SUPPLEMENTAL MATERIAL

SUPPLEMENTAL METHODS:

Fly stocks: To study long-term effects of hypoxia, we used three *Drosophila* populations, selected over more than 250 generations for survival at 4% O_2 ('hypoxia selected,' HS), a level that is normally developmentally lethal. Three distinct and genetically isolated populations, maintained in parallel with HS flies but under normoxia for over 250 generations, were used as the appropriate outbred, unselected control populations for HS ('normoxia controls', NC; see [1,2]). 3-week-old, male HS and NC flies were used for cardiac function studies. 3-week-old, female w^{1118} flies were used as the appropriate wildtype background for cardiac function assessments in response to genetic manipulations and chronic hypoxia exposure (CH). Within genotypes, there were no differences observed in baseline heart parameters between male and female flies, except in diameters (see also [3]).

Specific knockdown of genes was achieved using the Gal4 system, which allows tissue-specific expression of Gal4 and induction or knockout of genes by binding an upstream activation sequence (UAS) of the gene of interest [4,5]. We used two cardiac-specific drivers, TinCΔ4-Gal4, Hand4.2-Gal4 and SNS-Gal4, to modulate gene expression in myocardial cells only ('TinC'), myocardial and pericardial cells ('Hand4.2') or in pericardial cells ('SNS') [17,50]. See also Figure 4A for illustration of cellular arrangements.

UAS-RNAi lines were used for knockdown gene expression: v109858 ('CanA14F-RNAi KK') and v103144 ('PP2B-RNAi KK') from the Vienna Drosophila Resource Center (http://stockcenter.vdrc.at/control/main). v60100 (*y,w[1118];P{attP,y[+],w[3`]*, 'KK control') were crossed to Gal4 drivers as appropriate UAS-RNAi control lines, and used for the control comparisons within each experiment. #22025 ('UAS-Pp2B') was obtained from Bloomington

qPCR validation of cardiac gene expression: Total RNAi was isolated from 15 fly hearts per sample in quadruplicate with a Qiagen RNeasy Isolation kit as per manufacturer's protocol. Total RNA (15-30 ng) was quantified and checked for purity using a Nanodrop® spectrophotometry. RNA was subsequently reverse-transcribed using a QuantiTect® Reverse Transcription Kit as per manufacturer's protocol. Primers were designed using Perl Primer® software and provided by IDT®. Annealing temperature of the primers was optimized and primer efficiency determined. The qPCR experiments were carried out using the Roche® FastStart Essential DNA Green Master ® kit with a Roche® LightCycler® 96. Housing keeping gene RPL-32 was used as a control. Primer sequences:

CanA14f: F-GCTGATCACCATCTTCTCGG R-GCACGTTCACCAACATCTC.
Pp2B-14D: F-GCTGATCACCATCTTCTCGG R-GCACGTTCACCAACATCTC.
CanB: F-CAAGCTGGATCTGGACAACT R-CACCATCATCTTGAGCACCT.
CanB2: F-GTGTTCCAATTTCGACGCC R- TGTAACCATCGTTGTCCATGT.

Heart function analysis experiments: Semi-intact hearts were dissected and equilibrated under normoxia conditions as previously described [3,6]. Exposed hearts were perfused with artificial hemolymph bubbled with room air and filmed under 21% O_2. Dissolved O_2 content was monitored and recorded using a Qubit Systems OX1LP polarographic oxygen probe, calibrated and corrected for mean barometric pressure (758 mm Hg), salinity (8.2‰) and perfusate temperatures (21-22°C). The O_2 content was monitored at several timepoints during experimental sessions. To ensure that all genotypes received equivalent treatments, each experiment dish contained small numbers of both control and experimental heart preparations. HS or CH exposed flies were transported using a humidified chamber (Modular Incubator Chamber, MIC 101, Billups-Rothenberg) filled with calibrated 4% O_2 and kept at room temperature.

Heart function assays for hypoxia-selected (HS) fly populations: Heart function in HS and NC flies was analyzed using 3-week-old males. HS flies were removed from the 4% O_2 hypoxia chamber, briefly dissected under reduced oxygen conditions (hemolymph under stream of 4% O_2 duration <15 minutes), then returned to their 'native' 4% O_2 to equilibrate for 30 minutes prior to filming under 4% O_2 conditions (as in [3]). To control for possible long-lasting effects of relatively elevated O_2 exposure during dissection of HS flies, we monitored heart function in both populations under their 'relative normoxia' condition (4% for HS or 21% O_2 for CH) at two timepoints (60 and 90 minutes) after dissection. Flies exhibited similar cardiac parameters at these timepoints, thus we used the average of the two measures as our values for baseline cardiac response at 'relative' normoxia for HS and CH, with appropriately timepoint-matched controls.

Heart function assays for chronic hypoxia (CH)-exposed flies: As previously described, we chose 3 weeks as the exposure period for the chronic hypoxia challenge, as this is the median age for w^{1118} adult flies and heart function is only moderately affected by aging [19]. At 4% O_2 adult flies can live a near normal lifespan [20], although they cannot reproduce (except HS flies [1,2]). Two- to three-day old adult flies were placed in sealed, humidified chambers at room temperature for 3 weeks under 4% O_2 with daily gas exchanges (as in [20]). Food (equilibrated for 24 hours at 4% O_2) was changed two times per week under hypoxic conditions. After 3 weeks,

HS or CH flies were removed from the chamber, dissected under normoxic conditions and equilibrated for 30 minutes in artificial hemolymph at 21% O_2 (NC and CH flies, and in all gene knockdown experiments), or at 4% O_2 (HS flies) prior to filming.

Statistical analysis: All statistical analyses were performed using Prism Statistical Software (Graph Pad, Inc). Data sets were first tested for normal (Gaussian) distributions using the D'Agostino and Pearson omnibus normality test. For data sets that passed this test, we used t-test, 1- or 2-way ANOVA, as appropriate. Most of the studies used two or more genotypes and two experimental conditions (normoxia vs. hypoxia), where significance was determined using a 2-way ANOVA followed by multiple comparisons post hoc tests, as appropriate (specific tests indicated in figure legends). Data sets that did not show a normal distribution (heart period and diastolic interval) were analyzed for significance using a nonparametric two-tailed t-test, or Kruskal–Wallis test followed by Dunn multiple comparisons post hoc tests, as appropriate (specific tests indicated in figure legends). We excluded hearts that did not beat after exposure to hypoxia (N<1% of total dataset, controls and experimental groups) or if cardiac parameters were outlier and fell outside 2 standard deviations of the population. In all cases, $p<0.05$ was taken as significant. In Supplemental Figures 3 and 4, a t-test was performed.

Supplemental References:

1. Zhou D, Xue J, Chen J, Morcillo P, Lambert JD, White KP, et al. Experimental selection for Drosophila survival in extremely low O(2) environment. *PloS One*. 2007;2:e490.

2. Zhou D, Udpa N, Gersten M, Visk DW, Bashir A, Xue J, et al. Experimental selection of hypoxia-tolerant Drosophila melanogaster. *Proc Natl Acad Sci U S A*. 2011;108:2349–2354.

3. Zarndt R, Piloto S, Powell FL, Haddad GG, Bodmer R, Ocorr K. Cardiac responses to hypoxia and reoxygenation in Drosophila. *Am J Physiol - Regul Integr Comp Physiol*. 2015;309:R1347–R1357.

4. Duffy JB. GAL4 system in Drosophila: a fly geneticist's Swiss army knife. *Genes N Y N 2000*. 2002;34:1–15.

5. Vogler G, Bodmer R, Akasaka T. Drosophila Model of Congenital Heart Diseases. In: Rao PS, editor. Congenital Heart Disease - Selected Aspects. 2012. p. 1–18.

6. Ocorr K, Vogler G, Bodmer R. Methods to assess Drosophila heart development, function and aging. *Methods*. 2014;68:265–272.

