

Supplementary Table 1. Quantitative PCR primer sequences used for the analysis of genes involved in zebrafish sex determination and apoptosis

Gene Symbol	Oligo	Primer Sequence	Annealing Temperature (°C)	Amplification product (bp)
<i>ef1a</i>	Forward	GTACTACTCTTCTTGATGCCC	60	114
	Reverse	GTACAGTTCCAATACCTCCA	60	
<i>18S</i>	Forward	GGAACGCTGAAAGAGAAATGAAATAACCCG	60	106
	Reverse	TCTCTTTGCCTAGTGGTGTGGCT	60	
<i>zp2</i>	Forward	GAAATGCAGTCACTGTCCAG	60	300
	Reverse	GAACCTCAAACCTGGCTGTCT	60	
<i>cyp19a1a</i>	Forward	GGAGACATTGTGCGTGTCTGGA	60	320
	Reverse	AGAATGTCCAGCTGTCCTTGAGCA	60	
<i>cyp11c1</i>	Forward	TCCACTACCCATAGAAGCCAGCA	60	362
	Reverse	TGCAGTGAGTTCCATAGAGTTGGC	60	
<i>wt1a</i>	Forward	AATGGGTTCTGATGTTTCGTGACCTCA	60	200
	Reverse	GGTCAGCTGTTCCCCAACTGG	60	
<i>sox9a</i>	Forward	TCGGGTGCAGCACAAAGAAAGATCA	60	263
	Reverse	CTTTGCCTGGCTGTGTGTCAAGTTT	60	
<i>amh</i>	Forward	AAACAAAGTGGCCTCAAGGGTGTG	60	390
	Reverse	TCATCGTACTGCTGCTATCCACCT	60	
<i>bc12</i>	Forward	TCTTCGAGTTTGGTGGGACCATGT	60	159
	Reverse	CGTACATCTCCACGAAGGCATCC	60	
<i>casp3a</i>	Forward	ACTGGATCCTGGTGTGGAACTGA	60	220
	Reverse	CCTGGTCATGATCTGCAAGAGC	60	
<i>casp8</i>	Forward	GCTGATTTCCCTGATCGGAATGGC	60	277
	Reverse	GTGTGTCCAGTCAATCCCTCAGC	60	
<i>dap3</i>	Forward	AACGAGAAGGAGTTTGGGAGCTGT	60	86
	Reverse	TTTCCTTCTTCAGACCGACTGCGT	60	
<i>pycard</i>	Forward	ACGCGGTTTCTGTAACAGTGGAGA	60	344
	Reverse	CAGCACATGTGATTGGGCCTG	60	
<i>tp53</i>	Forward	AGTTAAGTGATGTGGTGCCTCGCCT	60	115
	Reverse	ATCAGCTTCTTCCCTGTTTGGGC	60	
<i>p21</i>	Forward	AGCGCAAACAGACCAACATCACAG	60	150
	Reverse	ATGCAGCTCCAGACAGATGAAGGT	60	
<i>rela/ p65</i>	Forward	AGCGCAGGATACACAGTTTCCAGA	60	305
	Reverse	TCGACAGCTGCCGGAGTTTCTATT	60	
<i>nfkb1/ p50</i>	Forward	AGTCAGCCTCAGATCCGTGTGTTT	60	196
	Reverse	TTGTAAGCAAGGCCATCAACTGC	60	
<i>tnfa</i>	Forward	TATGAAGCTTGAGAGTCGGGCGTT	60	273
	Reverse	AAATGGATGGCAGCCTTGGAAGTG	60	
<i>il8</i>	Forward	CAGGTGATCCGGGCATTCATGGT	60	252
	Reverse	AATGAGCTTGAGAGGTCTGGCTGT	60	
<i>ptgs2a</i>	Forward	CACTGTTGCCGGACAACTTTCAGA	60	131
	Reverse	TCCAGCAGTCTGTTTGGTGAAGGA	60	
<i>bax</i>	Forward	CGCCTCAACCCAATGAAAGAGGA	60	101
	Reverse	ACAAGAAAGGGCACAGACTCTGGA	60	
<i>smac/Diablo</i>	Forward	CTGCCAAACGTTGCTCGATCCAAT	60	217
	Reverse	TGAGTGTATGTAGTGCCCTTGGCGT	60	
<i>xiap</i>	Forward	AGCTGGTTTCTACAGCACAGGTGA	60	114
	Reverse	TAGTGTCTGGCATGTTCCCTCCAA	60	

Supplementary Table 2. List of genes that were differentially expressed in the gonads of individuals treated with intermediate dose (5×10^6 CFU/ml) of heat-killed bacteria compared to expression in control females or males, respectively, based on microarray analysis.

Section	Gene symbol	GenBank ID	Log2 fold change	q-value [†]
A	NA	CO353534	1.012	7.34122E-05
	ddx3	EV854707	1.061	0.000046736
	bactin2	CO353568	-0.803	0.227622922
	bactin2	CO353568	-0.618	0.30030883
	bactin2	CO353568	-0.616	0.559621554
	bactin2	CO353568	-0.615	0.477613018
	bactin2	CO353568	-0.583	0.521435994
	bactin2	CO353568	-0.801	0.119688655
	bactin2	CO353568	-0.736	0.195969442
	bactin2	CO353568	-0.571	0.383323778
	bactin2	CO353568	-0.668	0.318787487
	isg15	CO349764	0.055	0.999867629
	nip7	CO349808	0.294	0.773606448
	NA	CO349863	0.541	0.294269812
	ccdc23	CO349888	0.197	0.999867629
	gabarapl2	CO349902	-0.454	0.123783855
	bag4	CO349994	0.479	0.14252651
	NA	CO350074	0.247	0.763138748
	ugp2b	CO350078	0.206	0.994231139
	c6orf115	CO350157	0.305	0.866859743
	arcn1	CO350176	0.723	0.016763326
	ube3c	CO350268	0.266	0.828060885
	wu:fb54e10	CO350338	0.596	0.202031874
	itm2cb	CO350390	0.215	0.928440306
	fam98a	CO350454	0.318	0.709698843
	faua	CO350489	-0.334	0.773606448
	eif2s1l	CO350550	0.223	0.928440306
	zgc:77312	CO350583	0.207	0.999625584
	zgc:162898	CO350613	0.295	0.539675992
	tia1l	CO350615	0.29	0.763632818
	NA	CO350801	0.719	0.095659668
	LOC555504	CO350807	-0.241	0.991938187
	xbp1	CO352662	0.495	0.371129828
	ppp1cb	CO352706	0.228	0.895539927
	zgc:113196	CO352716	0.629	0.119688655

zgc:111986	CO352733	-0.26	0.999867629
uba3	CO352940	0.016	0.999867629
NA	CO353005	0.97	0.195232443
NA	CO353057	0.645	0.201025037
zgc:85789	CO353187	-0.189	0.999867629
rps3a	CO353189	-0.206	0.999867629
si:ch211-80h18.1	CO353248	-0.015	0.999867629
atp5ib	CO353399	0.124	0.999867629
zgc:92655	CO353393	-0.267	0.9064934
nrgna	CO353446	-0.284	0.999867629
syf2	CO353453	0.123	0.999867629
gtf2h5	CO353723	0.455	0.234026524
nusap1	CO353785	0.369	0.370538846
si:dkeyp-104h9.5	CO353817	0.215	0.828060885
NA	CO353836	0.552	0.175441628
bccip	CO353951	-0.118	0.999867629
ube2b	CO354036	-0.172	0.943103959
zgc:103755	CO354072	1.018	0.065812243
rogdi	CO350823	0.602	0.113582002
im:6905231	CO350828	-0.522	0.234026524
fbl	CO350875	0.173	0.999867629
NA	CO350905	0.707	0.049268493
eef1b2	CO350919	0.117	0.999867629
sfrs18	CO350926	0.35	0.662693019
rps20	CO350944	-0.431	0.488541985
EIF6	CO350999	0.546	0.684545685
rbm4.3	CO351040	0.076	0.999867629
mrps18b	CO351138	-0.234	0.91869103
smyd4	CO351141	-0.174	0.999867629
LOC561325	CO351211	-0.343	0.859112036
zgc:77702	CO351265	-0.343	0.896180358
rpl23	CO351432	-0.269	0.823003105
wu:fi12a09	CO351437	-0.075	0.999867629
zgc:162293	CO351504	-0.462	0.350355675
zgc:153225	CO351626	0.314	0.376493828
rpl21	CO354254	-0.219	0.945496623
NA	CO354269	0.163	0.999867629
gabarapl2	CO354298	-0.507	0.583289316
EIF3S2	CO354335	-0.098	0.999867629
NA	CO354349	-0.14	0.999867629
tbc1b	CO354400	-0.293	0.826191504
cdk1	CO354517	-0.29	0.985862783
im:7163520	CO354538	0.201	0.915122715

sec61b	CO354618	0.478	0.216439437
NA	CO354621	0.483	0.119688655
NA	CO354669	0.412	0.371129828
LOC100331743	CO354721	-0.413	0.994733513
LOC100538148	CO354802	-0.08	0.999867629
sycp3l	CO354906	-0.323	0.999867629
stmn1b	CO354907	-0.381	0.945496623
LOC100537292	CO355091	0.086	0.999867629
NA	CO355341	-0.189	0.994231139
pvalb6	CO355539	-0.12	0.999867629
ppib	CO355594	-0.282	0.991938187
cnppd1	CO355679	-0.111	0.999867629
zgc:113106	CO355686	-0.091	0.999867629
LOC100536982	CO355700	-0.195	0.886972868
katnb1	CO355741	-0.191	0.999867629
grn1	CO355745	-0.271	0.999867629
rab36	CO355763	-0.047	0.999867629
LOC559546	CO355783	-0.171	0.999867629
NA	CO355808	-0.411	0.826572396
bambia	CO355824	-0.179	0.898523837
zgc:162848	CO355839	-0.005	0.999867629
dynll2b	CO355854	0.413	0.370538846
nek2	CO355996	0.079	0.999867629
pfn1	CO356051	-0.409	0.665661454
LOC100536119	CO356074	-0.231	0.996300092
ipo7	CO356088	0.419	0.754337045
ba1	CO356089	-0.715	0.991938187
LOC100334539	CO356090	-0.689	0.994231139
LOC559807	CO356168	-1.226	0.069572732
si:ch211-214j24.10	CO356393	0.488	0.353212317
wu:fi28f11	EV562803	0.45	0.973057654
zgc:113255	EV562804	-0.526	0.943103959
ints9	EV562811	-0.782	0.125658247
lim2.2	EV562846	-0.393	0.828060885
NA	EV562860	-0.203	0.999867629
LOC100331949	EV562883	-0.407	0.999867629
mmp14b	EV562897	-0.226	0.999867629
NA	EV563328	0.242	0.999867629
wu:fa16f04	EV563570	0.379	0.531103056
LOC100332260	EV563651	-0.209	0.999867629
zgc:165531	EV563688	0.269	0.820424332
msnb	EV563857	0.983	0.067887154
LOC569091	EV563872	0.492	0.318787487

zgc:63850	EV564375	-0.362	0.763138748
rnasen	EV564723	0.142	0.999867629
wu:fi16e04	EV565011	0.086	0.999867629
rims2a	EV565070	-0.209	0.999867629
si:ch211-233f10.4	EV565164	-0.155	0.999867629
g2e3	EV854572	0.355	0.532523299
LOC564521	CO353283	0.081	0.999867629
polr3glb	CO353303	-0.256	0.994231139
mcm5	CO354454	0.259	0.842886652
psme1	CO354571	-0.252	0.994231139
bactin2	CO353568	-0.512	0.646542916
zgc:110091	EV555386	-0.427	0.614878955
emd	EV555455	-0.194	0.999867629
hagh	EV555506	-0.038	0.999867629
NA	EV555557	0.477	0.521435994
NA	EV555579	0.634	0.119688655
si:dkey-251i10.2	EV606513	-0.039	0.999867629
LOC100537190	EV555834	-0.259	0.999867629
fam175a	EV556002	0.287	0.686651365
NA	EV556136	0.498	0.47999527
eif3d	EV556215	-0.189	0.999867629
zgc:110155	EV556712	-0.251	0.828060885
ptgds	EV556934	-1.498	0.245417124
syncrip	EV557038	-0.204	0.96972248
NA	EV557082	0.542	0.094304931
zgc:63863	EV557121	0.237	0.902634316
NA	EV557123	0.72	0.149553898
LOC100334363	EV557473	-0.345	0.999867629
LOC100536996	EV557501	-0.135	0.999867629
NA	EV557597	0.148	0.994733513
NA	EV557759	-0.22	0.994231139
NA	EV557769	0.365	0.787139253
med10	EV557895	-0.331	0.747423295
zgc:194423	EV557941	0.651	0.416004256
unc119b	EV558240	0.429	0.48064577
zmynd19	EV558420	0.718	0.094304931
zgc:77713	EV558604	0.426	0.228031921
tomm40	EV558612	0.231	0.903368465
slbp	EV558724	0.473	0.223508786
gtpbp1	EV558877	0.243	0.665661454
LOC100334939	EV558936	0.418	0.545196011
zgc:56518	EV559539	-0.474	0.522725157
plk3	EV559586	0.06	0.999867629

zgc:56596	EV559762	0.27	0.743654556
surf6	EV559992	0.306	0.773606448
LOC100535535	EV560026	0.221	0.999867629
nucks1a	EV560187	0.164	0.999867629
bactin2	CO353568	-0.307	0.743654556
mrps18c	EV560717	0.056	0.999867629
zgc:103571	EV560964	0.187	0.999867629
tmem110	EV560994	0.099	0.999867629
f11r	EV561119	0.195	0.99124371
wu:fc41e03	EV561339	0.151	0.999867629
syt13	EV561438	0.214	0.984288193
tradd	EV561633	0.06	0.999867629
NA	EV603419	-0.297	0.945496623
znf259	EV606517	0.243	0.92790543
ccdc69	EV603654	0.363	0.89076927
NA	EV603821	0.852	0.085352772
LOC100537670	EV854389	-0.331	0.999867629
NA	EV604281	0.231	0.991938187
cenpn	EV604290	0.337	0.502501247
nr1h4	EV604398	-0.132	0.999867629
LOC100535704	EV604571	0.362	0.526063265
zgc:85936	EV604628	0.037	0.999867629
zgc:110251	EV604634	1.113	0.588775669
zgc:66323	EV604952	-0.243	0.999867629
cct2	EV605329	-0.71	0.196319585
aatf	EV605639	0.38	0.360126921
C			
esr2b	BC086848	0.264	0.999867629
psen2	BC065382	-0.36	0.886972868
med7	CO349753	-0.318	0.521435994
rae1	CO349827	0.367	0.991938187
wasf3	CO349919	-0.18	0.999867629
ppp2r2a	CO349991	0.23	0.996300092
ptmab	CO350017	0.9	0.614878955
esr1	CO350018	0.603	0.119688655
hsd17b12b	CO350063	0.202	0.991938187
si:dkey-127k13.2	CO350097	-0.947	0.015760916
LOC100001845	CO350158	-0.433	0.23463341
daxx	CO350213	-0.091	0.999867629
si:dkey-22a1.2	CO350266	-0.325	0.996300092
zgc:113944	CO350480	0.488	0.504946116
fabp10a	CO350530	0.577	0.999867629
NA	CO350580	0.281	0.63319393
LOC100331957	CO350661	-0.601	0.195969442

psmb6	CO352692	-0.282	0.96972248
NA	CO352697	0.367	0.928440306
uap1	CO352786	0.148	0.999867629
lasp1	CO352888	0.225	0.991938187
NA	CO352935	0.328	0.763138748
zgc:73262	CO353046	0.213	0.999867629
atg5	CO353054	0.064	0.999867629
NA	CO353055	0.423	0.421971344
cpne1	CO353097	0.341	0.709698843
cox6a1	CO353202	-0.18	0.999867629
zgc:153665	CO353228	-0.307	0.999867629
ube2h	CO353231	-0.218	0.991938187
pfkfb4l	CO353264	0.804	0.007860118
LOC793688	CO353414	0.419	0.376493828
NA	CO353365	0.081	0.999867629
srsf1a	CO353437	0.062	0.999867629
NA	CO353468	0.428	0.285409963
NA	CO353497	0.34	0.828060885
atf4b2	CO353498	0.406	0.519586572
npc2	CO353554	-0.299	0.636856309
odf3b	CO353557	-0.848	0.234026524
idh1	CO353699	0.173	0.999867629
asah1b	CO353701	0.027	0.999867629
cstb *	CO353751	-0.182	0.999867629
NA	CO353767	0.548	0.123783855
LOC100534835	CO353892	-0.253	0.813455656
LOC100536788	CO353912	1.093	0.773606448
comtb	CO354089	0.368	0.625093389
NA	CO354096	0.215	0.896064831
spdya	CO354101	-0.082	0.999867629
maptb	CO350876	0.435	0.999867629
NA	CO350882	0.444	0.509226983
pttg1ipb	CO350884	-0.322	0.743654556
zgc:77739	CO350920	-0.276	0.371129828
zgc:110697	CO351015	-0.429	0.216439437
si:dkey-13i19.8	CO351027	-0.162	0.999867629
NA	CO351041	0.154	0.999867629
LOC100535411	CO351056	-0.108	0.999867629
LOC100005742	CO351062	-0.301	0.905934999
gng7	CO351154	0.079	0.999867629
zgc:110759	CO351438	0.131	0.999867629
btr04	CO351572	-0.379	0.370538846
aanat1	CO351588	-0.479	0.763138748

si:dkeyp-94h10.5	CO351603	-0.281	0.455280153
klf11a	CO351610	0.195	0.999867629
si:dkey-181i3.3	CO351640	0.714	0.199755575
LOC100535480	CO354229	0.304	0.999867629
ruvbl1	CO354286	-0.302	0.48064577
zgc:73328	CO354333	-0.252	0.92790543
zgc:73380	CO354601	-0.287	0.795256395
strn3	CO354619	0.593	0.038384219
neu3.3	CO354692	0.843	0.030077935
zgc:194319	CO354694	-0.159	0.999867629
NA	CO354891	0.031	0.999867629
zgc:101024	CO355029	-0.293	0.872516471
nrarpb	CO355193	-0.478	0.137854395
zgc:110256	CO355211	-0.301	0.87805354
NA	CO355213	0.15	0.999867629
LOC100536036	CO355313	0.551	0.259613471
zgc:136911	CO355482	0.164	0.99124371
pa2g4b	CO355706	0.225	0.909342474
tomm40l	CO355967	0.374	0.885547771
zgc:158667	CO355973	0.089	0.999867629
NA	CO356298	0.513	0.184157163
sgk1	CO356437	0.308	0.949853545
NA	EV854692	-0.187	0.999867629
rpp40l	EV562735	-0.191	0.945496623
lcn15	EV562749	0.413	0.896180358
manba	EV563168	-0.063	0.999867629
EIF3S10	EV563259	0.312	0.648078121
UBE2V2	EV563370	0.357	0.539942713
P4HA2	EV563383	0.098	0.999867629
TMEM170A	EV563404	0.311	0.902634316
MPHOSPH8	EV563477	0.426	0.686651365
NA	EV563672	0.162	0.999867629
ASF1BB	EV563738	0.264	0.999867629
TRIM44	EV563917	0.66	0.318787487
LOC100536655	EV563943	0.246	0.742467699
SERPINA10A	EV563949	0.146	0.999867629
UNG	EV564005	-0.267	0.896180358
ARHGDI3	EV564089	0.886	0.045823299
NA	EV564341	0.728	0.137854395
ZDHHC13	EV564347	0.337	0.91869103
NCAPD2	EV564485	0.389	0.199755575
zgc:165631	EV564487	0.767	0.178467036
AKIRIN1	EV564511	0.425	0.318787487

rbm24b	EV564535	0.228	0.981789129
LOC100535442	EV564791	0.319	0.844078777
hif1al	EV564796	0.307	0.830652974
zgc:86764	EV564889	-0.075	0.999867629
LOC100536419	EV564893	-0.475	0.418740661
LOC100535373	EV564927	0.559	0.092741402
LOC100330256	EV564965	-0.555	0.410198141
NA	EV565055	0.377	0.467651032
zgc:153409	CO351716	0.665	0.915413325
LOC100535183	CO351755	0.414	0.773606448
zgc:111976	EV854602	-0.588	0.199807342
zgc:136458	EV555253	0.235	0.791812584
zgc:136826	EV555298	0.089	0.999867629
capza1b	EV555311	0.277	0.581991764
rbx1	EV555628	-0.515	0.195969442
NA	EV555727	0.134	0.999867629
zgc:158228	EV555883	-0.099	0.999867629
cyp46a2	EV555924	0.143	0.999867629
tsr2	EV555967	-0.133	0.999867629
tmem93	EV556134	-0.332	0.559621554
phgdh	EV556195	-0.286	0.5837736
wu:fj05h12	EV556305	0.226	0.999867629
med4	EV556635	-0.57	0.999867629
treh	EV556637	-0.236	0.999867629
dhrs13	EV556745	-0.683	0.094304931
LOC100333807	EV556837	-0.336	0.773606448
LOC100534896	EV556859	-0.074	0.999867629
si:dkeyp-2e4.5	EV556979	-0.098	0.999867629
zgc:158257	EV557089	-0.127	0.999867629
NA	EV557104	0.171	0.999867629
NA	EV557151	0.169	0.999867629
im:7137597	EV557365	-0.182	0.999867629
rbbp6	EV557446	0.167	0.991938187
tuba2	EV557535	0.281	0.9849946
LOC100538042	EV557647	0.125	0.999867629
zswim7	EV558019	-0.199	0.999867629
ddx6	EV558091	-0.211	0.999867629
tbp12	EV558452	-0.149	0.999867629
NA	EV558530	0.23	0.999867629
zgc:92184	EV558751	-0.32	0.754337045
nup43	EV558854	-0.277	0.796008859
tmem183a	EV558899	-0.443	0.708947213
trdmt1	EV558944	-0.211	0.863522341

zgc:171667	EV559033	-0.203	0.999867629
LOC563794	EV559064	0.499	0.213108124
ppapdc1b	EV559127	-0.302	0.733550375
acadm	EV559206	0.059	0.999867629
psmc3ip	EV559315	-0.3	0.701081195
seh1l	EV559482	-0.204	0.991938187
tfdp1b	EV559695	-0.295	0.708947213
bxdc2	EV559829	-0.076	0.999867629
LOC407698	EV559885	-0.114	0.999867629
usp10	EV560041	-0.04	0.999867629
si:ch211-59d15.9	EV560155	-0.252	0.896180358
GCH1 *	EV560170	0.267	0.999867629
zgc:101851	EV560211	-0.14	0.999867629
chmp4c	EV560271	-0.215	0.991938187
nop16	EV560273	-0.21	0.999867629
wu:fc76b11	EV560351	-0.305	0.722606681
zgc:92177	EV560405	-0.07	0.999867629
tdp2b	EV560482	-0.455	0.371129828
golt1b	EV560565	-0.213	0.880640891
trip13	EV560777	-0.113	0.999867629
si:dkeyp-12a9.5	EV560888	-0.406	0.318787487
exosc8	EV561004	-0.217	0.96972248
pcid2	EV561076	-0.422	0.521435994
eed	EV561141	-0.363	0.700074239
spint1b	EV561444	-0.085	0.999867629
mapre1l	EV603135	-0.154	0.999867629
timmm9	EV603305	-0.268	0.819093821
zgc:103481	EV603561	-0.811	0.556288491
zgc:153393	EV603577	-0.453	0.376493828
zgc:56688	EV603894	-0.684	0.135239431
si:zfos-47c12.1	EV854378	-0.571	0.045657423
srsf5a	EV854387	0.375	0.48064577
b3gat3	EV604195	0.25	0.99124371
si:dkey-265a7.2	EV604486	-0.213	0.82903751
sec62	EV604676	0.448	0.588675638
selm	EV604727	-0.089	0.999867629
abhd10b	EV604771	-0.232	0.763138748
mbnl2	EV604872	0.107	0.999867629
irf5	EV605104	-0.143	0.999867629
polr3c	EV605163	-0.122	0.999867629
LOC566020	EV605263	-0.561	0.175441628
cratb	EV605332	-0.094	0.999867629
otul	EV605370	-0.276	0.795256395

	si:ch211-234f14.1	EV605455	0.094	0.999867629
	nudcd1	EV605685	-0.152	0.991938187
	LOC555985	EV605902	-0.477	0.19084081
	si:ch211-14a17.6	EV605918	-0.451	0.318787487
	zgc:85657	EV605984	-0.453	0.153383361
	fen1	EV606002	-0.374	0.545196011
	mapk3	EV606200	-0.227	0.994231139
	hars2	EV606228	-0.249	0.816937804
D	si:dkey-251i10.1	CO352897	1.161	0.015760916
	si:dkey-181i3.3	CO353459	1.053	0.016763326
	cygb1	EV854745	1.146	0.015709686
	NA	EV563315	1.679	0.007860118
	si:dkey-181i3.3	EV854558	1.076	0.015760916
	NA	EV556845	1.11	0.015760916
	si:ch211-216l23.1	EV604714	1.078	0.007860118
E	chd	EV563263	1.949	0.049268493
F	ff1b	AF198086	-0.11	0.999867629
	zp2	AF331968	-0.458	0.994231139
	ff1b	AF198086	-0.102	0.999867629
	tbp	BC055549	-0.155	0.999867629
	zp2	AF331968	-0.303	0.999867629
	bactin2	CO353568	-1.014	0.119503214
	si:rp71-56i13.6	CO349714	-0.08	0.999867629
	guf1	CO349715	0.166	0.991938187
	im:6902407	CO349727	-0.237	0.999867629
	zgc:100861	CO349728	-0.18	0.991938187
	cisd2	CO349730	-0.003	0.999867629
	slc16a3	CO349732	0.586	0.247889968
	abhd4	CO349741	0.047	0.999867629
	snrpc	CO349742	-0.044	0.999867629
	NA	CO349743	0.207	0.999867629
	LOC100535211	CO349744	-0.227	0.999867629
	rdh14a	CO349746	-0.404	0.991938187
	si:dkey-44g23.5	CO349747	0.639	0.094304931
	myef2	CO349749	0.313	0.896180358
	LOC100535602	CO349751	0.213	0.999867629
	ywhaqa	CO349757	0.215	0.984719777
	si:dkey-44g23.5	CO349763	-0.262	0.985862783
	zgc:112142	CO349767	-0.216	0.999867629
	fth1a	CO349769	0.107	0.999867629
	NA	CO349772	0.856	0.235191638
	NA	CO349774	0.599	0.816937804

