

Supplemental Table S7: 35dpf trunk RNA-seq data, genes differentially expressed between <i>nr5a1b</i> mutants and wildtypes.									
EnsemblID	baseMean	log2FoldChange	lfcSE	stat	pvalue	padj	EnsemblGeneName	ZFIN_ID	ZFIN_Name
ENSDARG00000103024	8.506805503	-49.32999122	4.263613685	-11.56999552	5.84857E-31	1.29347E-26	zgc:175136	ZDB-GENE-080204-122	zgc:175136
ENSDARG00000045424	21.77831196	-25.98322449	2.350123005	-11.05611257	2.04782E-28	2.26448E-24	zgc:173856	ZDB-GENE-030131-5358	zgc:173856
ENSDARG00000092924	26.87528586	-26.4261695	2.633508164	-10.03458803	1.07407E-23	7.91803E-20	zgc:171474	ZDB-GENE-080215-16	zgc:171474
ENSDARG00000028367	24.46912077	-3.375835036	0.359690536	-9.385387443	6.26855E-21	3.46588E-17	sult2st3	ZDB-GENE-061117-4	sult2st3
ENSDARG00000006580	8.787611977	-37.02369314	4.209126735	-8.796050932	1.41715E-18	6.26835E-15	clndnd	ZDB-GENE-010328-4	clndnd
ENSDARG00000078394	4.975737802	-40.27222138	4.869228061	-8.270760964	1.33107E-16	4.90631E-13	CABZ01059627.1		
ENSDARG00000093704	4.751079804	-23.88867713	3.237535043	-7.378662103	1.59888E-13	5.05155E-10	si:dkeyp-46h3.8	ZDB-GENE-060503-183	si:dkeyp-46h3.8
ENSDARG00000079034	21.34392507	-5.487421663	0.752102075	-7.296112919	2.962E-13	8.18846E-10	si:dkey-19b23.11	ZDB-GENE-030131-6199	si:dkey-19b23.11
ENSDARG00000007465	7.343648742	-4.78059209	0.67478282	-7.08463812	1.39408E-12	3.42572E-09	tldr1	ZDB-GENE-070803-1	tldr1
ENSDARG00000041699	9.842091584	-4.496921113	0.642838477	-6.995413737	2.64477E-12	5.84918E-09	piwil1	ZDB-GENE-030813-2	piwil1
ENSDARG00000070052	9.515912892	-3.813489118	0.554283239	-6.880036861	5.98371E-12	1.20305E-08	tldr6	ZDB-GENE-041001-210	tldr6
ENSDARG00000036180	11.6321778	-4.105554778	0.620927241	-6.611974003	3.79229E-11	6.98918E-08	ccnb2	ZDB-GENE-030429-12	ccnb2
ENSDARG00000075301	15.78589951	-2.391359814	0.368600692	-6.487670443	8.71737E-11	1.48303E-07	gsdf	ZDB-GENE-101029-3	gsdf
ENSDARG00000096095	9.562828454	-6.108891391	0.946176597	-6.456396626	1.07225E-10	1.69385E-07	buc	ZDB-GENE-070117-694	buc
ENSDARG00000074289	16.57294797	-4.750133618	0.747730221	-6.352737239	2.11517E-10	3.1186E-07	tuba4l	ZDB-GENE-030131-5588	tuba4l
ENSDARG00000069758	3.849424386	-6.458331796	1.033608715	-6.248333339	4.14856E-10	5.70142E-07	si:dkey-189g17.2	ZDB-GENE-030131-5562	si:dkey-189g17.2
ENSDARG00000008454	9.086910879	-5.971852599	0.957065051	-6.239756213	4.38253E-10	5.70142E-07	cpeb1b	ZDB-GENE-990927-1	cpeb1b
ENSDARG00000014373	7.630342945	-5.225069094	0.842348196	-6.202980094	5.54038E-10	6.80729E-07	ddx4	ZDB-GENE-990415-272	ddx4
ENSDARG00000020749	8.084687246	-5.954155087	0.967504307	-6.154138071	7.54869E-10	8.78668E-07	caprin2	ZDB-GENE-040812-2	caprin2
ENSDARG00000069251	24.82923085	-8.831184505	1.446191219	-6.106512328	1.01832E-09	1.12606E-06	si:dkeyp-50f7.2	ZDB-GENE-030131-5968	si:dkeyp-50f7.2
ENSDARG00000036214	1.847073678	-5.956730395	0.992770763	-6.000106588	1.97188E-09	2.07667E-06	dazl	ZDB-GENE-000405-6	dazl
ENSDARG00000033566	5.085319212	-2.371273197	0.397346706	-5.967768602	2.4052E-09	2.33449E-06	cyp17a1	ZDB-GENE-040213-2	cyp17a1
ENSDARG00000092885	21.33582157	-25.9501906	4.349503598	-5.966241897	2.4278E-09	2.33449E-06	zgc:171977	ZDB-GENE-070822-24	zgc:171977
ENSDARG00000070709	30.584484	-8.597416243	1.444800478	-5.950590669	2.67177E-09	2.46203E-06	wu:fi42e03	ZDB-GENE-030131-6284	wu:fi42e03
ENSDARG00000014039	4.000310908	-5.235135678	0.883015024	-5.9287051	3.05333E-09	2.7011E-06	si:dkeyp-93d12.1	ZDB-GENE-041014-303	si:dkeyp-93d12.1
ENSDARG00000056387	4.087708094	-4.910549177	0.830805571	-5.910587683	3.40889E-09	2.80054E-06	rnf17	ZDB-GENE-030131-6451	rnf17
ENSDARG00000043963	27.98078069	-2.161885235	0.366057233	-5.90586674	3.50797E-09	2.80054E-06	si:ch211-241j12.3	ZDB-GENE-040724-72	si:ch211-241j12.3
ENSDARG00000008835	5.383861129	-23.90514949	4.048902238	-5.904106367	3.54563E-09	2.80054E-06	si:dkey-46g23.5	ZDB-GENE-030131-9306	si:dkey-46g23.5
ENSDARG00000039828	9.65399588	-5.966974188	1.025046693	-5.821173051	5.8436E-09	4.45645E-06	zp3b	ZDB-GENE-031124-2	zp3b
ENSDARG00000100528	4.811134859	-5.592361486	0.964282775	-5.799503663	6.65115E-09	4.90323E-06	map1lc3c	ZDB-GENE-040426-1080	map1lc3c