7. Lee S, Bao H, Ishikawa Z, Wang W, Lim H-Y. Cardiomyocyte Regulation of Systemic Lipid Metabolism by the Apolipoprotein B-Containing Lipoproteins in Drosophila. *PLOS Genet*. 2017;13:e1006555.

Supplemental Figure 1: Cardiac-specific genes differentially expressed in hypoxia-selected and chronic hypoxia exposed fly populations.

Supplemental Figure 2: Hypoxia-dependent shift toward glycolysis and triglyceride storage in hypoxia-selected (HS) fly hearts, and towards anaerobic glucose oxidation in chronic hypoxia (CH) exposed fly hearts.

Supplemental Figure 3: Differential expression in Drosophila Calcineurin gene network

Supplemental Figure 4: Effect of pericardial-specific knockdown of Calcineurin A on heart function.

Supplemental Table 1 – Total of 449 upregulated genes and 622 downregulated genes in hearts from hypoxia-selected flies compared to normoxia controls.

Supplemental Table 2 – Total of 267 upregulated and 396 downregulated genes in chronic hypoxia hearts compared to w^{1118} controls.

Supplemental Table 3 – Venn Analysis Between CH and HS Flies

SUPPLEMENTAL FIGURE 1: Cardiac-specific genes differentially expressed in hypoxia-selected and chronic hypoxia exposed fly populations.

Supplemental Figure 1A: Differentially expressed genes in the heart of *Drosophila* exposed to <u>chronic</u> hypoxia (during adulthood) - or - <u>selected</u> for hypoxia tolerance over many generations (>250).
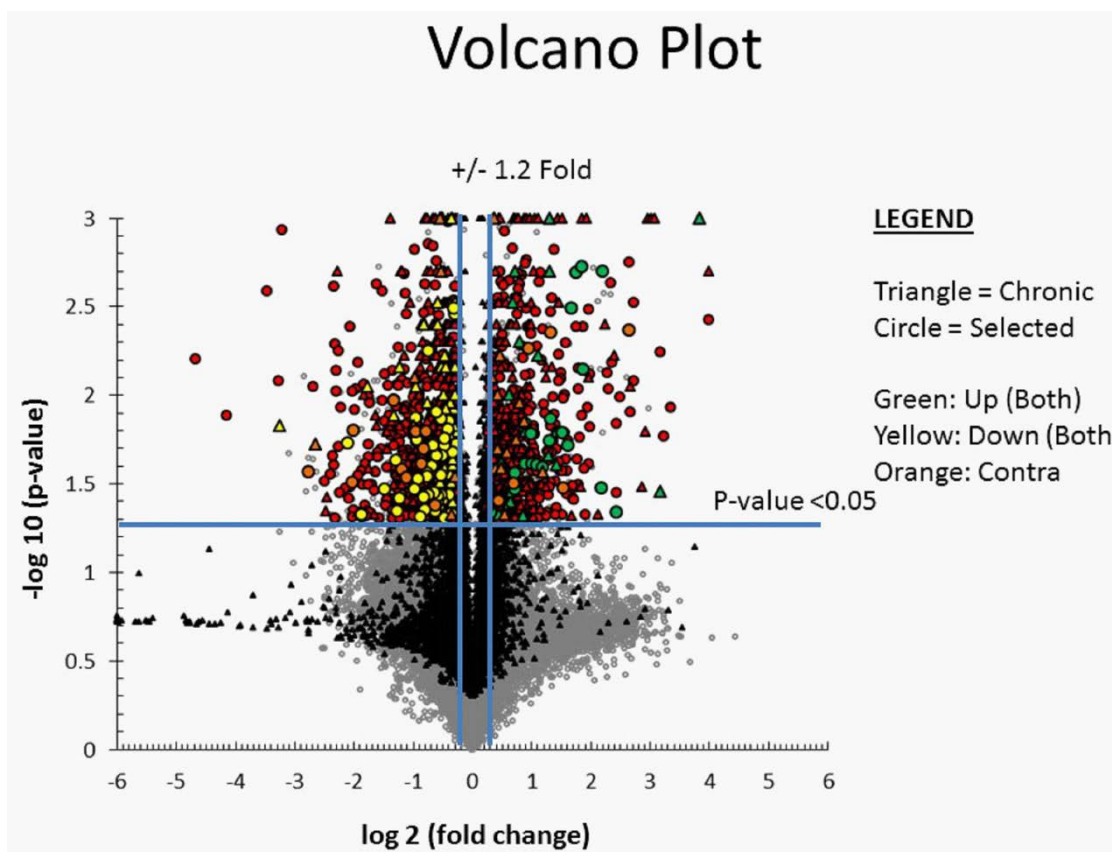
Supplemental Figure 1B: Differentially expressed genes in *w*[1118] *Drosophila* exposed to chronic hypoxia (CH) compared to their normoxia-raised controls by cardiac-specific RNAseq.

ncRNA Processing

Chronic

Nsun2
snoRNA:Or-CD2
CG9799
CG33260
Aats-phe-m
CG11837
CG6724
CG10341
CG8064

ECM

Chronic

LanA
vkg
Cg25C
Ppn
shf
CG4096
Ppn

Tracheal Branching

Chronic

bnl
sty
noc
tkv
form3
pnt

Ribosomal

Chronic

mRpS18A
mRpL44
mRpS18B
mRpS24
mRpS14
bonsai
mRpL23
mRpL42
mRpL17
mRpL35
mRpL18
mRpL22
mRpL32
mRpL52
mRpL4
mRpL50
mRpS5

Sarcomeric

Chronic

Mlc1
Tm1
Mlc2
wupA

Mitochondrial

Chronic

CG14757
mRpS24
bonsai
mRpL23
CG12895
mRpL35
Sod2
ATPsynO
CG7506
mRpL22
CG4679
mRpL32
mRpL52
porin
CG9791
CG3107
Ccdc56
cn
Aats-phe-m
Tim10

Proteosomal

Chronic

Rpt3R
Prosalpha6
Prosalpha5
Rpn10
Prosalpha4
Prosalpha7
Prosbeta5
Prosalpha3
Pomp
Rpt2
Prosbeta1
Rpn12
Prosbeta6
Rpn3
Prosbeta3
Rpt6
Rpn1
Rpt4
TER94
PI31
Prosbeta4
Rpn5
Rpt5
Rpt1
Prosbeta7
Elp2
Rpt6R

Ub-Mediated Proteolysis

Chronic

Usp5
Prosalpha6
Prosalpha5
Rpn10
Prosalpha4
Prosalpha7
Prosalpha3
Rpt2
Prosbeta6
Rpt6
Prosbeta7
Usp20-33

