140367	13.65424666	2.230931211	4.038556035
ENSORLG00000006876	chst3a	carbohydrate (chondroitin 6) sulfotransferase 3a [Source:ZFIN,Acc:ZDB-GENE-090312-180]	3.110631642	0.851400117	2.02609674	4.285724277
ENSORLG00000002238	il2bb	interleukin-12 subunit beta [Source:NCBI gene:Acc-10115453]	3.39547264	0.688039441	0.882646763	3.590569603
ENSORLG0000001084	wab2	WD repeat and SCAN2 box containing 2 [Source:ZFIN,Acc:ZDB-GENE-081104-26]	2.971208894	-0.00156603	0.443998496	3.417258503
ENSORLG00000041386	tomn34	translocase of outer mitochondrial membrane 34 [Source:ZFIN,Acc:ZDB-GENE-030131-2081]	2.419256612	0.866246505	2.094726186	3.648221316
ENSORLG00000016528	PTGR1	prostaglandin reductase 1 [Source:NCBI gene:Acc-101158478]	2.551297694	-0.235719944	0.291867404	3.07937093
ENSORLG00000013994	waf1	WAF5 protein family member 1 [Source:NCBI gene:Acc-101159716]	2.203033815	-0.23955544	0.765446932	3.208521106
ENSORLG00000009849	odf3b	outer dense fiber protein 3-B [Source:NCBI gene:Acc-101159189]	15.56411584	0	1.628877495	17.19348493
ENSORLG00000007787	vax2	ventral anterior homeobox 2 [Source:ZFIN,Acc:ZDB-GENE-030904-8]	13.51246271	11.81239393	2.402850941	4.103387401
ENSORLG00000009929	nuf2	NUF2, NDC80 kinetochore complex component, homolog [Source:ZFIN,Acc:ZDB-GENE-040426-1121]	0.109294608	-1.404874228	2.053462699	3.568116386
ENSORLG00000011823	-	-	0.122285653	-1.352306309	2.984490143	4.45967012
ENSORLG00000007179	tm4d5	transmembrane 4 L six family member 5 [Source:NCBI gene:Acc-101168575]	3.4804034	1.102061806	0.655610061	3.034433218
ENSORLG00000000094	atcc10	ATP-binding cassette, sub-family C (CFTR/MRP), member 10 [Source:ZFIN,Acc:ZDB-GENE-060617-24]	-0.620686489	-2.85943312	0.79939906	3.038571567
ENSORLG00000015623	tbl1	tubulin tyrosine ligase-like family, member 1 [Source:ZFIN,Acc:ZDB-GENE-040426-1326]	0.738524842	0.156239873	2.876536615	3.459306446
ENSORLG00000015190	-	-	4.338980691	3.140730151	2.452715784	3.651451318
ENSORLG00000000597	-	uncharacterized LOC101174083 [Source:NCBI gene:Acc-101174083]	14.34812506	13.05090773	2.516518027	3.814150479
ENSORLG00000015417	dhd1b	DHD1 domain containing 1b [Source:ZFIN,Acc:ZDB-GENE-040724-18]	2.79817358	0.846125733	1.264914861	3.217449209
ENSORLG00000006711	placd2	phosphatidylinositol-specific phospholipase C, X domain containing 2 [Source:ZFIN,Acc:ZDB-GENE-091204-217]	2.36016214	2.290288666	2.993139407	3.063503391
ENSORLG00000001053	-	-	3.858310652	1.488607776	0.845360503	3.12555098
ENSORLG00000015081	ciapin1	cytokine induced apoptosis inhibitor 1 [Source:NCBI gene:Acc-101167114]	1.674532552	-0.062119747	1.664815216	3.401952508
ENSORLG00000008862	cep112	centrosomal protein 112 [Source:ZFIN,Acc:ZDB-GENE-120104-2]	0.123583392	-0.776594915	2.279970247	3.180633751
ENSORLG000000010158	scpata18	spermatogenesis associated 18 [Source:ZFIN,Acc:ZDB-GENE-050522-306]	2.32601068	0.063562441	2.10827327	4.371206464
ENSORLG00000014949	bbs2	Bardet-Biedl syndrome 2 [Source:ZFIN,Acc:ZDB-GENE-020801-1]	1.133942455	-0.240239512	1.951755453	3.326422319
ENSORLG00000006879	carmap2a	calmodulin regulated spectrin-associated protein family, member 2a [Source:ZFIN,Acc:ZDB-GENE-030131-3016]	0.56851256	-1.040065567	2.113234168	3.722297359
ENSORLG00000014131	-	-	1.226304753	0.255161401	2.193619158	3.165247487
ENSORLG00000013927	-	-	0.662714462	-0.758439367	1.583138512	3.004778849
ENSORLG00000011794	-	-	1.433698381	-0.17504985	1.639597445	3.22076918
ENSORLG00000001219	col7a1	collagen, type VII, alpha 1 [Source:ZFIN,Acc:ZDB-GENE-030131-2427]	4.62146105	3.696965024	2.297620014	3.22258423
ENSORLG00000011343	fam124b	family with sequence similarity 124B [Source:ZFIN,Acc:ZDB-GENE-130327-1]	1.829121316	0.425177232	2.977823223	4.382252718
ENSORLG00000012073	casp2	caspase 2, apoptosis-related cysteine peptidase [Source:ZFIN,Acc:ZDB-GENE-030825-3]	2.365061641	0.347505897	1.267317359	3.285357923
ENSORLG00000004950	ottn3a1	ottnadin 3a, tandem duplicate 1 [Source:ZFIN,Acc:ZDB-GENE-081030-10]	3.01305448	1.094256275	1.343669451	3.262949015
ENSORLG00000010853	rtm4r2a	reticulon-4 receptor-like 2 [Source:NCBI gene:Acc-101165094]	3.599441101	0.310230629	0.244514949	3.534210061
ENSORLG00000009006	hdac3	histone deacetylase 3 [Source:NCBI gene:Acc-101165094]	2.170544817	0.213254879	1.156840095	3.11461491
ENSORLG00000010964	thox8	H-to-h exonin 8 [Source:NCBI gene:Acc-101166195]	1.521081961	0.717903507	2.789350602	3.593014064
ENSORLG00000004115	-	-	1.942573735	2.236339477	1.921748133	4.33686971
ENSORLG00000002745	si ch73-139e5	si ch73-139e5 2 [Source:ZFIN,Acc:ZDB-GENE-130631-471]	5.380297738	2.062737544	0.671792146	3.989840551
ENSORLG00000007589	-	-	1.310857549	-0.00060899	1.738990449	3.050931979
ENSORLG00000007646	ortac1b	cartilage acidic protein 1b [Source:ZFIN,Acc:ZDB-GENE-090312-28]	14.94188117	0	0.86330219	15.80567486
ENSORLG0000003182	syn1	synapsin I [Source:ZFIN,Acc:ZDB-GENE-081105-90]	2.257899561	-0.392382501	1.427386885	4.078141604
ENSORLG0000003834	WIP1	WD repeat domain phosphoinositide interacting 1 [Source:HGNC Symbol,Acc:HGNC:25471]	1.885598161	-0.012725764	2.434547149	4.33356194
ENSORLG00000004467	-	-	2.12525028	-0.095268781	1.625546007	3.841848007
ENSORLG00000006294	-	-	1.91054746	0.11524322	2.538894432	4.33686971
ENSORLG00000003474	nrtd1b	naradiysin D (N-arginine dibasic convertase) [Source:ZFIN,Acc:ZDB-GENE-050208-422]	2.956136161	0.33919282	1.233091857	3.850521172
ENSORLG00000006155	esm1	endothelial cell-specific molecule 1 [Source:ZFIN,Acc:ZDB-GENE-060929-748]	2.993509394	1.39582784	1.660900113	3.259063467
ENSORLG00000006753	-	-	4.426121616	1.425890439	0.788020389	3.768734357
ENSORLG00000009752	elov5	ELCV, lity acid elongase 5 [Source:NCBI gene:Acc-101168981]	3.395848626	1.498985454	2.766783816	4.664130845
ENSORLG00000011750	dykbindin	dykbindin [Source:NCBI gene:Acc-101175565]	3.481437591	1.067221763	2.325158248	4.739857945
ENSORLG00000004813	AKT3	AK1 serine/threonine kinase 3 [Source:HGNC Symbol,Acc:HGNC:3893]	1.428806683	-0.421838298	2.23409931	4.085228945
ENSORLG00000010959	-	-	2.37422303	1.26999012	2.304093162	3.412010786
ENSORLG00000013178	-	-	1.069319922	-3.755262386	-1.594942239	3.230128288
ENSORLG00000006643	slc12a5a	solute carrier family 12 (potassium/chloride transporter), member 5a [Source:ZFIN,Acc:ZDB-GENE-120927-3]	1.596084282	-0.599158767	1.140582171	3.33631063
ENSORLG00000006737	cyp21	cytochrome P450, family 2, subfamily R, polypeptide 1 [Source:ZFIN,Acc:ZDB-GENE-110114-1]	2.520897864	-1.240897159	1.236310945	4.998589963
ENSORLG00000007398	pp2z2ba	protein phosphatase 2, regulatory subunit B, beta a [Source:ZFIN,Acc:ZDB-GENE-101026-5]	2.399724354	1.232752003	2.480450799	3.647910691