ENSDARG00000099060	24.91848828	-9.286371317	1.618070605	-5.739163228	9.51455E-09	6.78786E-06	zgc:111868	ZDB-GENE-050809-138	zgc:111868
ENSDARG00000037995	6.38186848	-5.107496778	0.890860236	-5.733218943	9.85423E-09	6.8105E-06	gdf3	ZDB-GENE-980526-389	gdf3
ENSDARG00000094055	8.339087859	-3.41534121	0.596337596	-5.727194181	1.02105E-08	6.84291E-06	si:dkey-88l16.3	ZDB-GENE-030131-6015	si:dkey-88l16.3
ENSDARG00000026787	15.49249049	-1.436656262	0.251965468	-5.701798242	1.1855E-08	7.71134E-06	aqp7	ZDB-GENE-030131-6461	aqp7
ENSDARG00000090870	40.26331531	-11.59477928	2.050021706	-5.655930007	1.55005E-08	9.79452E-06	si:ch1073-263o8.2	ZDB-GENE-030131-5362	si:ch1073-263o8.2
ENSDARG00000062601	5.403200956	-3.917126352	0.695950546	-5.628455032	1.81831E-08	1.11705E-05	piwil2	ZDB-GENE-060526-345	piwil2
ENSDARG00000097559	8.300124602	-2.279577544	0.407541539	-5.593485142	2.22556E-08	1.33029E-05	cyp8b3	ZDB-GENE-040912-153	cyp8b3
ENSDARG00000075191	16.82518752	2.025943633	0.364124846	5.563870898	2.63855E-08	1.53564E-05	oacyl	ZDB-GENE-090710-2	oacyl
ENSDARG00000051854	15.15447836	-2.449745133	0.442686141	-5.533819352	3.13332E-08	1.77683E-05	cdt1	ZDB-GENE-070111-1	cdt1
ENSDARG00000013453	4.703768791	-3.730422015	0.676713224	-5.512559657	3.53652E-08	1.95534E-05	tldr9		
ENSDARG00000092052	26.05752373	-2.170402987	0.394107238	-5.507138106	3.64714E-08	1.96732E-05	gstk4	ZDB-GENE-060421-6530	gstk4
ENSDARG00000039208	103.3672746	-1.730918556	0.315841159	-5.480345129	4.24497E-08	2.23528E-05	nasp	ZDB-GENE-030131-5511	nasp
ENSDARG00000015657	14.01905667	-2.5381197	0.46429625	-5.466595298	4.58762E-08	2.35953E-05	zgc:77112	ZDB-GENE-040426-2219	zgc:77112
ENSDARG00000115978	13.24877026	-4.304730181	0.78846996	-5.459599481	4.7721E-08	2.39863E-05	AL935186.9		
ENSDARG00000003701	5.354620319	-7.153576715	1.312189671	-5.451633155	4.99093E-08	2.45288E-05	clndng	ZDB-GENE-010328-7	clndng
ENSDARG00000019706	9.293315543	-5.441976112	1.001776046	-5.43232805	5.56235E-08	2.67428E-05	zar1	ZDB-GENE-030818-1	zar1
ENSDARG00000037532	4.291787297	-4.822290583	0.892909793	-5.400646988	6.6401E-08	3.12452E-05	mcm3l	ZDB-GENE-040121-2	mcm3l

ENSDARG0000002745	1090.714489	0.481884404	0.089833816	5.36417604	8.13196E-08	3.69173E-05	tdh	ZDB-GENE-040426-2379	tdh
ENSDARG00000023479	9.768034571	-6.276005807	1.170683872	-5.360974007	8.27744E-08	3.69173E-05	lrp13	ZDB-GENE-130729-1	lrp13
ENSDARG0000000887	4.401186429	-3.54186814	0.660860663	-5.359477931	8.34628E-08	3.69173E-05	zgc:56699	ZDB-GENE-040426-2099	zgc:56699
ENSDARG00000055523	163.2827773	1.058710971	0.198398996	5.336271808	9.48771E-08	4.11432E-05	slc22a6l	ZDB-GENE-040426-2249	slc22a6l
ENSDARG00000055250	7.502568723	-7.109736488	1.35491929	-5.247350554	1.54302E-07	6.56259E-05	si:ch211-132b12.8	ZDB-GENE-030131-5453	si:ch211-132b12.8
ENSDARG00000095281	45.24238569	-9.999437693	1.907365192	-5.242539675	1.58381E-07	6.60898E-05	zgc:152652	ZDB-GENE-060818-27	zgc:152652
ENSDARG00000008541	14.6036298	-2.559287557	0.490891075	-5.213554878	1.85256E-07	7.58725E-05	chia.4	ZDB-GENE-030131-9279	chia.4
ENSDARG00000071450	3.622310297	-3.97154615	0.767231365	-5.176464791	2.2613E-07	9.00299E-05	tdrd5	ZDB-GENE-050208-502	tdrd5
ENSDARG00000032808	2.815566552	-5.54556971	1.071714308	-5.174485091	2.2854E-07	9.00299E-05	tdrd7a	ZDB-GENE-040426-2103	tdrd7a
ENSDARG00000056462	7.944938204	-4.889388909	0.945421447	-5.171650089	2.32036E-07	9.00299E-05	crp2	ZDB-GENE-030131-5826	crp2
ENSDARG00000056339	2.094263541	-4.601197878	0.900764356	-5.108103853	3.25408E-07	0.000124081	stk31	ZDB-GENE-140106-59	stk31
ENSDARG00000078638	15.44667221	-25.51123501	5.042430299	-5.059313366	4.20769E-07	0.000156586	zgc:171750	ZDB-GENE-071004-30	zgc:171750
ENSDARG00000017602	144.1515917	0.88589216	0.175164431	5.057488859	4.24813E-07	0.000156586	ccng2	ZDB-GENE-021016-1	ccng2
ENSDARG00000095486	5.762329285	-30.14994636	5.970611435	-5.049725089	4.42446E-07	0.000160412	CU467646.2		
ENSDARG00000115817	13.85680544	-30.11580358	5.970314145	-5.04425778	4.55285E-07	0.000162405	si:dkey-46g23.2	ZDB-GENE-070705-476	si:dkey-46g23.2
ENSDARG00000090768	16.57710413	-9.19015996	1.834149504	-5.010583893	5.42651E-07	0.000190496	zp3.2	ZDB-GENE-071004-54	zgc:173556
ENSDARG00000090768	16.57710413	-9.19015996	1.834149504	-5.010583893	5.42651E-07	0.000190496	zp3.2	ZDB-GENE-050626-121	zp3.2