NA	CO349791	-0.17	0.999867629
zgc:114188	CO349795	-0.348	0.991938187
zgc:109888	CO349796	-0.257	0.999867629
tspan13a	CO349798	0.017	0.999867629
gtf3ab	CO349799	0.293	0.999867629
itgb5	CO349825	0.579	0.278789993
pitx2	CO349830	0.147	0.999867629
zgc:92869	CO349835	-0.29	0.999867629
rpl14	CO349836	-0.309	0.915413325
si:dkey-208k4.2	CO349838	0.424	0.999867629
h3f3a	CO349846	0.237	0.905640889
LOC100331830	CO349851	0.061	0.999867629
acp5a	CO349852	0.009	0.999867629
zgc:152652	CO349853	-0.193	0.999867629
zgc:56388	CO349862	-0.019	0.999867629
wu:fi38e01	CO349865	-0.224	0.999867629
zgc:56699	CO349866	-0.023	0.999867629
hsd3b7	CO349867	0.131	0.999867629
LOC100535118	CO349868	0.279	0.999867629
ctssb.1	CO349869	-0.009	0.999867629
pdia4	CO349871	0.341	0.521435994
si:ch211-210c8.7	CO349873	-0.096	0.999867629
hmgb1a	CO349874	-0.866	0.54132807
zp211	CO349878	-0.078	0.999867629
glulb	CO349883	-0.057	0.999867629
NA	CO349895	0.15	0.999867629
tacc3	CO349903	0.227	0.999867629
suclg1	CO349907	0.039	0.999867629
zp2.5	CO349910	-0.197	0.999867629
LOC100331917	CO349911	-0.05	0.999867629
NA	CO349912	-0.098	0.999867629
LOC100535162	CO349920	0.031	0.999867629
ppp1r14aa	CO349921	0.024	0.999867629
rpl36	CO349922	0.04	0.999867629
si:ch211-234p6.13	CO349923	-0.106	0.999867629
snrpb	CO349925	0.091	0.999867629
gdi1	CO349928	0.064	0.999867629
zgc:73293	CO349932	-0.064	0.999867629
birc5b	CO349939	-0.143	0.999867629
LOC100536898	CO349940	-0.012	0.999867629
nccrp1	CO349941	0.145	0.999867629
si:ch73-86n6.2	CO349942	0.147	0.999867629
mbp	CO349946	0.23	0.999867629

LOC100534666	CO349954	-0.192	0.965513812
btg4	CO349959	-0.005	0.999867629
wu:fd16e03	CO349964	0.175	0.991938187
c1orf109	CO349967	-0.118	0.999867629
aurkaip1	CO349970	-0.044	0.999867629
tpm3	CO349972	0.307	0.350215418
vtg2	CO349976	-0.007	0.999867629
zgc:92041	CO349978	-0.171	0.999867629
NA	CO349981	0.181	0.999867629
spsc3	CO349983	-0.219	0.999867629
dldh	CO349985	0.247	0.999867629
NA	CO349989	0.136	0.999867629
zgc:92018	CO349992	-0.083	0.999867629
si:ch73-90k17.1	CO349995	0.388	0.686651365
NA	CO350003	-0.184	0.999867629
zgc:162969	CO350009	0.143	0.999867629
c10orf11	CO350012	-0.15	0.999867629
usp5	CO350014	-0.013	0.999867629
si:ch211-145c1.1	CO350015	0.023	0.999867629
si:dkey-58f10.14	CO350023	-0.14	0.999867629
rpl12	CO350026	-0.046	0.999867629
si:ch211-150o23.2	CO350033	-0.005	0.999867629
si:ch211-125e6.13	CO350034	0.085	0.999867629
si:ch73-189n23.1	CO350036	0.289	0.999867629
lrrc57	CO350037	0.174	0.999867629
sumo3b	CO350045	-0.111	0.999867629
hmg20b	CO350054	0.169	0.999867629
socs3a	CO350055	-0.285	0.999867629
hdgfrp2	CO350056	0.066	0.999867629
EIF2S2	CO350068	0.023	0.999867629
LOC100535939	CO350072	0.114	0.999867629
zgc:110113	CO350075	-0.222	0.999867629
orc6	CO350077	0.139	0.999867629
LOC100537182	CO350080	-0.232	0.999867629
atp5o	CO350081	-0.003	0.999867629
zgc:152952	CO350084	0.94	0.762908825
oep	CO350088	0.372	0.370538846
LOC793710	CO350092	0.242	0.999867629
LOC100333071	CO350099	-0.001	0.999867629
rbpms2	CO350100	0.227	0.999867629
zgc:112980	CO350103	0.271	0.971050896
zgc:171818	CO350113	0.037	0.999867629
dir2	CO350118	-0.152	0.999867629

denr	CO350119	0.122	0.999867629
lsm1	CO350123	0.187	0.999867629
cdc20	CO350129	-0.028	0.999867629
dad1	CO350136	0.184	0.999867629
si:dkey-180p18.9	CO350145	0.318	0.623518362
timm8b	CO350146	0.131	0.999867629
gpm6aa	CO350152	0.273	0.994733513
bzw1a	CO350155	0.467	0.338478679
ube2a	CO350164	-0.101	0.999867629
rmf111	CO350167	-0.056	0.999867629
NA	CO350177	0.003	0.999867629
zgc:92242	CO350182	-0.006	0.999867629
zgc:171717	CO350186	0.102	0.999867629
aplP	CO350199	0.392	0.999867629
zgc:92707	CO350202	0.154	0.999867629
LOC407678	CO350203	-0.461	0.778198408
zgc:153243	CO350212	0.055	0.999867629
LOC100007645	CO350218	-0.045	0.999867629
sinup	CO350225	0.133	0.999867629
lgals2a	CO350239	-0.161	0.999867629
zgc:110753	CO350241	-0.237	0.994733513
pif1	CO350242	0.204	0.994733513
wu:fb12c06	CO350246	0.054	0.999867629
zgc:110528	CO350249	-0.134	0.999867629
zgc:171480	CO350259	0.104	0.999867629
nasP	CO350260	-0.035	0.999867629
gng5	CO350261	-0.216	0.904071393
coq9	CO350263	-0.159	0.991938187
dtymk	CO350265	0.037	0.999867629
calm3a	CO350277	-0.186	0.999867629
ckbb	CO350278	0.051	0.999867629
lgi1a	CO350279	-0.075	0.999867629
im:7142489	CO350290	0.086	0.999867629
zgc:193711	CO350291	0.022	0.999867629
terf1	CO350293	-0.036	0.999867629
atg12	CO350297	0.009	0.999867629
LOC100331690	CO350303	-0.082	0.999867629
cpa5	CO350307	0.12	0.999867629
NA	CO350313	-0.032	0.999867629
taf13	CO350332	-0.126	0.999867629
zgc:56259	CO350336	-0.136	0.999867629
LOC100150804	CO350340	-0.017	0.999867629
tuba814	CO350343	0.1	0.999867629

NA	CO350346	0.418	0.880296881
LOC100535162	CO350347	0.01	0.999867629
tubb2c	CO350350	-0.281	0.729063158
NA	CO350360	0.11	0.999867629
zgc:77051	CO350366	0.162	0.991938187
zgc:101748	CO350367	-0.047	0.999867629
rpz2	CO350370	0.995	0.0766775
mid1ip1	CO350377	0.179	0.999867629
cldng	CO350381	-0.151	0.999867629
rhogc	CO350387	0.254	0.700943912
NA	CO350393	-0.282	0.895539927
txndc5	CO350395	-0.226	0.999867629
NA	CO350397	0.023	0.999867629
zgc:171777	CO350401	-0.095	0.999867629
zgc:136336	CO350402	-0.015	0.999867629
NA	CO350409	0.069	0.999867629
cry1l	CO350412	-0.048	0.999867629
id2a	CO350414	-0.012	0.999867629
LOC100330746	CO350416	0.028	0.999867629
ctrb1	CO350417	0.115	0.999867629
wee2	CO350419	-0.09	0.999867629
zgc:111868	CO350423	-0.173	0.999867629
zgc:109957	CO350426	0.157	0.999867629
zgc:153251	CO350434	-0.174	0.999867629
pou5f1	CO350445	0.413	0.467651032
fam136a	CO350450	-0.195	0.999867629
EIF5A2	CO350453	-0.187	0.999867629
pi4kb	CO350456	0.296	0.895539927
psmb2	CO350463	-0.023	0.999867629
ryr1b	CO350465	-0.135	0.999867629
si:ch211-14a17.7	CO350473	-0.292	0.999867629
NA	CO350488	0.136	0.999867629
si:dkeyp-50f7.2	CO350498	-0.004	0.999867629
prdx5	CO350499	-0.177	0.999867629
uqcrc2b	CO350500	0.194	0.999867629
rpp21	CO350503	-0.001	0.999867629
zgc:56706	CO350506	0.068	0.999867629
ppp1r1l	CO350510	0.16	0.999867629
wu:fd16d01	CO350516	0.145	0.999867629
zgc:55413	CO350518	-0.602	0.383323778
ckbb	CO350519	-0.016	0.999867629
zgc:112305	CO350520	-0.048	0.999867629
mfsd2ab	CO350521	0.002	0.999867629

si:dkeyp-46h3.2	CO350524	0.033	0.999867629
zp2.6	CO350532	-0.147	0.999867629
gps2	CO350537	0.001	0.999867629
zp3c	CO350538	-0.176	0.999867629
sf3b5	CO350541	-0.101	0.999867629
ctu2	CO350557	-0.148	0.999867629
nsun4	CO350561	-0.323	0.661633177
wdr61	CO350562	0.025	0.999867629
NA	CO350565	0.602	0.235191638
lhx8a	CO350568	0.127	0.999867629
zglp1	CO350569	0.268	0.999867629
crfb2	CO350572	0.152	0.999867629
uba1	CO350576	0.133	0.999867629
wu:fc06d12	CO350578	0.201	0.991938187
zgc:136330	CO350579	-0.044	0.999867629
exosc5	CO350582	-0.316	0.884004645
chchd10	CO350585	-0.064	0.999867629
zgc:136263	CO350586	0.306	0.708947213
LOC100332117	CO350588	-0.1	0.999867629
ppp2cb	CO350590	0.002	0.999867629
LOC100538094	CO350598	-0.058	0.999867629
mt2	CO350599	-0.164	0.999867629
ccnb1	CO350600	-0.063	0.999867629
zgc:110816	CO350603	-0.009	0.999867629
cox4i1	CO350604	-0.005	0.999867629
imp3	CO350605	0.059	0.999867629
zgc:172056	CO350607	0.138	0.999867629
LOC100535366	CO350609	-0.251	0.999867629
zgc:85752	CO350610	0.049	0.999867629
mrpl22	CO350622	0.084	0.999867629
si:dkey-37o8.1	CO350623	0.137	0.999867629
im:7158796	CO350627	-0.205	0.999867629
si:ch211-268m12.6	CO350631	0.217	0.921064343
zgc:175135	CO350634	-0.064	0.999867629
si:dkey-167i21.2	CO350650	-0.029	0.999867629
lman2	CO350665	-0.038	0.999867629
bzw1b	CO350666	0.049	0.999867629
zgc:113424	CO350671	0.103	0.999867629
fam49bb	CO350681	0.431	0.375134027
ebp	CO350684	0.149	0.999867629
LOC100334510	CO350702	0.291	0.477613018
zgc:114123	CO350704	0.156	0.999867629
si:dkey-77a20.7	CO350708	0.005	0.999867629

sdhdb	CO350709	0.475	0.343310642
NA	CO350712	0.071	0.999867629
rpl11	CO350714	-0.048	0.999867629
LOC100534993	CO350720	1.036	0.467651032
LOC100332229	CO350723	-0.269	0.999867629
LOC100534660	CO350740	-0.273	0.711808311
suz12a	CO350742	0.196	0.99124371
btg2	CO350746	-0.019	0.999867629
zgc:123190	CO350752	0.026	0.999867629
hyou1	CO350754	0.416	0.581752554
ap1s2	CO350755	0.047	0.999867629
eif4e1b	CO350757	-0.048	0.999867629
zgc:111961	CO350759	0.147	0.999867629
smarca5	CO350765	0.131	0.999867629
mcm2	CO350769	-0.097	0.999867629
LOC795535	CO350772	-0.134	0.999867629
kpna2	CO350773	-0.029	0.999867629
NA	CO350774	0.704	0.094304931
si:ch211-215a10.4	CO350782	0.199	0.999867629
LOC100333229	CO350786	0.304	0.953457709
wu:fi38e01	CO350790	-0.212	0.999867629
dis3	CO350806	0.197	0.842886652
retsatl	CO350808	-0.021	0.999867629
NA	CO352613	-0.055	0.999867629
sod1	CO352625	0.07	0.999867629
zgc:153256	CO352627	-0.099	0.999867629
NA	CO352630	0.419	0.801561504
ola1	CO352634	0.001	0.999867629
tpi1b	CO352643	0.223	0.999867629
cebpb	CO352647	-0.676	0.184157163
wu:fj04c06	CO352656	0.108	0.999867629
zgc:153918	CO352675	-0.106	0.999867629
ccdc113	CO352679	0.747	0.350215418
zgc:194314	CO352680	0.817	0.805493158
NA	CO352702	-0.344	0.999867629
lgals3bpb	CO352707	0.079	0.999867629
rpl5a	CO352711	0.05	0.999867629
zgc:101540	CO352713	0.18	0.999867629
ctsba	CO352714	0.027	0.999867629
dcun1d1	CO352717	0.207	0.813455656
LOC795887	CO352720	0.042	0.999867629
immp11	CO352727	0.108	0.999867629
LOC100334417	CO352731	0.279	0.999867629

rhoaa	CO352732	0.111	0.999867629
pdia3	CO352736	0.094	0.999867629
LOC100334248	CO352742	0.12	0.999867629
cdc25	CO352749	-0.009	0.999867629
zgc:103496	CO352754	-0.038	0.999867629
s100a10b	CO352759	-0.235	0.999867629
NA	CO352765	0.188	0.91869103
zgc:162148	CO352769	-0.05	0.999867629
zgc:77052	CO352771	0.184	0.972516939
fam65a	CO352776	0.096	0.999867629
rassf1	CO352779	0.252	0.905640889
akirin1	CO352783	0.365	0.318787487
mad211	CO352803	-0.16	0.999867629
creg2	CO352804	-0.146	0.999867629
gnmt	CO352839	-0.003	0.999867629
h2afvl	CO352847	0.172	0.999867629
LOC100331859	CO352848	0.043	0.999867629
pcgf1	CO352852	-0.181	0.999867629
NA	CO352859	0.094	0.999867629
zc3h7b	CO352868	-0.011	0.999867629
cd63	CO352872	0	0.999867629
lmnl3	CO352873	-0.224	0.999867629
LOC100538252	CO352874	0.018	0.999867629
pane1	CO352883	-0.258	0.943103959
polr2d	CO352891	-0.077	0.999867629
tomm20b	CO352892	0.099	0.999867629
LOC100534896	CO352898	0.012	0.999867629
snrpd3l	CO352904	0.044	0.999867629
nudc	CO352907	0.235	0.999867629
NA	CO352909	0.059	0.999867629
zgc:114188	CO352910	-0.119	0.999867629
cdadc1	CO352911	0.222	0.999867629
zgc:153978	CO352924	0.203	0.999867629
stat1a	CO352930	0.262	0.994231139
zgc:154141	CO352931	-0.216	0.999867629
si:ch211-261c8.5	CO352943	0.107	0.999867629
haus3	CO352955	0.076	0.999867629
si:dkey-23c22.6	CO352969	-0.044	0.999867629
h1fx	CO352972	-0.15	0.999867629
si:ch211-202h22.6	CO352973	-0.174	0.999867629
gabpa	CO352974	-0.112	0.999867629
LOC100534968	CO352975	-0.087	0.999867629
hspe1	CO352980	-0.132	0.999867629

anxa11a	CO352997	0.003	0.999867629
star	CO353010	-0.249	0.943103959
ndufa4l	CO353018	0.172	0.994231139
rfc4	CO353037	-0.663	0.863522341
apoeb	CO353040	-0.556	0.490924889
ubr7	CO353047	-0.057	0.999867629
krt8	CO353051	-0.327	0.999867629
zc3h7a	CO353052	-0.053	0.999867629
ndc80	CO353062	0.086	0.999867629
zgc:113050	CO353063	-0.106	0.999867629
LOC100151188	CO353068	-0.118	0.999867629
ola1	CO353082	0.005	0.999867629
NA	CO353085	0.071	0.999867629
NA	CO353086	0.194	0.999867629
cltc4	CO353091	0.166	0.999867629
NA	CO353094	-0.071	0.999867629
ctsf	CO353100	0.346	0.948512237
LOC100333245	CO353102	0.003	0.999867629
NA	CO353103	0.061	0.999867629
cel.1	CO353105	0.264	0.999867629
LOC100150205	CO353106	-0.003	0.999867629
gstp1	CO353110	0.029	0.999867629
hnmpu	CO353111	0.217	0.999867629
NA	CO353114	-0.159	0.999867629
rps27a	CO353115	-0.209	0.960943871
psmd12	CO353118	0.648	0.030077935
cbx3b	CO353131	0.294	0.915413325
LOC100332249	CO353139	0.344	0.999867629
LOC100536401	CO353140	-0.131	0.999867629
NA	CO353146	-0.225	0.999867629
anxa2a	CO353154	-0.233	0.999867629
degs2	CO353164	0.092	0.999867629
NA	CO353191	-0.018	0.999867629
rgs5a	CO353195	0.033	0.999867629
NA	CO353196	0.504	0.73063815
gas8	CO353198	-0.051	0.999867629
NA	CO353209	-0.01	0.999867629
LOC792676	CO353210	-0.245	0.895539927
NA	CO353222	-0.202	0.999867629
NA	CO353223	0.363	0.999867629
imp4	CO353225	-0.057	0.999867629
exosc9	CO353229	0.143	0.999867629
cct3	CO353233	0.118	0.999867629

arl3	CO353238	-0.209	0.999867629
rps15a	CO353243	-0.219	0.999867629
zgc:73328	CO353247	-0.239	0.902634316
rpl24	CO353339	-0.056	0.999867629
seta	CO353337	0.206	0.987860536
NA	CO353336	0.331	0.763138748
gpx1a	CO353334	-0.272	0.999867629
letm2	CO353330	0.521	0.566941562
NA	CO353329	0.4	0.725736181
zgc:101569	CO353324	-0.073	0.999867629
fkbp1aa	CO353318	-0.098	0.999867629
LOC555512	CO353317	-0.033	0.999867629
snx9	EV854635	-0.055	0.999867629
fth1a	CO353311	0.048	0.999867629
gorasp2	EV854636	0.001	0.999867629
ccng1	CO353308	0.652	0.135239431
tomm20a	CO353307	-0.19	0.828060885
zgc:56699	CO353304	-0.345	0.901752348
LOC100329811	CO353301	-0.07	0.999867629
zgc:56699	CO353298	-0.208	0.999867629
rad1	CO353288	0.284	0.943103959
zgc:110337	CO353271	0.146	0.999867629
cdc42	CO353267	0.29	0.999867629
ldhd	CO353266	0.452	0.113582002
LOC100537497	CO353263	-0.078	0.999867629
cops2	CO353260	-0.094	0.999867629
NA	CO353259	-0.212	0.999867629
NA	CO353254	0.412	0.949853545
rpl12	CO353429	-0.191	0.999867629
vdac3	CO353428	-0.015	0.999867629
acin1a	CO353427	0.297	0.915413325
LOC100535659	CO353401	0.126	0.999867629
tpm3	CO353400	-0.052	0.999867629
LOC100535363	CO353398	-0.18	0.999867629
hmgb1a	CO353395	-0.281	0.999867629
smad7	CO353392	0.087	0.999867629
ran	CO353386	0.009	0.999867629
hmgn2	CO353377	-0.389	0.991938187
saga	CO353372	-0.075	0.999867629
cdk2ap2	CO353359	-0.144	0.999867629
zgc:77177	CO353416	0.252	0.743689125
wu:fb21f05	CO353417	0.202	0.999867629
NA	CO353420	-0.178	0.999867629

vdac3	CO353428	0.181	0.999867629
vdac3	CO353434	0.375	0.539675992
grap2b	CO353451	-0.091	0.999867629
NA	CO353457	-0.124	0.999867629
hnrmpa0	CO353476	0.368	0.665661454
NA	CO353477	-0.064	0.999867629
ak4	CO353480	-0.161	0.999867629
NA	CO353482	0.206	0.91869103
zgc:123105	CO353492	-0.406	0.762113491
hnrnpul1	CO353500	0.225	0.872516471
NA	CO353502	0.116	0.999867629
LOC565998	CO353503	-0.299	0.999867629
tars	CO353505	0.167	0.994231139
NA	CO353516	-0.133	0.999867629
NA	CO353517	0.51	0.991938187
NA	CO353527	0.195	0.999867629
zgc:136763	CO353528	-0.399	0.763138748
pgk1	CO353531	0.327	0.816937804
LOC100334568	CO353537	0.03	0.999867629
NA	CO353541	0.013	0.999867629
zgc:152925	CO353559	0.316	0.773606448
LOC100005118	CO353563	-0.027	0.999867629
LOC100330070	CO353564	-0.164	0.999867629
cst3	CO353578	0.51	0.665661454
capza1a	CO353591	0.087	0.999867629
zgc:56095	CO353598	0.01	0.999867629
si:ch211-240119.8	CO353604	-0.032	0.999867629
zgc:103599	CO353615	-0.015	0.999867629
rcor1	CO353622	0.657	0.046428959
smx5	CO353623	-0.093	0.999867629
LOC553527	CO353624	-0.111	0.999867629
foxo3a	CO353645	0.173	0.999867629
NA	CO353646	0.074	0.999867629
cd151	CO353648	0.194	0.999867629
rgs5a	CO353660	0.139	0.999867629
NA	CO353671	-0.014	0.999867629
zgc:153952	CO353672	-0.413	0.785606951
sec61g	CO353680	0.291	0.709698843
NA	CO353683	-0.045	0.999867629
f8	CO353685	0.096	0.999867629
LOC100147862	CO353691	0.028	0.999867629
LOC100151188	CO353696	0.495	0.545196011
wu:fc26g07	CO353698	0.879	0.038384219

ckba	CO353712	0.194	0.943103959
NA	CO353717	0.235	0.991938187
tax1bp1b	CO353722	-0.221	0.999867629
plaa	CO353727	-0.065	0.999867629
rps2	CO353733	-0.27	0.813455656
rif1	CO353749	0.329	0.957746839
crym	CO353761	0.073	0.999867629
plekhg4	CO353772	-0.379	0.773606448
im:7162646	CO353782	0.009	0.999867629
LOC556426	CO353796	-0.077	0.999867629
slc25a1	CO353809	0.021	0.999867629
zgc:152916	CO353810	-0.044	0.999867629
zgc:65861	CO353813	-0.004	0.999867629
podxl	CO353822	0.025	0.999867629
dennd1a	CO353849	-0.006	0.999867629
si:dkey-7814.13	CO353856	0.119	0.999867629
LOC797338	CO353858	-0.012	0.999867629
NA	CO353864	-0.038	0.999867629
zgc:101723	CO353871	-0.276	0.974898761
zgc:92683	CO353879	-0.075	0.999867629
apoc11	CO353881	0.29	0.999867629
LOC555988	CO353882	0.417	0.999867629
acta2	CO353886	-0.581	0.994231139
faub	CO353903	-0.009	0.999867629
hmgn3	CO353907	-0.336	0.991938187
ehhadh	CO353913	0.086	0.999867629
abca1a	CO353918	0.177	0.999867629
NA	CO353919	-0.149	0.999867629
LOC100151188	CO353922	0.046	0.999867629
zgc:77734	CO353938	0.381	0.945496623
slc25a3b	CO353939	0.12	0.999867629
zgc:92237	CO353942	-0.325	0.9064934
NA	CO353946	0.932	0.999867629
NA	CO353952	0.068	0.999867629
si:dkey-20i10.6	CO353960	0.223	0.991938187
ddhd1	CO353964	0.086	0.999867629
NA	CO353968	0.076	0.999867629
NA	CO353992	0.11	0.999867629
NA	CO353993	0.12	0.999867629
NA	CO354000	0.506	0.350355675
zgc:123017	CO354004	-0.069	0.999867629
zgc:158604	CO354006	-0.103	0.999867629
elovl7a	CO354011	0.626	0.373668752

myo18l2	CO354014	-0.164	0.999867629
zgc:193690	CO354016	0.027	0.999867629
LOC100329375	CO354019	-0.203	0.999867629
zgc:92458	CO354022	0.184	0.999867629
si:dkey-25e12.3	CO354033	0.315	0.54132807
LOC568334	CO354040	-0.062	0.999867629
lasp1	CO354047	-0.24	0.953457709
zgc:66430	CO354050	0.119	0.999867629
NA	CO354064	-0.079	0.999867629
bmpr2a	CO354068	0.1	0.999867629
ncf2	CO354069	0.074	0.999867629
si:ch211-66i15.4	CO354078	0.217	0.999867629
NA	CO354080	0.054	0.999867629
irf9	CO354086	0.057	0.999867629
birc5a	CO354108	-0.026	0.999867629
ahcy	CO354113	-0.022	0.999867629
tagln	CO354115	-0.531	0.455280153
zgc:63675	CO354121	0.364	0.999867629
zgc:92590	CO354123	1.092	0.999867629
ppm1h	CO354127	0.071	0.999867629
krt18	CO354132	0.157	0.999867629
im:7139388	CO354135	0.358	0.999867629
fkbp5	CO354143	0.226	0.999867629
nme5	CO350816	-0.162	0.999867629
LOC100330476	CO350821	-0.006	0.999867629
zgc:158412	CO350830	-0.201	0.99124371
sdhaf2	CO350832	0.433	0.370538846
gnmt	CO350833	-0.181	0.999867629
LOC566907	CO350836	-0.254	0.999867629
hnrnpab	CO350847	0.39	0.763138748
zp3	CO350858	-0.146	0.999867629
ube2a	CO350860	0.046	0.999867629
EIF1AXA	CO350862	0.336	0.721671807
taf9	CO350872	0.139	0.999867629
EIF1AXB	CO350873	-0.128	0.999867629
zgc:101569	CO350886	-0.337	0.999867629
LOC796684	CO350888	0.033	0.999867629
mcl1a	CO350906	-0.093	0.999867629
zgc:171670	CO350917	0.184	0.999867629
LOC793850	CO350918	0.136	0.999867629
rps3	CO350921	-0.149	0.999867629
zp2l1	CO350923	0.076	0.999867629
zgc:103652	CO350931	-0.043	0.999867629