ENSORLG00000009733	rgn11	regulator of G protein signaling 11 [Source:ZFIN;Acc:ZDB-GENE-080220-48]	3.635347953	2.425403686	2.017357908	3.227782668
ENSORLG00000013678	rdpor2	rhodopsin receptor 2 [Source:ZFIN;Acc:ZDB-GENE-041210-60]	2.853946413	0.815583115	1.531629203	3.570477486
ENSORLG00000002068	si.ch211-14507	si.ch211-14507.3 [Source:ZFIN;Acc:ZDB-GENE-061207-6]	8.955826273	4.564742808	2.29394788	6.685494901
ENSORLG00000012280	-	-	1.183159003	-0.178780585	1.922880009	3.285291369
ENSORLG00000002388	-	-	0.965405877	-4.69465389	-0.873202562	4.787348689
ENSORLG00000013991	RAP1GAP	RAP1 GTPase activating protein [Source:HGNC Symbol;Acc:HGNC:9858]	3.202083	1.8593034	2.518311115	3.861578646
ENSORLG00000007741	got1	glutamic-oxaloacetic transaminase 1, soluble [Source:ZFIN;Acc:ZDB-GENE-040426-2003]	1.005572665	-0.800897464	2.494810111	4.301765532
ENSORLG00000013110	gpr7a	growth arrest-specific 7a [Source:ZFIN;Acc:ZDB-GENE-130128-1]	2.30288449	-0.360127593	0.524857899	3.188355104
ENSORLG00000008815	setd9	SET domain containing 9 [Source:NCBI gene;Acc:101164580]	1.875290739	1.191809124	2.361969871	3.045936611
ENSORLG00000000462	-	-	2.572734975	0.102087534	0.654029187	3.125161703
ENSORLG00000007255	lman2a	lectin, mannose-binding 2-like a [Source:ZFIN;Acc:ZDB-GENE-040715-4]	1.807221964	0.128919517	1.393233157	3.072021254
ENSORLG00000004826	pros1	protein S [Source:ZFIN;Acc:ZDB-GENE-061013-657]	-0.223947724	-3.470149937	0.24582025	3.49250778
ENSORLG00000009031	PAX3	paired box 3 [Source:HGNC Symbol;Acc:HGNC:8617]	2.441601099	-11.55178996	2.797042398	16.79049025
ENSORLG00000004395	rfap36	ribA and flagella associated protein 36 [Source:ZFIN;Acc:ZDB-GENE-060421-8162]	1.207103087	0.057041299	2.690978401	3.841525295
ENSORLG00000021781	-	-	2.074702671	0.643766257	1.611545516	3.042966626
ENSORLG00000014869	cyt2h13 (1 of	cytochrome P450, family 2, subfamily N, polypeptide 13 [Source:ZFIN;Acc:ZDB-GENE-041001-158]	2.012197323	0.6803419	1.895802351	3.228142679
ENSORLG00000007832	klf4	IKAROS family zinc finger 4 [Source:ZFIN;Acc:ZDB-GENE-180319-1]	4.700483621	2.269319074	2.301627827	4.733279206
ENSORLG00000004527	-	-	1.155819167	-0.836330068	1.976046702	3.768688859
ENSORLG00000004052	-	-	2.910514997	0.374955977	0.478282638	3.014326621
ENSORLG00000021688	rf00409	-	1.141367907	-12.2245263	2.975643459	16.34208444
ENSORLG00000000606	RAB28	RAB28, member RAS oncogene family [Source:NCBI gene;Acc:101166561]	2.79200953	0.9417344	2.971671621	4.822431701
ENSORLG00000008899	gfod2	glucose-fructose oxidoreductase domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-061103-64]	2.288785652	0.679927941	1.408820523	3.018163161
ENSORLG00000005222	smap2	small ARF47 [Source:ZFIN;Acc:ZDB-GENE-060503-374]	4.740979087	3.246116881	1.587865997	3.083211032
ENSORLG00000003222	rfap57	ribA and flagella associated protein 57 [Source:ZFIN;Acc:ZDB-GENE-110411-266]	5.781193249	1.824371758	2.982422469	6.939727494
ENSORLG00000007349	selu	Oryzias latipes selenoprotein U (selu), mRNA [Source:RefSeq mRNA;Acc:NM_001193545]	2.164214284	-1.142686633	-0.000163222	3.307222486
ENSORLG000000007532	vat1l	vesicle amine transport 1 like [Source:NCBI gene;Acc:101162437]	2.645862378	1.916396663	2.561336147	3.291281512
ENSORLG00000002099	RF00045	small nucleolar RNA SNORA73 family [Source:NCBI gene;Acc:111947163]	15.09758199	12.96485345	1.161906461	3.05102241
ENSORLG00000011211	mett4	methyltransferase like 4 [Source:ZFIN;Acc:ZDB-GENE-130129-2]	1.027089915	-1.075663752	0.962813389	3.066052023
ENSORLG00000001729	calm4a	calmodulin-like 4a [Source:ZFIN;Acc:ZDB-GENE-081022-9]	2.885806503	-0.459665047	0.101144645	3.447101251
ENSORLG000000014280	ngy8tr	neuropeptide Y receptor Y8b [Source:ZFIN;Acc:ZDB-GENE-980526-208]	2.583413502	-1.484796747	-0.066832539	4.001664183
ENSORLG00000015367	rbm41	RNA binding motif protein 41 [Source:ZFIN;Acc:ZDB-GENE-041114-107]	2.297072363	0.049518913	1.07622796	3.324266238
ENSORLG00000014632	-	-	2.110808076	0.537085171	1.450587444	3.024804692
ENSORLG00000005090	dennd4c	DENND4D domain containing 4C [Source:ZFIN;Acc:ZDB-GENE-120727-13]	1.887260864	0.109280107	1.662228956	3.440694748
ENSORLG00000018000	atacyb	ataxia cerebellar, Cayman type b [Source:ZFIN;Acc:ZDB-GENE-070912-200]	3.400816216	0.861066024	0.644911116	3.185145135
ENSORLG00000011789	mpg5b	membrane palmitoylated protein 5 [Source:NCBI gene;Acc:101164939]	0.966478206	-0.784382032	2.819447649	4.570792888
ENSORLG00000015006	cap89	centrosomal protein 89 [Source:ZFIN;Acc:ZDB-GENE-040426-1210]	3.209480888	1.046369935	1.24116133	3.404754534
ENSORLG00000017726	-	-	1.741144308	0.122762811	2.293676897	3.912543436
ENSORLG00000018117	-	-	2.560736883	0.719899817	1.585738119	3.4270599
ENSORLG00000008648	ft172	intraflagellar transport 172 [Source:NCBI gene;Acc:101174877]	2.242145642	-0.172033673	1.055431049	3.470095154
ENSORLG000000005140	zgc138564	chromosome 9 Cpor64 homolog [Source:NCBI gene;Acc:101169613]	-1.066782641	-1.903125258	2.512000385	3.348888099
ENSORLG00000009879	trnm46a	tripartite motif containing 46a [Source:ZFIN;Acc:ZDB-GENE-110825-1]	2.041944114	-1.15725591	1.55729395	4.75697806
ENSORLG00000014269	porcn	porcupine O-acyltransferase [Source:ZFIN;Acc:ZDB-GENE-081108-87]	13.49693565	11.07352571	2.295472951	4.719405275
ENSORLG00000006795	-	-	2.383758203	0.256001274	1.26938621	3.397528415
ENSORLG00000014218	maco1a	macoalin-1 [Source:NCBI gene;Acc:101174517]	1.318424177	-0.034018675	1.873003799	3.225931423
ENSORLG00000009029	-	-	14.63172615	11.64354057	2.329814549	5.314469228
ENSORLG00000017919	e2f5	E2F transcription factor 5 [Source:ZFIN;Acc:ZDB-GENE-030828-3]	2.772556645	0.157719511	0.698465884	3.313787941
ENSORLG00000014062	slc22a16	solute carrier family 22 (organic cation/carnitine transporter), member 16 [Source:ZFIN;Acc:ZDB-GENE-041001-166]	1.266923416	-0.277569079	2.490945587	4.03592306
ENSORLG00000012060	spata6l	spermatogenesis associated 6-like [Source:ZFIN;Acc:ZDB-GENE-040426-1369]	13.86816085	11.63145902	2.794572705	5.021739192
ENSORLG00000014512	-	-	14.20276438	11.40640699	2.296399135	5.095222028
ENSORLG00000017845	chrm5b	cholinergic receptor, muscarinic 5b [Source:ZFIN;Acc:ZDB-GENE-041001-169]	4.786171629	2.266977056	0.626158777	3.145300324
ENSORLG00000021729	RF00231	small Cajal body-specific RNA 13 [Source:NCBI gene;Acc:111947194]	1.082278042	-0.758748597	1.576287992	3.417799689
ENSORLG00000015575	eml1	ectoderm microtubule associated protein like 1 [Source:ZFIN;Acc:ZDB-GENE-060929-156]	2.263729299	0.679257557	1.564999966	3.14994616
ENSORLG00000015707	-	-	4.105824198	3.055208208	2.642469855	3.893568829
ENSORLG00000005234	carmsap1a	calmodulin regulated spectrin-associated protein 1a [Source:ZFIN;Acc:ZDB-GENE-060518-4]	2.527961512	0.85749717	2.444135504	4.115088661
ENSORLG00000014929	dnm2b	dynamin 2b [Source:ZFIN;Acc:ZDB-GENE-040426-2371]	2.578099873	0.122068834	0.577603432	3.054112507
ENSORLG00000022969	-	-	1.503973824	0.169672638	2.097510237	3.432296381
ENSORLG00000027885	-	-	4.281641067	-8.548168865	2.491286586	15.0767996
ENSORLG00000020281	capn5a	histone-lysine N-methyltransferase SETD1A-8 [Source:NCBI gene;Acc:101162613]	0.160732048	-0.177884331	0.157869717	3.514888807
ENSORLG00000001160	-	-	13.42331685	11.282295	2.342398468	4.483888488
ENSORLG00000007181	p14k2ab	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha b [Source:ZFIN;Acc:ZDB-GENE-070912-272]	1.718250311	0.659583909	2.29620071	3.355352022
ENSORLG00000011674	PLPFR1	phospholipid phosphatase related 1 [Source:HGNC Symbol;Acc:HGNC:79993]	3.120829591	0.188378514	1.274097153	4.207032272
ENSORLG00000015668	-	-	3.453238688	1.675362124	2.355939627	4.134315004
ENSORLG00000021524	RF00319	small nucleolar RNA SNORA23 [Source:NCBI gene;Acc:111946815]	2.481347869	-0.787163013	1.892289301	5.161280454
ENSORLG00000003277	ankra2	ankyrin repeat family A member 2 [Source:NCBI gene;Acc:101158120]	1.210863563	-0.301625134	1.67339624	3.186396834
ENSORLG00000004338	wfhag2	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein gamma [Source:NCBI gene;Acc:101160253]	2.852693127	0.475617916	0.755613135	3.133172149
ENSORLG00000000404	-	-	1.793733815	0.469522098	2.476477674	3.801178959
ENSORLG00000001070	slc38a3a	solute carrier family 38, member 3a [Source:ZFIN;Acc:ZDB-GENE-070615-25]	14.95961169	10.57437592	1.661294229	6.047002731
ENSORLG00000009199	dnajp12b	DnaJ heat shock protein family (Hsp40) member B12 [Source:NCBI gene;Acc:101160360]	14.11549483	12.80688992	1.975220006	3.284291739
ENSORLG00000017722	-	-	12.97924476	0	2.672724063	15.63246017