ENSDARG00000060112	5.556578412	-3.262302576	0.655612408	-4.975962221	6.49243E-07	0.000224354	sybu	ZDB-GENE-060929-1202	sybu
ENSDARG00000019208	9.701048629	-2.01964356	0.407146814	-4.960479836	7.03193E-07	0.000239259	camsap1a	ZDB-GENE-060518-4	camsap1a
ENSDARG00000035957	19.98072838	-2.031317332	0.415437078	-4.889590837	1.01046E-06	0.000338595	gmnn	ZDB-GENE-030429-30	gmnn
ENSDARG00000044774	5.807763861	-3.462846985	0.712483094	-4.860251442	1.17237E-06	0.000383447	pou5f3	ZDB-GENE-980526-485	pou5f3
ENSDARG00000044323	3.286386638	-3.634476259	0.747967428	-4.859137074	1.17898E-06	0.000383447	zgc:193690	ZDB-GENE-080721-12	zgc:193690
ENSDARG00000102892	14.64996812	-9.08978942	1.885979513	-4.819664985	1.43799E-06	0.000460909	h1m	ZDB-GENE-030131-5614	h1m
ENSDARG00000099247	5.252380094	-3.558250638	0.739520802	-4.811562604	1.49755E-06	0.00047314	si:dkey-68o6.5	ZDB-GENE-030131-5416	si:dkey-68o6.5
ENSDARG00000004529	2.766389635	-4.494466145	0.936905357	-4.797139982	1.60947E-06	0.000501339	zgc:173742	ZDB-GENE-030131-6489	zgc:173742
ENSDARG00000004823	2.032907526	-5.104340824	1.070897298	-4.766414887	1.87533E-06	0.000576039	asz1	ZDB-GENE-040426-988	asz1
ENSDARG00000101652	16.96255046	-1.69776914	0.356437549	-4.763160176	1.90584E-06	0.000577393	haus6	ZDB-GENE-030131-5517	haus6
ENSDARG00000042129	10.64015137	-7.296542044	1.536668562	-4.748286146	2.05148E-06	0.000613114	zp3a.1	ZDB-GENE-040727-1	zp3a.1
ENSDARG00000014402	1.715586943	-4.796345641	1.017450136	-4.714084231	2.428E-06	0.000715969	smc1b	ZDB-GENE-091217-1	smc1b
ENSDARG00000051923	43.84884501	-1.76957481	0.375969777	-4.706694313	2.51766E-06	0.000732639	ccnb1	ZDB-GENE-000406-10	ccnb1
ENSDARG00000014357	3.385509596	-3.217187592	0.693782809	-4.637168215	3.53215E-06	0.001014507	amh	ZDB-GENE-050706-192	amh
ENSDARG00000028295	23.11905057	-1.597425683	0.345128067	-4.628501226	3.68322E-06	0.001044334	mkrn4	ZDB-GENE-030131-5954	mkrn4
ENSDARG00000087330	33.02536412	-0.807357016	0.175105845	-4.610679984	4.01354E-06	0.001123588	maza	ZDB-GENE-110603-4	maza
ENSDARG00000088524	4.051002146	-2.294884641	0.500300149	-4.587015708	4.49627E-06	0.001242993	acot17	ZDB-GENE-040426-2381	acot17
ENSDARG00000087392	15.91016015	-10.29311115	2.247142723	-4.580532887	4.63793E-06	0.001252879	si:ch73-160p18.3	ZDB-GENE-141212-268	si:ch73-160p18.3
ENSDARG00000034989	10.57493606	-8.682777673	1.895720465	-4.580199367	4.64533E-06	0.001252879	retsatl	ZDB-GENE-051113-252	retsatl
ENSDARG00000040266	4.658260534	-3.087782691	0.678322169	-4.552088713	5.31159E-06	0.001415316	sox19b	ZDB-GENE-010111-1	sox19b
ENSDARG00000055973	4.059680521	-27.0177086	5.970813528	-4.524962716	6.04062E-06	0.001580106	zar1l	ZDB-GENE-060810-119	zar1l
ENSDARG00000059507	23.6779285	0.904722088	0.199990112	4.523834094	6.07293E-06	0.001580106	si:dkey-163m14.2	ZDB-GENE-120215-47	si:dkey-163m14.2
ENSDARG00000079957	1.828023984	-4.744674421	1.062609749	-4.465114709	8.00259E-06	0.002035144	eloal	ZDB-GENE-131029-2	eloal
ENSDARG00000003904	3.728765986	-3.247016792	0.727210978	-4.465027196	8.00586E-06	0.002035144	sycp1	ZDB-GENE-040910-6	sycp1
ENSDARG00000012718	2.594447728	-3.916276756	0.879397149	-4.453365308	8.45347E-06	0.002094335	wee2	ZDB-GENE-030131-5682	wee2
ENSDARG00000052433	0.872496317	-3.975046154	0.892745086	-4.452610512	8.48326E-06	0.002094335	inha	ZDB-GENE-060503-554	inha
ENSDARG00000016177	71.85271595	-0.826019631	0.185555161	-4.451612269	8.5228E-06	0.002094335	eif4enif1	ZDB-GENE-050320-113	eif4enif1
ENSDARG00000071727	11.8033103	-8.382145268	1.88587846	-4.444690071	8.80187E-06	0.002139144	si:dkey-37o8.1	ZDB-GENE-030131-5667	si:dkey-37o8.1
ENSDARG00000096229	3.302355466	-3.475950738	0.782851708	-4.440113884	8.99113E-06	0.002161389	si:dkey-260c8.8	ZDB-GENE-030131-5375	si:dkey-260c8.8
ENSDARG00000069744	2.35429704	-5.196684605	1.171159581	-4.437213075	9.11311E-06	0.002167156	mos	ZDB-GENE-040428-3	mos
ENSDARG00000058574	44.42284094	-0.61334591	0.138745163	-4.420665168	9.83975E-06	0.002315064	abcg2c	ZDB-GENE-050517-37	abcg2c
ENSDARG00000075737	12.90956288	-8.533824676	1.931598825	-4.418010906	9.96134E-06	0.002319	zgc:165518	ZDB-GENE-070720-15	zgc:165518