NA	CO350933	-0.533	0.269298041
ube2g1b	CO350939	0.074	0.999867629
lsm14b	CO350940	0.18	0.999867629
rpl3	CO350952	-0.076	0.999867629
zgc:173544	CO350964	-0.195	0.999867629
orc1	CO350968	-0.123	0.999867629
cldnd	CO350971	-0.227	0.999867629
zgc:162945	CO350972	0.146	0.999867629
tpi1a	CO350978	0.059	0.999867629
zgc:162344	CO350982	0.045	0.999867629
LOC100536069	CO350984	0.837	0.071393808
zgc:173544	CO350986	-0.791	0.294269812
LOC556271	CO350990	-0.012	0.999867629
rtn1a	CO350996	0.132	0.999867629
meir5	CO351003	-0.34	0.773606448
nfs1	CO351004	0.109	0.999867629
zgc:92808	CO351006	0.075	0.999867629
si:ch211-239j9.2	CO351008	0.291	0.521435994
tuba4l	CO351009	-0.005	0.999867629
NA	CO351012	-0.012	0.999867629
zgc:101026	CO351017	-0.116	0.999867629
vtg1	CO351022	-1.13	0.558636588
LOC100535176	CO351029	-0.011	0.999867629
org	CO351030	-0.49	0.602859543
zp2.6	CO351043	-0.345	0.999867629
sap18	CO351045	-0.103	0.999867629
NA	CO351046	-0.032	0.999867629
rps4x	CO351048	-0.317	0.896180358
LOC100535344	CO351060	-0.058	0.999867629
plp1b	CO351063	0.042	0.999867629
LOC571155	CO351066	0.278	0.896180358
dvr1	CO351067	0.423	0.802576919
thy1	CO351069	0.192	0.999867629
LOC100535597	CO351075	-0.295	0.863522341
si:ch211-69g19.2	CO351079	0.025	0.999867629
LOC100534658	CO351081	-0.265	0.902634316
zgc:56457	CO351083	-0.071	0.999867629
wu:fc47e11	CO351084	-0.47	0.521435994
znr1	CO351086	-0.288	0.650957948
si:ch211-225p5.3	CO351089	0.289	0.773606448
zgc:100919	CO351092	-0.027	0.999867629
ppial	CO351094	0.019	0.999867629
dap1b	CO351096	0.737	0.593902327

zgc:174237	CO351100	0.091	0.999867629
zgc:56565	CO351109	-0.232	0.999867629
si:dkey-188i13.1	CO351115	0.289	0.987860536
gapdhs	CO351120	-0.545	0.521435994
wu:fd16d01	CO351130	0.172	0.999867629
cirbp	CO351143	0.005	0.999867629
cldn11a	CO351145	0.013	0.999867629
NA	CO351146	-0.169	0.999867629
NA	CO351158	-0.108	0.999867629
snai1a	CO351162	-0.035	0.999867629
zgc:136896	CO351163	-0.174	0.999867629
LOC100000999	CO351167	0.064	0.999867629
LOC555475	CO351168	0.05	0.999867629
fam20b	CO351170	-0.134	0.999867629
eef2b	CO351197	-0.302	0.900973145
si:ch211-234p6.13	CO351198	0.095	0.999867629
pdhb	CO351218	-0.016	0.999867629
atp5c1	CO351232	-0.208	0.991938187
mfige8b	CO351243	-0.414	0.550708371
zgc:63694	CO351246	0.15	0.999867629
zgc:195245	CO351264	-0.149	0.999867629
NA	CO351282	0.009	0.999867629
LOC100534948	CO351287	0.124	0.999867629
LOC100334439	CO351289	-0.116	0.999867629
snrpb2	CO351298	-0.017	0.999867629
bactin2	CO353568	-0.405	0.994733513
zgc:171818	CO351310	-0.714	0.324380687
zgc:173837	CO351317	-0.234	0.96017015
LOC792474	CO351361	-0.048	0.999867629
zp3b	CO351366	-0.06	0.999867629
atl3	CO351372	-0.065	0.999867629
LOC562097	CO351380	-0.201	0.893655011
NA	CO351390	-0.131	0.999867629
zgc:112356	CO351391	-0.129	0.999867629
zgc:153499	CO351399	-0.233	0.999867629
mos	CO351401	-0.344	0.868203261
zgc:163047	CO351422	-0.062	0.999867629
LOC100536090	CO351425	0.352	0.773606448
LOC560808	CO351447	-0.115	0.999867629
ola1	CO351453	-0.093	0.999867629
pvalb7	CO351457	-0.117	0.999867629
galcb	CO351474	0.282	0.842435779
zgc:195154	CO351481	0.121	0.999867629

btg1	CO351489	0.083	0.999867629
zgc:92261	CO351499	0.027	0.999867629
LOC799290	CO351500	-0.037	0.999867629
vat1	CO351505	0.433	0.875026087
LOC100536577	CO351506	-0.081	0.999867629
sfswap	CO351507	0.199	0.999867629
zgc:162431	CO351508	0.369	0.868203261
il13ra2	CO351514	0.376	0.999867629
NA	CO351516	0.812	0.015857549
lsm11	CO351518	0.031	0.999867629
rpl7l1	CO351519	-0.068	0.999867629
paics	CO351520	-0.024	0.999867629
hif1ab	CO351522	-0.252	0.991938187
LOC100535616	CO351530	0.303	0.999867629
zgc:110304	CO351533	0.121	0.999867629
cpe	CO351537	0.367	0.639965294
ccne	CO351539	0.378	0.616700328
si:ch73-46j18.5	CO351540	-0.003	0.999867629
tpst1	CO351543	-0.002	0.999867629
wu:fi04f09	CO351552	0.256	0.999867629
LOC100004563	CO351560	0.256	0.905640889
aurkb	CO351563	-0.053	0.999867629
sec61a1	CO351567	-0.002	0.999867629
smn1	CO351568	-0.182	0.9419302
zgc:77767	CO351578	-0.167	0.999867629
zgc:112231	CO351579	-0.361	0.591198801
cyp11a1	CO351589	-0.018	0.999867629
si:dkey-170l10.1	CO351591	-0.295	0.665661454
NA	CO351593	0.706	0.581752554
NA	CO351611	0.354	0.646542916
rbm4.1	CO351615	0.938	0.094304931
shfm1	CO351618	0.324	0.559621554
LOC100006146	CO351636	-0.068	0.999867629
mrpl17	CO351637	-0.043	0.999867629
si:dkey-97o5.1	CO354150	-0.194	0.999867629
zgc:112397	CO354162	-0.156	0.999867629
wu:fb25h12	CO354172	-0.152	0.999867629
itm2bb	CO354174	0.117	0.999867629
ccna2	CO354180	-0.082	0.999867629
zgc:114119	CO354192	-0.139	0.999867629
zgc:101748	CO354193	-0.152	0.999867629
fkbp1b	CO354215	0.168	0.999867629
NA	CO354218	0.345	0.999867629

col4a6	CO354233	0.072	0.999867629
krt4	CO354256	-0.973	0.646542916
akap8l	CO354263	0.202	0.999867629
b2m	CO354275	-0.202	0.999867629
hexim1	CO354276	0.261	0.91869103
nutf2l	CO354283	-0.059	0.999867629
map1lc3b	CO354294	0.288	0.765403958
ppp1cbl	CO354301	-0.132	0.999867629
zgc:153629	CO354303	0.373	0.999867629
LOC795545	CO354306	-0.064	0.999867629
NA	CO354323	0.378	0.659513547
nol6	CO354330	-0.268	0.589499903
gpx1a	CO354339	-0.349	0.999867629
usp36	CO354344	0.051	0.999867629
LOC569147	CO354351	-0.154	0.999867629
LOC100334807	CO354352	-0.114	0.999867629
retsat	CO354360	0.126	0.999867629
LOC100151157	CO354374	-0.033	0.999867629
cfr	CO354389	0.05	0.999867629
si:ch211-127n13.2	CO354391	-0.275	0.999867629
NA	CO354398	0.029	0.999867629
zgc:162356	CO354399	0.072	0.999867629
zgc:101581	CO354402	-0.331	0.828060885
ppp2cb	CO354410	0.265	0.941642554
NA	CO354422	-0.176	0.999867629
slc25a5	CO354426	0.002	0.999867629
serbp1	CO354428	0.222	0.994733513
nme4	CO354451	0.003	0.999867629
acta1b	CO354459	-0.42	0.539675992
col1a1b	CO354495	-0.698	0.743654556
esco2	CO354508	-0.174	0.994733513
rps24	CO354523	-0.433	0.795013911
EIF1B	CO354527	-0.155	0.999867629
NA	CO354565	0.039	0.999867629
galnt14	CO354570	0.105	0.999867629
flii	CO354575	0.097	0.999867629
thoc6	CO354579	-0.185	0.999867629
zgc:153629	CO354594	0.302	0.999867629
gpd1l	CO354622	0.134	0.999867629
kif23	CO354625	0.198	0.999867629
zgc:92648	CO354628	0.212	0.770255575
aldh9a1a	CO354630	-0.225	0.991938187
zgc:103627	CO354631	-0.108	0.999867629

LOC799177	CO354638	-0.148	0.999867629
hbaa1	CO354643	-0.58	0.999867629
zgc:112425	CO354648	0.654	0.236099138
epb4113b	CO354655	-0.254	0.773606448
LOC100536797	CO354664	0.118	0.999867629
im:7142942	CO354667	-0.201	0.991938187
lpl	CO354672	0.391	0.999867629
spc24	CO354676	-0.117	0.999867629
LOC100536039	CO354678	-0.161	0.999867629
tp53inp1	CO354681	0.21	0.999867629
LOC100537823	CO354682	-0.282	0.639714665
calm2b	CO354684	-0.142	0.999867629
LOC556700	CO354706	-0.355	0.999867629
ubtd2	CO354727	-0.077	0.999867629
LOC100535659	CO354733	-0.109	0.999867629
si:ch211-241p10.1	CO354735	-0.233	0.994231139
NA	CO354737	0.037	0.999867629
zgc:110645	CO354753	-0.164	0.999867629
pdk3a	CO354755	-0.154	0.999867629
racgap1	CO354762	-0.269	0.965513812
nid1a	CO354764	-0.031	0.999867629
zgc:55461	CO354786	-0.065	0.999867629
gsna	CO354789	-0.121	0.999867629
ing5b	CO354799	0.086	0.999867629
LOC100538148	CO354825	0.058	0.999867629
smg7	CO354840	0.015	0.999867629
LOC100534665	CO354869	0.054	0.999867629
si:dkey-52k20.7	CO354886	-0.429	0.999867629
LOC100537775	CO354904	0.004	0.999867629
zgc:77808	CO354941	0.078	0.999867629
NA	CO354953	0.013	0.999867629
hspa8	CO354958	0.246	0.915413325
NA	CO354963	0.241	0.9849946
zgc:112160	CO354973	-0.191	0.999867629
NA	CO354980	0.007	0.999867629
zgc:92631	CO354981	0.098	0.999867629
NA	CO354993	-0.016	0.999867629
vbp1	CO355019	-0.146	0.999867629
LOC100005117	CO355025	0.201	0.999867629
atf4b1	CO355031	-0.211	0.999867629
NA	CO355033	0.956	0.945496623
ywhaqa	CO355039	0.338	0.999867629
LOC100149647	CO355043	-0.17	0.999867629

serinc1	CO355046	0.295	0.999867629
sparc	CO355062	-0.203	0.999867629
NA	CO355072	-0.023	0.999867629
LOC100538089	CO355074	-0.195	0.999867629
scp2a	CO355087	0.092	0.999867629
ccl25b	CO355088	-0.019	0.999867629
naca	CO355090	-0.17	0.999867629
aurka	CO355111	0.131	0.999867629
LOC572312	CO355112	-0.546	0.302232085
zgc:123339	CO355125	-0.269	0.999867629
NA	CO355133	0.128	0.999867629
zgc:171959	CO355135	-0.072	0.999867629
cfdl	CO355141	-1.468	0.371129828
EIF4G2B	CO355175	0.275	0.999867629
flj110111	CO355176	0.32	0.576845303
NA	CO355180	-0.013	0.999867629
LOC100536508	CO355194	-0.463	0.276665092
ak2	CO355206	-0.207	0.999867629
podxl	CO355218	0.231	0.999867629
NA	CO355227	0.045	0.999867629
tmem231	CO355250	-0.002	0.999867629
NA	CO355251	-0.322	0.991938187
farsb	CO355265	-0.26	0.721650173
zgc:158426	CO355284	-0.021	0.999867629
lifra	CO355307	-0.154	0.991938187
NA	CO355308	-0.093	0.999867629
zgc:92533	CO355310	-1.458	0.437930365
arpc2	CO355316	0.037	0.999867629
rpl26	CO355319	0.052	0.999867629
anxa3b	CO355333	-0.07	0.999867629
LOC100002956	CO355342	-0.038	0.999867629
fxyd1	CO355345	-0.033	0.999867629
fcrl1g1	CO355346	-0.218	0.999867629
atp5h	CO355349	-0.276	0.999867629
tagln2	CO355354	0.119	0.999867629
igfbp1a	CO355363	0.013	0.999867629
NA	CO355373	0.024	0.999867629
NA	CO355381	0.085	0.999867629
ugeg	CO355394	-0.124	0.999867629
EIF3B	CO355398	-0.049	0.999867629
coro1a	CO355400	-0.239	0.918577826
mrpl38	CO355412	-0.241	0.999867629
EIF3G	CO355422	-0.27	0.928440306

NA	CO355447	0.006	0.999867629
mmp2	CO355454	-0.134	0.999867629
NA	CO355462	0.085	0.999867629
LOC100535672	CO355480	-0.303	0.999867629
thrap6	CO355490	-0.058	0.999867629
bdh1	CO355498	-0.015	0.999867629
pars2	CO355509	-0.037	0.999867629
si:ch211-10e2.1	CO355516	-0.033	0.999867629
mylz2	CO355517	-0.604	0.773606448
vdac2	CO355519	-0.201	0.960943871
nfil3	CO355523	-0.112	0.999867629
NA	CO355532	-0.116	0.999867629
rps28	CO355542	-0.084	0.999867629
lsmd1	CO355543	-0.426	0.371129828
dpys	CO355560	0.125	0.999867629
eno1	CO355562	-0.134	0.999867629
nubpl	CO355564	0.123	0.999867629
wu:fc48e01	CO355569	-0.089	0.999867629
sept7a	CO355593	0.042	0.999867629
LOC100537763	CO355597	-0.011	0.999867629
fn1b	CO355598	-0.018	0.999867629
LOC100332577	CO355615	-0.072	0.999867629
arhgdia	CO355616	-0.136	0.999867629
si:ch1073-459j12.1	CO355623	-0.003	0.999867629
baxb	CO355630	-0.038	0.999867629
appb	CO355640	-0.145	0.999867629
LOC100536095	CO355651	0.091	0.999867629
utp111	CO355674	0.078	0.999867629
aldob	CO355676	0.682	0.999867629
NA	CO355677	-0.163	0.999867629
atp2a3	CO355691	-0.225	0.90898895
NA	CO355701	-0.014	0.999867629
hp1bp3	CO355711	-0.289	0.773606448
kal1a	CO355716	-0.112	0.999867629
slc7a3	CO355717	0.03	0.999867629
ttl1	CO355728	-0.187	0.957746839
ssr4	CO355744	-0.203	0.999867629
snrpa	CO355749	-0.051	0.999867629
wu:fb18c02	CO355762	-0.03	0.999867629
psmd4a	CO355770	-0.195	0.999867629
hspb1	CO355787	-0.097	0.999867629
f1na	CO355792	-0.191	0.999867629
arhgef19	CO355804	0.025	0.999867629

LOC100537239	CO355812	-0.171	0.999867629
rplp2	CO355819	-0.206	0.999867629
LOC558023	CO355825	-0.046	0.999867629
NA	CO355836	-0.064	0.999867629
tob1b	CO355844	0.33	0.928440306
LOC563795	CO355852	0.376	0.999867629
syp12a	CO355857	0.096	0.999867629
NA	CO355860	0.083	0.999867629
zgc:110726	CO355881	-0.141	0.999867629
LOC100535251	CO355892	-0.01	0.999867629
eif3c	CO355896	-0.171	0.999867629
NA	CO355921	-0.228	0.948512237
itln1	CO355924	-0.001	0.999867629
tcea3	CO355931	0.017	0.999867629
wu:fc55g01	CO355932	-0.47	0.837015575
zgc:92321	CO355982	0.161	0.999867629
rbtnx	CO355988	-0.474	0.281304512
carhsp1	CO356006	0.145	0.999867629
acta2	CO356007	-0.512	0.872516471
tmed1b	CO356013	0.276	0.999867629
NA	CO356019	-0.043	0.999867629
inka1b	CO356024	0.213	0.999867629
nucb2b	CO356030	0.129	0.999867629
NA	CO356035	0.089	0.999867629
LOC564766	CO356062	0.479	0.48064577
sae1	CO356064	-0.121	0.999867629
NA	CO356081	-0.072	0.999867629
dlgap5	CO356094	0.062	0.999867629
ttc9c	CO356096	0.031	0.999867629
LOC795882	CO356097	-0.077	0.999867629
zgc:174710	CO356101	0.369	0.637677505
dtnbp1a	CO356104	0.052	0.999867629
try	CO356113	0.155	0.999867629
NA	CO356117	-0.151	0.999867629
ormd11	CO356128	0.099	0.999867629
mpeg1	CO356135	0.022	0.999867629
LOC100534734	CO356143	0.321	0.800935208
rbp2a	CO356149	1.066	0.743654556
si:dkey-71p21.9	CO356152	-0.331	0.945496623
sdc2	CO356169	-0.14	0.999867629
dedd1	CO356179	0.061	0.999867629
rf32	CO355169	-0.063	0.999867629
LOC100537045	CO355205	0.18	0.999867629

zgc:56419	CO355357	-0.316	0.999867629
umps	CO355426	0.365	0.603257592
LOC795192	CO355472	0.299	0.999867629
mtpn	CO355478	0.145	0.999867629
nap111	CO355704	0.153	0.999867629
lyz	CO355823	0.419	0.999867629
LOC553366	CO356182	-0.124	0.999867629
zgc:110380	CO356194	0.071	0.999867629
fam177a1	CO356208	-0.316	0.762113491
insl3	CO356213	0.072	0.999867629
LOC100330218	CO356232	0.052	0.999867629
tmem127	CO356251	-0.105	0.999867629
hsd11b2	CO356253	0.236	0.99124371
si:dkey-42i9.10	CO356262	0.304	0.84699145
si:ch211-215c18.4	CO356274	-0.116	0.999867629
NA	CO356277	0.151	0.999867629
myl6	CO356285	-0.796	0.380006383
uqcrc2a	CO356286	-0.24	0.952614086
LOC561889	CO356292	0.225	0.960943871
NA	CO356294	0.059	0.999867629
LOC100537859	CO356303	0.585	0.895539927
zgc:64161	CO356342	-0.042	0.999867629
msh2	CO356357	0.239	0.895539927
tbp11	CO356368	-0.068	0.999867629
cse11	CO356400	0.17	0.999867629
si:dkey-211e20.8	CO356401	0.209	0.826191504
uba2	CO356417	0.432	0.286845079
NA	CO356440	0.099	0.999867629
zgc:63660	CO356457	-0.207	0.999867629
fam86a	EV854686	-0.042	0.999867629
LOC569113	EV854690	0.105	0.999867629
zgc:171719	EV854711	-0.097	0.999867629
cdbl	EV854727	-0.037	0.999867629
dhrs11b	EV562731	-0.35	0.967399885
coro1ca	EV562737	0.374	0.709698843
fam107b	EV562740	0.069	0.999867629
LOC100005937	EV562757	-0.106	0.999867629
nr1h5	EV562770	0.056	0.999867629
tpd52	EV562790	0.355	0.844970049
lxn	EV562836	-0.573	0.869878621
zgc:103534	EV562844	0.039	0.999867629
si:dkey-4e7.3	EV562845	0.452	0.673991366
arpc1b	EV562855	0.254	0.999867629

hmgal1a	EV562863	-0.004	0.999867629
arrdc3b	EV562866	0.205	0.991938187
dhrr9	EV562872	-0.776	0.896180358
tp73	EV562892	-0.152	0.999867629
LOC100537212	EV562895	-0.222	0.999867629
chst1	EV562919	-0.443	0.480400073
NA	EV562942	-0.014	0.999867629
NA	EV562960	-0.206	0.999867629
NA	EV562968	-0.266	0.895539927
NA	EV562983	0.181	0.999867629
zgc:92201	EV562985	-0.309	0.665661454
LOC100537801	EV562999	0.14	0.999867629
ctdsp12a	EV563012	-0.074	0.999867629
cebpd	EV563016	-0.055	0.999867629
NA	EV563019	0.208	0.999867629
NA	EV563027	0.345	0.999867629
lemd3	EV563028	0.025	0.999867629
pppde1	EV563037	0.004	0.999867629
ogdh	EV563055	-0.048	0.999867629
dkk3	EV563068	-0.026	0.999867629
zgc:154125	EV563087	-0.221	0.995966938
obfc2ab	EV563104	-0.411	0.234026524
pla2g15	EV563105	0.173	0.999867629
LOC100330285	EV563204	0.365	0.795013911
NA	EV563224	-0.084	0.999867629
calua	EV563240	0.165	0.999867629
myoz2a	EV563250	-0.004	0.999867629
LOC100538311	EV563252	-0.156	0.999867629
cep5711	EV563307	0.137	0.999867629
EIF4G2B	EV563319	0.009	0.999867629
LOC100331428	EV563321	0.189	0.999867629
zgc:92763	EV563334	-0.507	0.370538846
dpp7	EV563341	0.009	0.999867629
LOC100535949	EV563350	0.579	0.920350122
cotl1	EV563396	-0.101	0.999867629
zgc:110340	EV563455	-0.156	0.999867629
calr12	EV563475	0.191	0.991938187
zgc:101819	EV563526	0.103	0.999867629
slc25a12	EV563548	0.171	0.999867629
tdrd7	EV563554	-0.004	0.999867629
LOC100000294	EV563564	0.389	0.984411008
NA	EV563589	0.177	0.999867629
etnk1	EV563627	-0.306	0.999867629