Voltage Gated Ion Channels

Chronic

Ktl
Ca-alpha1D
CG8713
porin
CG10864
CG9194

6

Supplemental Figure 1C: Differentially expressed genes in the heart of hypoxia-selected (HS) fly populations (>250 generations) compared to their control populations (NC) by microarrays.
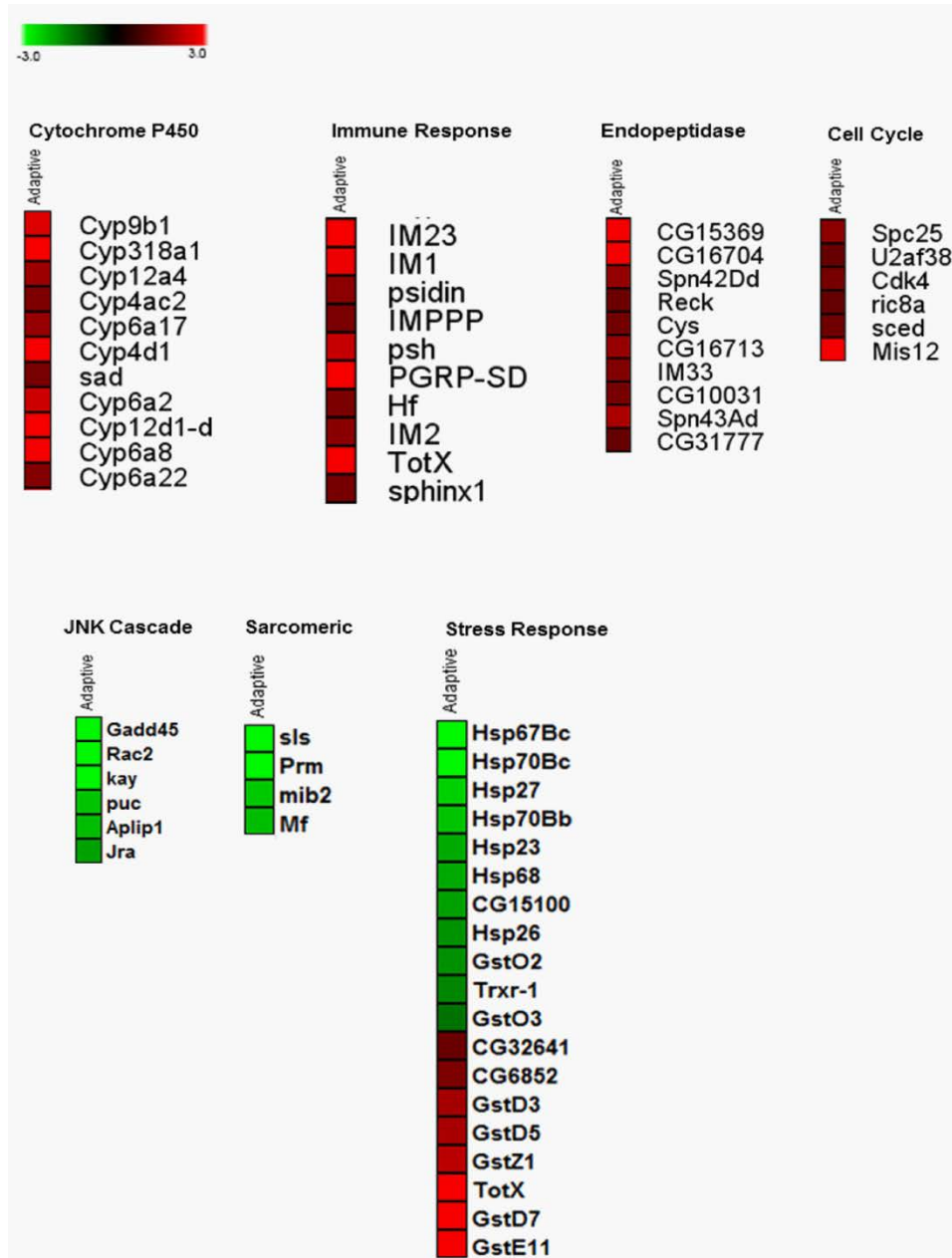
**Supplemental Figure 1: Differentially expressed genes in the heart of hypoxia-selected and chronic hypoxia-exposed *Drosophila*.** Cardiac-specific transcriptome analysis (from myocardial and pericardial cells) for differential gene expression in hypoxia-selected flies (HS) compared to chronic hypoxia-exposed w^{1118} flies (CH). **A**) Volcano plot for relative log2 fold-change expression from HS vs. CH flies between genes found >1.2 fold up-regulated (red) or >1.2 fold down-regulated (green) in both populations or contra-regulated between the populations (orange). Transcriptome changes in the hearts of HS flies are open circles, and in the hearts of CH-exposed hearts are triangle points. **B**) Differentially expressed genes in the hearts of CH flies that are not found differentially expressed in the hearts of HS flies. Gene families are grouped by KEGG and DAVID ontologies by biological processes: non-coding RNA processing, extra-cellular matrix (ECM), tracheal branching (up-regulated); ribosomal function, sarcomeric function, mitochondrial function, proteosomal function, ubiquitin-mediated proteolysis and voltage-gated ion channels (mainly down-regulated). **C**) Differentially expressed genes in the hearts of HS flies compared to the hearts of NC flies. Gene families are grouped by KEGG and DAVID ontologies by biological processes: Cytochrome P450, immune response, endopeptidase function, cell cycle, JNK sarcomeric function, and the stress response.