ENSORLG00000002115	-	-	5.55355132	4.213332067	1.933990177	3.274508531
ENSORLG00000001897	-	-	3.023202745	0.496804364	0.545268274	3.072152173
ENSORLG00000005643	klf4	Kruppel-like factor 4 [Source:ZFIN;Acc:ZDB-GENE-1111014-11]	2.621013289	-0.132406069	1.14906219	3.902966087
ENSORLG000000011558	-	-	2.3964969	1.842374541	2.581107373	3.135715358
ENSORLG00000006790	spock2	SPARC (osteonectin), ovov and kazal like domains proteoglycan 2 [Source:ZFIN;Acc:ZDB-GENE-090312-170]	1.9051475	-0.948458889	1.495765476	4.349861693
ENSORLG00000006677	b4galt4	beta-4-galactosyltransferase polypeptide 4 [Source:ZFIN;Acc:ZDB-GENE-0411114-004]	2.607774517	0.979639009	2.684031245	4.312651772
ENSORLG000000008530	camkvl	CaM kinase-like vesicle-associated, like [Source:ZFIN;Acc:ZDB-GENE-090311-58]	14.73242874	12.44358852	1.081253306	3.370561539
ENSORLG000000011245	epb81a	epb81-like 1a [Source:ZFIN;Acc:ZDB-GENE-050306-14]	6.456052442	1.778003405	0.760607653	5.439119289
ENSORLG000000010171	trpc1	transient receptor potential cation channel, subfamily C, member 1 [Source:ZFIN;Acc:ZDB-GENE-070830-1]	-0.674776901	-2.514490055	2.618970691	4.45906294
ENSORLG000000012843	-	-	0.772909858	-0.415459713	2.070228993	3.258083495
ENSORLG00000007936	-	-	2.027127517	0.832346138	2.588748647	3.784014826
ENSORLG000000001255	-	-	2.445709951	0.166238688	2.518630919	4.798597106
ENSORLG000000009203	-	-	3.830419877	-0.838018027	1.4402013384	3.884438743
ENSORLG00000007908	-	-	0.419773955	-0.70466593	2.485585757	3.610510436
ENSORLG000000007751	acacb	acetyl-CoA carboxylase beta [Source:ZFIN;Acc:ZDB-GENE-060526-132]	2.151306933	0.596848065	1.603228164	3.15817227
ENSORLG0000000013163	-	-	3.168868744	0.163243052	1.460915899	4.465025971
ENSORLG000000012824	klhdc2	kelch domain containing 2 [Source:ZFIN;Acc:ZDB-GENE-070410-69]	1.811449406	-0.144402359	1.131236337	3.087573102
ENSORLG00000000969	adcy6b	adenylylate cyclase B [Source:ZFIN;Acc:ZDB-GENE-090127-21]	3.029013452	1.267004359	2.191983924	3.954477806
ENSORLG000000014319	klh122	kelch-like family member 22 [Source:ZFIN;Acc:ZDB-GENE-081104-154]	2.458892587	0.592293624	1.795380524	3.662464538
ENSORLG000000009064	-	-	2.506591621	1.185204572	2.202695787	3.523569900
ENSORLG000000016845	wdr26b	WD repeat domain 26b [Source:ZFIN;Acc:ZDB-GENE-041014-277]	1.894004789	0.08623983	1.571106158	3.379355914
ENSORLG000000003896	brpf3a	bromodomain and PHD finger containing, 3a [Source:ZFIN;Acc:ZDB-GENE-130530-730]	1.85609726	-0.112759879	1.289512157	3.258853984
ENSORLG000000004490	vgl14b	vestibular-like family member 4b [Source:ZFIN;Acc:ZDB-GENE-040406-2443]	2.871547411	-0.226487882	-0.057031009	3.041489263
ENSORLG000000015817	rtm1a	reticulon 1 [Source:NCBI;Gene:Acc:101155557]	2.768196371	0.619749901	1.997917555	4.146848926
ENSORLG000000016230	cipca	CLOCK-interacting pacemaker a [Source:ZFIN;Acc:ZDB-GENE-120509-3]	2.072938155	-0.192021755	1.856273227	4.121718001
ENSORLG000000018008	tube1	tubulin eselon 1 [Source:NCBI;Gene:Acc:105357241]	-0.297772637	-0.742920146	2.790949469	3.23658227
ENSORLG000000000342	flr	fler [Source:ZFIN;Acc:ZDB-GENE-070117-2066]	1.116766201	-0.551672773	1.533809365	3.202733275
ENSORLG000000011665	scot8	acyl-CoA thioesterase 8 [Source:ZFIN;Acc:ZDB-GENE-041010-174]	2.947690981	0.059010127	0.172796252	3.061962023