ENSDARG0000069031	8.368760124	1.592981606	0.362450762	4.395028991	1.10758E-05	0.002534469	plac8l1	ZDB-GENE-091204-165	plac8l1
ENSDARG00000011371	140.4107802	-0.759375525	0.172832174	-4.39371622	1.11429E-05	0.002534469	zgc:64106	ZDB-GENE-040426-1370	zgc:64106
ENSDARG00000012485	16.12274783	-1.756803845	0.399999852	-4.392011233	1.12307E-05	0.002534469	aurka	ZDB-GENE-040801-161	aurka
ENSDARG00000004405	5.894809932	-2.559231573	0.583130141	-4.388782872	1.13987E-05	0.002546396	snx10a	ZDB-GENE-050809-44	snx10a
ENSDARG00000041723	29.63809375	-1.455224856	0.332149128	-4.381239435	1.18006E-05	0.002609823	zgc:55461	ZDB-GENE-040426-2879	zgc:55461
ENSDARG00000094992	2.189712385	-4.797338153	1.097239323	-4.372189413	1.23007E-05	0.002693482	otx1	ZDB-GENE-980526-400	otx1
ENSDARG00000040732	3.7050744	-7.016178964	1.606891692	-4.366304836	1.26366E-05	0.002739914	elavl2	ZDB-GENE-040704-9	elavl2
ENSDARG00000097556	12.12683591	-1.290377828	0.296346136	-4.354292732	1.33497E-05	0.002865041	cyp8b2	ZDB-GENE-080212-9	cyp8b2
ENSDARG00000115205	11.98062755	-8.013307667	1.841173893	-4.352281823	1.34728E-05	0.002865041	zgc:171445	ZDB-GENE-080205-2	zgc:171445
ENSDARG00000034503	232.8437607	1.287250142	0.296653525	4.339237641	1.42978E-05	0.003011522	per2	ZDB-GENE-011220-2	per2
ENSDARG00000079782	95.72279038	-5.739487144	1.329866567	-4.315836855	1.58999E-05	0.003317387	myh7l	ZDB-GENE-061027-393	myh7l
ENSDARG00000093044	89.53704323	1.93415892	0.448649222	4.311071601	1.62465E-05	0.003358021	si:ch211-161h7.5	ZDB-GENE-091204-265	si:ch211-161h7.5
ENSDARG00000102366	13.1090728	-1.90618933	0.442515971	-4.307617028	1.65023E-05	0.003379914	mical12a	ZDB-GENE-030131-5409	mical12a
ENSDARG00000010332	5.223919382	-7.575761503	1.76027469	-4.303738244	1.6794E-05	0.003407489	zgc:56231	ZDB-GENE-040426-1914	zgc:56231
ENSDARG00000087187	5.23822879	-2.32631321	0.543520387	-4.28008455	1.86822E-05	0.003756148	grip2a	ZDB-GENE-081104-132	grip2a
ENSDARG00000096603	5.599978172	-2.683041376	0.62780428	-4.273690801	1.92264E-05	0.003830723	bmb	ZDB-GENE-030131-5577	bmb
ENSDARG00000094392	32.88691462	-9.343919426	2.200095996	-4.247050784	2.16603E-05	0.004277133	si:dkey-229d11.5	ZDB-GENE-030131-5342	si:dkey-229d11.5
ENSDARG0000016538	2.197746638	-4.238218938	1.002248326	-4.228711418	2.35034E-05	0.004600003	zgc:55888	ZDB-GENE-040426-834	zgc:55888
ENSDARG00000070542	73.1423772	0.848525918	0.201247415	4.216332021	2.48308E-05	0.004817177	mafbb	ZDB-GENE-010605-4	mafbb
ENSDARG00000074163	3.299192559	-3.173605621	0.754108502	-4.208420422	2.57162E-05	0.004945562	zgc:162879	ZDB-GENE-070424-92	zgc:162879
ENSDARG00000016908	11.99639237	-9.166095863	2.182694208	-4.199441145	2.67575E-05	0.005101448	zgc:171779	ZDB-GENE-071004-38	zgc:171779
ENSDARG00000045051	26.51522229	-1.435247637	0.34196481	-4.197062374	2.70399E-05	0.005111244	slc16a3	ZDB-GENE-030131-5487	slc16a3
ENSDARG00000061778	12.28927138	-1.716901463	0.409347145	-4.194243159	2.73784E-05	0.005131365	fmn2b	ZDB-GENE-080225-35	fmn2b
ENSDARG00000029822	6468.840016	1.03935111	0.248115781	4.18897624	2.80216E-05	0.005207774	cel.2	ZDB-GENE-061110-10	cel.2
ENSDARG00000091558	3.905836102	-4.33606142	1.037778346	-4.178215357	2.93805E-05	0.005414833	si:ch211-251f6.7	ZDB-GENE-091113-57	si:ch211-251f6.7
ENSDARG00000009942	18.60678543	-1.444464887	0.34813098	-4.149199497	3.3364E-05	0.006098166	cdc6	ZDB-GENE-050506-131	cdc6
ENSDARG00000059917	4.588057711	-2.306728181	0.558066452	-4.133429226	3.5739E-05	0.006478726	ccnj	ZDB-GENE-100721-4	ccnj
ENSDARG00000054374	3.75746687	-6.930146227	1.685231545	-4.112281336	3.91768E-05	0.007044188	alg13	ZDB-GENE-060307-1	alg13
ENSDARG00000037491	1.159150839	-5.251453599	1.280134866	-4.102265891	4.09124E-05	0.00729692	bmp15	ZDB-GENE-030131-6115	bmp15
ENSDARG00000042213	6.538810301	-2.152096756	0.526101316	-4.090650772	4.30164E-05	0.007610814	si:ch211-233h19.2	ZDB-GENE-061009-14	si:ch211-233h19.2
ENSDARG00000002330	1.292463966	-5.455073806	1.334533546	-4.087625839	4.3581E-05	0.007649508	lhx8a	ZDB-GENE-031008-2	lhx8a
ENSDARG00000104643	2.037701381	-3.349456093	0.820410712	-4.082657679	4.45236E-05	0.007709545	tuba7l	ZDB-GENE-040704-78	tuba7l
ENSDARG00000061221	2.250625296	-3.804595663	0.932006954	-4.082153728	4.46203E-05	0.007709545	si:ch211-157j23.2	ZDB-GENE-030131-5686	si:ch211-157j23.2