Supplemental Figure 2: **Hypoxia-dependent shift toward glycolysis and triglyceride storage in hypoxia-selected (HS) fly hearts, and towards anaerobic glucose oxidation in chronic hypoxia (CH) exposed fly hearts.**
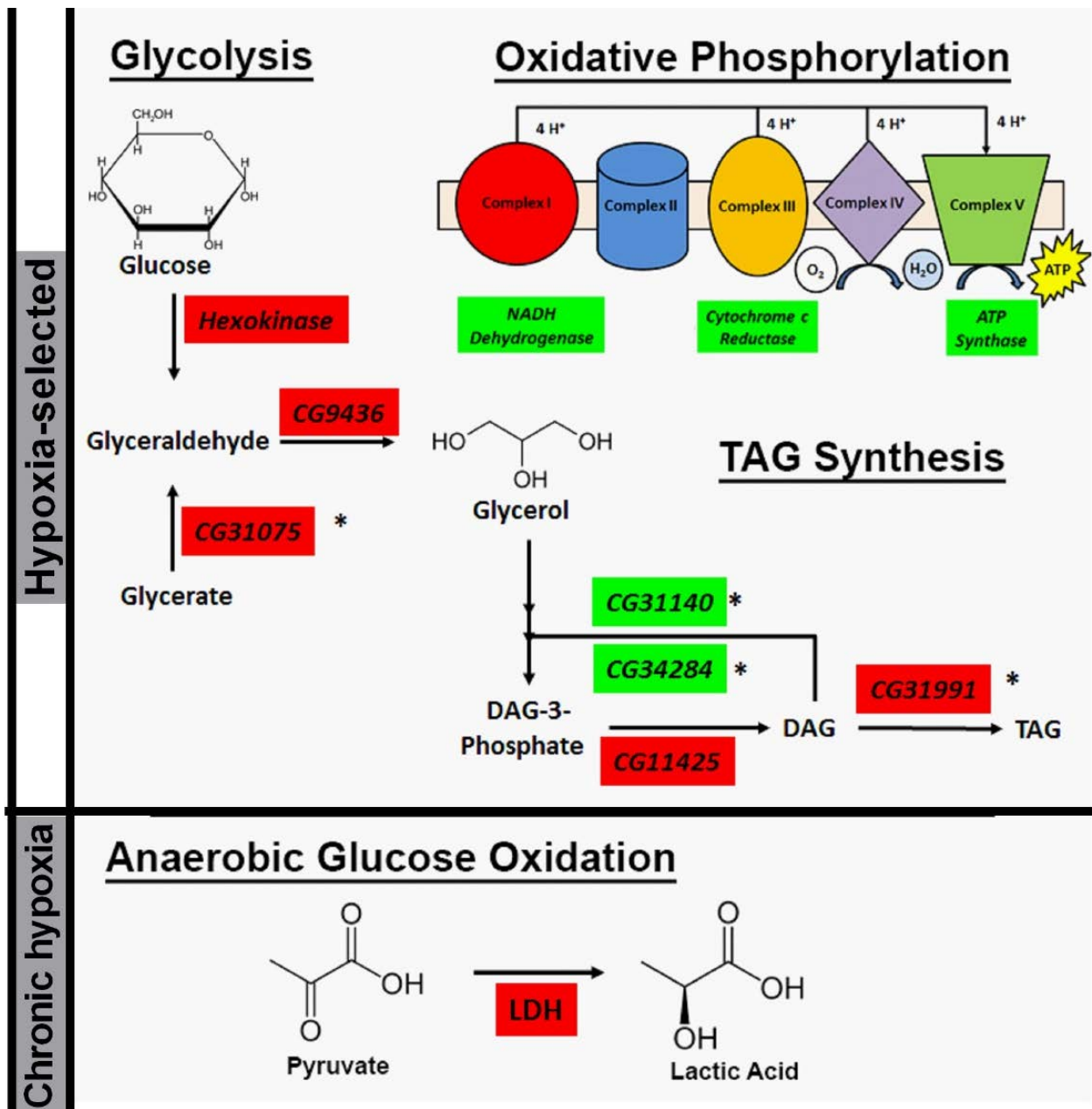
Supplemental Figure 2: Pathway analysis suggests a shift toward glycolysis and triglyceride storage in HS fly hearts, and towards anaerobic glucose oxidation in CH-exposed flies. (top) Cardiac microarrays of HS flies suggest a shift towards elevated expression of genes involved in glycolysis and triglyceride synthesis and decreased expression of genes involved in fatty acid oxidation. (bottom) Hearts from CH exposed flies showed increased expression of lactate dehydrogenase, suggesting a shift toward anaerobic metabolism.
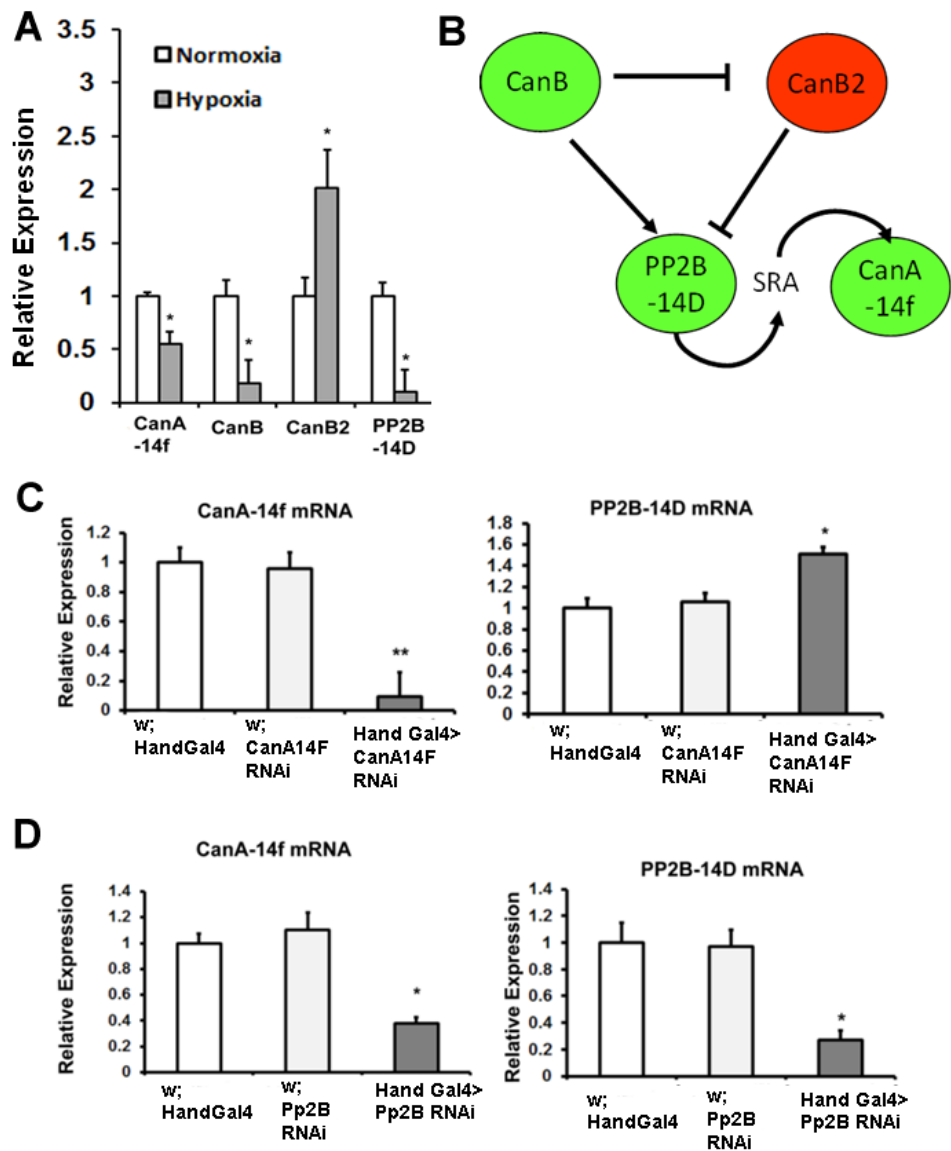
Supplemental Figure 3: Calcineurin Network Genes. A) Chronic Hypoxia (CH) induces differential expression of calcineurin network genes (qPCR relative expression). White bars: Normoxia grey bars: chronic hypoxia. These results validated those observed in the RNA seq experiment (Figure 2B). B) Putative Calcineurin network adapted