Table S2. The details of relative RNA expressions quantified by mean TPMs

gene	RNA-seq MeanTPM											
	WTO	WTO	averageWTO	HmO	HmO	averageHmO	HmT	HmT	averageHmT	WTT	WTT	averageWTT
<i>dynll2</i>	1654.542847	1654.522705	1654.532776	2491.56982	2491.61157	2491.5907	216.537933	216.612503	216.575218	21.138573	21.138496	21.1385345
<i>nanos3</i>	74.249474	74.248573	74.2490235	75.266609	75.267868	75.2672385	3.006331	3.007367	3.006849	8.113937	8.113908	8.1139225
<i>igf2bp3</i>	106.600914	106.599617	106.6002655	96.797195	96.798828	96.7980115	6.987148	6.989555	6.9883515	10.473875	10.473838	10.4738565
<i>sycp1</i>	0.987137	0.987125	0.987131	19.553797	19.554125	19.553961	341.741211	341.858887	341.800049	0.087868	0.087868	0.087868
<i>sycp3</i>	3.209434	3.209395	3.2094145	13.548008	13.548236	13.548122	1195.81384	1196.22559	1196.01971	36.060265	36.060135	36.0602
<i>sycp3l</i>	0.836214	0.836204	0.836209	6.428904	6.429011	6.4289575	692.36145	692.599915	692.4806825	75.624466	75.624199	75.6243325
<i>dnaaf1</i>	0.591493	0.591485	0.591489	0.908715	0.908731	0.908723	214.024719	214.098434	214.061577	5.136553	5.136535	5.136544
<i>fkbp7</i>	0.85495	0.854939	0.8549445	7.868912	7.869044	7.868978	100.362503	100.397072	100.3797875	11.918123	11.91808	11.9181015
<i>smc1b</i>	1.148499	1.148485	1.148492	4.136409	4.136478	4.1364435	400.527679	400.665619	400.596649	73.833267	73.833	73.8331335
<i>nanos2</i>	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	16.289652	16.295261	16.2924565	13.118932	13.118885	13.1189085