ENSDARG00000079589	131.5848738	-4.700986621	1.15553917	-4.068167268	4.73844E-05	0.008123663	si:dkeyp-73d8.6	ZDB-GENE-070912-683	si:dkeyp-73d8.6
ENSDARG00000044811	93.10199102	0.460560004	0.114038411	4.038639268	5.37622E-05	0.009146186	cdk9	ZDB-GENE-030131-321	cdk9
ENSDARG00000071009	21.36726493	-1.109527801	0.276216519	-4.016877067	5.89745E-05	0.009956331	kif20ba	ZDB-GENE-041111-213	kif20ba
ENSDARG00000086112	47.94473976	-1.025475607	0.255435073	-4.014623344	5.95408E-05	0.009971707	si:ch211-266i6.3	ZDB-GENE-030131-5420	si:ch211-266i6.3
ENSDARG00000020289	4.914608185	-2.729524799	0.680180914	-4.012939413	5.99673E-05	0.009971707	pif1	ZDB-GENE-030131-4928	pif1
ENSDARG00000113246	1.573710341	-5.030388325	1.259939158	-3.992564477	6.53626E-05	0.010787748	CABZ01051901.1		
ENSDARG00000102636	2.630149099	-2.729697818	0.686124732	-3.978427959	6.93724E-05	0.011315883	trmt9b	ZDB-GENE-030131-4851	trmt9b
ENSDARG00000006604	21.95873732	-1.27930847	0.321620353	-3.97769749	6.95858E-05	0.011315883	nectin3b	ZDB-GENE-050327-14	nectin3b
ENSDARG00000045423	22.06476979	-10.86741883	2.733959049	-3.974974985	7.03867E-05	0.011362564	si:ch211-146i10.8	ZDB-GENE-160113-6	si:ch211-146i10.8
ENSDARG00000018542	4.385820049	-1.983928422	0.499895751	-3.968684303	7.22706E-05	0.011582141	hapln4	ZDB-GENE-060503-243	hapln4
ENSDARG00000040081	2.146549227	-4.060099363	1.024780617	-3.961920526	7.43493E-05	0.01182956	zp3d.1	ZDB-GENE-030131-5827	zp3d.1
ENSDARG00000025386	5.158199785	-6.495190642	1.643737169	-3.951477625	7.76701E-05	0.012193154	lsm14b	ZDB-GENE-040426-779	lsm14b
ENSDARG00000069192	7.380566364	-2.094821332	0.530173826	-3.951197193	7.77612E-05	0.012193154	zgc:163030	ZDB-GENE-060810-77	zgc:163030
ENSDARG00000097414	40.24083625	-1.232484551	0.31206158	-3.949491481	7.83174E-05	0.012193154	si:ch211-106e7.2	ZDB-GENE-031116-72	si:ch211-106e7.2
ENSDARG00000070178	1.427928611	-4.502960608	1.140596489	-3.947899762	7.88398E-05	0.012193154	zp3d.2	ZDB-GENE-030131-5363	zp3d.2
ENSDARG00000100185	5.440194487	-2.916473894	0.740824529	-3.936794451	8.25773E-05	0.012682494	elovl7b	ZDB-GENE-030131-5485	elovl7b

ENSDARG00000105479	23.4411577	-1.0785006	0.274113736	-3.934500387	8.33699E-05	0.012715927	si:ch211-126c2.4	ZDB-GENE-030131-3087	si:ch211-126c2.4
ENSDARG00000069790	13.36774316	-1.448850057	0.369082414	-3.925546174	8.65332E-05	0.013107997	dynll2a	ZDB-GENE-030828-11	dynll2a
ENSDARG00000069065	26.48999436	-0.918442733	0.23424939	-3.920790278	8.82591E-05	0.013278484	btg3	ZDB-GENE-031113-19	btg3
ENSDARG00000025174	2.63365499	-5.335503004	1.374776866	-3.880995625	0.00010403	0.015545413	zgc:103482	ZDB-GENE-041010-115	zgc:103482
ENSDARG00000053575	1.268407183	-4.363026846	1.126658841	-3.872535935	0.000107709	0.015987165	gpat2	ZDB-GENE-050309-118	gpat2
ENSDARG00000019763	48.95424928	-1.694993297	0.441454102	-3.839568577	0.000123251	0.018084261	acp5a	ZDB-GENE-040426-2864	acp5a
ENSDARG00000044485	3.821111697	-2.967392245	0.772934198	-3.839126609	0.000123473	0.018084261	sall4	ZDB-GENE-060328-2	sall4
ENSDARG00000058471	46.34395225	-1.114206818	0.292219994	-3.812904118	0.000137343	0.01992823	plk1	ZDB-GENE-021115-7	plk1
ENSDARG00000044514	7.0564573	-1.982500627	0.520072768	-3.811967765	0.000137865	0.01992823	st6gal1	ZDB-GENE-060322-3	st6gal1
ENSDARG00000075008	7.290309911	-1.57848657	0.414821155	-3.805221961	0.000141677	0.020346301	pask	ZDB-GENE-030131-1394	pask
ENSDARG00000052375	1.851318015	-2.961328171	0.779228212	-3.800334902	0.000144501	0.020617914	zgc:66455	ZDB-GENE-040426-1642	zgc:66455
ENSDARG00000104034	21.56236765	-1.278950421	0.337407859	-3.790517577	0.000150334	0.021312692	arid3b	ZDB-GENE-070209-182	arid3b
ENSDARG00000038812	2.819066884	-2.639049397	0.696975692	-3.786429608	0.000152827	0.021528216	e2f5	ZDB-GENE-030828-3	e2f5
ENSDARG00000086529	3.637523651	-5.81323574	1.535955085	-3.784769358	0.000153851	0.021535272	si:dkey-90l23.2	ZDB-GENE-041008-200	si:dkey-90l23.2
ENSDARG00000089567	6.27235762	-7.154130854	1.893980245	-3.777299617	0.000158538	0.022051734	patl2	ZDB-GENE-121214-350	patl2
ENSDARG00000079241	9.123095778	-1.198354596	0.317471236	-3.774687148	0.000160209	0.022144833	wdr90	ZDB-GENE-070424-67	wdr90