from ExPasy as listed at www.flybase.org. Green: downregulation, Red: upregulation of expression. C) CanA14F and D) Pp2B heart-specific knockdowns. Expression of CanA14F and Pp2B was measured in the hearts of each KD line. (N=15 hearts/sample in quadruplicate). Data analysis: t-test *p<0.05.; **p<0.01.

Supplemental Figure 4: **Effect of pericardial-specific knockdown of Calcineurin A on heart function.**
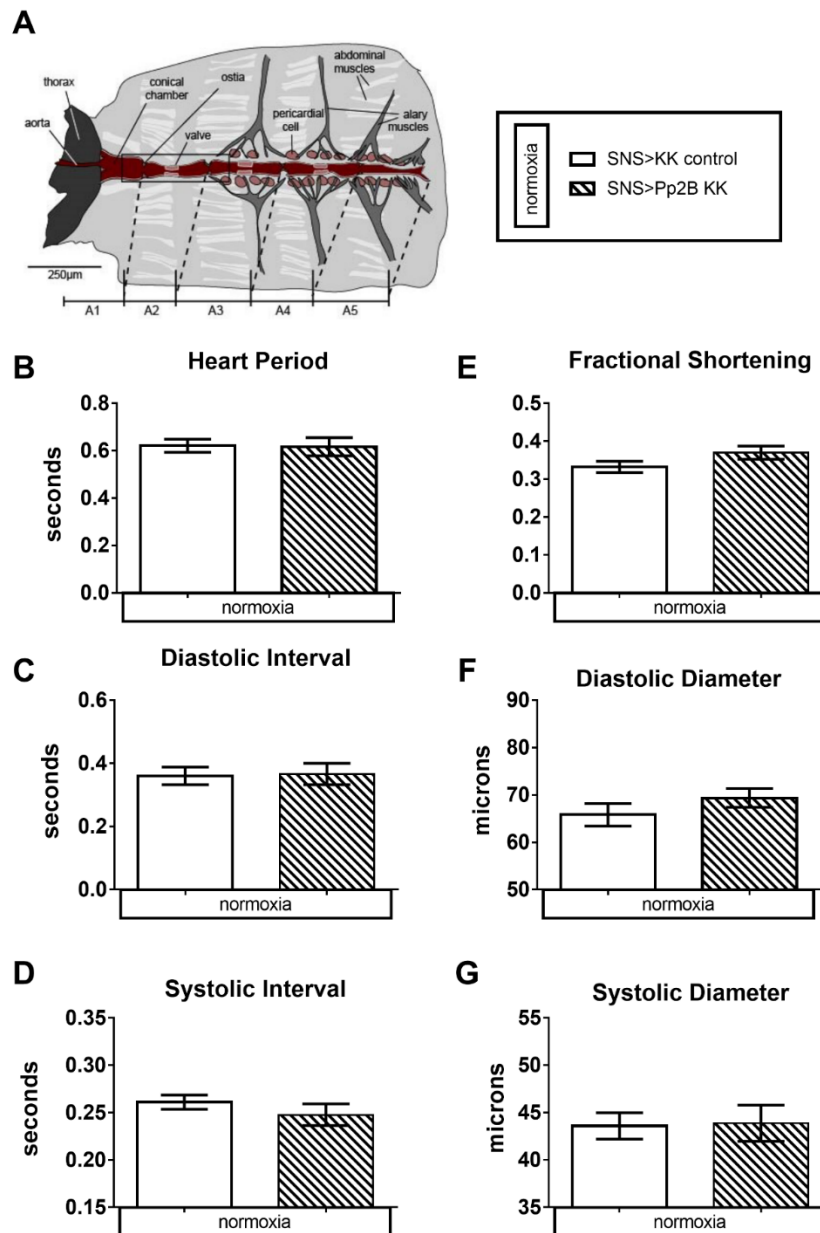
Supplemental Figure 4: Effect of pericardial-specific knockdown of Pp2B on heart function. Heart function data was assessed under normoxia using the pericardial-specific driver SNS-Gal4 [7] to knockdown expression of Pp2B (SNS>Pp2B-RNAi), compared to control (SNS>KK control). A) Diagram of *Drosophila* heart tube within dissected abdominal preparation (adapted from [5]), illustrating pericardial cells selectively expressed with SNS-Gal4 driver. No statistical significance was observed in B) heart period, C) diastolic interval D) systolic interval, E) fractional shortening, F) diastolic diameter or G) systolic diameter. Data analysis: t-test *$p < 0.05$. SNS>KK control N=24, SNS>Pp2B-RNAi N=19.