MeanTPM	WTO	HmO	HmT	WTT
<i>dynll2</i>	1654.532776	2491.590698	216.575218	21.1385345
<i>nanos3</i>	74.2490235	75.2672385	3.006849	8.1139225
<i>igf2bp3</i>	106.6002655	96.7980115	6.9883515	10.4738565
<i>sycp1</i>	0.987131	19.553961	341.800049	0.087868
<i>sycp3</i>	3.2094145	13.548122	1196.019715	36.0602
<i>sycp3l</i>	0.836209	6.4289575	692.4806825	75.6243325
<i>dnaaf1</i>	0.591489	0.908723	214.0615765	5.136544
<i>fkbp7</i>	0.8549445	7.868978	100.3797875	11.9181015
<i>smc1b</i>	1.148492	4.1364435	400.596649	73.8331335
<i>nanos2</i>	0.0001	0.0001	16.2924565	13.1189085

log2MeanTPM	WTO	HmO	HmT	WTT
<i>dynll2</i>	10.69220816	11.28285138	7.758724359	4.401803455
<i>nanos3</i>	6.214300147	6.233950136	1.588252419	3.020399523
<i>igf2bp3</i>	6.736067221	6.596905506	2.804952175	3.388720839
<i>sycp1</i>	-0.018686541	4.289388975	8.417008794	-3.508518333
<i>sycp3</i>	1.682310128	3.760020978	10.22402545	5.172335493
<i>sycp3l</i>	-0.258064524	2.684584814	9.435630016	6.240778598
<i>dnaaf1</i>	-0.75757676	-0.1380875	7.741882049	2.360798003
<i>fkbp7</i>	-0.226097327	2.976176275	6.649324987	3.575082534
<i>smc1b</i>	0.199740807	2.048390876	8.646006543	6.206196483
<i>nanos2</i>	-13.28771238	-13.28771238	4.026132238	3.713575787

Table S3. Rawdata of real-time qPCR quantification

<i>fshr-qfw1 qrv2</i>								
Descriptives					Multiple Comparisons			
tissue					95% Confidence Interval for Mean		Minimum	Maximum
	N	Mean	Std. Deviation	Std. Error	Bound	Bound		
WTO	3	0.8993	0.09425	0.05442	0.6652	1.1334	0.81	1.00
WTT	3	13.0541	0.55760	0.32193	11.6690	14.4393	12.50	13.61
HmO	3	2.2024	0.33668	0.19438	1.3660	3.0387	1.83	2.48
HmT	3	17.8113	3.44067	1.98647	9.2642	26.3585	14.49	21.36
Total	12	8.4918	7.62268	2.20048	3.6486	13.3350	0.81	21.36

Multiple Comparisons							
Dependent Variable: Relative expression							
	(I)tissue	(J)tissue	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Bound	Bound
LSD	WTO	WTT	-12.15481*	1.43012	0.000	-15.4527	-8.8570
		HmO	-1.30306	1.43012	0.389	-4.6009	1.9948
		HmT	-16.91203*	1.43012	0.000	-20.2099	-13.6142
	WTT	WTO	12.15481*	1.43012	0.000	8.8570	15.4527
		HmO	10.85175*	1.43012	0.000	7.5539	14.1496
		HmT	-4.75722*	1.43012	0.010	-8.0551	-1.4594
	HmO	WTO	1.30306	1.43012	0.389	-1.9948	4.6009
		WTT	-10.85175*	1.43012	0.000	-14.1496	-7.5539
		HmT	-15.60897*	1.43012	0.000	-18.9068	-12.3111
	HmT	WTO	16.91203*	1.43012	0.000	13.6142	20.2099
		WTT	4.75722*	1.43012	0.010	1.4594	8.0551
		HmO	15.60897*	1.43012	0.000	12.3111	18.9068

*. The mean difference is significant at the 0.05 level.

<i>mIR202 -Fw1 RV2</i>								
Descriptives					Multiple Comparisons			
tissue					95% Confidence Interval for Mean		Minimum	Maximum
	N	Mean	Std. Deviation	Std. Error	Bound	Bound		
WTO	3	0.0150	0.00095	0.00055	0.0126	0.0173	0.01	0.02
WTT	3	0.9469	0.06631	0.03828	0.7822	1.1117	0.87	1.00
HmO	3	0.0138	0.00031	0.00018	0.0130	0.0145	0.01	0.01
HmT	3	1.2402	0.11681	0.06744	0.9500	1.5303	1.11	1.32
Total	12	0.5540	0.57674	0.16649	0.1875	0.9204	0.01	1.32

Multiple Comparisons							
Dependent Variable: Relative expression							
	(I)tissue	(J)tissue	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Bound	Bound
LSD	WTO	WTT	-.93197*	0.05484	0.000	-1.0584	-0.8055
		HmO	0.00120	0.05484	0.983	-0.1253	0.1277
		HmT	-1.22520*	0.05484	0.000	-1.3517	-1.0987
	WTT	WTO	.93197*	0.05484	0.000	0.8055	1.0584
		HmO	.93317*	0.05484	0.000	0.8067	1.0596
		HmT	-.29323*	0.05484	0.001	-0.4197	-0.1668
	HmO	WTO	-0.00120	0.05484	0.983	-0.1277	0.1253
		WTT	-.93317*	0.05484	0.000	-1.0596	-0.8067
		HmT	-1.22640*	0.05484	0.000	-1.3529	-1.0999
	HmT	WTO	1.22520*	0.05484	0.000	1.0987	1.3517
		WTT	.29323*	0.05484	0.001	0.1668	0.4197
		HmO	1.22640*	0.05484	0.000	1.0999	1.3529

*. The mean difference is significant at the 0.05 level.