LOC100535291	EV563649	0.514	0.999867629
LOC795071	EV563654	0.053	0.999867629
spc25	EV563681	-0.241	0.895985288
NA	EV563687	0.094	0.999867629
LOC100535808	EV563710	-0.927	0.539675992
ik:tdsubc_1b12	EV563715	0.248	0.999867629
NA	EV563719	-0.473	0.787139253
zgc:77517	EV563744	0.017	0.999867629
NA	EV563810	0.083	0.999867629
papolb	EV563819	-0.048	0.999867629
cep70	EV563849	-0.108	0.999867629
LOC100334245	EV563869	-0.097	0.999867629
si:dkey-250l23.2	EV563915	0.265	0.999867629
si:dkeyp-73d8.6	EV563926	0.509	0.999867629
NA	EV563929	0.082	0.999867629
NA	EV563945	-0.078	0.999867629
NA	EV563947	0.262	0.896180358
zgc:56066	EV563951	-0.038	0.999867629
wu:fb81f11	EV564034	-0.046	0.999867629
si:ch211-89f7.4	EV564046	0.043	0.999867629
exosc2	EV564052	-0.275	0.926212343
gins3	EV564065	-0.186	0.999867629
krcp	EV564068	-0.146	0.999867629
LOC100537338	EV564099	0.708	0.089026408
LOC100302390	EV564118	0.004	0.999867629
NA	EV564124	0.158	0.999867629
zgc:109986	EV564130	0.1	0.999867629
dars	EV564137	-0.085	0.999867629
LOC555163	EV564157	0.041	0.999867629
NA	EV564207	0.118	0.999867629
tm7sf2	EV564219	0.008	0.999867629
cyth1	EV564227	0.233	0.999867629
slc25a36a	EV564246	-0.046	0.999867629
akr1a1a	EV564263	0.326	0.999867629
mfap2	EV564271	-0.028	0.999867629
rasgef1bb	EV564284	0.071	0.999867629
znhit1	EV564286	0.168	0.991938187
zgc:103594	EV564292	0.302	0.999867629
gpib	EV564297	-0.337	0.991938187
zgc:103585	EV564304	-0.122	0.999867629
ccng2	EV564343	0.002	0.999867629
LOC567610	EV564345	-0.128	0.999867629
LOC561662	EV564439	0.114	0.999867629

si:ch73-289a15.2	EV564462	-0.086	0.999867629
LOC100330312	EV564479	0.381	0.991938187
ska3	EW680229	-0.224	0.991938187
katnal2	EV564486	-0.113	0.999867629
mcm3ap	EV564494	-0.653	0.999867629
blvrb	EV564504	0.032	0.999867629
zgc:136474	EV564515	-0.102	0.999867629
gpx4a	EV564524	0.076	0.999867629
LOC100331748	EV564551	-0.184	0.999867629
prdx1	EV564608	-0.181	0.999867629
phactr4a	EV564609	0.215	0.872516471
LOC799918	EV564657	-0.044	0.999867629
ppp1r1c	EV564659	0.159	0.999867629
si:ch211-197n10.2	EV564675	0.014	0.999867629
abcc5	EV564698	0.007	0.999867629
mcm4	EV564706	0.207	0.999867629
selt1b	EV564711	0.116	0.999867629
ccng2	EV564722	-0.012	0.999867629
LOC100536178	EV564750	-0.114	0.999867629
zgc:77041	EV564761	0.12	0.999867629
zgc:175264	EV564783	-0.102	0.999867629
NA	EV564805	0.056	0.999867629
NA	EV564843	0.001	0.999867629
LOC572121	EV564859	0.321	0.994231139
zgc:162576	EV564862	0.302	0.999867629
anxa1a	EV564897	-0.333	0.999867629
si:ch211-203b8.3	EV564899	0.201	0.943103959
zgc:64161	EV564961	0.097	0.999867629
polr2eb	EV564969	0.095	0.999867629
asmtl	EV564972	0.398	0.5837736
nfr	EV565012	-0.081	0.999867629
NA	EV565045	0.032	0.999867629
zgc:100811	EV565057	-0.128	0.999867629
zgc:174506	EV565091	0.163	0.999867629
zgc:112315	EV565098	-0.138	0.999867629
zwilch	EV565102	0.246	0.9064934
tdrd7	EV565152	0.036	0.999867629
suv39h1b	EV854404	0.162	0.999867629
tram2	EV854406	-0.108	0.999867629
EIF3JA	EV854425	0.137	0.999867629
ANAPC5	CO350287	-0.091	0.999867629
HSPA5	CO350325	0.024	0.999867629
GALE	CO350342	0.097	0.999867629

si:ch211-266i6.3	CO350508	0.012	0.999867629
ddx41	CO350632	-0.408	0.373668752
ranbp1	CO350633	0.08	0.999867629
zgc:158363	CO351219	0.425	0.896180358
c1d	CO351237	-0.178	0.999867629
LOC797855	CO351351	0.343	0.896180358
srsf6a	CO351471	0.001	0.999867629
myh9a	CO351476	0.476	0.823003105
dynll1	CO351562	0.011	0.999867629
zgc:193933	CO351641	0.237	0.999867629
cx43.4	CO351666	0.463	0.762908825
NA	CO351682	-0.018	0.999867629
mareksb	CO351683	-0.081	0.999867629
LOC100536840	CO351688	-0.564	0.91123529
zgc:136338	CO351704	-0.139	0.999867629
map2k4b	CO351708	-0.299	0.801861783
sybu	CO351745	0.252	0.999867629
si:dkeyp-114g9.1	CO351761	-0.053	0.999867629
haus1	EV854438	-0.131	0.999867629
zgc:55781	EV854454	0.217	0.973057654
zgc:86598	EV854475	-0.162	0.999867629
EIF4G2A	EV854489	0.108	0.999867629
LOC100536776	CO352746	-0.199	0.999867629
NA	EV854507	-0.173	0.999867629
npdc1	EV854514	-0.313	0.956595287
LOC100534876	EV854527	0.159	0.999867629
NA	CO352780	0.104	0.999867629
akt2l	EV854539	-0.083	0.999867629
ccdc65	CO352979	0.227	0.875603927
LOC100151050	EV854551	-0.037	0.999867629
nhp2l1	EV854552	-0.064	0.999867629
LOC100330652	EV854561	0.209	0.999867629
nrxn1b	CO353129	0.627	0.178467036
tsc22d3	EV854578	0.163	0.999867629
prmt10	EV854625	0.364	0.593902327
dkk3	EV854629	-0.095	0.999867629
zgc:112265	CO353250	0.022	0.999867629
NA	CO353251	0.034	0.999867629
NA	CO353256	-0.201	0.999867629
si:ch211-93f2.1	CO353280	0.019	0.999867629
NA	CO353290	-0.248	0.991938187
NA	CO353295	-0.319	0.941642554
traf1	CO353310	-0.38	0.727961378

si:ch211-1n9.7	CO353321	-0.29	0.963377368
gpd1b	CO353353	0.047	0.999867629
si:ch211-272f3.4	CO353370	0.105	0.999867629
NA	CO353374	0.035	0.999867629
zgc:123269	CO353376	-0.38	0.900973145
NA	CO353394	-0.334	0.994231139
aldh1a2	CO353562	-0.224	0.999867629
mkrn4	CO353771	-0.016	0.999867629
ccni	CO353963	-0.23	0.999867629
gtf2a1	CO354110	-0.385	0.644961123
ces2	CO354240	0.427	0.999867629
LOC100148221	CO354304	-0.276	0.68467567
LOC100534948	CO354573	-0.267	0.999867629
NA	EV555200	-0.361	0.773606448
LOC567594	EV555201	0.007	0.999867629
mrpl14	EV555213	-0.042	0.999867629
ublcp1	EV555235	0.011	0.999867629
sub1	EV555259	0.117	0.999867629
pck2	EV555265	0.072	0.999867629
zgc:152965	EV555280	-0.16	0.915413325
spon1b	EV555281	-0.091	0.999867629
efhd2	EV555286	-0.204	0.999867629
arhgap10	EV555302	0.138	0.999867629
dus4l	EV555312	-0.272	0.872516471
nsmce4a	EV555316	-0.093	0.999867629
NA	EV555342	-0.026	0.999867629
ctnnb2	EV555350	0.164	0.999867629
zgc:92066	EV555399	-0.047	0.999867629
net1	EV555400	-0.076	0.999867629
lygl1	EV555402	-0.273	0.999867629
NA	EV555404	0.122	0.999867629
LOC561790	EV555409	-0.247	0.999867629
nrxn1b	EV555435	0.131	0.999867629
pabpc1l	EV555460	-0.061	0.999867629
NA	EV555474	0.085	0.999867629
tbeta-a	EV555485	-0.353	0.999867629
rpl36a	EV555494	-0.04	0.999867629
rnaseh1	EV555500	-0.138	0.999867629
zgc:73142	EV555530	0.287	0.999867629
zgc:56200	EV555588	0.188	0.999867629
aldh3d1	EV555603	0.035	0.999867629
zgc:110584	EV555611	0.001	0.999867629
zgc:56676	EV555614	0.076	0.999867629

ppmlg	EV555620	0.04	0.999867629
isoc2	EV555656	-0.106	0.999867629
LOC100333064	EV555662	0.094	0.999867629
gmn	EV555666	-0.259	0.994231139
pgrmc1	EV555678	-0.11	0.999867629
si:dkey-51e6.1	EV555700	-0.007	0.999867629
LOC100000332	EV555701	-0.706	0.203971339
LOC100538113	EV555710	0.712	0.580061207
NA	EV555716	0.031	0.999867629
ppp1r7	EV555726	-0.012	0.999867629
NA	EV555752	0.229	0.999867629
zplxdc2	EV555791	-0.126	0.999867629
hspd1	EV555803	0.283	0.776613145
NA	EV555808	-0.379	0.763138748
zgc:92744	EV555822	-0.012	0.999867629
pgam1a	EV555825	-0.076	0.999867629
zgc:154068	EV555827	-0.124	0.999867629
NA	EV555828	0.119	0.999867629
wu:fj82b07	EV555841	0.045	0.999867629
postn	EV555843	-0.421	0.796008859
cars	EV555849	0.114	0.999867629
c6	EV555855	-0.153	0.999867629
rps18	EV555858	-0.094	0.999867629
pdhb	EV555923	0.018	0.999867629
iqcc	EV555926	-0.216	0.896180358
si:ch211-210c8.7	EV555942	-0.1	0.999867629
NA	EV555949	0.545	0.902634316
ints3	EV555963	0.25	0.991938187
qars	EV555995	0.021	0.999867629
NA	EV555996	-0.196	0.991938187
LOC100332626	EV556004	-0.176	0.999867629
LOC100536370	EV556023	0.335	0.991938187
zgc:56072	EV556032	-0.127	0.999867629
stmn1a	EV556035	-0.052	0.999867629
rpl10	EV556040	-0.156	0.999867629
NA	EV556059	-0.125	0.999867629
NA	EV556084	-0.006	0.999867629
NA	EV556107	-0.022	0.999867629
zgc:152851	EV556108	0.162	0.999867629
zgc:114041	EV556109	-0.049	0.999867629
ints12	EV556117	0.362	0.999867629
atic	EV556151	-0.089	0.999867629
wu:fj39b01	EV556172	0.049	0.999867629

cat	EV556193	0.264	0.999867629
nsun5	EV556197	-0.019	0.999867629
NA	EV556258	0.017	0.999867629
zgc:152986	EV556284	0.07	0.999867629
cnpy2	EV556320	-0.119	0.999867629
zgc:55843	EV556341	0.21	0.896180358
zgc:171795	EV556373	0.107	0.999867629
NA	EV556413	-0.153	0.999867629
NA	EV556418	0.073	0.999867629
tefa	EV556419	0.934	0.0238853
NA	EV556427	-0.025	0.999867629
s100a1	EV556428	-0.121	0.999867629
LOC567678	EV556445	-0.104	0.999867629
lsm8	EV556454	-0.063	0.999867629
ptgr1	EV556456	0.13	0.999867629
NA	EV556473	0.051	0.999867629
EIF3S6IP	EV556478	-0.134	0.999867629
si:ch211-236114.3	EV556489	-0.046	0.999867629
ap1g1	EV556527	0.038	0.999867629
tceb1a	EV556528	-0.209	0.902634316
ccdc58	EV556586	0.147	0.999867629
NA	EV556599	0.119	0.999867629
si:ch211-203b8.5	EV556608	0.635	0.896180358
LOC100535842	EV556631	-0.051	0.999867629
LOC100334599	EV556646	-0.823	0.68467567
NA	EV556726	0.324	0.650957948
EIF4E	EV556736	-0.06	0.999867629
IARS	EV556757	-0.154	0.999867629
zgc:101016	EV556770	-0.074	0.999867629
tmem144b	EV556857	-0.222	0.896180358
zgc:66449	EV556911	0.17	0.999867629
bud31	EV557026	0.097	0.999867629
stxbp3	EV557060	2.404	0.110515806
NA	EV557061	-0.075	0.999867629
NA	EV557065	-0.012	0.999867629
si:ch211-105d11.3	EV557072	0.05	0.999867629
pa2g4a	EV557095	-0.31	0.796008859
brip1	EV557097	0.046	0.999867629
zgc:123274	EV557098	0.038	0.999867629
NA	EV557113	0.221	0.969284962
fli1b	EV557134	0.097	0.999867629
nmt1a	EV557137	-0.025	0.999867629
NA	EV557152	0.01	0.999867629

NA	EV557153	-0.329	0.684545685
NA	EV557155	0.143	0.999867629
LOC100333953	EV557161	0.019	0.999867629
NA	EV557166	-0.047	0.999867629
NA	EV557179	0.271	0.653709814
slc39a7	EV557180	0.157	0.982794529
LOC100535417	EV557277	-0.031	0.999867629
NA	EV557291	0.098	0.999867629
sumo3a	EV557294	-0.258	0.99124371
si:dkey-90l23.1	EV557304	-0.662	0.115148473
sc:d808	EV557326	-0.107	0.999867629
si:dkey-26lh17.1	EV557366	0.02	0.999867629
ide	EV557410	0.027	0.999867629
LOC100537670	EV557415	-0.184	0.999867629
si:ch211-214p16.1	EV557421	-0.095	0.999867629
ldlrp1a	EV557427	0.268	0.692167093
bnip3lb	EV557432	0.039	0.999867629
zgc:161973	EV557457	0.221	0.999867629
bactin2	CO353568	-0.395	0.991938187
LOC100334473	EV557552	-0.071	0.999867629
LOC798352	EV557593	-0.16	0.999867629
NA	EV557618	0.097	0.999867629
zgc:103482	EV557619	-0.309	0.665661454
pus3	EV557625	-0.492	0.171867871
si:busm1-118j2.5	EV557639	-0.502	0.999867629
zgc:152968	EV557648	0.406	0.743074638
si:ch211-155k24.6	EV557650	-0.23	0.999867629
plk1	EV557668	0.085	0.999867629
gins2	EV557676	-0.21	0.999867629
ing2	EV557692	0.195	0.943103959
dnd	EV557789	-0.149	0.999867629
zgc:110788	EV557790	-0.285	0.982903264
dnd	EV557793	-0.299	0.896180358
zgc:103482	EV557820	0.112	0.999867629
rcc1	EV557822	0.059	0.999867629
zgc:154067	EV557840	0.021	0.999867629
cisd1	EV557867	0.307	0.999867629
plxnd1	EV557879	0.043	0.999867629
zgc:55395	EV557888	0.247	0.99124371
zgc:92417	EV557916	0.158	0.999867629
zgc:77714	EV557923	-0.187	0.999867629
LOC559576	EV557932	-0.041	0.999867629
zgc:56280	EV557937	0.243	0.999867629

NA	EV557992	-0.061	0.999867629
coll1a2	EV557996	-0.956	0.684545685
LOC407698	EV558016	-0.721	0.743654556
LOC100003370	EV558037	0.277	0.838306978
pdk2	EV558064	-0.017	0.999867629
NA	EV558066	-0.034	0.999867629
NA	EV558075	-0.201	0.999867629
NA	EV558093	-0.268	0.831263973
NA	EV558117	0.09	0.999867629
LOC100535213	EV558133	-0.345	0.708947213
si:ch211-155k24.6	EV558187	-0.487	0.614878955
NA	EV558188	0.113	0.999867629
hbbe2	EV558198	-0.461	0.999867629
anxa11b	EV558201	0.242	0.984719777
mrps6	EV558207	-0.06	0.999867629
cdc45	EV558232	0.269	0.773606448
dnmt1	EV558233	-0.091	0.999867629
LOC100006925	EV558235	0.236	0.999867629
bcam	EV558251	-0.004	0.999867629
cyc1	EV558255	-0.343	0.999867629
dynll2a	EV558258	0.028	0.999867629
gbgt114	EV558285	0.015	0.999867629
cxxc1	EV558288	0.071	0.999867629
rrm2	EV558295	-0.2	0.999867629
NA	EV558323	0.126	0.999867629
NA	EV558325	-0.303	0.999867629
zgc:158852	EV558329	0.032	0.999867629
zgc:123178	EV558359	0.055	0.999867629
LOC100002476	EV558365	-0.561	0.943103959
adipor2	EV558384	-0.049	0.999867629
LOC100334424	EV558447	0.155	0.999867629
si:dkey-42i9.8	EV558455	-0.078	0.999867629
pepd	EV558463	-0.131	0.999867629
phf23a	EV558485	0.037	0.999867629
thoc3	EV558494	0.022	0.999867629
cfl1	EV558517	0.289	0.796008859
si:dkey-273o13.2	EV558534	0.016	0.999867629
anp32b	EV558558	-0.125	0.999867629
LOC100333174	EV558564	0.129	0.999867629
hmgb2a	EV558567	0.209	0.999867629
LOC100536708	EV558573	0.076	0.999867629
zgc:152928	EV558579	0.323	0.898523837
eml2	EV558608	-0.36	0.697973671

fbxo11-like	EV558622	0.148	0.999867629
NA	EV558642	-0.546	0.872516471
LOC100536529	EV558643	0.239	0.994231139
bactin2	CO353568	-0.299	0.999867629
rpl9	EV558749	-0.098	0.999867629
si:dkey-276i5.1	EV558750	0.288	0.87805354
NA	EV558789	0.057	0.999867629
dab2	EV558797	0.322	0.999867629
si:dkey-192o1.2	EV558802	-0.462	0.537478773
sart3	EV558814	0.047	0.999867629
zgc:56231	EV558847	0.233	0.999867629
zgc:153377	EV558849	-0.231	0.999867629
wu:fi42e03	EV558866	0.018	0.999867629
NA	EV558909	-0.005	0.999867629
snrpd1	EV558979	-0.295	0.943103959
NA	EV559006	0.086	0.999867629
elovl6l	EV559028	-0.083	0.999867629
alg14	EV559103	-0.32	0.907896464
pold2	EV559135	-0.555	0.171469472
brd2a	EV559139	-0.438	0.787139253
tbcl	EV559154	0.036	0.999867629
aldh6a1	EV559178	-0.135	0.999867629
zgc:173742	EV559186	-0.036	0.999867629
NA	EV559189	-0.017	0.999867629
ctbp1	EV559237	-0.371	0.991938187
LOC100536831	EV559254	0.094	0.999867629
si:ch211-191i18.1	EV559286	-0.046	0.999867629
zgc:55888	EV559300	-0.359	0.673991366
zgc:161973	EV559301	0.283	0.999867629
si:ch211-67e16.9	EV559306	0.005	0.999867629
si:ch211-239e6.4	EV559308	-0.693	0.241733546
wwp2	EV559318	-0.488	0.373668752
actn3b	EV559325	-0.059	0.999867629
LOC556026	EV559355	-0.389	0.80260793
rrm1	EV559365	0.164	0.999867629
fgfr11b	EV559378	-0.634	0.763138748
LOC100002916	EV559386	-0.06	0.999867629
zar1	EV559391	-0.166	0.999867629
zgc:55877	EV559435	-0.043	0.999867629
wu:fe05a04	EV559443	0.007	0.999867629
rsl24d1	EV559467	-0.213	0.999867629
pgp	EV559495	-0.028	0.999867629
ttc32	EV559596	-0.324	0.758506216

LOC100537729	EV559599	0.164	0.999867629
si:dkey-14d8.1	EV559630	0.033	0.999867629
prps1a	EV559655	0.054	0.999867629
cdkn3	EV559715	-0.294	0.526063265
tipin	EV559743	-0.207	0.971667518
lamp2	EV559754	-0.069	0.999867629
fabp3	EV559759	0.32	0.999867629
NA	EV559766	0.4	0.999867629
zgc:158856	EV559775	-0.329	0.895539927
LOC100535847	EV559795	-0.004	0.999867629
LOC799904	EV559816	-0.171	0.999867629
eme1	EV559873	0.049	0.999867629
NA	EV559887	-0.009	0.999867629
gpr160	EV559910	-0.167	0.999867629
LOC792919	EV560017	-0.739	0.393009716
rac1	EV560028	-0.194	0.999867629
slc16a3	EV560034	0.123	0.999867629
lamp2	EV560047	-0.081	0.999867629
ccnh	EV560100	-0.05	0.999867629
zgc:113293	EV560102	-0.078	0.999867629
pppde1	EV560109	-0.307	0.974898761
EIF4EBP3	EV560113	-0.293	0.999867629
prtfcd1	EV560150	-0.349	0.89076927
NA	EV560167	-0.036	0.999867629
si:ch211-51e12.7	EV560202	0.22	0.896180358
zgc:73311	EV560206	-0.009	0.999867629
stau2	EV560230	-0.149	0.999867629
rac1	EV560270	0.073	0.999867629
wu:fi42e03	EV560294	-0.203	0.999867629
zgc:63938	EV560342	0.173	0.999867629
zgc:113200	EV560398	0.192	0.999867629
NA	EV560403	-0.025	0.999867629
gfer	EV560439	-0.243	0.911946177
zgc:77112	EV560453	0.175	0.999867629
clu	EV560454	-0.085	0.999867629
LOC569642	EV560472	-0.528	0.711575577
LOC100537662	EV560480	-0.203	0.994231139
zgc:171779	EV560504	-0.252	0.999867629
EIF4ENIF1	EV560519	0.114	0.999867629
zgc:86764	EV560550	-0.142	0.999867629
acaa2	EV560564	0.283	0.963377368
fmn2b	EV560613	-0.074	0.999867629
fdx1	EV560623	-0.169	0.999867629

serf2	EV560626	-0.085	0.999867629
ddx6	EV560633	-0.158	0.999867629
pdc11	EV560657	0.505	0.967399885
tph1a	EV560659	-0.05	0.999867629
zgc:55781	EV560688	0.217	0.999867629
zgc:162200	EV560692	0.277	0.999867629
mcf2a	EV560708	-0.546	0.353212317
mxra8a	EV560738	-0.282	0.999867629
zgc:153393	EV560834	-0.361	0.531103056
nsa2	EV560860	-0.095	0.999867629
LOC100147955	EV560914	-0.277	0.763632818
h2afv	EV560934	-0.421	0.437650454
NA	EV560955	-0.556	0.521567026
zgc:73187	EV560958	-0.104	0.999867629
ndufa8	EV560966	0.169	0.999867629
LOC100535315	EV560990	-0.057	0.999867629
LOC798927	EV560997	-0.573	0.579418258
prpsap2	EV561045	0.232	0.999867629
dkc1	EV561049	0.045	0.999867629
LOC100538140	EV561078	-0.146	0.999867629
NA	EV561168	0.029	0.999867629
ell2	EV561207	-0.345	0.83094516
ggps1	EV561212	0.434	0.686651365
zgc:110307	EV561216	0.074	0.999867629
sybu	EV561220	-0.029	0.999867629
NA	EV561239	-0.194	0.999867629
LOC100535261	EV561241	-0.493	0.999867629
rmf111	EV561246	0.202	0.991938187
ppfia3	EV561259	0.02	0.999867629
tmprss4b	EV561274	-0.245	0.895539927
LOC100536069	EV561289	0.469	0.764693722
zgc:103738	EV561303	0.026	0.999867629
tram2	EV561310	-0.076	0.999867629
tubb5	EV561318	-0.14	0.999867629
rab35	EV561361	-0.079	0.999867629
smc4	EV561367	-0.138	0.999867629
wdr451	EV561404	0.128	0.999867629
NA	EV561415	0.006	0.999867629
mcm3l	EV561418	-0.035	0.999867629
rpl27	EV561475	-0.14	0.999867629
tram1	EV561479	0.123	0.999867629
zgc:92670	EV561517	-0.001	0.999867629
rdh10b	EV561565	-0.382	0.690166619

fbln5	EV561587	-0.149	0.999867629
nsa2	EV603076	-0.262	0.960943871
NA	EV603090	0.094	0.999867629
NA	EV603125	-0.098	0.999867629
zgc:193538	EV603174	0.284	0.773606448
mrpl36	EV603209	0.156	0.999867629
zgc:158667	EV603231	0.222	0.896180358
phf5a	EV603233	-0.452	0.188466858
LOC795984	EV603237	-0.338	0.999867629
LOC564151	EV603238	0.116	0.999867629
srsf2	EV603246	0.176	0.999867629
LOC100535971	EV603252	-0.624	0.285409963
atpif1	EV603257	0.29	0.820424332
NA	EV603271	-0.114	0.999867629
NA	EV603272	0.023	0.999867629
adh8b	EV603276	0.188	0.999867629
sept4a	EV603300	0.002	0.999867629
fbxo22	EV603344	-0.268	0.999867629
LOC796580	EV603345	-0.606	0.402438175
rps2	EV603363	-0.429	0.743654556
cenpa	EV603414	-0.262	0.521567026
NA	EV603423	-0.43	0.668247054
zcchc8	EV603439	-0.08	0.999867629
LOC100002545	EV854363	-0.051	0.999867629
zgc:113070	EV603470	0.571	0.876086971
cpb1	EV603485	0.181	0.999867629
h2afx	EV854365	-0.246	0.999867629
hmga1a	EV603500	0.06	0.999867629
LOC100332020	EV854368	-0.819	0.787139253
NA	EV603600	-0.057	0.999867629
alas1	EV603611	-0.19	0.999867629
cdca9	EV603649	-0.055	0.999867629
LOC100535992	EV603655	-0.301	0.999867629
si:ch211-173p18.2	EV603661	-0.321	0.999867629
LOC100004510	EV603662	0.97	0.085352772
LOC100536377	EV603679	0.038	0.999867629
npm2	EV603717	0.504	0.59488253
si:dkey-8l13.1	EV606518	-0.759	0.125221876
ccna1	EV854371	-0.181	0.999867629
cldnd	EV603732	-0.181	0.999867629
synj2bp	EV603740	0.148	0.999867629
LOC100535587	EV603782	0.164	0.999867629
hnmpa1	EV603815	0.323	0.909342474