Supplemental Table 1. Differential Expression of Hypoxia Selected Transcriptome

Probesets	Symbol	Ensembl_id	fold-Selected_vs_Control	rawp-Selected_vs_Control
1626129_at	5-HT1B	FBgn0004572	2.026637884	0.054847829
1633746_s_at	a	FBgn0000008	-1.400672821	0.005282584
1639644_at	Aats-ala	FBgn0027094	-1.392431799	0.053040898
1624475_at	Aats-asn	FBgn0086443	-1.450013836	0.033248677
1631877_a_at	Aats-his	FBgn0027087	-1.315082523	0.017828071
1623460_at	Aats-leu	FBgn0027085	-1.511287705	0.005429414
1629702_a_at	ab	FBgn0000011|FBgn0259750	-1.690253928	0.02925617
1624840_at	Acp29AB	FBgn0015583	1.416123086	0.037994223
1631158_at	Acp53C14a	FBgn0034152	-1.590066019	0.013161608
1634882_at	Acp63F	FBgn0015585	1.902937704	0.027083011
1635252_a_at	Actn	FBgn0000667	-1.581304277	0.015208428
1640621_at	ACXB	FBgn0040509	1.449642007	0.020041781
1624636_at	ACXD	FBgn0040507	-4.247262667	0.006666609
1629194_s_at	ade2	FBgn0000052	1.425042553	0.048911771
1640599_at	ade5	FBgn0020513	1.797113673	0.022228295
1624054_at	Adgf-A	FBgn0036752	1.41837597	0.025387362
1634216_at	Adgf-C	FBgn0038173	2.024564585	0.044966522
1638877_at	AdoR	FBgn0039747	1.74084972	0.019684586
1639904_at	agt	FBgn0024912	1.443145405	0.037336256
1629222_at	Ahcy13	FBgn0014455	1.603693383	0.041889671
1626985_a_at	AIF	FBgn0031392	-1.260455338	0.032218644
1634293_at	Alg-2	FBgn0086378	1.86552712	0.002645649
1633505_at	ALiX	FBgn0086346	-1.373886984	0.017776974
1632299_at	alphaPS4	FBgn0034005	-2.541346923	0.047569561
1626349_at	alpha-Spec	FBgn0003470|FBgn0250789	-1.533354915	0.015869392
1630636_s_at	Amun	FBgn0030328	-1.310416111	0.038270097
1639374_s_at	Amy-d /// Amy-p	FBgn0000079|FBgn0000078	2.699343046	0.051725715
1636623_at	Ance-5	FBgn0035076	1.642987685	0.007335598
1634831_at	antdh	FBgn0026268	-4.134802251	0.005226484
1624759_s_at	Antp	FBgn0000095	1.751419889	0.00460594
1640208_s_at	Antp	FBgn0000095	1.806920877	0.002578861
1629678_a_at	Aplip1	FBgn0040281	-2.096374792	0.029098505
1639180_at	Arc1	FBgn0033926	-1.699336624	0.019655791
1639694_s_at	Arc1 /// CG10102	FBgn0033927|FBgn0033926	-2.785423448	0.029080645
1632639_at	Arc2	FBgn0033928	-1.843814264	0.046640866
1625600_a_at	Asph	FBgn0034075	-1.702455002	0.029060732
1634436_at	Ast-C	FBgn0032336	2.707638245	0.014189083
1627886_at	Atg1	FBgn0010715	-1.86152071	0.020915864
1641621_at	Atg5	FBgn0029943	1.411988495	0.047488954
1636499_at	Atg6	FBgn0010709	1.574675984	0.006999032
1625719_at	Atpalpha	FBgn0002921	-1.366024476	0.040691213
1640736_at	b	FBgn0000153	-2.806590019	0.04117407
1623466_at	bab1	FBgn0004870	1.920805802	0.001451572
1638565_at	bap	FBgn0004862	-1.846730486	0.033997989
1637926_s_at	Bet1	FBgn0036855	1.263074731	0.026624685
1636026_at	beta-Spec	FBgn0250788|FBgn0003471	-1.347641412	0.004706446
1636530_s_at	betaTub5D	FBgn0003887	-1.350768087	0.024982901
1625885_at	betaTub97EF	FBgn0003890	-1.347519982	0.038058402
1640139_at	B-H2	FBgn0004854	-1.239152144	0.051860328
1632734_s_at	bnb	FBgn0001090	-2.567008963	0.008987865
1628099_at	bor	FBgn0040237	-1.401386594	0.029668728
1636990_at	botv	FBgn0027535	2.192778366	0.022030834
1632943_a_at	bru-3	FBgn0036379	-1.469419848	0.003913484
1626397_at	bt	FBgn0005666	-1.419990883	0.039289238
1633396_at	btd	FBgn0000233	1.352157618	0.006050027
1630486_at	Bteb2	FBgn0025679	1.822000473	0.007813223
1631003_at	bun	FBgn0259176|FBgn0051857	-1.272029092	0.034863599
1624699_s_at	Bx	FBgn0000242	2.059686836	0.013218199
1635664_at	Bzd	FBgn0011566	-1.206995251	0.035533798
1627616_at	c12.1	FBgn0040235	1.580237789	0.007766846
1630042_at	Ca-alpha1T	FBgn0029846	-1.592807221	0.051135622
1641575_at	Cad87A	FBgn0037963	-2.375368165	0.00231026
1623418_at	Cad96Ca	FBgn0022800	-1.346404279	0.006538895
1628985_a_at	Caki	FBgn0013759	-1.292396128	0.02677751
1623931_s_at	CanA-14F	FBgn0030758	-9.167743414	0.000496572
1632170_a_at	Cap-H2	FBgn0037831	1.449868108	0.045197658
1637398_a_at	capu	FBgn0000256	-1.87671555	0.051662848
1641344_a_at	cas	FBgn0004878	5.589851667	0.016864104
1638204_s_at	cav	FBgn0026257	1.542652733	0.000534544
1625135_at	Cby	FBgn0067317	-1.585813743	0.038111756
1637339_at	Ccap	FBgn0039007	-1.861673403	0.024452303
1637165_at	Cchl	FBgn0038925	-1.403460377	0.010770091
1634782_s_at	Cctgamma	FBgn0015019	-1.301810991	0.023906415
1627835_a_at	Cda5	FBgn0051973	-2.363778741	0.011501488
1629473_at	cdi	FBgn0004876	-1.360619182	0.023821408
1639347_s_at	Cdk4	FBgn0016131	1.52020758	0.049653642
1625581_at	CG10011	FBgn0039590	-1.234303062	0.022915298
1625457_at	CG10031	FBgn0031563	1.251622935	0.003503573
1635439_at	CG10063	FBgn0035727	1.236355243	0.01911239
1624417_a_at	CG10186	FBgn0032797	-1.226026362	0.040177479
1628087_s_at	CG10200	FBgn0033968	-1.706696664	0.048710554
1630084_at	CG10205	FBgn0033970	-1.26179861	0.02880068
1640857_at	CG10208	FBgn0039118	1.725781718	0.016322009
1641360_at	CG10222	FBgn0036356	1.237102466	0.053447361
1639449_at	CG10249	FBgn0027596	-1.364184082	0.032391029
1633078_at	CG10268	FBgn0032811	-1.226866552	0.052408341
1636387_at	CG10300	FBgn0039107	-1.640169597	0.003557517
1638778_at	CG10352	FBgn0030348	1.834900288	0.052396149
1630814_s_at	CG10353	FBgn0030349	-1.222024605	0.023112338
1629857_at	CG10359	FBgn0035452	1.493290655	0.047334316
1639095_at	CG10426	FBgn0036273	-2.824502283	0.044366323
1623107_at	CG10459	FBgn0033440	2.058000501	0.022556513
1629726_at	CG10472	FBgn0035670	1.588026514	0.037043468
1638388_at	CG10559	FBgn0039323	-1.809130735	0.032957246
1636268_at	CG10570 /// CG42502	FBgn0260228|FBgn0040992	-1.320863759	0.005369837
1626086_at	CG10621	FBgn0032726	3.235312344	0.03391622
1624775_at	CG10628	FBgn0032818	-1.28892948	0.049938413
1626606_at	CG10630	FBgn0035608	2.192661843	0.052121359
1626801_at	CG10638	FBgn0036290	-1.457083276	0.011292064
1640492_at	CG10672	FBgn0035588	-1.248098388	0.050793124
1637638_s_at	CG10702	FBgn0032752	-1.234578295	0.037678622
1631999_at	CG10710	FBgn0036377	-2.45501187	0.005165617
1627677_s_at	CG10743	FBgn0036376	-1.345982824	0.04311286
1637367_at	CG10799	FBgn0033821	1.30274074	0.009763974
1631523_at	CG10824	FBgn0038865	1.747779679	0.04612704
1625369_at	CG10877	FBgn0038804	-1.301901229	0.021018894
1638302_a_at	CG1090	FBgn0037238	-1.9599973	0.025337771
1636182_a_at	CG10948	FBgn0036317	-1.235390093	0.039838751
1622908_a_at	CG10962	FBgn0030073	1.413720252	0.021659486
1639009_at	CG10962	FBgn0030073	1.742497597	0.002824921
1641011_at	CG10970	FBgn0030078	1.876349182	0.001702316
1640020_at	CG10990	FBgn0030520	1.356394337	0.01576025
1623146_at	CG10991	FBgn0037389	1.775257539	0.008615817
1636409_at	CG11034	FBgn0031741	4.239909095	0.015469341
1624812_at	CG11070	FBgn0028467	-1.348962273	0.03413136
1636950_at	CG11077	FBgn0039930	1.31572228	0.043390818
1631392_at	CG11089	FBgn0039241	2.155555935	0.042966297
1634667_at	CG11099	FBgn0034485	-2.027162394	0.045300821
1626167_at	CG11125	FBgn0031174	2.042210624	0.041295774
1641164_s_at	CG11163	FBgn0025693	1.297890196	0.041055531
1626013_at	CG11192	FBgn0034507	1.683275904	0.012100306
1635200_at	CG11261	FBgn0036332	-1.513641274	0.001816473
1628734_at	CG11286	FBgn0037516	-1.564151223	0.009438327
1634165_at	CG11378	FBgn0040364	1.281473223	0.004531626
1634197_at	CG11576	FBgn0039882	-1.522789647	0.004188709
1630221_at	CG11600	FBgn0038508	1.49028508	0.015443009
1626654_a_at	CG11791	FBgn0039266	-1.480281615	0.011563146
1637229_a_at	CG11796 /// DsecCG11796	FBgn0036992	1.707150204	0.037192882
1625828_at	CG11841	FBgn0039628	1.295970908	0.049250479
1631515_at	CG11877	FBgn0039636	1.330599749	0.026978917
1626082_at	CG11882	FBgn0039642	1.242507879	0.018087927
1627417_s_at	CG12038	FBgn0035179	-1.210117105	0.010750773
1637162_at	CG12054	FBgn0039831	-1.402586746	0.024072402
1626199_at	CG12104	FBgn0035238	1.533158303	0.025842108
1639971_at	CG12224	FBgn0037974	3.371847379	0.008526943
1629551_s_at	CG12268	FBgn0039131	-1.752470307	0.000928248
1629035_at	CG12290	FBgn0039419	-2.806058332	0.002579083
1641657_s_at	CG12424	FBgn0039487	1.326319484	0.004789411
1633366_at	CG12455	FBgn0028859	-1.477833086	0.041702126
1630649_at	CG12520	FBgn0036324	-2.129338039	0.015585131
1626856_at	CG12560	FBgn0031974	1.30454496	0.018623944
1628308_at	CG12714	FBgn0040862	1.318302696	0.014843974
1627891_at	CG12725	FBgn0030483	-4.035502513	0.051657315
1627826_s_at	CG12744	FBgn0033459	-1.549434391	0.040782336
1635030_at	CG12868	FBgn0033945	1.303976919	0.037172777
1632971_at	CG12895	FBgn0033523	-1.210347794	0.024072068
1625755_at	CG1291	FBgn0035401	1.207586611	0.004826889
1638988_at	CG12914	FBgn0033499	-1.238146191	0.043578575