<i>mIR202-Fw1 RV3</i>								
Descriptives					Multiple Comparisons			
tissue					95% Confidence Interval for Mean		Minimum	Maximum
	N	Mean	Std. Deviation	Std. Error	Bound	Bound		

Multiple Comparisons							
Dependent Variable: Relative expression							
	(I)tissue	(J)tissue	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Bound	Bound

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Bound	Bound		
WTO	3	0.9928	0.01877	0.01084	0.9462	1.0395	0.97	1.01
WTT	3	91.8090	8.89793	5.13722	69.7053	113.9126	83.96	101.48
HmO	3	1.2960	0.09214	0.05320	1.0671	1.5249	1.23	1.40
HmT	3	128.9333	16.18183	9.34258	88.7354	169.1312	112.21	144.51
Total	12	55.7578	59.19227	17.08734	18.1488	93.3668	0.97	144.51

	(I)tissue	(J)tissue	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Bound	Bound
LSD	WTO	WTT	-90.81612 [*]	7.53916	0.000	-108.2015	-73.4308
		HmO	-0.30315	7.53916	0.969	-17.6885	17.0822
		HmT	-127.94051 [*]	7.53916	0.000	-145.3258	-110.5552
		WTT	90.81612 [*]	7.53916	0.000	73.4308	108.2015
		HmO	90.51297 [*]	7.53916	0.000	73.1276	107.8983
		HmT	-37.12438 [*]	7.53916	0.001	-54.5097	-19.7390
	HmO	WTO	0.30315	7.53916	0.969	-17.0822	17.6885
		WTT	-90.51297 [*]	7.53916	0.000	-107.8983	-73.1276
		HmT	-127.63736 [*]	7.53916	0.000	-145.0227	-110.2520
		WTO	127.94051 [*]	7.53916	0.000	110.5552	145.3258
		WTT	37.12438 [*]	7.53916	0.001	19.7390	54.5097
		HmO	127.63736 [*]	7.53916	0.000	110.2520	145.0227

*. The mean difference is significant at the 0.05 level.

sycp1-qfw1 qrv2

Descriptives								
tissue	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Bound	Bound		
WTO	3	1.0584	0.21097	0.12180	0.5343	1.5824	0.88	1.29
WTT	3	102.5576	15.21259	8.78299	64.7674	140.3477	89.88	119.43
HmO	3	1.1831	0.08517	0.04917	0.9715	1.3947	1.09	1.25
HmT	3	146.4302	27.73978	16.01557	77.5207	215.3396	119.43	174.85
Total	12	62.8073	67.79111	19.56961	19.7349	105.8797	0.88	174.85

Multiple Comparisons							
Dependent Variable:							
	(I)tissue	(J)tissue	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Bound	Bound
LSD	WTO	WTT	-101.49922 [*]	12.91620	0.000	-131.2840	-71.7144
		HmO	-0.12473	12.91620	0.993	-29.9096	29.6601
		HmT	-145.37182 [*]	12.91620	0.000	-175.1566	-115.5870
		WTT	101.49922 [*]	12.91620	0.000	71.7144	131.2840
		HmO	101.37448 [*]	12.91620	0.000	71.5897	131.1593
		HmT	-43.87260 [*]	12.91620	0.009	-73.6574	-14.0878
	HmO	WTO	0.12473	12.91620	0.993	-29.6601	29.9096
		WTT	-101.37448 [*]	12.91620	0.000	-131.1593	-71.5897
		HmT	-145.24708 [*]	12.91620	0.000	-175.0319	-115.4623
		WTO	145.37182 [*]	12.91620	0.000	115.5870	175.1566
		WTT	43.87260 [*]	12.91620	0.009	14.0878	73.6574
		HmO	145.24708 [*]	12.91620	0.000	115.4623	175.0319

*. The mean difference is significant at the 0.05 level.

sycp3-qfw1 qrv2

Descriptives								
tissue	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Bound	Bound		
WTO	3	0.9828	0.05599	0.03233	0.8437	1.1219	0.92	1.03
WTT	3	183.9994	15.61559	9.01567	145.2081	222.7907	166.57	196.72

Multiple Comparisons							
Dependent Variable:							
	(I)tissue	(J)tissue	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Bound	Bound
LSD	WTO	WTT	-183.01665 [*]	15.65159	0.000	-219.1093	-146.9240
		HmO	0.02461	15.65159	0.999	-36.0680	36.1172

HmO	3	0.9582	0.17357	0.10021	0.5270	1.3893	0.84	1.16
HmT	3	251.7009	35.01362	20.21512	164.7223	338.6796	229.13	292.04
Total	12	109.4103	117.13447	33.81381	34.9866	183.8340	0.84	292.04

		HmT	-250.71816*	15.65159	0.000	-286.8108	-214.6255
	WTT	WTO	183.01665*	15.65159	0.000	146.9240	219.1093
		HmO	183.04125*	15.65159	0.000	146.9486	219.1339
		HmT	-67.70151*	15.65159	0.003	-103.7941	-31.6089
	HmO	WTO	-0.02461	15.65159	0.999	-36.1172	36.0680
		WTT	-183.04125*	15.65159	0.000	-219.1339	-146.9486
		HmT	-250.74277*	15.65159	0.000	-286.8354	-214.6501
	HmT	WTO	250.71816*	15.65159	0.000	214.6255	286.8108
		WTT	67.70151*	15.65159	0.003	31.6089	103.7941
		HmO	250.74277*	15.65159	0.000	214.6501	286.8354

*. The mean difference is significant at the 0.05 level.

dynll2-qfw3 qrv4

Descriptives								
tissue								
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Bound	Bound		
WTO	3	1.0237	0.02972	0.01716	0.9498	1.0975	1.00	1.06
WTT	3	0.1027	0.00321	0.00185	0.0948	0.1107	0.10	0.11
HmO	3	0.7307	0.02557	0.01476	0.6671	0.7942	0.71	0.76
HmT	3	0.3223	0.02637	0.01522	0.2568	0.3878	0.30	0.35
Total	12	0.5448	0.37304	0.10769	0.3078	0.7819	0.10	1.06

Multiple Comparisons							
Dependent Variable:							
	(I)tissue	(J)tissue	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Bound	Bound
LSD	WTO	WTT	.92091*	0.01933	0.000	0.8763	0.9655
		HmO	.29301*	0.01933	0.000	0.2484	0.3376
		HmT	.70135*	0.01933	0.000	0.6568	0.7459
	WTT	WTO	-.92091*	0.01933	0.000	-0.9655	-0.8763
		HmO	-.62791*	0.01933	0.000	-0.6725	-0.5833
		HmT	-.21956*	0.01933	0.000	-0.2641	-0.1750
	HmO	WTO	-.29301*	0.01933	0.000	-0.3376	-0.2484
		WTT	.62791*	0.01933	0.000	0.5833	0.6725
		HmT	.40834*	0.01933	0.000	0.3638	0.4529
	HmT	WTO	-.70135*	0.01933	0.000	-0.7459	-0.6568
		WTT	.21956*	0.01933	0.000	0.1750	0.2641
		HmO	-.40834*	0.01933	0.000	-0.4529	-0.3638