LOC100334678	EV603833	0.196	0.999867629
NA	EV603839	-0.07	0.999867629
g3bp1	EV854375	0.053	0.999867629
uchl1	EV854376	-0.17	0.999867629
NA	EV603867	0.058	0.999867629
zgc:101565	EV603888	-0.207	0.999867629
NA	EV854377	0.269	0.999867629
ncbp2	EV603899	0.058	0.999867629
vim	EV603914	0.119	0.999867629
NA	EV603934	-0.12	0.999867629
zgc:86839	EV854382	0.029	0.999867629
NA	EV854383	0.018	0.999867629
NA	EV603962	-0.23	0.991938187
cfl2l	EV603981	0.245	0.999867629
parn	EV603982	0.171	0.999867629
pdcd4b	EV603993	-0.631	0.645831808
azin1b	EV604024	0.092	0.999867629
NA	EV604032	-0.149	0.999867629
mcm10	EV604062	0.026	0.999867629
LOC564156	EV604105	0.046	0.999867629
pdgfrl	EV604120	-0.058	0.999867629
LOC100537724	EV604131	0.176	0.999867629
pcna	EV604138	-0.276	0.68467567
zgc:165555	EV604162	0.028	0.999867629
vcp	EV604208	0.02	0.999867629
eme1	EV604256	0.162	0.999867629
asb3	EV604278	-0.087	0.999867629
NA	EV604282	-0.081	0.999867629
marveld2a	EV604286	0.389	0.708947213
si:ch211-195i21.1	EV604307	-0.092	0.999867629
LOC561086	EV604312	-0.097	0.999867629
zgc:153362	EV604332	-0.214	0.999867629
si:ch211-12e13.2	EV606521	0.087	0.999867629
rbp4	EV604348	0.152	0.999867629
LOC100002387	EV604356	-0.142	0.999867629
LOC100331651	EV604359	0.661	0.370525071
ap2a1	EV604361	-0.453	0.402438175
LOC568145	EV604369	0.007	0.999867629
cth1	EV854394	0.16	0.999867629
pdcd7	EV604424	0.184	0.994231139
NA	EV604426	-0.263	0.896066554
zgc:123180	EV604432	-0.147	0.999867629
mycl1a	EV604462	0.501	0.754337045

cdca8	EV604463	-0.085	0.999867629
hmmr	EV604497	-0.038	0.999867629
ankrd10a	EV604514	-0.016	0.999867629
bub3	EV604520	-0.242	0.994733513
prc1a	EV606523	-0.092	0.999867629
si:dkey-177p2.14	EV604569	0.003	0.999867629
LOC100151188	EV604577	0.357	0.886645297
cbx3a	EV604597	-0.106	0.999867629
capza1b	EV604599	0.013	0.999867629
NA	EV604605	-0.192	0.999867629
h1m	EV854398	-0.162	0.999867629
NA	EV604654	0.68	0.821593756
zgc:122991	EV604688	0.117	0.999867629
insb	EV604706	-0.314	0.863522341
ca15b	EV604784	-0.362	0.708947213
zgc:77241	EV604798	-0.237	0.994733513
brd2a	EV604809	-0.144	0.999867629
zgc:154064	EV604811	0.159	0.999867629
ptmaa	EV604828	-0.077	0.999867629
si:ch211-12e13.2	EV604837	0.185	0.999867629
LOC564674	EV604874	-0.448	0.649773044
zgc:56231	EV604907	0.254	0.999867629
pkig	EV604912	-0.182	0.999867629
idh2	EV604920	-0.038	0.999867629
ywhabb	EV604934	-0.18	0.999867629
fermt1	EV604935	-0.465	0.286845079
grik1a	EV604936	0.162	0.999867629
zgc:101768	EV604939	-0.43	0.581752554
fkbp1ab	EV604955	-0.213	0.994733513
st8sia4	EV604964	-0.101	0.999867629
LOC100537720	EV605039	0.441	0.650957948
zgc:153126	EV605075	0.028	0.999867629
buc	EV605077	0.202	0.91869103
NA	EV605089	0.05	0.999867629
dnajc2	EV605155	0.113	0.999867629
LOC569097	EV605161	0.146	0.999867629
arid3b	EV605168	0.272	0.773606448
chac1	EV605173	0.376	0.999867629
scarb1	EV605191	0.179	0.999867629
EIF3ha	EV605274	0.16	0.999867629
txlnba	EV605277	-0.15	0.999867629
zgc:175195	EV605299	0.231	0.914008513
zgc:63942	EV605340	-0.282	0.994733513

hmg3b	EV605347	0.032	0.999867629	
zgc:175136	EV605351	0.371	0.764693722	
LOC100333730	EV605366	0.088	0.999867629	
hnrnpab	EV605399	0.272	0.999867629	
LOC100002545	EV605409	-0.082	0.999867629	
NA	EV605447	-0.311	0.801561504	
larp6	EV605473	-0.18	0.999867629	
spsb1	EV605552	-0.253	0.943103959	
si:dkey-42i9.5	EV605594	-0.01	0.999867629	
LOC792922	EV605606	0.281	0.883513061	
si:dkeyp-26a9.2	EV605678	0.014	0.999867629	
si:ch211-67e16.9	EV605727	-0.141	0.999867629	
LOC100149910	EV605793	0.074	0.999867629	
NA	EV605812	-0.054	0.999867629	
LOC100537390	EV605850	0.083	0.999867629	
mcmbp	EV605854	-0.175	0.991938187	
bcl6a	EV605893	-0.268	0.896180358	
zpcx	EV605919	-0.259	0.999867629	
NA	EV605952	0.158	0.999867629	
NA	EV605955	-0.136	0.999867629	
si:ch211-250e5.16	EV605962	0.129	0.999867629	
mat2a	EV606012	0.464	0.318787487	
slc25a26	EV606036	-0.531	0.318787487	
snx10a	EV606056	-0.367	0.708947213	
NA	EV606064	-0.305	0.902634316	
NA	EV606109	-0.536	0.762113491	
NA	EV606131	-0.06	0.999867629	
NA	EV606142	0.19	0.999867629	
zgc:92139	EV606145	-0.022	0.999867629	
uqcrc2a	EV606155	-0.294	0.605563948	
NA	EV606168	0.315	0.999867629	
LOC100334275	EV606173	0.311	0.999867629	
LOC797655	EV606192	0.323	0.991938187	
tatdn2	EV606199	0.155	0.999867629	
mrpl9	EV606218	-0.275	0.72705678	
zgc:154067	EV606251	0.066	0.999867629	
G	LOC100002043	CO351529	3.822	0.000927681

*Gene symbol information for these EST sequences was obtained based on sequence similarity to other vertebrates.

†The q-value represents the false discovery rate corrected p-value derived from the linear fit to a group means parameterization. Fold changes are log₂ transformed and they are shown either as treated/control or as female/male. Supplementary Figure 3 provides the key to the different sections.

Supplementary Table 3. List of genes that were differentially expressed in the gonads of individuals treated with high dose (1×10^7 CFU/ml) of heat-killed bacteria compared to expression in control females or males, respectively, based on microarray analysis.

Section	Gene symbol	GenBank ID	Log2 fold change	q-value [†]
A	ell2	CO349837	1.168	0.002126303
	NA	CO350047	1.403	0.014217355
	rpl24	CO353335	1.009	0.000704515
	rpl24	CO353421	1.066	0.014705718
	NA	CO353397	1.14	0.012558986
	si:ch211-241d21.5	CO353431	1.063	0.02787715
	itm2bb	CO353486	1.43	0.007201389
	calm1a	CO350889	1.094	0.002038716
	ivd	CO351101	1.003	0.001546809
	zgc:76887	CO351553	1.261	0.000198842
	LOC561500	CO354514	1.223	0.001094486
	si:ch211-15d5.5	CO356166	1.005	0.000135376
	LOC100536320	CO355656	1.193	0.000832309
	ddx3	EV854707	1.135	6.09626E-06
	kiaa09471	EV563765	1.003	0.000490033
	smc1b	EV564536	1.257	0.002819764
	kcnj1	EV564622	1.128	0.029032909
	pum1	EV565039	1.02	5.69379E-05
	s1pr5a	EV555851	1.003	0.001341451
	wu:fk48d07	EV555950	1.233	0.002490988
	NA	EV556282	1.142	0.00027437
	gtdc1	EV557094	1.703	0.000197531
	LOC100003370	EV560529	-1.02	0.003435629
	ccdc69	EV603654	-1.198	0.003992417
NA	EV854370	-1.103	0.008927792	
B	nip7	CO349808	0.215	0.534318581
	NA	CO349863	0.374	0.289083501
	wu:fb54e10	CO350338	0.417	0.217980181
	ddx39aa	CO350372	0.29	0.402461657
	EIF2S11	CO350550	0.187	0.585362587
	NA	CO350801	0.735	0.023429658
	PPP1CB	CO352706	0.463	0.065830704
	zgc:113196	CO352716	0.621	0.034986309
	NA	CO353057	0.114	0.85226856
	rpl35	CO353285	0.411	0.077749154
	atp5ib	CO353399	0.224	0.301010605
	syf2	CO353453	0.143	0.678502519
	si:ch211-147d7.5	CO353634	0.461	0.175388523

gtf2h5	CO353723	0.107	0.789928103
nusap1	CO353785	0.085	0.834394626
wu:fc92e03	CO353884	-0.176	0.567162727
ran	CO353914	0.558	0.034496457
ndufa12	CO353954	0.35	0.119623152
NA	CO354002	0.739	0.012558986
zgc:103688	CO354008	0.607	0.086314114
piwil1	CO354057	0.886	0.006203748
fbl	CO350875	0.464	0.073021834
lsm6	CO350880	0.259	0.493033274
cox7c	CO350908	0.781	0.006514159
sfrs18	CO350926	0.259	0.462413668
atp5g	CO351021	0.255	0.592764128
mrps18b	CO351138	-0.193	0.585362587
rpl23	CO351432	-0.088	0.854491047
wu:fi12a09	CO351437	-0.062	0.903619834
sec61b	CO354618	0.336	0.223243197
rnps1	CO354680	0.081	0.860626455
rmnd5b	CO354781	0.058	0.93094233
stmn1b	CO354907	-0.203	0.782586227
cox7a2	CO355138	0.52	0.078485079
NA	CO355808	-0.401	0.405134419
LOC100006421	CO354823	0.711	0.017283122
LOC100150256	CO356355	0.676	0.259610136
si:ch211-214j24.10	CO356393	0.838	0.008356024
wu:fi28f11	EV562803	0.618	0.330654704
stau1	EV563563	0.57	0.06719746
wu:fa16f04	EV563570	0.353	0.24258325
EIF4EBP3L	EV563880	-0.415	0.204953093
NA	EV563893	-0.255	0.301671265
zgc:152925	EV564044	0.333	0.408898885
skiv2l2	EV564175	0.405	0.112697751
si:dkey-15f17.9	EV564378	0.598	0.052916399
mcm5	CO354454	0.111	0.796877423
hagh	EV555506	-0.101	0.872955653
NA	EV555579	0.419	0.170421981
hsp90b1	EV555612	0.323	0.380865503
NA	EV555699	-0.263	0.457882979
si:dkey-15f17.9	EV556036	0.779	0.006938483
NA	EV556045	-0.188	0.606499872
NA	EV556136	0.416	0.278275947
EIF3D	EV556215	-0.334	0.399081433
tuba8l	EV556216	-0.504	0.179935963

prim1	EV556451	0.094	0.853213473
pno1	EV556483	-0.169	0.610464677
NA	EV556845	0.958	0.009372504
wu:fd12d03	EV556850	-0.75	0.035979754
ptgds	EV556934	-0.897	0.349087427
wars2	EV557106	0.407	0.062876768
zgc:63863	EV557121	0.308	0.298099037
LOC100334363	EV557473	-0.399	0.517076024
LOC100536996	EV557501	-0.336	0.38756763
LOC100536577	EV557690	-0.081	0.888306128
shmt1	EV559528	-0.372	0.56473897
c1galt1c1	EV559920	0.723	0.078159884
igf2bp3	EV560177	0.406	0.297508009
mrps18c	EV560717	0.029	0.956914587
pvr13l	EV560950	0.46	0.121527633
znf259	EV606517	0.362	0.240577385
dhdhl	EV603593	-0.371	0.341839603
pdc10b	EV854379	0.312	0.145280863
dut	EV603901	0.185	0.673158995
si:ch211-216l23.1	EV604714	0.61	0.051307106
wu:fi13g07	EV605070	0.888	0.009372196
zgc:65873	EV606203	-0.38	0.370581964
C			
ff1b	AF198086	0.551	0.034496457
esr2b	BC086848	0.702	0.311749739
psen2	BC065382	-0.27	0.600922555
ff1b	AF198086	0.366	0.257628611
tbp	BC055549	-0.179	0.764508086
snrpc	CO349742	-0.599	0.012150525
med7	CO349753	-0.773	0.002070592
ywhaqa	CO349757	-0.192	0.593006997
si:dkey-44g23.5	CO349763	-0.394	0.286478618
rpl14	CO349836	0.4	0.314935832
zgc:152652	CO349853	-0.411	0.259610136
si:ch211-210c8.7	CO349873	-0.828	0.004657045
glulb	CO349883	-0.621	0.029098678
wasf3	CO349919	-0.601	0.080241844
rpl36	CO349922	0.734	0.053656796
si:ch73-86n6.2	CO349942	-0.295	0.258359957
LOC100534666	CO349954	-0.692	0.005724498
c1orf109	CO349967	-0.563	0.026237228
zgc:92041	CO349978	3.5	0.050332316
dldh	CO349985	0.642	0.079684502
NA	CO349989	0.808	0.015278087

ppp2r2a	CO349991	0.266	0.512526763
esr1	CO350018	0.7	0.014217355
rpl12	CO350026	-0.272	0.24258325
hsd17b12b	CO350063	0.234	0.487849656
LOC793710	CO350092	-0.683	0.143119224
dirc2	CO350118	-0.456	0.563344427
LOC100001845	CO350158	-0.405	0.093903481
ube2a	CO350164	-0.468	0.050029533
NA	CO350177	0.497	0.032704878
zgc:92242	CO350182	0.135	0.805242011
daxx	CO350213	-0.314	0.469386675
coq9	CO350263	0.203	0.424533777
si:dkey-22a1.2	CO350266	-0.745	0.115790109
terf1	CO350293	-0.357	0.180082567
NA	CO350360	-0.714	0.109784916
zgc:77051	CO350366	-0.278	0.237017578
zgc:171777	CO350401	-0.606	0.01975508
cry1l	CO350412	0.458	0.105884877
ryr1b	CO350465	0.329	0.381917534
zgc:113944	CO350480	0.325	0.433439712
prdx5	CO350499	0.76	0.072752151
ctu2	CO350557	-0.57	0.029160762
wdr61	CO350562	-0.295	0.376381991
NA	CO350565	-0.532	0.119363462
wu:fc06d12	CO350578	-0.496	0.068505237
NA	CO350580	0.357	0.129832441
zgc:136263	CO350586	-0.136	0.737916681
LOC100332117	CO350588	-0.995	0.00252187
zgc:110816	CO350603	-0.763	0.022954762
ebp	CO350684	0.803	0.001298584
rpl11	CO350714	0.762	0.011850675
zgc:111961	CO350759	-0.382	0.374305063
NA	CO352613	0.498	0.39630103
zgc:153918	CO352675	0.58	0.139565954
NA	CO352702	1.495	0.062876768
rpl5a	CO352711	0.892	0.005946808
zgc:101540	CO352713	0.781	0.07969957
LOC795887	CO352720	0.402	0.090873765
immp11	CO352727	-0.381	0.061267672
rhoaa	CO352732	0.753	0.073016885
zgc:103496	CO352754	-0.364	0.284004442
NA	CO352765	-0.48	0.030528923
zgc:162148	CO352769	0.325	0.408898885

rassf1	CO352779	0.67	0.021110347
akirin1	CO352783	-0.317	0.174149529
uap1	CO352786	0.44	0.514991843
gnmt	CO352839	0.565	0.141935414
NA	CO352859	0.513	0.043916635
zc3h7b	CO352868	0.5	0.043395667
LOC100538252	CO352874	0.623	0.011808317
lasp1	CO352888	0.394	0.21886466
tomm20b	CO352892	0.639	0.010962599
LOC100534896	CO352898	-0.044	0.935865221
NA	CO352909	0.248	0.490265385
zgc:114188	CO352910	0.929	0.01062382
zgc:154141	CO352931	0.29	0.433881452
NA	CO352935	0.223	0.571028426
hspe1	CO352980	0.816	0.040870301
star	CO353010	-0.77	0.012164849
apoeb	CO353040	0.355	0.456074813
zgc:73262	CO353046	0.327	0.567011196
ubr7	CO353047	-0.513	0.038025902
zc3h7a	CO353052	0.95	0.009526974
atg5	CO353054	0.527	0.062876768
NA	CO353055	0.468	0.107145558
zgc:113050	CO353063	0.387	0.134441599
LOC100151188	CO353068	0.783	0.014480533
NA	CO353085	0.524	0.146009579
NA	CO353086	0.413	0.534187914
cpne1	CO353097	0.368	0.256148562
ctsf	CO353100	0.784	0.065102253
LOC100150205	CO353106	0.239	0.52216369
hnrnpu	CO353111	-0.604	0.175770287
rps27a	CO353115	0.141	0.706507914
cbx3b	CO353131	0.86	0.013173232
LOC100536401	CO353140	-0.735	0.010729935
NA	CO353191	0.974	0.032236694
cox6a1	CO353202	-0.256	0.689026951
NA	CO353209	0.958	0.025852688
LOC792676	CO353210	0.412	0.135633035
imp4	CO353225	-0.535	0.017806928
zgc:153665	CO353228	-0.559	0.276624996
exosc9	CO353229	-0.325	0.211079091
ube2h	CO353231	-0.601	0.040870301
cct3	CO353233	0.383	0.126134887
rps15a	CO353243	0.99	0.003970204

zgc:101569	CO353324	0.787	0.019165497
snx9	EV854635	0.612	0.060177164
gorasp2	EV854636	-0.195	0.593006997
LOC100329811	CO353301	0.759	0.036620858
rad1	CO353288	-0.595	0.082376714
cdc42	CO353267	0.572	0.201522067
pfkfb4l	CO353264	0.794	0.001652783
LOC100537497	CO353263	0.746	0.171784487
rpl12	CO353429	-0.894	0.006515148
vdac3	CO353428	0.76	0.015278087
LOC793688	CO353414	0.586	0.033364504
smad7	CO353392	0.689	0.114728548
NA	CO353365	0.763	0.012558986
vdac3	CO353428	0.898	0.00231684
srsf1a	CO353437	0.702	0.142328552
grap2b	CO353451	0.881	0.01295219
NA	CO353457	0.897	0.002713413
NA	CO353477	0.8	0.032741945
NA	CO353497	0.489	0.177678838
atf4b2	CO353498	0.667	0.025884022
hnrmpull	CO353500	0.795	0.002038716
pgk1	CO353531	-0.054	0.940318047
LOC100334568	CO353537	0.969	0.020353138
npc2	CO353554	-0.601	0.015796694
LOC100005118	CO353563	0.563	0.065830704
capza1a	CO353591	0.58	0.031552376
si:ch211-240119.8	CO353604	2.979	0.087786654
zgc:103599	CO353615	1.643	0.051847576
NA	CO353671	0.5	0.434700775
f8	CO353685	-0.407	0.024930407
idh1	CO353699	0.272	0.340455875
asah1b	CO353701	0.56	0.054196806
ckba	CO353712	0.795	0.001841541
plaa	CO353727	-0.313	0.311749739
rps2	CO353733	0.712	0.010354536
cstb *	CO353751	-0.41	0.133139758
crym	CO353761	0.266	0.356489489
plekhg4	CO353772	0.756	0.037578259
LOC556426	CO353796	0.897	0.022728225
slc25a1	CO353809	0.656	0.16812042
zgc:65861	CO353813	0.739	0.011335814
si:dkey-7814.13	CO353856	0.749	0.003924802
zgc:101723	CO353871	0.672	0.055400088

zgc:92683	CO353879	0.417	0.173381156
LOC100534835	CO353892	-0.402	0.118663524
LOC100536788	CO353912	1.789	0.088832392
ehhadh	CO353913	0.756	0.01590411
zgc:92237	CO353942	0.509	0.190939135
NA	CO353952	-0.656	0.015419084
si:dkey-20i10.6	CO353960	0.805	0.008927792
NA	CO353993	0.972	0.005333288
zgc:158604	CO354006	-0.148	0.861836641
myo18l2	CO354014	0.618	0.083227543
lasp1	CO354047	0.07	0.9093595
zgc:66430	CO354050	0.721	0.007123739
NA	CO354064	0.704	0.021248571
NA	CO354080	0.396	0.178186948
irf9	CO354086	0.495	0.072854688
comtb	CO354089	0.401	0.207221217
NA	CO354096	0.778	0.002173064
spdya	CO354101	-0.184	0.653873889
krt18	CO354132	1.471	0.054893959
nme5	CO350816	0.587	0.053657952
sdhaf2	CO350832	0.745	0.009201826
ube2a	CO350860	0.662	0.014217355
eif1axb	CO350873	-0.272	0.419793724
maptb	CO350876	0.613	0.449466156
pttg1ipb	CO350884	-0.467	0.117790078
LOC793850	CO350918	-0.671	0.079684502
zgc:77739	CO350920	-0.318	0.077056702
ube2g1b	CO350939	-0.1	0.796877423
rpl3	CO350952	0.461	0.157900218
meir5	CO351003	-0.764	0.019453083
nfs1	CO351004	-0.308	0.374060377
NA	CO351012	-0.911	0.001032945
zgc:110697	CO351015	-0.651	0.006944067
si:dkey-13i19.8	CO351027	-0.575	0.067106044
LOC100535176	CO351029	-0.691	0.046523549
NA	CO351041	0.493	0.285151635
NA	CO351046	0.585	0.069268003
rps4x	CO351048	0.618	0.079174379
LOC100535344	CO351060	0.392	0.29494053
LOC100005742	CO351062	-0.237	0.598645603
zgc:56457	CO351083	-0.502	0.126134887
cirbp	CO351143	-0.626	0.003583491
cldn11a	CO351145	0.133	0.781809201