1623016_at	CG1299	FBgn0035501	-1.444077663	0.03474457
1640741_at	CG13001	FBgn0030806	1.543016333	0.040095101
1630570_at	CG13003	FBgn0030798	2.820768626	0.025892326
1634939_at	CG13077	FBgn0032810	1.394141181	0.020912086
1630979_at	CG13144	FBgn0032260	-1.478000407	0.017034884
1639474_at	CG13159	FBgn0033721	1.618794666	0.046292277
1632953_at	CG13250	FBgn0037013	1.314235059	0.03634267
1628716_at	CG13283	FBgn0032613	1.757516621	0.049714235
1637490_at	CG13314	FBgn0035949	1.263086404	0.03893186
1641711_at	CG13360	FBgn0025620	1.259001498	0.003201386
1627271_at	CG13422 /// CG7655	FBgn0034511	2.448831204	0.013886205
1628533_at	CG13578	FBgn0035000	1.257694622	0.02729371
1640500_at	CG13678	FBgn0035859	1.790387249	0.003987707
1623728_at	CG13689	FBgn0031270	1.238503833	0.036038485
1629751_at	CG13693	FBgn0031235	1.389512038	0.009632197
1636910_at	CG13704	FBgn0035583	3.199925536	0.026632654
1630504_at	CG13830	FBgn0039054	-1.618319729	0.016959322
1637462_at	CG13833	FBgn0039040	-2.049769473	0.005298282
1626256_at	CG13836	FBgn0039060	-1.261921062	0.015258165
1634201_at	CG13841 /// CG4000	FBgn0040588	-1.962766201	0.044898427
1633887_at	CG13857 /// DmauCG13857	FBgn0038958	-2.48351765	0.050828232
1635194_at	CG13869	FBgn0034486	-2.09517149	0.02766043
1638975_at	CG13876	FBgn0035109	1.371961503	0.032883123
1629606_at	CG13890	FBgn0035169	1.265449557	0.03798392
1636193_at	CG13893	FBgn0035146	-1.425724273	0.041435622
1633656_at	CG13894	FBgn0035157	-1.673420484	0.038074862
1635239_at	CG13901	FBgn0035164	-1.975696945	0.046857625
1627984_at	CG13917	FBgn0035237	-1.406318464	0.050461792
1625905_at	CG13926	FBgn0035243	-1.212357346	0.042128639
1640768_at	CG13965	FBgn0028234	1.852919237	0.04041865
1626853_a_at	CG14017	FBgn0031721	-2.394799709	0.00380591
1634301_at	CG14017	FBgn0031721	-1.468505158	0.023940854
1623766_at	CG14054	FBgn0029596	-1.217443652	0.027922998
1629536_at	CG14079	FBgn0036849	4.094592841	0.03478933
1629553_at	CG14153	FBgn0036094	-6.9848784	0.026499899
1638800_a_at	CG14154	FBgn0036093	-1.295782279	0.049686418
1625177_at	CG14182	FBgn0036922	1.263134558	0.049187764
1625563_s_at	CG14253	FBgn0039467	1.402985404	0.042620245
1629727_at	CG14258	FBgn0039482	-3.538889381	0.040709032
1625604_at	CG14259	FBgn0039483	-1.831786886	0.051594551
1639733_s_at	CG14275	FBgn0032022	-1.238951747	0.045682558
1629810_at	CG14340	FBgn0031302	-1.920146872	0.036274259
1634960_at	CG14375	FBgn0038147	1.382917411	0.022421197
1633481_at	CG14394	FBgn0038079	-2.46517204	0.013142503
1628948_a_at	CG14408	FBgn0030581	-1.23751985	0.045367999
1624168_at	CG14411	FBgn0030582	-1.264324391	0.036482038
1629346_at	CG1443	FBgn0039620	3.155951425	0.027334587
1627293_at	CG14439	FBgn0029898	2.04377777	0.042867909
1640762_at	CG14464	FBgn0033000	1.271579503	0.034673974
1637894_at	CG14509	FBgn0039647	-2.036704483	0.023782051
1634302_s_at	CG14516	FBgn0039640	-1.324310728	0.024899342
1641454_at	CG1461	FBgn0030558	2.282516042	0.001968951
1632923_at	CG14661	FBgn0037288	-2.21582406	0.006606299
1636119_at	CG14668	FBgn0030157	1.236360956	0.052584467
1623916_at	CG14694	FBgn0037845	-1.569305973	0.012029944
1635764_at	CG14696 /// DanaGF16171 /	FBgn0037853	1.996135976	0.011865554
1632487_at	CG14721	FBgn0037942	-1.332071633	0.024158122
1633160_a_at	CG14736	FBgn0037986	1.505159803	0.013575633
1636357_at	CG14834	FBgn0035768	-1.31231131	0.05113515
1635898_at	CG14856	FBgn0038261	1.529510488	0.026980969
1634038_a_at	CG14856	FBgn0038261	1.641170355	0.003412293
1641358_s_at	CG14869	FBgn0038341	-1.20790054	0.000914136
1640720_a_at	CG14872	FBgn0038346	1.549309097	0.047951761
1623900_a_at	CG14935 /// DsecCG14935	FBgn0032382	1.725931252	0.054960017
1633980_at	CG14969	FBgn0035440	1.286155429	0.024558665
1636338_at	CG15021	FBgn0035544	-2.013836652	0.01036423
1634956_at	CG15022	FBgn0035547	1.30025988	0.049975656
1634952_s_at	CG15094	FBgn0034392	-1.271597131	0.014378861
1640629_s_at	CG1516	FBgn0027580	1.794590899	0.007418041
1637520_at	CG1518	FBgn0031149	1.394883854	0.003110077
1624363_at	CG15201	FBgn0030272	1.569637775	0.000957103
1632772_at	CG15203	FBgn0030261	1.198347784	0.037494523
1635688_at	CG15210	FBgn0040850	-1.478051631	0.000859837
1631522_x_at	CG15213	FBgn0040843	-1.2646969	0.014117178
1627724_at	CG15226	FBgn0034550	1.327156342	0.015368771
1635162_at	CG15314	FBgn0030172	-1.217151146	0.045991679
1628942_at	CG15385	FBgn0031397	1.360268705	0.004337012
1635897_at	CG15399	FBgn0031460	1.582086338	0.004934126
1624213_at	CG15535	FBgn0039764	-1.274404559	0.053002223
1630765_at	CG15547	FBgn0039809	-1.395789773	0.046826399
1631753_at	CG15550	FBgn0039811	-1.331743894	0.048399232
1628810_at	CG15597	FBgn0037420	1.672577816	0.017231913
1632498_at	CG15629	FBgn0031630	4.512770256	0.030313258
1632097_at	CG15646	FBgn0030665	1.347479508	0.00470109
1625873_at	CG15661	FBgn0034605	2.196885988	0.038088848
1637798_at	CG15717	FBgn0030451	1.499796401	0.015518843
1640950_at	CG15739	FBgn0030347	1.738791562	0.050629765
1641479_at	CG15870		1.599424989	0.004282016
1640430_s_at	CG15881	FBgn0036909	-1.195797694	0.045627964
1626581_s_at	CG1607	FBgn0039844	1.517104013	0.005596481
1640952_at	CG1632	FBgn0030027	1.46627767	0.017637409
1624617_at	CG1665	FBgn0033451	1.687807068	0.017526383
1635517_at	CG1667	FBgn0033453	1.872094593	0.000605968
1629083_at	CG16704	FBgn0031558	2.492254963	0.037467325
1628474_at	CG16712	FBgn0031561	1.232744087	0.024284183
1640734_a_at	CG16718	FBgn0038721	-1.459178792	0.026252036
1630088_at	CG16743	FBgn0032322	2.675116398	0.006289022
1631691_at	CG16772 /// DmauCG16772	FBgn0032835	1.879872739	0.00298311
1624256_at	CG16857	FBgn0028482	-1.467467277	0.002734995
1637911_at	CG16892	FBgn0030122	1.369668411	0.019907883
1626184_at	CG16978	FBgn0040972	-2.160859095	0.006058461
1629685_at	CG16986	FBgn0035356	1.237364029	0.022774552
1640669_at	CG17163	FBgn0039942	1.314798455	0.024566444
1628173_at	CG17189	FBgn0039485	-1.607880291	0.007391829
1623690_at	CG17190	FBgn0038761	2.670290437	0.029691806
1634933_s_at	CG17207	FBgn0038051	1.417800948	0.039021747
1640103_s_at	CG17224	FBgn0031489	1.578491691	0.040072251
1629791_at	CG17271	FBgn0038829	1.422343577	0.052650095
1627166_at	CG17287	FBgn0034202	1.492469725	0.009441898
1630299_at	CG17325 /// CG42305	FBgn0259201|FBgn0040993	-4.005905348	0.002751227
1634988_a_at	CG17352	FBgn0035880	2.505774634	0.042373863
1636610_at	CG17359	FBgn0036396	1.305126819	0.041481344
1636833_at	CG17364	FBgn0036391	1.374815796	0.012702872
1625320_at	CG1738	FBgn0030291	1.229391998	0.04306195
1628918_at	CG17478	|FBgn0032998	3.169228468	0.00026028
1630817_s_at	CG17528	FBgn0032999	1.281653847	0.039384252
1638171_s_at	CG1753	FBgn0031148	1.550050265	0.042115746
1630752_at	CG17618 /// CG6982	FBgn0040587|FBgn0039014	1.222271684	0.021673144
1628925_at	CG17625	FBgn0039002	1.229499942	0.006123812
1622948_at	CG17721	FBgn0037885	1.43646549	0.003167919
1625910_at	CG1773	FBgn0033439	1.877116685	0.018190511
1624488_a_at	CG17734	FBgn0037890	-1.368806327	0.009990764
1628712_at	CG17754	FBgn0030114	1.204831727	0.028689794
1625951_at	CG17778	FBgn0023534	-2.155869723	0.006383474
1638757_a_at	CG17780	FBgn0039197	1.31102785	0.037558406
1625262_at	CG17786	FBgn0039167	1.622662917	0.037020321
1634728_at	CG17821	FBgn0034383	-5.147368255	0.039787737
1640144_at	CG18067	FBgn0034512	1.695410938	0.002328607
1640796_a_at	CG1812	FBgn0031119	-1.333364451	0.004883384
1630422_at	CG18231	FBgn0036796	1.335524708	0.004396477
1632141_at	CG18265	FBgn0036725	3.863964037	0.021575074
1631549_s_at	CG18278 /// CG30059	FBgn0050059|FBgn0033836	1.352354454	0.023145491
1639778_at	CG18304	FBgn0031869	-1.737410105	0.035405803
1627460_at	CG18343	FBgn0033683	2.658922388	0.003602431
1636902_at	CG1840	FBgn0030351	1.281730841	0.049021885
1630590_at	CG18417	FBgn0035780	3.922032979	0.05080826
1624619_s_at	CG18477 /// CG31780	FBgn0028864|FBgn0051780	3.883883697	0.004956895
1625345_at	CG18508	FBgn0028746	-1.395231967	0.004059616
1638441_a_at	CG18519	FBgn0038348	-1.342747777	0.028270015
1634979_at	CG18600	FBgn0038601	1.471120069	0.048131028
1629030_a_at	CG18659	FBgn0027561	-1.48232487	0.034351997
1623883_at	CG18661	FBgn0040964	1.731743189	0.009449741
1635361_at	CG18806	FBgn0042129	1.765414151	0.031245842
1641240_a_at	CG1889	FBgn0030164	-1.322404311	0.022078273
1626181_at	CG1969	FBgn0039690	1.437654162	0.012308319
1637778_a_at	CG1969	FBgn0039690	1.558498392	0.016820909
1640714_at	CG1979	FBgn0026563	2.035283831	0.035721262
1627499_at	CG2016 /// DmauCG2016 ///	FBgn0250839|FBgn0037289	-1.76930365	0.040202585
1636676_at	CG2150	FBgn0003065	1.845548946	0.027389472