*. The mean difference is significant at the 0.05 level.

nanos2-fw3 rv4

Descriptives								
tissue								
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Bound	Bound		
WTT	3	1.0406	0.03965	0.02289	0.9421	1.1391	1.00	1.08
WTO	3	0.0609	0.01440	0.00831	0.0251	0.0966	0.05	0.07
HmT	3	5.2188	0.14736	0.08508	4.8527	5.5848	5.13	5.39
HmO	2	0.0153	0.00516	0.00365	-0.0310	0.0617	0.01	0.02
Total	11	1.7265	2.28530	0.68904	0.1912	3.2618	0.01	5.39

Multiple Comparisons							
Dependent Variable:							
	(I)tissue	(J)tissue	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Bound	Bound
LSD	WTT	WTO	.97971*	0.06691	0.000	0.8215	1.1379
		HmT	-4.17822*	0.06691	0.000	-4.3364	-4.0200
		HmO	1.02524*	0.07481	0.000	0.8483	1.2021
	WTO	WTT	-.97971*	0.06691	0.000	-1.1379	-0.8215
		HmT	-5.15793*	0.06691	0.000	-5.3162	-4.9997
		HmO	0.04552581	0.07481	0.562	-0.1314	0.2224
	HmT	WTT	4.17822*	0.06691	0.000	4.0200	4.3364
		WTO	5.15793*	0.06691	0.000	4.9997	5.3162

		HmO	5.20346*	0.07481	0.000	5.0266	5.3804
	HmO	WTT	-1.02524*	0.07481	0.000	-1.2021	-0.8483
		WTO	-0.0455258	0.07481	0.562	-0.2224	0.1314
		HmT	-5.20346*	0.07481	0.000	-5.3804	-5.0266
*. The mean difference is significant at the 0.05 level.							

nanos3 -Fw Rv

Descriptives								
tissue								
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Bound	Bound		
WTT	3	0.8084	0.16853	0.09730	0.3898	1.2271	0.68	1.00
WTO	3	8.7765	0.77311	0.44635	6.8560	10.6970	8.17	9.65
HmT	3	2.8339	1.15698	0.66798	-0.0402	5.7080	2.16	4.17
HmO	3	13.3003	0.14105	0.08144	12.9499	13.6507	13.18	13.45
Total	12	6.4298	5.18470	1.49669	3.1356	9.7240	0.68	13.45

Multiple Comparisons							
Dependent Variable:							
	(I)tissue	(J)tissue	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Bound	Bound
LSD	WTT	WTO	-7.96808*	0.57512	0.000	-9.2943	-6.6418
		HmT	-2.02550*	0.57512	0.008	-3.3517	-0.6993
		HmO	-12.49188*	0.57512	0.000	-13.8181	-11.1656
	WTO	WTT	7.96808*	0.57512	0.000	6.6418	9.2943
		HmT	5.94258*	0.57512	0.000	4.6163	7.2688
		HmO	-4.52380*	0.57512	0.000	-5.8500	-3.1976
	HmT	WTT	2.02550*	0.57512	0.008	0.6993	3.3517
		WTO	-5.94258*	0.57512	0.000	-7.2688	-4.6163
		HmO	-10.46637*	0.57512	0.000	-11.7926	-9.1401
	HmO	WTT	12.49188*	0.57512	0.000	11.1656	13.8181
		WTO	4.52380*	0.57512	0.000	3.1976	5.8500
		HmT	10.46637*	0.57512	0.000	9.1401	11.7926
*. The mean difference is significant at the 0.05 level.							

Table S4. Primer sets for RT PCR and real-time PCR analysis

qPCR Primer name	primer (5'-3')	bases	Size(bp)
<i>fshr</i> qfw1	CCGAGAAGCAGATCAAAGTG	20	244
<i>fshr</i> qrv2	TGGAGCGACTGCCTAGCAATAC	22	
<i>miR202</i> Fw1	CAGACAGGTGAGTCCTCTTC	20	284
<i>miR202</i> RV2	CATGTCAAAGAAGTATATGC	20	
<i>miR202</i> Fw1	CAGACAGGTGAGTCCTCTTC	20	491
<i>miR202</i> RV3	GCCTGAAGATTTAACTGATTC	21	
<i>sycp3</i> qfw1	CCATGGCCAGAGGAAGAAGACAAC	24	226
<i>sycp3</i> qrv2	CATCTCCTCCATGTTCTTCACA	22	
<i>sycp1</i> qfw1	CATTCCAGGGTCACCTGAG	19	303
<i>sycp1</i> qrv2	CAAAGTGCAGTTCTTGAAT	18	
<i>dynll2</i> qfw3	GCATATGTCAAGAAGGAAT	19	257
<i>dynll2</i> qrv4	GTGCAACACTACCATCATGA	20	
ola <i>sycp3-hdac8</i> fw1	ccagtggagaaggtggacag	20	As variants
ola <i>sycp3</i> exonVI Rv2	gtagtttcttctgcagcgtggcc	23	
<i>nanos2</i> fw3	ATGGCCTCGGTGCAAACAACCTG	22	215
<i>nanos2</i> rv4	CTGCTGACGGAGCTCGTCTCTG	22	
<i>nanos3</i> Fw	ATGTCAGACGTGGAGTCTG	19	190
<i>nanos3</i> Rv	GCATGTCTCTGTTCAAGTC	19	
<i>actin</i> R	CCTCCAATCCAGACAGAGTATT	22	733
<i>actin</i> F	TTCAACAGCCCTGCCATGTAC	21	
<i>Actin</i> QF	GTGCTGTCTTTCCCTCCATC	20	168
<i>Actin</i> QR	TCTCCATGTATCCCAAGTTG	20	

Table S5. Functional annotation and clustering of enriched KEGG pathways responsive to Gsdf signaling