NA	CO351146	0.24	0.486237837
gng7	CO351154	0.493	0.090750701
zgc:136896	CO351163	0.474	0.253582529
fam20b	CO351170	0.175	0.580492266
NA	CO351282	0.395	0.295492377
snrpb2	CO351298	-0.593	0.012800269
LOC792474	CO351361	0.666	0.109557879
zgc:110759	CO351438	0.276	0.443147748
pvalb7	CO351457	0.792	0.047026403
vat1	CO351505	0.895	0.054751727
sfswap	CO351507	0.534	0.238944526
paics	CO351520	-0.683	0.061787988
hif1ab	CO351522	0.397	0.293965805
cpe	CO351537	0.431	0.17090023
si:ch73-46j18.5	CO351540	0.579	0.137934721
aanat1	CO351588	-0.425	0.413474172
klf11a	CO351610	0.407	0.242234878
wu:fb25h12	CO354172	-0.708	0.063926884
fbp1b	CO354215	0.999	0.009372196
LOC100535480	CO354229	0.264	0.761746259
col4a6	CO354233	0.902	0.038712414
ruvbl1	CO354286	-0.438	0.041566255
zgc:73328	CO354333	-0.634	0.034548646
LOC100334807	CO354352	-0.776	0.005336728
slc25a5	CO354426	0.689	0.009085503
rps24	CO354523	0.347	0.50333368
galnt14	CO354570	0.587	0.283599037
flii	CO354575	0.646	0.004612146
zgc:103627	CO354631	0.89	0.002551444
epb4113b	CO354655	0.689	0.006431206
LOC100536797	CO354664	0.581	0.055566583
spc24	CO354676	-0.251	0.469774754
neu3.3	CO354692	0.591	0.050180456
zgc:194319	CO354694	-0.642	0.062415138
ubtd2	CO354727	0.4	0.201822083
pdk3a	CO354755	1.176	0.367430413
racgap1	CO354762	-0.8	0.018202218
gsna	CO354789	0.513	0.274442664
ing5b	CO354799	-0.391	0.169713892
NA	CO354891	0.221	0.659675667
LOC100537775	CO354904	0.65	0.003436112
NA	CO354993	-0.46	0.083593238
zgc:101024	CO355029	-0.46	0.154436056

LOC100149647	CO355043	0.211	0.679859056
serinc1	CO355046	0.871	0.072653008
naca	CO355090	0.73	0.061244319
nrarpb	CO355193	-0.567	0.01590411
zgc:110256	CO355211	-0.305	0.418606507
NA	CO355213	0.265	0.441859541
NA	CO355251	-0.54	0.245529348
zgc:158426	CO355284	0.248	0.554565996
NA	CO355308	0.169	0.7089641
LOC100536036	CO355313	0.475	0.14268893
rpl26	CO355319	0.442	0.410265506
anxa3b	CO355333	0.283	0.380316557
atp5h	CO355349	0.552	0.525071552
mrpl38	CO355412	0.398	0.456074813
EIF3G	CO355422	0.316	0.389480757
NA	CO355447	0.302	0.554565996
NA	CO355462	0.641	0.003663882
zgc:136911	CO355482	0.428	0.047111028
bdh1	CO355498	0.388	0.159031567
pars2	CO355509	0.266	0.340455875
si:ch211-10e2.1	CO355516	0.264	0.569067903
wu:fc48e01	CO355569	0.216	0.454731665
LOC100537763	CO355597	0.321	0.238944526
baxb	CO355630	0.42	0.123870654
utp11l	CO355674	0.455	0.1301441
NA	CO355701	0.226	0.464120862
ttl1	CO355728	0.056	0.905938713
wu:fb18c02	CO355762	0.523	0.078518058
hspb1	CO355787	0.275	0.605936402
LOC100537239	CO355812	0.235	0.42995482
syp12a	CO355857	0.272	0.191958734
NA	CO355860	0.351	0.615925436
zgc:110726	CO355881	0.346	0.197162118
EIF3C	CO355896	0.295	0.384001892
ITLN1	CO355924	0.253	0.284072854
tcea3	CO355931	0.08	0.828486982
wu:fc55g01	CO355932	-0.695	0.168823916
tomm40l	CO355967	0.834	0.040416449
zgc:158667	CO355973	0.089	0.832144425
zgc:92321	CO355982	-0.737	0.013930939
NA	CO356019	0.335	0.26826927
NA	CO356035	0.714	0.014149325
LOC564766	CO356062	0.828	0.01634781

sae1	CO356064	-0.395	0.120057744
dlgap5	CO356094	0.189	0.42995482
LOC795882	CO356097	0.242	0.640926826
dtnbp1a	CO356104	0.651	0.040290326
mpeg1	CO356135	0.278	0.453607871
sdc2	CO356169	0.709	0.060929164
dedd1	CO356179	0.695	0.026709334
mtpn	CO355478	0.463	0.042552226
tmem127	CO356251	0.844	0.039581293
si:ch211-215c18.4	CO356274	0.652	0.162549569
myl6	CO356285	0.311	0.670395526
uqcrc2a	CO356286	0.738	0.01389468
NA	CO356298	0.913	0.001665267
tbp1l	CO356368	-0.285	0.203212089
sgk1	CO356437	0.658	0.082671438
fam86a	EV854686	-0.668	0.019380951
LOC569113	EV854690	0.455	0.218814137
NA	EV854692	-0.536	0.062164281
cdbl	EV854727	0.738	0.048018561
dhrs11b	EV562731	0.941	0.032317696
rpp40l	EV562735	-0.291	0.241626423
fam107b	EV562740	0.762	0.01590411
lcn15	EV562749	0.427	0.42808072
zgc:103534	EV562844	-0.771	0.007680192
tp73	EV562892	0.517	0.284273166
chst1	EV562919	0.374	0.271516734
NA	EV562942	0.489	0.354402289
NA	EV562960	0.147	0.796120496
lemd3	EV563028	-0.213	0.443342043
ogdh	EV563055	0.705	0.080712689
zgc:154125	EV563087	0.309	0.393454362
manba	EV563168	-0.544	0.216698252
EIF3S10	EV563259	0.306	0.281244578
UBE2V2	EV563370	0.697	0.011430881
P4HA2	EV563383	0.644	0.081774974
COT1L1	EV563396	0.238	0.558024461
tmem170a	EV563404	0.956	0.008390226
MPHOSPH8	EV563477	0.948	0.011430881
NA	EV563672	0.621	0.219202556
LOC100535808	EV563710	0.921	0.21217489
NA	EV563810	0.832	0.022723573
PAPOLB	EV563819	0.301	0.498950514
CEP70	EV563849	-0.492	0.105992863

LOC100334245	EV563869	0.837	0.107009267
NA	EV563929	0.567	0.041049921
LOC100536655	EV563943	0.478	0.033223347
NA	EV563947	0.692	0.019165497
serpina10a	EV563949	0.151	0.74715673
zgc:56066	EV563951	-0.467	0.051291085
ung	EV564005	-0.383	0.226775926
wu:fb81f11	EV564034	0.363	0.202507793
exosc2	EV564052	-0.492	0.139508478
krcp	EV564068	-0.522	0.074637926
arhgdig	EV564089	0.913	0.009372196
NA	EV564207	0.664	0.016019992
cyth1	EV564227	1.12	0.300329932
rasgef1bb	EV564284	0.688	0.042041697
zgc:103585	EV564304	0.3	0.394655804
NA	EV564341	0.312	0.462413668
LOC567610	EV564345	0.554	0.14268893
LOC561662	EV564439	0.917	0.002067018
si:ch73-289a15.2	EV564462	-0.517	0.047107888
ncapd2	EV564485	0.566	0.008248835
zgc:165631	EV564487	0.723	0.067493216
blvrb	EV564504	-0.376	0.311749739
akirin1	EV564511	0.339	0.218192489
rbm24b	EV564535	0.688	0.018997573
LOC100331748	EV564551	0.66	0.093041675
phactr4a	EV564609	0.302	0.214506524
LOC799918	EV564657	0.675	0.0462463
ppp1r1c	EV564659	0.32	0.504807838
si:ch211-197n10.2	EV564675	-0.267	0.312384355
mcm4	EV564706	-0.542	0.125443107
selt1b	EV564711	0.238	0.38070407
ccng2	EV564722	0.617	0.405134419
zgc:77041	EV564761	0.897	0.00365127
LOC100535442	EV564791	0.342	0.366035254
hif1al	EV564796	0.313	0.38504147
NA	EV564805	0.811	0.041713307
NA	EV564843	0.683	0.041990515
zgc:86764	EV564889	-0.198	0.354402289
LOC100536419	EV564893	-0.513	0.116184709
si:ch211-203b8.3	EV564899	-0.533	0.029727924
LOC100535373	EV564927	0.913	0.000775972
LOC100330256	EV564965	-0.82	0.028934353
polr2eb	EV564969	1.04	0.059667405

NA	EV565055	0.595	0.025175892
zgc:100811	EV565057	-0.344	0.191218397
zwilch	EV565102	-0.209	0.559903621
suv39h1b	EV854404	-0.498	0.038827035
EIF3JA	EV854425	-0.679	0.007929152
Gale	CO350342	-0.301	0.299507562
si:ch211-266i6.3	CO350508	-0.799	0.070965171
c1d	CO351237	-0.471	0.138027148
LOC100002043	CO351529	1.679	0.06733238
LOC100535183	CO351755	0.432	0.327072521
zgc:55781	EV854454	-0.239	0.468285664
NA	EV854507	0.259	0.534187914
akt2l	EV854539	0.502	0.413459417
LOC100151050	EV854551	0.681	0.010729935
nrxn1b	CO353129	0.899	0.007100024
zgc:111976	EV854602	-0.507	0.110735137
zgc:112265	CO353250	0.671	0.084063977
si:ch211-93f2.1	CO353280	0.676	0.042046462
si:ch211-1n9.7	CO353321	0.694	0.055156091
si:ch211-272f3.4	CO353370	1.174	0.054610636
NA	CO353394	0.849	0.070806581
aldh1a2	CO353562	0.546	0.371200117
LOC567594	EV555201	-0.716	0.014667557
mrpl14	EV555213	-0.608	0.036616921
ublcp1	EV555235	-0.576	0.055283071
sub1	EV555259	-0.439	0.334432627
efhd2	EV555286	0.348	0.489924405
zgc:136826	EV555298	0.975	0.01354099
capza1b	EV555311	0.447	0.040138096
ctnmb2	EV555350	0.676	0.027404016
lyg1l	EV555402	0.408	0.386385989
NA	EV555404	-0.703	0.005683867
rpl36a	EV555494	0.473	0.181146659
aldh3d1	EV555603	-0.644	0.029032909
rbx1	EV555628	-0.481	0.077749154
pgrmc1	EV555678	0.448	0.205837521
si:dkey-51e6.1	EV555700	0.896	0.043355572
LOC100000332	EV555701	-0.915	0.016750756
NA	EV555716	0.471	0.157460834
ppp1r7	EV555726	-0.399	0.200856613
NA	EV555727	0.504	0.027904708
NA	EV555808	0.221	0.647429467
zgc:92744	EV555822	0.65	0.032305225

pgam1a	EV555825	0.68	0.024930407
wu:fj82b07	EV555841	-0.888	0.443342043
rps18	EV555858	0.654	0.074026896
zgc:158228	EV555883	-0.175	0.640926826
pdhb	EV555923	0.856	0.002984631
cyp46a2	EV555924	0.242	0.482043789
iqcc	EV555926	-0.5	0.038515023
si:ch211-210c8.7	EV555942	-0.717	0.003623661
ints3	EV555963	-0.201	0.675033438
tsr2	EV555967	-0.45	0.078374167
qars	EV555995	-0.249	0.263433076
NA	EV555996	0.531	0.043604737
NA	EV556107	0.28	0.489924405
zgc:152851	EV556108	-0.628	0.022439931
ints12	EV556117	-0.587	0.381043468
tmem93	EV556134	-0.31	0.258076368
phgdh	EV556195	-0.375	0.097168172
nsun5	EV556197	-0.279	0.235337454
wu:fj05h12	EV556305	0.359	0.6833372
cnpy2	EV556320	-0.457	0.205668232
NA	EV556413	0.988	0.023107963
ptgr1	EV556456	-0.736	0.038025902
NA	EV556473	0.237	0.56523803
si:ch211-236l14.3	EV556489	0.487	0.288645228
ccdc58	EV556586	-0.53	0.048018561
NA	EV556599	-0.161	0.696095052
med4	EV556635	-0.512	0.649238376
treh	EV556637	-0.895	0.013930939
NA	EV556726	-0.533	0.048805972
dhrs13	EV556745	-0.644	0.035176804
zgc:101016	EV556770	-0.597	0.026653189
LOC100333807	EV556837	-0.295	0.434469476
LOC100534896	EV556859	-0.21	0.527898678
si:dkeyp-2e4.5	EV556979	-0.502	0.026051183
stxbp3	EV557060	-0.27	0.903766864
NA	EV557065	-0.605	0.087070927
zgc:158257	EV557089	-0.283	0.585362587
brip1	EV557097	0.801	0.279808892
NA	EV557104	0.646	0.056621766
NA	EV557151	0.292	0.342088596
NA	EV557179	0.662	0.005017251
slc39a7	EV557180	0.711	0.001298286
LOC100535417	EV557277	0.769	0.006778178

NA	EV557291	-0.421	0.329506859
sumo3a	EV557294	-0.571	0.089568876
sc:d808	EV557326	-0.51	0.041190103
im:7137597	EV557365	-0.56	0.055488424
LOC100537670	EV557415	0.98	0.107980329
ldlrp1a	EV557427	-0.154	0.618886821
rbbp6	EV557446	0.477	0.034283378
zgc:161973	EV557457	1.191	0.067753282
tuba2	EV557535	0.521	0.164562489
LOC100334473	EV557552	1.074	0.087857828
LOC798352	EV557593	-0.499	0.050332316
si:busm1-118j2.5	EV557639	0.631	0.823858863
LOC100538042	EV557647	0.514	0.069449796
ing2	EV557692	-0.434	0.065614201
zgc:154067	EV557840	-0.614	0.03857221
zgc:55395	EV557888	-0.42	0.216651374
zgc:92417	EV557916	-0.409	0.201522067
NA	EV557992	0.385	0.474761444
zswim7	EV558019	-0.31	0.596284198
pdk2	EV558064	0.806	0.02878608
NA	EV558117	-0.263	0.402075377
mrps6	EV558207	-0.263	0.38930379
gbgt114	EV558285	-0.258	0.347441957
cxxc1	EV558288	-0.21	0.376267162
zgc:123178	EV558359	0.467	0.049525614
adipor2	EV558384	0.615	0.024169714
tbpl2	EV558452	-0.36	0.195925932
phf23a	EV558485	-0.336	0.374305063
thoc3	EV558494	-0.293	0.380937452
cfl2l	EV558517	-0.719	0.012687292
NA	EV558530	0.521	0.627145466
si:dkey-273o13.2	EV558534	-0.38	0.181560797
NA	EV558642	-0.927	0.11698225
rpl9	EV558749	0.249	0.38070407
zgc:92184	EV558751	-0.594	0.044407342
zgc:153377	EV558849	-0.645	0.092037082
trdmt1	EV558944	-0.522	0.020353138
LOC563794	EV559064	0.545	0.043435127
alg14	EV559103	-0.856	0.020459948
ppapdc1b	EV559127	-0.479	0.080374555
brd2a	EV559139	-0.838	0.049055837
tbcc1	EV559154	-0.401	0.159031567
acadm	EV559206	0.197	0.548493797

LOC100536831	EV559254	-0.5	0.284781809
si:ch211-191i18.1	EV559286	-0.499	0.220849766
psmc3ip	EV559315	-0.375	0.168303814
wwp2	EV559318	-0.795	0.013930939
actn3b	EV559325	1.18	0.355624237
wu:fe05a04	EV559443	-0.27	0.399482563
rsl24d1	EV559467	0.537	0.081356144
seh1l	EV559482	-0.553	0.049139053
pgp	EV559495	-0.469	0.086260221
ttc32	EV559596	-0.953	0.002750926
LOC100537729	EV559599	-0.248	0.753291962
si:dkey-14d8.1	EV559630	-0.515	0.03673339
prps1a	EV559655	-0.372	0.218192489
tfdp1b	EV559695	-0.339	0.218598649
cdkn3	EV559715	-0.51	0.020496494
NA	EV559766	-0.753	0.5284526
LOC100535847	EV559795	-0.243	0.860556378
bxdc2	EV559829	-0.376	0.099576219
LOC407698	EV559885	-0.644	0.102988261
rac1	EV560028	-0.893	0.080340384
usp10	EV560041	-0.585	0.161418971
pppde1	EV560109	-0.612	0.123113079
si:ch211-59d15.9	EV560155	-0.785	0.006944067
GCH1 *	EV560170	0.631	0.262866281
si:ch211-51e12.7	EV560202	-0.349	0.16967398
zgc:73311	EV560206	0.895	0.006778178
rac1	EV560270	-0.573	0.06554355
chmp4c	EV560271	-0.254	0.449466156
nop16	EV560273	-0.487	0.469386675
zgc:63938	EV560342	1.17	0.071904168
wu:fc76b11	EV560351	-0.631	0.021893411
zgc:92177	EV560405	-0.66	0.023122345
gfer	EV560439	-0.97	0.001556381
tdp2b	EV560482	-0.74	0.01371571
golt1b	EV560565	-0.377	0.105976602
serf2	EV560626	0.448	0.277135938
tph1a	EV560659	-0.736	0.394823096
trip13	EV560777	-0.157	0.843071654
zgc:153393	EV560834	-0.657	0.015733512
si:dkeyp-12a9.5	EV560888	-0.368	0.147032083
LOC100147955	EV560914	-0.384	0.151351655
zgc:73187	EV560958	-0.344	0.189554398
LOC100535315	EV560990	-0.713	0.11215597

exosc8	EV561004	-0.083	0.863692999
pcid2	EV561076	-0.38	0.256810396
LOC100538140	EV561078	-0.939	0.004001054
eed	EV561141	-0.16	0.736924947
ggps1	EV561212	-0.475	0.234436507
tmprss4b	EV561274	-0.463	0.087857828
rab35	EV561361	-0.464	0.058157763
wdr45l	EV561404	-0.854	0.006636586
spint1b	EV561444	-0.666	0.048170326
tram1	EV561479	-0.819	0.079383504
zgc:92670	EV561517	-0.331	0.185127734
fbln5	EV561587	0.011	0.994422311
mapre1l	EV603135	-0.194	0.504525448
zgc:193538	EV603174	-0.325	0.271102073
zgc:158667	EV603231	0.821	0.001984727
srsf2	EV603246	-0.403	0.144580523
NA	EV603271	0.481	0.528441764
sept4a	EV603300	-0.206	0.476215988
timm9	EV603305	-0.307	0.301671265
zcchc8	EV603439	-0.107	0.846735614
zgc:153393	EV603577	-0.665	0.026175984
LOC100535992	EV603655	0.66	0.351929173
LOC100536377	EV603679	-0.203	0.574501964
synj2bp	EV603740	-0.336	0.168340678
hnrmpa1	EV603815	-0.562	0.139508478
LOC100334678	EV603833	-0.3	0.377801186
NA	EV603867	0.364	0.232138741
zgc:101565	EV603888	-0.678	0.695177038
zgc:56688	EV603894	-0.705	0.034471591
ncbp2	EV603899	-0.671	0.022271054
si:zfos-47c12.1	EV854378	-0.765	0.001439871
NA	EV604032	-0.728	0.009305082
mcm10	EV604062	-0.267	0.50244815
LOC564156	EV604105	-0.855	0.025592932
LOC100537724	EV604131	-0.44	0.288252797
pcna	EV604138	-0.621	0.010609446
b3gat3	EV604195	0.85	0.010494963
vcp	EV604208	-0.234	0.37312368
LOC561086	EV604312	-0.61	0.005683867
si:dkey-265a7.2	EV604486	-0.36	0.100942448
pre1a	EV606523	-0.302	0.312457351
si:dkey-177p2.14	EV604569	-0.633	0.029098678
capza1b	EV604599	0.882	0.002173064

sec62	EV604676	0.907	0.012067356
insb	EV604706	-0.817	0.015018819
selm	EV604727	-0.676	0.11844339
abhd10b	EV604771	-0.427	0.048987248
zgc:154064	EV604811	-0.465	0.157900218
mbnl2	EV604872	0.787	0.021747946
LOC564674	EV604874	-0.901	0.016582791
st8sia4	EV604964	0.66	0.250323237
buc	EV605077	-0.677	0.005969547
NA	EV605089	0.766	0.282389902
irf5	EV605104	-0.303	0.33101467
dnajc2	EV605155	-0.204	0.912256978
arid3b	EV605168	-0.535	0.040870301
LOC566020	EV605263	-0.777	0.008602962
txlnba	EV605277	-0.722	0.016750756
cratb	EV605332	-0.703	0.003314074
hmgb3b	EV605347	-0.134	0.759190419
si:ch211-234f14.1	EV605455	0.416	0.585362587
si:dkey-42i9.5	EV605594	-0.263	0.48840198
si:dkeyp-26a9.2	EV605678	-0.506	0.081731335
nudcd1	EV605685	-0.394	0.057385821
NA	EV605812	0.541	0.097716189
LOC100537390	EV605850	-0.334	0.147748516
LOC555985	EV605902	-0.561	0.025852688
si:ch211-14a17.6	EV605918	-0.559	0.043395667
zpcx	EV605919	-0.599	0.194500263
zgc:85657	EV605984	-0.42	0.061931671
fen1	EV606002	-0.772	0.008424686
mat2a	EV606012	-0.282	0.387679936
LOC797655	EV606192	-0.182	0.793434864
mapk3	EV606200	-0.452	0.16967398
hars2	EV606228	-0.507	0.043395667
D			
LOC100536474	CO351102	1.794	0.002340852
ba1	CO356089	2.935	0.004495966
LOC100334539	CO356090	2.913	0.003772252
mif4gdb	CO356133	1.429	0.013786135
ndufb4	CO355513	1.117	0.000309079
LOC569452	EV563726	1.331	0.002471825
msnb	EV563857	1.1	0.008242352
E			
NA	CO349743	1.537	0.004493564
NA	CO349772	2.896	2.2782E-06
rae1	CO349827	2.004	0.000306244

zgc:92869	CO349835	1.555	0.003747174
NA	CO349895	2.171	0.000386934
ptmab	CO350017	2.041	0.006938483
si:dkey-127k13.2	CO350097	-1.66	1.30847E-05
zgc:92707	CO350202	2.41	0.000192755
cpa5	CO350307	4.596	0.01590411
uqerc2b	CO350500	1.475	0.004408475
fabp10a	CO350530	1.809	0.042094464
zgc:172056	CO350607	2.543	0.00010884
si:ch211-215a10.4	CO350782	1.719	0.001007098
tpi1b	CO352643	1.613	0.008927792
zgc:194314	CO352680	2.585	0.002755879
NA	CO352697	2.031	0.000084359
s100a10b	CO352759	1.547	0.027404016
zgc:153978	CO352924	4.282	1.14634E-08
si:ch211-261c8.5	CO352943	3.947	4.72801E-09
gabpa	CO352974	1.177	0.002038716
LOC100534968	CO352975	2.423	3.45548E-06
rpl24	CO353339	1.238	0.000272561
letm2	CO353330	1.484	0.000876794
NA	CO353259	1.814	8.53834E-05
NA	CO353254	1.821	0.001138593
hmgb1a	CO353395	1.291	0.028112837
saga	CO353372	1.105	0.014244705
zgc:77177	CO353416	1.154	3.78036E-05
wu:fb21f05	CO353417	1.804	0.002038716
vdac3	CO353434	1.3	9.53571E-05
NA	CO353502	1.227	0.016561963
NA	CO353516	1.626	0.002713413
LOC100151188	CO353696	2.43	9.53114E-07
NA	CO353767	1.062	0.000304084
podxl	CO353822	1.292	0.001287144
dennd1a	CO353849	1.017	0.025702663
LOC797338	CO353858	1.115	0.003792537
apoc1l	CO353881	4.571	0.004867925
LOC555988	CO353882	2.581	0.010068828
slc25a3b	CO353939	2.21	0.000352519
ddhd1	CO353964	1.57	0.002551444
NA	CO354000	1.182	0.000832309
zgc:123017	CO354004	1.111	0.000265805
zgc:193690	CO354016	1.068	0.001783354
ahcy	CO354113	1.357	0.002038716
zgc:63675	CO354121	3.108	0.000352519

zgc:92590	CO354123	5.837	0.001138593
NA	CO350882	1.134	0.001362921
zgc:101569	CO350886	-1.265	0.035099894
LOC100535597	CO351075	-1.191	0.000650435
ppial	CO351094	-1.149	0.000265805
zgc:195154	CO351481	1.502	0.012595499
LOC799290	CO351500	1.307	0.002818131
itm2bb	CO354174	1.201	0.003427019
NA	CO354218	1.643	0.004685056
b2m	CO354275	1.393	0.015595985
LOC795545	CO354306	1.621	0.001739962
gpx1a	CO354339	1.735	0.01269898
zgc:162356	CO354399	2.701	0.000015387
nme4	CO354451	1.346	0.010352776
acta1b	CO354459	2.245	3.35247E-07
eif1b	CO354527	1.174	0.000750878
strn3	CO354619	1.336	2.2782E-06
aldh9a1a	CO354630	1.551	0.000017995
tp53inp1	CO354681	2.08	0.004979368
calm2b	CO354684	1.383	0.032403095
NA	CO354737	1.143	0.007844704
zgc:77808	CO354941	3.579	0.006423992
NA	CO354953	2.602	5.96689E-06
zgc:112160	CO354973	4.338	0.018607469
zgc:92631	CO354981	2.483	0.000002178
LOC100005117	CO355025	-1.947	0.000114982
NA	CO355033	2.715	0.020497509
igfbp1a	CO355363	2.405	0.004749899
LOC100535672	CO355480	4.524	0.009322112
mylz2	CO355517	3.726	9.53114E-07
nubpl	CO355564	1.478	0.002038716
aldob	CO355676	3.371	0.002838441
NA	CO355677	1.002	0.003500184
snrpa	CO355749	1.026	0.001138593
LOC563795	CO355852	1.738	0.010433913
acta2	CO356007	2.258	0.00027437
tmed1b	CO356013	1.424	0.001812106
try	CO356113	3.254	0.009419398
rbp2a	CO356149	4.625	6.41316E-05
LOC100537045	CO355205	1.694	0.006659513
lyz	CO355823	2.921	0.0193934
LOC100330218	CO356232	1.011	0.00174003
zgc:63660	CO356457	1.285	0.009134166

si:dkey-4e7.3	EV562845	1.331	0.001531141
LOC100537212	EV562895	4.13	4.72801E-09
NA	EV562983	1.55	5.11199E-05
ctdSpl2a	EV563012	2.517	0.030110745
myoz2a	EV563250	1.299	0.000200418
zgc:110340	EV563455	1.055	0.00225611
calr12	EV563475	2.06	4.44629E-08
LOC100535291	EV563649	3.004	0.034999861
LOC795071	EV563654	5.165	0.005914836
asf1bb	EV563738	1.324	0.006327037
si:dkeyp-73d8.6	EV563926	3.767	0.006170038
si:ch211-89f7.4	EV564046	1.236	0.011932205
LOC100302390	EV564118	2.226	9.27155E-06
zgc:103594	EV564292	4.14	1.6184E-06
ccng2	EV564343	1.052	0.001194414
zdhhc13	EV564347	1.643	0.000265805
LOC100330312	EV564479	1.608	0.002984631
mcm3ap	EV564494	3.057	0.00365127
gpx4a	EV564524	2.852	0.01389468
zgc:64161	EV564961	2.039	0.000197531
LOC100536840	CO351688	-1.504	0.021665091
LOC100536776	CO352746	1.627	0.003747174
NA	CO353251	1.176	0.000223198
NA	CO353256	1.688	0.014095526
gpd1b	CO353353	1.258	0.000927107
zgc:136458	EV555253	1.066	0.000084359
zgc:56676	EV555614	-1.041	0.001984727
NA	EV555949	1.384	0.026136818
stmn1a	EV556035	-1.155	0.030087989
NA	EV556059	1.158	0.010470143
NA	EV556084	1.145	0.000760086
tefa	EV556419	1.035	0.002490988
zgc:110788	EV557790	-1.501	0.000277747
NA	EV558075	1.567	0.007194453
NA	EV558188	1.409	0.000197531
bcam	EV558251	1.18	0.001708761
LOC100333174	EV558564	1.495	0.003406646
NA	EV558789	-1.158	0.010609446
tmem183a	EV558899	-1.005	0.011768372
elovl6l	EV559028	-1.624	0.000015387
aldh6a1	EV559178	1.33	0.012078516
zgc:161973	EV559301	1.301	0.015278087
NA	EV560167	1.346	0.023727957