ENSDARG00000079467	9.566629182	-1.494786269	0.396851199	-3.766616484	0.000165475	0.022730701	si:ch73-15b2.5	ZDB-GENE-030131-5406	si:ch73-15b2.5
ENSDARG00000077620	60.7239628	-0.93851526	0.249824253	-3.756701881	0.000172167	0.023504037	cdca7a	ZDB-GENE-050417-29	cdca7a
ENSDARG00000011094	34.9555632	-1.173229756	0.313802472	-3.738752433	0.000184936	0.025092262	ccna2	ZDB-GENE-020418-1	ccna2
ENSDARG00000095463	5.497370877	-6.872445749	1.841607905	-3.73176382	0.000190144	0.025641578	si:ch73-90k17.1	ZDB-GENE-090312-218	si:ch73-90k17.1
ENSDARG00000006003	22.95466035	-1.085637595	0.291559057	-3.723559844	0.000196433	0.026329201	mycla	ZDB-GENE-040426-2439	mycla
ENSDARG00000098414	19.10683734	-1.061017669	0.285420078	-3.71738974	0.000201292	0.026817887	ninl	ZDB-GENE-130530-768	ninl
ENSDARG00000005454	60.60589329	-0.896307565	0.241273162	-3.714907855	0.000203278	0.026920304	tacc3	ZDB-GENE-050522-327	tacc3
ENSDARG00000077089	15.4036217	-1.054478078	0.284044847	-3.712364749	0.000205332	0.027030464	blm	ZDB-GENE-070702-5	blm
ENSDARG00000100741	31.8817518	-1.271544018	0.343109136	-3.705946261	0.000210603	0.027560325	cdc20	ZDB-GENE-040426-2044	cdc20
ENSDARG00000011262	5.579288125	-1.482548649	0.402164116	-3.686426983	0.000227425	0.02953744	traip	ZDB-GENE-040801-30	traip
ENSDARG00000024904	11.46726433	-1.618434773	0.439152779	-3.685357015	0.000228382	0.02953744	stil	ZDB-GENE-020419-39	stil
ENSDARG00000068465	3.085370513	-4.90794222	1.334663166	-3.677289031	0.000235726	0.030309964	zgc:136254	ZDB-GENE-060421-3062	zgc:136254
ENSDARG00000014565	1.722905832	-3.750492788	1.021902303	-3.67010895	0.000242447	0.03099399	eif4e1b	ZDB-GENE-980526-127	eif4e1b
ENSDARG00000098739	6.27345322	-5.758714929	1.571419873	-3.664657059	0.00024767	0.031479739	h2af1al		
ENSDARG00000004460	15.61122614	-1.004588569	0.274607502	-3.658270668	0.000253923	0.032061154	desi2	ZDB-GENE-040801-39	desi2
ENSDARG00000016570	144.2095526	0.556129328	0.152070863	3.657040653	0.000255144	0.032061154	prlra	ZDB-GENE-080103-2	prlra
ENSDARG00000077638	2.359358942	-2.527722573	0.692708176	-3.649043941	0.000263218	0.032888876	zgc:171965	ZDB-GENE-070820-20	zgc:171965
ENSDARG00000105034	6.62278708	-1.631207894	0.447705927	-3.643480681	0.000268976	0.033419494	zdhhc18b	ZDB-GENE-030131-6315	zdhhc18b
ENSDARG00000074656	38.1249723	-1.46763207	0.403165035	-3.640276175	0.000272346	0.033649156	ctss2.1	ZDB-GENE-050522-559	ctss2.1
ENSDARG00000053558	6.451465959	-2.091244924	0.575002513	-3.636931797	0.000275905	0.033899521	rtkn2a	ZDB-GENE-041010-225	rtkn2a
ENSDARG00000035990	397.5780914	0.539604975	0.148514373	3.633351879	0.000279763	0.034183648	cited4a	ZDB-GENE-030131-7661	cited4a
ENSDARG00000030756	130.7230981	-0.903378523	0.24882882	-3.630522073	0.000282849	0.034338826	dnmt1	ZDB-GENE-990714-15	dnmt1
ENSDARG00000039117	467.0147218	0.370535747	0.102094312	3.629347605	0.000284138	0.034338826	tefa	ZDB-GENE-990415-264	tefa
ENSDARG00000087393	5.346282055	-1.913902597	0.528195139	-3.623476355	0.00029067	0.034937245	prr11	ZDB-GENE-091118-97	prr11
ENSDARG00000029432	1.679065962	-3.440053995	0.950072564	-3.620832897	0.000293656	0.035105401	tph1a	ZDB-GENE-030317-1	tph1a
ENSDARG00000019195	41.50796361	-0.833258234	0.230529344	-3.614543034	0.000300878	0.035775346	vps9d1	ZDB-GENE-050306-57	vps9d1
ENSDARG00000004713	15.27287285	-1.169241517	0.32513204	-3.596205148	0.000322893	0.038187732	mad2l1	ZDB-GENE-030515-3	mad2l1
ENSDARG00000115428	2.628613401	-4.073030212	1.13491246	-3.588849673	0.00033214	0.039032854	CABZ01101813.1		
ENSDARG00000058725	9.354173695	2.990903943	0.833647898	3.587730444	0.000333569	0.039032854	rfesd	ZDB-GENE-050417-254	rfesd
ENSDARG00000023900	34.17251741	-0.803397275	0.224123007	-3.58462653	0.000337561	0.039292087	casd1	ZDB-GENE-060503-329	casd1
ENSDARG00000042688	4.429223209	-2.236065849	0.624363167	-3.581354519	0.000341817	0.03957924	bora	ZDB-GENE-041114-165	bora
ENSDARG00000005355	37.76374141	-0.987397779	0.27645003	-3.571704361	0.000354666	0.040853049	larp6a	ZDB-GENE-030131-6403	larp6a
ENSDARG00000116005	12.85333341	-10.00837462	2.808782414	-3.563243124	0.000366301	0.041974693	zgc:171446	ZDB-GENE-080205-1	zgc:171446

ENSDARG00000055622	2.881173194	-2.591827679	0.732741639	-3.537164454	0.000404448	0.046107043	zgc:153345	ZDB-GENE-061103-487	zgc:153345