KEGG_up										
ID	Description	GeneRatio	BgRatio	pvalue	p.adjust	qvalue	geneID	Count	Rich.factor	
ola03440	Homologous recombination	2/9	40/6707	0.001216018	0.017024	0.01408	sycp3/sycp3l	2	37.261111111	
ola03320	PPAR signaling pathway	2/9	83/6707	0.005148573	0.03604	0.029808	fabp7a/fads2	2	17.95716198	
ola00592	alpha-Linolenic acid metabolis	1/9	26/6707	0.034372981	0.160407	0.132668	fads2	1	28.66239316	
ola01040	Biosynthesis of unsaturated fat	1/9	43/6707	0.056275817	0.196965	0.162904	fads2	1	17.33074935	
ola00240	Pyrimidine metabolism	1/9	67/6707	0.086445596	0.202413	0.167409	nme3	1	11.12271973	
ola00983	Drug metabolism - other enzy	1/9	69/6707	0.088920606	0.202413	0.167409	nme3	1	10.80032206	
ola01212	Fatty acid metabolism	1/9	79/6707	0.10120648	0.202413	0.167409	fads2	1	9.433192686	
ola04260	Cardiac muscle contraction	1/9	132/6707	0.163896159	0.262716	0.217284	atp1a3b	1	5.645622896	
ola00230	Purine metabolism	1/9	166/6707	0.202035859	0.262716	0.217284	nme3	1	4.489290495	
ola01240	Biosynthesis of cofactors	1/9	167/6707	0.203133807	0.262716	0.217284	nme3	1	4.462408516	
ola04217	Necroptosis	1/9	170/6707	0.206419598	0.262716	0.217284	chmp6a	1	4.383660131	
ola04261	Adrenergic signaling in cardior	1/9	227/6707	0.266603952	0.311038	0.257249	atp1a3b	1	3.282917279	
ola04144	Endocytosis	1/9	340/6707	0.374057698	0.382856	0.316648	chmp6a	1	2.191830065	
ola04020	Calcium signaling pathway	1/9	350/6707	0.382855745	0.382856	0.316648	p2rx1	1	2.129206349	
remark: Rich factor=GeneRatio/BgRatio										

KEGG_down										
ID	Description	GeneRatio	BgRatio	pvalue	p.adjust	qvalue	geneID	Count	Rich.factor	
ola00561	Glycerolipid metabolism	2/13	71/6707	0.007992756	0.14387	0.134615	plpp4/dgat2	2	14.53304442	
ola04512	ECM-receptor interaction	2/13	107/6707	0.017537304	0.157836	0.147683	frem1b/lamb3	2	9.643421999	
ola00515	Mannose type O-glycan biosyn	1/13	28/6707	0.052979059	0.181999	0.170292	fut4	1	18.42582418	
ola00790	Folate biosynthesis	1/13	29/6707	0.05482234	0.181999	0.170292	tph1a	1	17.79045093	
ola00601	Glycosphingolipid biosynthesis	1/13	35/6707	0.065812657	0.181999	0.170292	fut4	1	14.74065934	
ola04514	Cell adhesion molecules	2/13	224/6707	0.068000063	0.181999	0.170292	cldn15a/claudin-3	2	4.606456044	
ola04530	Tight junction	2/13	256/6707	0.085832789	0.181999	0.170292	cldn15a/claudin-3	2	4.030649038	
ola02010	ABC transporters	1/13	48/6707	0.089221523	0.181999	0.170292	abcc12	1	10.74839744	
ola00380	Tryptophan metabolism	1/13	49/6707	0.090999586	0.181999	0.170292	tph1a	1	10.52904239	
ola00480	Glutathione metabolism	1/13	74/6707	0.134423285	0.241962	0.226397	anpepb	1	6.971933472	
ola00564	Glycerophospholipid metabolis	1/13	111/6707	0.195186363	0.319396	0.29885	plpp4	1	4.647955648	
ola04145	Phagosome	1/13	167/6707	0.279699671	0.364423	0.34098	ctsl.1	1	3.089359742	
ola04142	Lysosome	1/13	170/6707	0.283987162	0.364423	0.34098	ctsl.1	1	3.034841629	
ola04140	Autophagy - animal	1/13	184/6707	0.30368574	0.364423	0.34098	ctsl.1	1	2.803929766	
ola04210	Apoptosis	1/13	184/6707	0.30368574	0.364423	0.34098	ctsl.1	1	2.803929766	
ola04510	Focal adhesion	1/13	269/6707	0.412938829	0.464556	0.434672	lamb3	1	1.917929654	
ola04144	Endocytosis	1/13	340/6707	0.491822991	0.502111	0.469812	dab2	1	1.517420814	
ola04020	Calcium signaling pathway	1/13	350/6707	0.502111228	0.502111	0.469812	ntrk3b	1	1.474065934	
remark: Rich factor=GeneRatio/BgRatio										

Table S6. The proportion of Spg2a and Spg2b among the entire EdU positive spermatogonia of normal and *gsdf*-deficient XY testes

EdU+ Germ cells	normal testes (<i>gsdf</i> ^{+/+} XY)			Gsdf-deficient testes (<i>gsdf</i> ^{-/-} XY)		
	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
SpgB	32	37	10	35	55	36
SpgB2a	3	4	1	7	7	9
SpgB2b	29	33	9	28	48	27
SpgB2a /SpgB	0.094	0.108	0.1	0.2	0.127	0.25
Average rate	10.06%			19.24%		
SD	0.00343			0.00379		

Table S7 Specific antibodies for immunostaining and Western blot analysis

Antibody	Animal	Company	Antigen	Dilution of working solution	Note
α -PIWIL1	rabbit	BBI Life Sciences	fusion protein of human PIWIL1	1:1000	D221136
α -Sycp3	mouse	Abcam	Hamster COR1/SCP3 protein (expressed as 6x His fusion in bacteria and purified on a Talon under denaturing conditions)	1:1000	Ab97672
β -actin (HRP-direct)	mouse	MBL Co.Ltd	β -actin	1:10000	PM053-7
α -rabbit IgG (HRP)	goat	Abcam	(H+L Chains)(HRP)	1:1000	ab205718
α -mouse IgG (HRP)	goat	Abcam	(H+L Chains)(HRP)	1:1000	ab205719

Table S8. Proportional distribution of normal and *gsdf*^{-/-} gonadal germ cells in prophase of meiosis

stage tissue	leptotene			zygotene			pachytene			M I phase		
	number	Average	STD	number	Average	STD	number	Average	STD	number	Average	STD
WTT	32	33.4	4.1	18	18.0	2.0	25	24.0	2.6	24	20.7	3.1
WTT	38			20			26			20		
WTT	30			16			21			18		
HmT	36	33.4	2.5	40	35.3	4.2	11	10.7	3.5	5	5.3	2.5
HmT	33			32			14			8		
HmT	31			34			7			3		
WTO	22	19.0	3.0	40	40.7	3.1	27	23.7	3.1	5	5.3	1.5
WTO	16			44			23			7		
WTO	19			38			21			4		
HmO	58	55.0	3.0	84	80.0	4.0	29	26.7	2.1	9	7.3	1.5
HmO	52			80			25			7		
HmO	55			76			26			6		