NA	EV560403	-1.48	0.000402188
LOC798927	EV560997	-1.195	0.009085503
prpsap2	EV561045	-1.493	0.000272561
adh8b	EV603276	1.266	0.029727924
cpb1	EV603485	1.201	0.002946144
NA	EV854377	1.553	0.001984727
srsf5a	EV854387	1.279	6.22414E-05
zgc:165555	EV604162	-1.776	5.69379E-05
si:ch211-195i21.1	EV604307	-1.295	0.002819764
LOC100151188	EV604577	2.573	8.92196E-07
ptmaa	EV604828	2.229	0.000146704
grik1a	EV604936	-1.026	0.006203748
zgc:153126	EV605075	-1.015	0.047150616
F			
zp2	AF331968	-1.037	0.11215597
zp2	AF331968	-1.172	0.075519832
bactin2	CO353568	-0.363	0.534187914
si:rp71-56i13.6	CO349714	-0.447	0.144536142
guf1	CO349715	-0.058	0.89729377
zgc:100861	CO349728	-0.989	0.000352519
cisd2	CO349730	-0.438	0.069268003
slc16a3	CO349732	-0.415	0.244643826
abhd4	CO349741	-0.42	0.220849766
si:dkey-44g23.5	CO349747	0.913	0.002546619
myef2	CO349749	0.223	0.636090304
LOC100535602	CO349751	-0.824	0.034283378
fth1a	CO349769	-0.31	0.229087966
NA	CO349774	0.452	0.552715435
zgc:109888	CO349796	0.838	0.043395667
tspan13a	CO349798	-0.501	0.112813081
itgb5	CO349825	-0.001	0.998880188
pitx2	CO349830	0.347	0.681340706
si:dkey-208k4.2	CO349838	-0.574	0.571598616
h3f3a	CO349846	-0.52	0.054505993
acp5a	CO349852	-0.457	0.043395667
wu:fi38e01	CO349865	-0.581	0.154019299
hsd3b7	CO349867	-0.656	0.037840236
LOC100535118	CO349868	-1.015	0.056730646
pdia4	CO349871	0.343	0.193379266
zp2l1	CO349878	-0.522	0.194829495
tacc3	CO349903	-0.352	0.375858721
suc1g1	CO349907	-0.265	0.588954757
zp2.5	CO349910	-1.172	0.072240235
LOC100535162	CO349920	-0.265	0.413031667

ppp1r14aa	CO349921	-0.445	0.090036639
si:ch211-234p6.13	CO349923	-0.88	0.017703467
gdi1	CO349928	0.509	0.071071145
zgc:73293	CO349932	-0.339	0.437591454
birc5b	CO349939	-0.673	0.283311227
LOC100536898	CO349940	-1.033	0.068238803
nccrp1	CO349941	-0.569	0.127329034
mbp	CO349946	0.623	0.143798454
btg4	CO349959	-0.997	0.014217355
wu:fd16e03	CO349964	-0.431	0.06895962
aurkaip1	CO349970	-0.502	0.070152336
tpm3	CO349972	-0.428	0.027144448
vtg2	CO349976	0.435	0.179707979
spcs3	CO349983	-0.216	0.716654859
NA	CO350003	0.324	0.403974271
zgc:162969	CO350009	-0.434	0.567162727
c10orf11	CO350012	-0.265	0.523302664
usp5	CO350014	-0.703	0.005336728
si:ch211-145c1.1	CO350015	-0.865	0.05069052
si:ch211-150o23.2	CO350033	-0.673	0.273062413
si:ch211-125e6.13	CO350034	-1.089	0.057135884
si:ch73-189n23.1	CO350036	-1.135	0.055063736
sumo3b	CO350045	-0.905	0.190196219
hmg20b	CO350054	-0.171	0.692956992
socs3a	CO350055	0.088	0.945401812
hdgfrp2	CO350056	-0.888	0.002919512
EIF2S2	CO350068	-0.215	0.529848083
zgc:110113	CO350075	-0.747	0.057414664
orc6	CO350077	-0.066	0.93094233
atp5o	CO350081	0.165	0.703217421
zgc:152952	CO350084	0.587	0.613783193
oep	CO350088	-0.902	0.000731829
LOC100333071	CO350099	-0.49	0.057599272
rbpms2	CO350100	0.087	0.913782853
zgc:112980	CO350103	-0.118	0.841416803
denr	CO350119	-0.489	0.08205166
lsm1	CO350123	-0.421	0.218192489
cdc20	CO350129	-0.593	0.112682247
dad1	CO350136	0.065	0.913698347
si:dkey-180p18.9	CO350145	0.444	0.087786654
tim8b	CO350146	-0.112	0.728284751
gpm6aa	CO350152	0.747	0.055156091
bzw1a	CO350155	-0.649	0.026709334

rmf111	CO350167	-0.875	0.008431722
zgc:171717	CO350186	-0.941	0.135972212
zgc:153243	CO350212	-0.62	0.010259787
lgals2a	CO350239	0.806	0.044407342
zgc:110753	CO350241	-0.517	0.131331966
pif1	CO350242	-0.542	0.061266847
wu:fb12c06	CO350246	-0.376	0.471224621
zgc:110528	CO350249	-0.26	0.26826927
zgc:171480	CO350259	-0.336	0.3591858
nasp	CO350260	-0.576	0.016750756
gng5	CO350261	-0.08	0.853710554
dtymk	CO350265	-0.472	0.080008589
calm3a	CO350277	-0.611	0.341816578
ckbb	CO350278	-0.949	0.014767567
lgi1a	CO350279	-0.781	0.012800269
im:7142489	CO350290	-0.47	0.135633035
zgc:193711	CO350291	-0.424	0.163678302
atg12	CO350297	0.015	0.980809669
NA	CO350313	0.592	0.020100669
taf13	CO350332	-0.066	0.931132832
zgc:56259	CO350336	-0.291	0.189531676
LOC100150804	CO350340	-1.398	0.559423825
tuba8l4	CO350343	0.013	0.986013528
NA	CO350346	0.518	0.296109706
LOC100535162	CO350347	-0.367	0.412910081
tubb2c	CO350350	-0.224	0.45635855
zgc:101748	CO350367	-0.171	0.728284751
rpz2	CO350370	0.083	0.926753599
rhogc	CO350387	-0.523	0.019165497
NA	CO350397	-0.019	0.982102745
zgc:136336	CO350402	-0.13	0.749755181
NA	CO350409	-0.024	0.967779251
id2a	CO350414	-0.348	0.250665777
LOC100330746	CO350416	-0.975	0.078490849
ctrb1	CO350417	-0.758	0.055156091
wee2	CO350419	-0.785	0.031758002
zgc:109957	CO350426	0.153	0.671799742
zgc:153251	CO350434	-0.624	0.066217612
pou5f1	CO350445	-0.658	0.02407375
fam136a	CO350450	-0.71	0.038827035
EIF5A2	CO350453	-0.642	0.02927217
pi4kb	CO350456	0.554	0.090564109
psmb2	CO350463	-0.15	0.801955316

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rpp21	CO350503	-0.507	0.041190103
zgc:56706	CO350506	-0.352	0.36620763
ppp1r11	CO350510	-0.175	0.653950591
zgc:112305	CO350520	-0.6	0.026413226
mfsd2ab	CO350521	-0.304	0.300872442
si:dkeyp-46h3.2	CO350524	-0.776	0.048018561
zp2.6	CO350532	-1.249	0.053840776
gps2	CO350537	-0.597	0.02434304
zp3c	CO350538	-0.897	0.10193142
nsun4	CO350561	-0.419	0.128924278
lhx8a	CO350568	-0.04	0.971464847
zglp1	CO350569	-0.862	0.062386382
crfb2	CO350572	0.574	0.380937452
uba1	CO350576	-0.071	0.913782853
zgc:136330	CO350579	-0.283	0.218192489
chchd10	CO350585	-0.456	0.332531786
ppp2cb	CO350590	-0.384	0.224266854
LOC100538094	CO350598	-0.368	0.287155528
mt2	CO350599	-0.279	0.738552673
ccnb1	CO350600	-0.792	0.010624355
cox4i1	CO350604	-0.635	0.009491635
imp3	CO350605	-0.039	0.947988082
zgc:85752	CO350610	-0.277	0.197668447
mrpl22	CO350622	-0.064	0.861925699
si:dkey-37o8.1	CO350623	0.155	0.815785293
im:7158796	CO350627	-0.831	0.034496457
si:ch211-268m12.6	CO350631	0.015	0.981476142
LOC100331957	CO350661	-0.181	0.687367193
lman2	CO350665	-0.822	0.011535128
bzw1b	CO350666	-0.486	0.18583814
zgc:113424	CO350671	-0.754	0.087857828
fam49bb	CO350681	0.101	0.833249781
LOC100334510	CO350702	-0.19	0.42861899
zgc:114123	CO350704	-0.571	0.08834328
si:dkey-77a20.7	CO350708	0.159	0.504525448
sdhdb	CO350709	0.95	0.002555867
NA	CO350712	-0.485	0.058157763
LOC100534993	CO350720	0.942	0.220089522
LOC100534660	CO350740	-0.049	0.926137702
suz12a	CO350742	-0.356	0.180259776
btg2	CO350746	-0.906	0.016877015
zgc:123190	CO350752	-0.05	0.946000693

hyou1	CO350754	-0.142	0.783368069
EIF4E1B	CO350757	-0.813	0.014217355
SMARCA5	CO350765	-0.04	0.94940479
MCM2	CO350769	-0.192	0.795290396
KPNA2	CO350773	-0.23	0.460525734
NA	CO350774	0.916	0.005198007
LOC100333229	CO350786	-0.427	0.299434403
WU:FI38E01	CO350790	-0.348	0.606499872
DIS3	CO350806	0.088	0.785871382
RETSATL	CO350808	-1.06	0.119363462
SOD1	CO352625	0.162	0.750412594
ZGC:153256	CO352627	-0.958	0.016445147
NA	CO352630	0.533	0.227780503
OLA1	CO352634	0.468	0.088699773
PSMB6	CO352692	-0.175	0.743911372
LGALS3BPB	CO352707	0.494	0.489325088
DCUN1D1	CO352717	-0.212	0.369356515
LOC100334417	CO352731	-0.265	0.629226405
PDIA3	CO352736	0.555	0.110814223
ZGC:77052	CO352771	-0.081	0.841416803
MAD2L1	CO352803	-0.457	0.531567788
CREG2	CO352804	0.849	0.013697012
H2AFV1	CO352847	0.131	0.777851484
LOC100331859	CO352848	0.643	0.121046983
PCGF1	CO352852	-0.449	0.28964726
LMNL3	CO352873	0.158	0.764095358
PANE1	CO352883	-0.367	0.282389902
POLR2D	CO352891	-0.186	0.680378955
SNRPD3L	CO352904	0.275	0.38756763
NUDC	CO352907	0	0.999348392
CDADC1	CO352911	0.068	0.936486755
HAUS3	CO352955	-0.48	0.033614551
SI:DKEY-23C22.6	CO352969	0.392	0.330974627
H1FX	CO352972	0.723	0.040198478
SI:CH211-202H22.6	CO352973	0.091	0.91165408
ANXA11A	CO352997	0.529	0.017767464
NDUFA4L	CO353018	0.105	0.783217626
RFC4	CO353037	1.188	0.090556649
NDC80	CO353062	-0.269	0.404451683
OLA1	CO353082	0.376	0.224357185
CLIC4	CO353091	0.097	0.906392174
NA	CO353094	0.916	0.019165497
LOC100333245	CO353102	-0.145	0.725107133

NA	CO353103	0.075	0.851407592
gstp1	CO353110	0.43	0.058157763
NA	CO353114	1.211	0.080008589
psmd12	CO353118	-0.085	0.828662094
LOC100332249	CO353139	0.659	0.256270413
NA	CO353146	0.087	0.897635763
anxa2a	CO353154	0.628	0.494047655
degs2	CO353164	-0.7	0.011421813
rgs5a	CO353195	0.434	0.399181353
gas8	CO353198	0.532	0.084669454
NA	CO353222	0.238	0.562014944
arl3	CO353238	-0.074	0.93094233
zgc:73328	CO353247	-0.226	0.491616567
seta	CO353337	-0.009	0.987650934
NA	CO353336	0.556	0.073016885
NA	CO353329	0.877	0.015594655
fkbp1aa	CO353318	0.047	0.931132832
LOC555512	CO353317	0.26	0.286887011
fth1a	CO353311	-0.146	0.713510838
ccng1	CO353308	0.162	0.732426762
tomm20a	CO353307	-0.31	0.115790109
zgc:56699	CO353304	-0.905	0.020764407
zgc:56699	CO353298	-0.669	0.046983851
zgc:110337	CO353271	0.631	0.062876768
ldhd	CO353266	0.351	0.091401078
cops2	CO353260	-0.388	0.253354476
acin1a	CO353427	0.224	0.629226405
LOC100535659	CO353401	1.167	0.068238803
tpm3	CO353400	-0.554	0.029422993
LOC100535363	CO353398	-0.133	0.769973826
ran	CO353386	0.349	0.17090023
hmgn2	CO353377	0.907	0.078485079
NA	CO353468	0.256	0.372944243
hnrnpa0	CO353476	0.327	0.351929173
ak4	CO353480	0.45	0.072153658
NA	CO353482	0.887	0.000953499
zgc:123105	CO353492	0.518	0.191218397
LOC565998	CO353503	0.955	0.040198478
tars	CO353505	-0.098	0.793413726
NA	CO353517	0.879	0.224792473
zgc:136763	CO353528	0.383	0.367411009
odf3b	CO353557	-0.493	0.355542257
zgc:152925	CO353559	-0.095	0.859921083

LOC100330070	CO353564	-0.386	0.190288955
cst3	CO353578	0.92	0.032944101
zgc:56095	CO353598	-0.273	0.380937452
rcor1	CO353622	-0.033	0.955572814
smx5	CO353623	-0.021	0.982102745
LOC553527	CO353624	0.934	0.030941173
cd151	CO353648	0.976	0.012734023
rgs5a	CO353660	0.195	0.78887184
zgc:153952	CO353672	0.829	0.038712414
sec61g	CO353680	0.047	0.932603755
NA	CO353683	0.334	0.331872615
LOC100147862	CO353691	-0.447	0.092631464
wu:fc26g07	CO353698	0.556	0.092037082
NA	CO353717	0.369	0.283599037
tax1bp1b	CO353722	0.704	0.029933562
rif1	CO353749	-0.204	0.740925309
im:7162646	CO353782	0.331	0.254763216
zgc:152916	CO353810	0.965	0.003650647
NA	CO353864	0.999	0.032335355
faub	CO353903	-0.281	0.649238376
hmgn3	CO353907	0.414	0.42567734
NA	CO353919	-0.075	0.887668346
NA	CO353968	0.414	0.050501629
elovl7a	CO354011	0.011	0.990222189
zgc:92458	CO354022	0.765	0.048018561
si:dkey-25e12.3	CO354033	0.515	0.031473692
LOC568334	CO354040	0.543	0.043395667
bmpr2a	CO354068	0.583	0.100291982
ncf2	CO354069	0.745	0.005914836
si:ch211-66i15.4	CO354078	0.852	0.021546603
birc5a	CO354108	-0.251	0.56473897
tagln	CO354115	0.88	0.01813956
ppm1h	CO354127	0.869	0.012562153
fkbp5	CO354143	1.123	0.057142717
LOC100330476	CO350821	-0.558	0.024930407
zgc:158412	CO350830	-0.822	0.002984631
gnmt	CO350833	0.402	0.202531566
LOC566907	CO350836	-0.382	0.412946808
hnmpab	CO350847	-0.408	0.311749739
zp3	CO350858	-0.621	0.340660947
eif1axa	CO350862	-0.446	0.148595699
taf9	CO350872	-0.379	0.464120862
LOC796684	CO350888	-0.426	0.072852702

mcl1a	CO350906	-0.593	0.046559022
zgc:171670	CO350917	-1.024	0.069194278
rps3	CO350921	0.774	0.056730646
zp21l	CO350923	-0.588	0.255879876
zgc:103652	CO350931	-0.551	0.041186707
NA	CO350933	0.04	0.955806034
lsm14b	CO350940	-0.822	0.091716838
zgc:173544	CO350964	-0.852	0.026941735
orc1	CO350968	0.025	0.972792998
zgc:162945	CO350972	-0.79	0.030087989
tp1a	CO350978	-0.816	0.100217096
zgc:162344	CO350982	0.062	0.89729377
LOC100536069	CO350984	-0.842	0.016445147
LOC556271	CO350990	-0.72	0.07858468
zgc:92808	CO351006	-0.264	0.540103161
si:ch211-239j9.2	CO351008	0.014	0.980546671
tuba4l	CO351009	-0.046	0.934024818
zgc:101026	CO351017	-0.299	0.419735327
vtg1	CO351022	-1.001	0.290322058
org	CO351030	-0.818	0.03799832
sap18	CO351045	-0.304	0.67546238
LOC100535411	CO351056	0.12	0.831558318
plp1b	CO351063	0.697	0.057197734
LOC571155	CO351066	0.072	0.910423161
dvr1	CO351067	-0.89	0.03453324
thy1	CO351069	-0.903	0.405134419
si:ch211-69g19.2	CO351079	-0.007	0.992341285
LOC100534658	CO351081	-0.617	0.040094246
wu:fc47e11	CO351084	-0.541	0.126134887
znrd1	CO351086	-0.655	0.008245053
si:ch211-225p5.3	CO351089	-0.217	0.528399802
zgc:100919	CO351092	-0.544	0.0561653
dap1b	CO351096	0.069	0.958241555
zgc:56565	CO351109	-0.852	0.031248865
si:dkey-188i13.1	CO351115	-0.037	0.967868913
gapdhs	CO351120	0.587	0.157904637
wu:fd16d01	CO351130	-0.386	0.189978502
NA	CO351158	0.157	0.60691061
snai1a	CO351162	-0.103	0.826128995
LOC100000999	CO351167	0.562	0.318571034
LOC555475	CO351168	-0.995	0.013142809
eef2b	CO351197	0.06	0.935571786
si:ch211-234p6.13	CO351198	-0.391	0.358420511

pdhb	CO351218	0.279	0.286478618
atp5c1	CO351232	0.051	0.934056397
LOC100534948	CO351287	0.928	0.003747174
LOC100334439	CO351289	-0.612	0.013408767
zgc:173837	CO351317	-0.61	0.036152812
atl3	CO351372	-0.665	0.009887934
LOC562097	CO351380	0.032	0.949932621
zgc:153499	CO351399	-0.729	0.031987234
mos	CO351401	-0.975	0.009372196
zgc:163047	CO351422	0.301	0.432593695
LOC100536090	CO351425	-0.019	0.982102745
LOC560808	CO351447	0.257	0.375622565
ola1	CO351453	0.036	0.93858397
galcb	CO351474	-0.227	0.533990318
zgc:92261	CO351499	0.048	0.952721573
LOC100536577	CO351506	0.525	0.083525767
zgc:162431	CO351508	0.637	0.108155599
il13ra2	CO351514	-0.497	0.444432227
lsm11	CO351518	-0.558	0.221270008
rpl7l1	CO351519	-0.382	0.179806316
LOC100535616	CO351530	-1.023	0.054196806
zgc:110304	CO351533	0.169	0.802662825
tpst1	CO351543	0.745	0.008431722
wu:fi04f09	CO351552	-0.014	0.990175261
LOC100004563	CO351560	-0.009	0.989927548
aurkb	CO351563	-0.695	0.016439834
sec61a1	CO351567	0.772	0.002917278
smn1	CO351568	-0.397	0.069449796
btr04	CO351572	-0.232	0.413031667
zgc:77767	CO351578	-0.743	0.009085503
zgc:112231	CO351579	-0.215	0.552715435
cyp11a1	CO351589	-0.48	0.176473355
si:dkey-170i10.1	CO351591	-0.49	0.049455406
NA	CO351593	-0.432	0.528600589
si:dkeyp-94h10.5	CO351603	-0.143	0.566920006
NA	CO351611	-0.43	0.157460834
rbm4.1	CO351615	-0.19	0.768443363
shfm1	CO351618	-0.024	0.968178953
LOC100006146	CO351636	-0.082	0.89729377
mrpl17	CO351637	-0.466	0.063939554
si:dkey-181i3.3	CO351640	0.3	0.526362975
si:dkey-97o5.1	CO354150	-0.73	0.162414843
zgc:112397	CO354162	-0.623	0.395710101

zgc:114119	CO354192	-0.348	0.363046438
zgc:101748	CO354193	-0.233	0.408628345
krt4	CO354256	1.112	0.189531676
akap8l	CO354263	0.186	0.748881259
hexim1	CO354276	0.53	0.084051114
nutf2l	CO354283	-0.624	0.020100669
zgc:153629	CO354303	1.32	0.086652979
nol6	CO354330	-0.285	0.203212089
usp36	CO354344	0.522	0.077542154
LOC569147	CO354351	0.837	0.002819764
retsat	CO354360	0.581	0.060757118
LOC100151157	CO354374	0.049	0.940175133
cfr	CO354389	0.336	0.354402289
si:ch211-127n13.2	CO354391	-0.022	0.987650934
NA	CO354398	0.392	0.11967645
zgc:101581	CO354402	0.702	0.038827035
ppp2cb	CO354410	-0.137	0.786229357
serbp1	CO354428	0.616	0.051076828
esco2	CO354508	-0.281	0.301671265
NA	CO354565	-0.297	0.370581964
thoc6	CO354579	-0.356	0.218090044
zgc:73380	CO354601	0.023	0.97424011
gpd1l	CO354622	0.754	0.104957542
kif23	CO354625	0.098	0.849342472
zgc:92648	CO354628	-0.4	0.046285023
LOC799177	CO354638	-0.703	0.071228351
zgc:112425	CO354648	0.527	0.16653491
im:7142942	CO354667	-0.57	0.036195613
LOC100536039	CO354678	-0.258	0.432871458
LOC100537823	CO354682	-0.035	0.946772771
LOC100535659	CO354733	0.988	0.078485079
si:ch211-241p10.1	CO354735	0.048	0.949171716
zgc:110645	CO354753	0.16	0.765971863
nid1a	CO354764	1.07	0.234141378
zgc:55461	CO354786	-0.027	0.976359426
smg7	CO354840	0.975	0.001841541
LOC100534665	CO354869	-0.283	0.29550132
si:dkey-52k20.7	CO354886	1.758	0.072852702
hspa8	CO354958	-0.395	0.186706305
NA	CO354963	0.592	0.0561653
NA	CO354980	0.223	0.669993133
vbp1	CO355019	-0.565	0.126671097
ywhaqa	CO355039	-0.219	0.784639744