ENSDARG00000008278	9.488545653	-1.249851565	0.353535889	-3.535289077	0.000407329	0.046197408	rcor2	ZDB-GENE-040426-1812	rcor2
ENSDARG00000078567	194.5547317	0.665086374	0.188634702	3.525790147	0.000422221	0.047642083	lonrf1l	ZDB-GENE-081104-397	lonrf1l
ENSDARG00000018566	182.6244641	-0.974964281	0.276803537	-3.522224798	0.000427941	0.047934279	flnca	ZDB-GENE-070503-1	flnca
ENSDARG00000004702	71.45637761	0.563904088	0.160132716	3.521479567	0.000429146	0.047934279	irf2bp2a	ZDB-GENE-030131-7809	irf2bp2a
ENSDARG00000068387	240.2880273	0.842835776	0.239830296	3.514300695	0.000440913	0.04900121	slc6a18	ZDB-GENE-080219-9	slc6a18
ENSDARG00000089802	1.63980811	-6.025273727	1.71618063	-3.510862214	0.000446656	0.049391203	akap1a	ZDB-GENE-030131-5980	akap1a
ENSDARG00000017917	1.515517599	-4.186946261	1.195173284	-3.503212728	0.000459682	0.050578763	her7	ZDB-GENE-000427-6	her7
ENSDARG00000070434	21.36927845	-0.766691081	0.219459497	-3.493542499	0.000476657	0.052050226	rhov	ZDB-GENE-031002-10	rhov
ENSDARG00000043236	8.820878287	-8.04330291	2.302742055	-3.492923966	0.000477763	0.052050226	ccna1	ZDB-GENE-040311-2	ccna1
ENSDARG00000042232	30.4950228	-0.552153731	0.158634556	-3.480664896	0.000500171	0.054224403	specc1lb	ZDB-GENE-090423-1	specc1lb
ENSDARG00000114552	6.486766574	-1.852177303	0.533831145	-3.469593935	0.000521246	0.056233518	siva1	ZDB-GENE-050506-57	siva1
ENSDARG00000037403	11.3164799	-1.064467613	0.306919972	-3.468225303	0.000523908	0.056246339	si:dkey-4p15.3	ZDB-GENE-121214-31	si:dkey-4p15.3
ENSDARG00000105626	1.144275373	-4.768537611	1.376201469	-3.464999651	0.000530232	0.056650312	adad2	ZDB-GENE-130530-788	adad2
ENSDARG00000079578	30.64046228	-1.094942341	0.317719193	-3.446258097	0.000568407	0.060436989	rbpms2b	ZDB-GENE-040426-741	rbpms2b
ENSDARG00000028976	12.59791764	-1.08818135	0.316146462	-3.442016542	0.000577395	0.061098883	pus3	ZDB-GENE-030131-9433	pus3
ENSDARG00000042063	3.018582718	-3.913041356	1.141827451	-3.426998846	0.000610292	0.064272431	si:ch211-145c1.1	ZDB-GENE-070912-81	si:ch211-145c1.1
ENSDARG00000093216	25.73287077	-10.27878527	3.003519378	-3.42224703	0.000621059	0.06509636	si:ch211-146l10.7	ZDB-GENE-091112-4	si:ch211-146l10.7
ENSDARG00000060109	30.04494609	0.618435848	0.180813281	3.420301006	0.000625519	0.065254594	aggf1	ZDB-GENE-060929-836	aggf1
ENSDARG00000068840	1.965008413	-6.248844833	1.828157419	-3.418110918	0.000630574	0.065473124	zgc:66024	ZDB-GENE-040426-1511	zgc:66024
ENSDARG00000056151	136.8035178	0.552030665	0.161690997	3.414108861	0.00063991	0.066132009	tyrp1b	ZDB-GENE-040718-249	tyrp1b
ENSDARG00000075048	205.5960192	0.674654619	0.197880963	3.409396287	0.000651068	0.066972215	lonrf1	ZDB-GENE-101021-4	lonrf1
ENSDARG00000042527	8.315462084	-1.077459434	0.316328296	-3.406143071	0.000658876	0.067285905	unga	ZDB-GENE-040426-900	unga
ENSDARG00000044437	9.819678842	-1.203812132	0.353480804	-3.405594073	0.000660203	0.067285905	cdca5	ZDB-GENE-030131-235	cdca5
ENSDARG00000087094	2.75298835	-2.45222485	0.720862579	-3.401792411	0.000669455	0.06791587	foxa	ZDB-GENE-990415-76	foxa
ENSDARG00000055575	118.6300142	0.355987957	0.104898832	3.393631262	0.000689725	0.069652772	pcolce2b	ZDB-GENE-040426-1177	pcolce2b
ENSDARG00000077288	11.99470152	-1.490382997	0.440254249	-3.385277937	0.000711062	0.07148114	si:ch211-188c16.1	ZDB-GENE-070912-162	si:ch211-188c16.1
ENSDARG00000089967	15.58612377	-1.033364593	0.305434106	-3.383265241	0.000716294	0.071681275	si:ch211-59o9.10	ZDB-GENE-101206-1	si:ch211-59o9.10
ENSDARG00000069926	1.996948122	-1.823474853	0.53983489	-3.377838092	0.000730581	0.072781646	hsd3b1	ZDB-GENE-081105-30	hsd3b1
ENSDARG00000099801	2.66403747	-2.827844523	0.838267225	-3.373440403	0.000742351	0.073622592	topaz1	ZDB-GENE-130117-1	topaz1
ENSDARG00000061794	206.4710441	0.362032258	0.107442577	3.369541831	0.000752933	0.074338651	jam3b	ZDB-GENE-030131-441	jam3b
ENSDARG00000006640	7.149025592	-1.566726324	0.465380282	-3.366550722	0.000761146	0.074815561	eomesa	ZDB-GENE-001228-1	eomesa
ENSDARG00000039020	10.120603	-1.488116491	0.442413243	-3.363634601	0.000769233	0.075275931	fbxo5	ZDB-GENE-030131-4027	fbxo5