NA	CO355072	-0.104	0.853334075
LOC100538089	CO355074	0.912	0.051996121
aurka	CO355111	-0.236	0.484461238
LOC572312	CO355112	-0.318	0.399081433
zgc:123339	CO355125	0.009	0.996451012
NA	CO355133	0.809	0.012934277
zgc:171959	CO355135	0.069	0.913434464
cfdl	CO355141	1.302	0.192545871
EIF4G2B	CO355175	-0.226	0.731010082
flj110111	CO355176	-0.623	0.013408767
NA	CO355180	0.975	0.038712414
LOC100536508	CO355194	-0.242	0.450353775
ak2	CO355206	0.114	0.841416803
podxl	CO355218	0.69	0.197980197
NA	CO355227	0.521	0.169713892
tmem231	CO355250	-0.227	0.526730787
farsb	CO355265	0.238	0.367150912
lifra	CO355307	0.539	0.0096041
zgc:92533	CO355310	-0.175	0.935865221
arpc2	CO355316	0.209	0.410761943
LOC100002956	CO355342	0.202	0.484138311
fxyd1	CO355345	0.301	0.220849766
FCER1GL	CO355346	0.222	0.640926826
tagln2	CO355354	0.705	0.081356144
NA	CO355373	0.26	0.316322495
NA	CO355381	0.522	0.375858721
ugeg	CO355394	0.21	0.645402812
EIF3B	CO355398	0.016	0.979398809
coro1a	CO355400	0.109	0.811413779
mmp2	CO355454	-0.027	0.982102745
thrap6	CO355490	0.158	0.863184456
vdac2	CO355519	0.578	0.021184529
nfil3	CO355523	0.193	0.477665071
NA	CO355532	0.193	0.599067906
rps28	CO355542	0.729	0.037578259
lsmd1	CO355543	-0.038	0.952721573
dpys	CO355560	0.956	0.002393677
eno1	CO355562	0.812	0.002466041
sept7a	CO355593	0.25	0.626631511
fn1b	CO355598	0.559	0.116733064
LOC100332577	CO355615	0.45	0.071904168
arhgdia	CO355616	0.829	0.00193209
si:ch1073-459j12.1	CO355623	0.293	0.370581964

appb	CO355640	0.504	0.276707435
LOC100536095	CO355651	0.668	0.038827035
atp2a3	CO355691	0.141	0.704957403
pa2g4b	CO355706	0.037	0.94940479
hp1bp3	CO355711	0.477	0.083227543
kal1a	CO355716	0.302	0.311749739
slc7a3	CO355717	0.408	0.299950335
ssr4	CO355744	0.499	0.093750858
psmd4a	CO355770	0.723	0.025843044
flna	CO355792	0.307	0.416214028
arhgef19	CO355804	0.894	0.008768755
rplp2	CO355819	0.503	0.224974036
LOC558023	CO355825	0.542	0.05179263
NA	CO355836	0.183	0.572122427
LOC100535251	CO355892	0.235	0.405796037
NA	CO355921	-0.002	0.998093436
rbmx	CO355988	-0.934	0.001841541
carhsp1	CO356006	-0.271	0.38756763
inka1b	CO356024	-0.816	0.029551521
nucb2b	CO356030	0.195	0.64603531
NA	CO356081	0.223	0.563208133
ttc9c	CO356096	-0.161	0.626825768
zgc:174710	CO356101	-0.097	0.857611799
NA	CO356117	-0.047	0.934056397
ormdl1	CO356128	-0.271	0.441859541
LOC100534734	CO356143	0.078	0.904420746
mf32	CO355169	-0.195	0.783968861
zgc:56419	CO355357	-0.477	0.526166133
umps	CO355426	-0.546	0.063109074
nap1l1	CO355704	-0.43	0.133139758
LOC553366	CO356182	-0.832	0.01590411
zgc:110380	CO356194	1.036	0.054505993
fam177a1	CO356208	-0.041	0.95228721
insl3	CO356213	-0.162	0.761746259
si:dkey-42i9.10	CO356262	0.615	0.053546992
NA	CO356277	0.816	0.024666259
LOC561889	CO356292	-0.1	0.834394626
NA	CO356294	0.47	0.117852851
msh2	CO356357	-0.105	0.805159617
cse1l	CO356400	-0.081	0.882153708
si:dkey-211e20.8	CO356401	0.098	0.765971863
uba2	CO356417	-0.241	0.416549681
NA	CO356440	0.54	0.299434403

coro1ca	EV562737	0.043	0.955917073
LOC100005937	EV562757	-0.221	0.527713406
tpd52	EV562790	0.307	0.494770697
lxn	EV562836	0.405	0.617713439
hmg1a	EV562863	-0.232	0.485024484
arrdc3b	EV562866	0.402	0.17090023
NA	EV562968	0.321	0.325258602
zgc:92201	EV562985	-0.415	0.116946729
LOC100537801	EV562999	-0.305	0.481309341
NA	EV563019	-0.101	0.853710554
pppde1	EV563037	-0.332	0.231512833
dkk3	EV563068	0.411	0.567919868
obfc2ab	EV563104	-0.597	0.01062382
pla2g15	EV563105	-0.028	0.971726076
LOC100330285	EV563204	-0.388	0.330654704
NA	EV563224	0.287	0.666790252
chd	EV563263	0.613	0.517446914
cep5711	EV563307	0.078	0.826120195
EIF4G2B	EV563319	0.129	0.734303024
LOC100331428	EV563321	0.975	0.08343889
zgc:92763	EV563334	0.283	0.472114447
zgc:101819	EV563526	-0.025	0.96505152
slc25a12	EV563548	-0.123	0.775800915
tdrd7	EV563554	0.233	0.433226861
NA	EV563589	1.026	0.116614827
spc25	EV563681	-0.258	0.401341275
NA	EV563687	0.566	0.200751224
ik:tdsubc_1b12	EV563715	0.586	0.329105925
NA	EV563719	0.324	0.585919672
zgc:77517	EV563744	0.766	0.107980329
si:dkey-250123.2	EV563915	0.22	0.830981581
trim44	EV563917	0.484	0.267825133
NA	EV563945	0.309	0.394823096
gins3	EV564065	-0.314	0.288252797
LOC100537338	EV564099	0.954	0.003014754
zgc:109986	EV564130	0.772	0.008428862
dars	EV564137	0.624	0.040795926
akr1a1a	EV564263	1.096	0.087786654
mfap2	EV564271	0.957	0.071123335
znhit1	EV564286	0.021	0.970791488
gpib	EV564297	0.774	0.093705644
ska3	EW680229	0.672	0.026075471
katnal2	EV564486	-0.469	0.258227078

zgc:136474	EV564515	0.493	0.108313639
prdx1	EV564608	-0.434	0.426535035
abcc5	EV564698	0.304	0.567162727
LOC100536178	EV564750	0.019	0.98427946
zgc:175264	EV564783	0.175	0.630106452
LOC572121	EV564859	-0.033	0.977562608
zgc:162576	EV564862	0.655	0.200069699
anxa1a	EV564897	1.067	0.16967398
asmtl	EV564972	0.62	0.048018561
nfr	EV565012	-0.746	0.013173232
NA	EV565045	0.469	0.384001892
zgc:174506	EV565091	-0.137	0.741612801
tdrd7	EV565152	0.12	0.78777439
tram2	EV854406	-0.757	0.01590411
anapc5	CO350287	0.018	0.98427946
hspa5	CO350325	-0.077	0.90363568
ranbp1	CO350633	-0.362	0.524546632
zgc:158363	CO351219	-0.19	0.804414068
LOC797855	CO351351	-0.179	0.764208914
srsf6a	CO351471	0.221	0.537794868
myh9a	CO351476	-0.097	0.926059742
dynll1	CO351562	-0.327	0.399482563
zgc:193933	CO351641	-0.379	0.386385989
cx43.4	CO351666	-0.448	0.35985492
NA	CO351682	-0.08	0.809196356
marcksb	CO351683	-0.557	0.52216369
zgc:136338	CO351704	0.41	0.284767591
map2k4b	CO351708	0.51	0.087150162
zgc:153409	CO351716	0.307	0.807934465
sybu	CO351745	-0.808	0.09873676
si:dkeyp-114g9.1	CO351761	0.005	0.994012944
haus1	EV854438	-0.424	0.366104279
zgc:86598	EV854475	0.474	0.081731335
EIF4G2A	EV854489	-0.181	0.645402812
npdc1	EV854514	-0.364	0.418073796
LOC100534876	EV854527	-0.589	0.11201286
NA	CO352780	-0.018	0.977604715
ccdc65	CO352979	0.185	0.547326112
nhp211	EV854552	-0.688	0.037578259
LOC100330652	EV854561	-0.434	0.232557726
prmt10	EV854625	0.037	0.955917073
dkk3	EV854629	0.591	0.327836899
NA	CO353290	-0.712	0.036391113

NA	CO353295	-0.707	0.065102253
traf1	CO353310	-0.488	0.169713892
ccni	CO353963	0.789	0.058536316
gtf2a1	CO354110	-0.388	0.258702668
LOC100148221	CO354304	-0.552	0.021018333
LOC100534948	CO354573	0.589	0.394823096
NA	EV555200	0.633	0.065800873
zgc:152965	EV555280	-0.098	0.722429783
spon1b	EV555281	-0.274	0.64585754
arhgap10	EV555302	-0.485	0.079047419
dus4l	EV555312	-0.331	0.298099037
nsmce4a	EV555316	-0.339	0.209701811
NA	EV555342	0.342	0.341176041
net1	EV555400	-0.032	0.968588295
nrxn1b	EV555435	0.698	0.057574367
pabpc1l	EV555460	-0.515	0.179707979
NA	EV555474	0.988	0.038375054
rnaseh1	EV555500	-0.723	0.001556381
zgc:56200	EV555588	-0.196	0.684834614
zgc:110584	EV555611	-0.255	0.36239342
ppm1g	EV555620	0.102	0.879051863
isoc2	EV555656	1.098	0.089572352
LOC100333064	EV555662	0.126	0.676437895
NA	EV555752	0.443	0.481309341
zplxdc2	EV555791	0.917	0.005428861
hspd1	EV555803	0.431	0.119623152
zgc:154068	EV555827	-0.163	0.606499872
NA	EV555828	0.604	0.298047944
postn	EV555843	-0.191	0.768443363
cars	EV555849	0.009	0.99387636
c6	EV555855	0.487	0.418606507
LOC100332626	EV556004	-0.497	0.205668232
LOC100536370	EV556023	0.594	0.218192489
zgc:56072	EV556032	0.17	0.706507914
rpl10	EV556040	-0.127	0.815785293
zgc:114041	EV556109	-0.199	0.647429467
atic	EV556151	-0.022	0.979494409
wu:fj39b01	EV556172	0.537	0.381125843
cat	EV556193	0.259	0.687732215
NA	EV556258	-0.893	0.034731329
zgc:55843	EV556341	-0.184	0.525158777
zgc:171795	EV556373	0.054	0.903766864
NA	EV556418	0.395	0.247152024

NA	EV556427	0.057	0.931402973
s100a1	EV556428	-0.751	0.073659353
LOC567678	EV556445	-0.672	0.210511805
lsm8	EV556454	0.072	0.852853804
EIF3S6IP	EV556478	-0.074	0.860762194
AP1G1	EV556527	-0.238	0.610178357
TCEB1A	EV556528	-0.078	0.853213473
LOC100535842	EV556631	-0.887	0.12733685
LOC100334599	EV556646	0.889	0.237266104
EIF4E	EV556736	0.034	0.949932621
IARS	EV556757	0.169	0.585362587
TMEM144B	EV556857	-0.224	0.441859541
ZGC:66449	EV556911	-0.082	0.873421224
BUD31	EV557026	-0.647	0.029616982
NA	EV557061	0.139	0.880219845
SI:CH211-105D11.3	EV557072	0.095	0.791196077
PA2G4A	EV557095	0.661	0.03151793
ZGC:123274	EV557098	0.745	0.03857221
NA	EV557113	0.414	0.144801417
NMT1A	EV557137	-0.203	0.64585754
NA	EV557153	-0.497	0.078485079
LOC100333953	EV557161	-0.62	0.031126363
NA	EV557166	-0.5	0.287234009
SI:DKEY-261H17.1	EV557366	-0.16	0.794209681
IDE	EV557410	-0.271	0.36239342
SI:CH211-214P16.1	EV557421	0.361	0.231043381
BNIP3LB	EV557432	0.514	0.104428708
BACTIN2	CO353568	0.044	0.973405315
ZGC:103482	EV557619	-0.416	0.116294563
PUS3	EV557625	-0.358	0.166056928
ZGC:152968	EV557648	0.497	0.201911641
SI:CH211-155K24.6	EV557650	-0.276	0.526730787
PLK1	EV557668	-0.418	0.171784487
GINS2	EV557676	-0.916	0.008810036
DND	EV557789	0.043	0.96545664
DND	EV557793	-0.011	0.988643015
ZGC:103482	EV557820	-0.442	0.153990024
RCC1	EV557822	-0.565	0.036172087
CISD1	EV557867	0.291	0.691940052
PLXND1	EV557879	0.528	0.140082413
ZGC:77714	EV557923	0.308	0.430557701
LOC559576	EV557932	0.556	0.127022112
ZGC:56280	EV557937	0.254	0.584290346

LOC100003370	EV558037	-0.733	0.012143924
NA	EV558066	-0.145	0.834394626
ddx6	EV558091	0.183	0.791196077
NA	EV558093	0.7	0.012779625
si:ch211-155k24.6	EV558187	-0.504	0.230869581
anxa11b	EV558201	0.259	0.491663078
cdc45	EV558232	-0.239	0.422016575
dnmt1	EV558233	-0.989	0.002819764
dynll2a	EV558258	0.115	0.834394626
rrm2	EV558295	-0.761	0.013548035
NA	EV558323	-0.585	0.078485079
zgc:158852	EV558329	-0.773	0.012800269
LOC100002476	EV558365	-0.214	0.860604692
LOC100334424	EV558447	-0.39	0.365355178
si:dkey-42i9.8	EV558455	-0.724	0.067493216
pepd	EV558463	-1.16	0.064984996
anp32b	EV558558	-0.232	0.600571768
hmgb2a	EV558567	-0.09	0.874025574
LOC100536708	EV558573	-0.107	0.787685466
zgc:152928	EV558579	0.08	0.913782853
eml2	EV558608	-0.536	0.087334394
fbxo11-like	EV558622	-0.643	0.025702663
LOC100536529	EV558643	-0.258	0.533405954
bactin2	CO353568	0.111	0.903766864
si:dkey-276i5.1	EV558750	0.709	0.023436883
dab2	EV558797	-0.567	0.437591454
si:dkey-192o1.2	EV558802	-0.958	0.007648607
sart3	EV558814	-0.251	0.440790818
zgc:56231	EV558847	-0.986	0.011410492
nup43	EV558854	-0.191	0.589369232
NA	EV558909	-0.93	0.026709334
snrpd1	EV558979	0.514	0.166042347
NA	EV559006	1.078	0.09346974
zgc:171667	EV559033	0.677	0.044424241
pold2	EV559135	-0.793	0.00655523
zgc:173742	EV559186	0.404	0.34307105
NA	EV559189	-0.708	0.084481776
zgc:55888	EV559300	-0.41	0.201503917
si:ch211-67e16.9	EV559306	-0.277	0.489517469
si:ch211-239e6.4	EV559308	-0.922	0.019165497
LOC556026	EV559355	-0.018	0.984629905
rrm1	EV559365	-0.264	0.503454077
fgfr11b	EV559378	-0.739	0.242975183

LOC100002916	EV559386	-0.165	0.495120174
zar1	EV559391	-0.887	0.128228327
zgc:55877	EV559435	-0.664	0.042094464
tipin	EV559743	-0.727	0.006944067
lamp2	EV559754	-0.661	0.040821439
zgc:158856	EV559775	-0.867	0.01764688
LOC799904	EV559816	0.246	0.530858727
eme1	EV559873	-0.286	0.299870544
gpr160	EV559910	-0.525	0.093401085
slc16a3	EV560034	-0.295	0.589869026
ccnh	EV560100	-0.574	0.013930939
zgc:113293	EV560102	-0.723	0.012562153
EIF4EBP3	EV560113	0.363	0.563208133
zgc:101851	EV560211	0.095	0.846111136
wu:fi42e03	EV560294	-0.875	0.031185357
zgc:113200	EV560398	0.178	0.776244948
zgc:77112	EV560453	-0.645	0.135633035
clu	EV560454	0.005	0.997490297
LOC569642	EV560472	-0.852	0.06913732
LOC100537662	EV560480	-0.075	0.893205227
EIF4ENIF1	EV560519	-0.625	0.040776926
zgc:86764	EV560550	-0.482	0.104428708
fmn2b	EV560613	0.071	0.914157093
fdx1	EV560623	-0.15	0.765971863
ddx6	EV560633	0.028	0.98164737
zgc:55781	EV560688	-0.216	0.644926509
zgc:162200	EV560692	0.688	0.219202556
mcf2a	EV560708	-0.943	0.00816685
mxra8a	EV560738	-0.27	0.707686204
h2afv	EV560934	-0.89	0.003435629
NA	EV560955	-0.986	0.017567351
ndufa8	EV560966	-0.062	0.913782853
dkc1	EV561049	0.037	0.970137932
NA	EV561168	0.051	0.934056397
ell2	EV561207	-0.544	0.13326951
zgc:110307	EV561216	-0.756	0.027587997
sybu	EV561220	-0.537	0.135633035
NA	EV561239	-0.891	0.112495415
LOC100535261	EV561241	-1.033	0.29086882
rmf111	EV561246	-0.526	0.055943654
ppfia3	EV561259	-0.833	0.06425532
LOC100536069	EV561289	0.41	0.4268045
zgc:103738	EV561303	0.474	0.237017578

tram2	EV561310	-0.482	0.028812006
tubb5	EV561318	-0.147	0.782169309
smc4	EV561367	-0.285	0.375622565
mcm3l	EV561418	-0.855	0.005987807
rpl27	EV561475	-0.893	0.007698171
rdh10b	EV561565	-0.959	0.005336728
NA	EV603090	1.04	0.075341975
NA	EV603125	-0.294	0.405134419
mrpl36	EV603209	0.009	0.989994061
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LOC564151	EV603238	0.089	0.854491047
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atpif1	EV603257	-0.415	0.173381156
NA	EV603272	-0.187	0.639647709
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cenpa	EV603414	-0.411	0.034528132
NA	EV603423	0.149	0.796877423
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h2afx	EV854365	-0.848	0.018202937
hmga1a	EV603500	-0.134	0.764508086
zgc:103481	EV603561	-0.635	0.367430413
LOC100332020	EV854368	-0.668	0.489572755
NA	EV603600	-0.882	0.041049921
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ccna1	EV854371	-0.866	0.054155475
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LOC100535587	EV603782	0.004	0.994422311
g3bp1	EV854375	-0.136	0.703020527
uchl1	EV854376	-0.751	0.130660113
vim	EV603914	0.468	0.315242635
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cfl2l	EV603981	0.18	0.762500321
parn	EV603982	-0.089	0.879526101
pdcd4b	EV603993	-0.568	0.330356578

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eme1	EV604256	-0.385	0.157900218
asb3	EV604278	0.079	0.913698347
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ap2a1	EV604361	-1	0.002038716
LOC568145	EV604369	-0.453	0.274442664
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pdc7	EV604424	-0.188	0.573300652
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mycl1a	EV604462	0.144	0.861836641
cdca8	EV604463	-0.531	0.158028123
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bub3	EV604520	-0.712	0.038712414
cbx3a	EV604597	-0.187	0.533312182
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ca15b	EV604784	-0.797	0.013591308
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fermt1	EV604935	-0.462	0.093059407
fkbp1ab	EV604955	-0.319	0.347737539
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LOC569097	EV605161	0.067	0.885181569
polr3c	EV605163	-0.095	0.817769085
chac1	EV605173	0.7	0.298914416
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hnrnpab	EV605399	0.252	0.772101766	
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larp6	EV605473	-0.335	0.397433353	
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LOC100149910	EV605793	-0.234	0.817895688	
mcmbp	EV605854	-0.425	0.064984996	
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slc25a26	EV606036	-0.024	0.977562608	
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NA	EV606064	0.186	0.709938165	
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NA	EV606142	0.685	0.100630447	
zgc:92139	EV606145	-0.464	0.189123671	
uqerc2a	EV606155	0.54	0.023293105	
NA	EV606168	0.649	0.441068548	
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tatdn2	EV606199	-0.475	0.128421887	
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	NA	CO349791	-1.121	0.047676211
	zgc:114188	CO349795	1.064	0.024168706
	gtf3ab	CO349799	-1.042	0.029877066
	LOC100331830	CO349851	-1.347	0.018572174
	zgc:56388	CO349862	-1.117	0.025884022
	zgc:56699	CO349866	-1.304	0.032214961
	ctssb.1	CO349869	-1.155	0.013426887
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	LOC100331917	CO349911	-1.608	7.99033E-05
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sinup	CO350225	-1.541	0.007775821
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midlip1	CO350377	-1.259	0.002490988
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exosc5	CO350582	-1.099	0.002546619
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LOC100334248	CO352742	1.3	0.000953499
cdc25	CO352749	-1.094	0.002471825
fam65a	CO352776	1.178	0.001739962
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krt8	CO353051	1.493	0.007215326
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NA	CO353541	1.53	0.012562153
foxo3a	CO353645	1.028	0.008428862
NA	CO353646	1.188	0.002038716
acta2	CO353886	1.987	0.015419084
abca1a	CO353918	1.261	0.006030172
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hbaa1	CO354643	3.449	0.001138593
lpl	CO354672	2.076	0.003485418
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atf4b1	CO355031	-1.201	0.009195541
sparc	CO355062	2.445	0.004586127
scp2a	CO355087	2.927	0.000308528
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hsd11b2	CO356253	1.252	0.000309079
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arpc1b	EV562855	1.531	0.00239523
dhrr9	EV562872	1.842	0.034496457
cebpd	EV563016	1.879	0.002805133
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calua	EV563240	1.188	0.010424413
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dpp7	EV563341	1.163	0.002551444
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tm7sf2	EV564219	1.235	0.034496457
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ces2	CO354240	3.31	0.003925692
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tbeta-a	EV555485	1.276	0.016582791
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gmnn	EV555666	-1.295	0.001138593
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LOC100535213	EV558133	-1.324	0.000171492
hbbe2	EV558198	2.701	0.004056669
LOC100006925	EV558235	2.271	0.034496457
cyc1	EV558255	-1.397	0.007975572
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wu:fi42e03	EV558866	-1.352	0.00068158
ctbp1	EV559237	-1.216	0.015367849
fabp3	EV559759	2.034	0.005814653
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lamp2	EV560047	-1.333	0.000820112
prtfdc1	EV560150	-1.447	0.000704515
stau2	EV560230	-1.518	0.007990974
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acaa2	EV560564	1.112	0.002838441
pdccl1	EV560657	1.651	0.01062382
nsa2	EV560860	1.107	0.000832309
NA	EV561415	-1.195	0.000272561
nsa2	EV603076	1.047	0.002490988
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fbxo22	EV603344	-1.233	0.008770569
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zgc:101768	EV604939	-1.027	0.003652899
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NA	EV606109	-1.234	0.014377691

*Gene symbol information for these EST sequences were obtained based on sequence similarity to other vertebrates.

†The q-value represents the false discovery rate corrected p-value derived from the linear fit to a group means parameterization. Fold change values between the high and control female groups (H vs. CF) have been log₂ transformed. Supplementary Figure 3 provides the key to the different sections.