ENSDARG00000002347	3.01121969	-5.054117605	1.50505941	-3.358085117	0.000784844	0.076465282	cyp11a1	ZDB-GENE-010306-1	cyp11a1
ENSDARG00000037739	29.55971053	-0.888960698	0.264853221	-3.356427739	0.000789564	0.07658766	zgc:112980	ZDB-GENE-050306-1	zgc:112980
ENSDARG00000023002	7.775266181	-1.357683129	0.404958128	-3.352650644	0.000800417	0.077075947	dtl	ZDB-GENE-020419-34	dtl
ENSDARG00000089399	254.4265041	0.799811971	0.238589387	3.352252921	0.000801568	0.077075947	tmem176l.2	ZDB-GENE-080829-12	tmem176l.2
ENSDARG00000076473	20.07099878	-0.795726241	0.237598304	-3.349040069	0.000810921	0.077637756	trim37	ZDB-GENE-030131-2957	trim37
ENSDARG00000104114	16.25111754	-1.187803355	0.354822977	-3.347594239	0.000815163	0.07770749	kmt5ab	ZDB-GENE-071004-17	kmt5ab
ENSDARG00000092919	1.14857605	-5.10145724	1.52540204	-3.344336185	0.000824797	0.078115478	zp3c	ZDB-GENE-060817-5	zp3c
ENSDARG00000102145	7.204450791	-1.090993642	0.326277321	-3.343761802	0.000826507	0.078115478	ccdc77	ZDB-GENE-050913-54	ccdc77
ENSDARG00000089861	36.57622327	-0.542233711	0.162294481	-3.341048364	0.000834627	0.078422779	usp44	ZDB-GENE-040426-774	usp44
ENSDARG00000016117	25.19040757	-0.879674854	0.263351284	-3.340309718	0.00083685	0.078422779	exd2	ZDB-GENE-030131-6387	exd2
ENSDARG00000075113	8.560896995	-8.688317678	2.605710937	-3.334336727	0.000855031	0.079788445	nanog	ZDB-GENE-030131-5486	nanog
ENSDARG00000068181	202.3066343	0.531124855	0.159743078	3.324869288	0.0008846	0.082200895	dpep1	ZDB-GENE-061013-388	dpep1
ENSDARG00000045768	218.1186905	0.477587298	0.143824837	3.320617698	0.000898185	0.082568987	cry1a	ZDB-GENE-010426-2	cry1a
ENSDARG00000040725	14.29354158	-1.116460534	0.336251927	-3.320309699	0.000899176	0.082568987	zgc:114130	ZDB-GENE-050913-48	zgc:114130
ENSDARG00000091869	15.98656156	-0.805178893	0.242514406	-3.320128096	0.000899762	0.082568987	zgc:171727	ZDB-GENE-030131-6002	zgc:162958
ENSDARG00000091869	15.98656156	-0.805178893	0.242514406	-3.320128096	0.000899762	0.082568987	zgc:171727	ZDB-GENE-071004-26	zgc:171727

ENSDARG00000045815	12.97649522	-1.235829448	0.374505192	-3.299899369	0.000967195	0.088390435	mcm10	ZDB-GENE-041210-42	mcm10
ENSDARG00000039217	25.64829766	-0.816086035	0.247616043	-3.295772061	0.000981516	0.089330088	orc1	ZDB-GENE-030131-6960	orc1
ENSDARG00000073961	3.342613513	-2.013808131	0.612365168	-3.288573934	0.001006963	0.091237468	si:ch211-160j14.2	ZDB-GENE-091118-113	si:ch211-160j14.2
ENSDARG00000100199	20.7412474	1.507240574	0.458472819	3.287524388	0.001010724	0.091237468	si:ch1073-185p12.2	ZDB-GENE-110411-196	si:ch1073-185p12.2
ENSDARG00000005462	50.31704727	-0.89386913	0.272352829	-3.282026232	0.00103064	0.092657065	kif4	ZDB-GENE-040426-1545	kif4
ENSDARG00000100236	5.357761148	-1.229312496	0.375495899	-3.273837338	0.001060977	0.094998218	cspp1a	ZDB-GENE-120709-73	cspp1a
ENSDARG00000005095	2.843912382	-2.324870244	0.710513556	-3.272098364	0.001067524	0.095199061	glcea	ZDB-GENE-040630-9	glcea
ENSDARG00000094857	79.91667923	0.931190422	0.284720188	3.27054582	0.001073402	0.095338747	dio2	ZDB-GENE-030327-4	dio2
ENSDARG00000090814	48.20103479	0.821408157	0.251330698	3.268236491	0.001082199	0.095735651	si:dkey-18a10.3	ZDB-GENE-091204-174	si:dkey-18a10.3
ENSDARG00000002589	60.12782273	2.325219135	0.714863796	3.252674351	0.001143244	0.099687401	mylpfb	ZDB-GENE-040912-115	mylpfb
ENSDARG00000057830	6.377902412	-1.591759091	0.489638493	-3.250886348	0.001150458	0.099687401	dnmt3bb.2	ZDB-GENE-990712-11	dnmt3bb.2
ENSDARG00000075022	1.001643624	-4.838210081	1.48828181	-3.250869592	0.001150526	0.099687401	si:ch211-93e11.8	ZDB-GENE-121214-283	si:ch211-93e11.8
ENSDARG00000027495	1.052962738	-3.400792279	1.046368955	-3.250089047	0.001153689	0.099687401	elovl4b	ZDB-GENE-030131-7672	elovl4b
ENSDARG00000001910	266.1563054	0.367705985	0.113147876	3.249782467	0.001154933	0.099687401	rorab	ZDB-GENE-040426-855	rorab
ENSDARG00000099612	1.186596521	-4.106299139	1.263711304	-3.249396539	0.001156501	0.099687401	zgc:66483	ZDB-GENE-030131-5765	zgc:66483
ENSDARG00000007671	217.6649865	0.469426326	0.144518858	3.248201191	0.001161371	0.099687401	ghrb	ZDB-GENE-071119-4	ghrb
ENSDARG00000089181	1.199671608	-3.677576963	1.132321787	-3.24781966	0.00116293	0.099687401	adad1	ZDB-GENE-030131-6285	adad1