1629106_at	CG2233	FBgn0029990	1.233138632	0.011024309
1629104_at	CG2258	FBgn0029997	-1.307213692	0.037390752
1622943_s_at	CG2371	FBgn0030323	1.299241842	0.019654988
1626933_s_at	CG2469	FBgn0035205	-1.897445349	0.016041048
1629014_s_at	CG2604	FBgn0037298	1.26764285	0.0123629
1638856_at	CG2650	FBgn0000092	-1.460944798	0.046732837
1627593_at	CG2678	FBgn0014931	2.069422662	0.001743376
1634016_at	CG2781	FBgn0037534	-1.547598962	0.002727336
1639768_at	CG2813	FBgn0031268	1.255000843	0.053551569
1623552_s_at	CG2893	FBgn0040030	1.678283764	0.046176628
1628194_at	CG2918	FBgn0023529	1.220554459	0.018284388
1627277_s_at	CG2930	FBgn0028491	1.371555815	0.012394365
1640891_at	CG3003	FBgn0030144	2.185247468	0.001432002
1628232_at	CG30046	FBgn0050046	1.248091179	0.003788282
1628387_s_at	CG30080	FBgn0050080	2.78821794	0.002192422
1627759_at	CG30080	FBgn0050080	3.659631366	0.006766328
1636154_at	CG30090	FBgn0050090	3.356520995	0.051491326
1627820_at	CG30096	FBgn0050096	1.238884478	0.006669507
1637120_at	CG30098	FBgn0050098	3.09382873	0.046624493
1631764_a_at	CG30115	FBgn0050115	-1.801451736	0.053385575
1639615_s_at	CG30116	FBgn0028496	-1.461032564	0.000242348
1641326_at	CG30118	FBgn0050118	-1.366390642	0.010754153
1638124_at	CG30121	FBgn0050121	-8.349790499	0.02347797
1634789_at	CG30151	FBgn0050151	2.885764027	0.004501138
1629525_at	CG30152 /// DafsCG30152 /A	FBgn0034543	-1.282388447	0.0283105
1640357_at	CG30161	FBgn0050161	-1.349110327	0.015583639
1630613_at	CG30279	FBgn0050279	-1.789640735	0.033912103
1634192_at	CG30281	FBgn0050281	-1.674633046	0.022400967
1631135_at	CG30286	FBgn0050286	2.051709772	0.020371859
1635548_s_at	CG30287 /// CG34166	FBgn0008195	1.318685016	0.009810134
1636927_at	CG30379	FBgn0050379	1.524419534	0.03026454
1635524_at	CG30427	FBgn0043792	-2.577766642	0.005854466
1630985_at	CG30441	FBgn0050441	1.525522368	0.007323636
1629302_at	CG30447	FBgn0050447	1.550818661	0.027775615
1623508_at	CG30466	FBgn0050466	1.491227117	0.002968786
1635845_at	CG30480	FBgn0050480	1.320046118	0.010570556
1631455_at	CG30493 /// l(2)08492	FBgn0050493	-1.307473464	0.030951288
1638049_at	CG30494	FBgn0027604	1.349635662	0.001410018
1636217_at	CG30503 /// kappaB-Ras	FBgn0050503|FBgn0040513	1.744161139	0.040676993
1630123_at	CG3099	FBgn0030145	2.62914735	0.028381881
1633971_at	CG31036	FBgn0051036	-1.701357908	0.018799792
1624900_at	CG31051	FBgn0051051	1.909683208	0.016156307
1629742_at	CG31058	FBgn0051058	-1.21869744	0.005444838
1630434_a_at	CG31064	FBgn0051064	-1.622188719	0.006981738
1638583_at	CG31103	FBgn0051103	-1.624437233	0.006137732
1629786_a_at	CG31116	FBgn0051116	-1.33292752	0.005131736
1634447_at	CG31140	FBgn0051140	-1.597091165	0.027246247
1632257_at	CG31183	FBgn0051183	-1.326457391	0.031358372
1640666_at	CG31205	FBgn0051205	-2.76827065	0.049994738
1627572_at	CG31219	FBgn0051219	-2.915025155	0.038785517
1640854_at	CG31248 /// DsimGD19913	FBgn0051248	2.472222057	0.053714319
1624002_a_at	CG31291	FBgn0051291	-1.663313371	0.032227192
1626320_at	CG31344	FBgn0051344	-1.422450386	0.016015507
1630988_at	CG31347	FBgn0051347	-1.201096167	0.04608497
1623419_s_at	CG31358 /// CG42504 /// CC	FBgn0051358|FBgn0260230|FBgn0260231	-1.199397607	0.025319902
1633991_at	CG31445	FBgn0051445	1.287432386	0.012549513
1626476_at	CG31457	FBgn0051457	1.289487987	0.007808979
1627341_at	CG31556	FBgn0051556	1.531821649	0.015945402
1638230_at	CG3160	FBgn0029789	1.532405738	0.029007549
1625063_a_at	CG31606	FBgn0051606	2.684986808	0.002373636
1623765_at	CG31606	FBgn0051606	3.055422031	0.017464509
1628034_at	CG3162	FBgn0034834	-1.210870852	0.04737272
1624460_a_at	CG31624 /// CG31988 /// Ds	FBgn0051624|FBgn0051988	-1.921409466	0.037872568
1638139_at	CG31664	FBgn0051664	7.176771561	0.033630643
1630255_at	CG31676	FBgn0051676	1.337507208	0.024931537
1625339_at	CG31677	FBgn0051677	2.36829971	0.011042969
1629877_at	CG31683	FBgn0051683	1.437755477	0.024717413
1633252_at	CG31714	FBgn0032180	-1.3814452	0.047904838
1636682_at	CG31778	FBgn0051778	1.737219437	0.015025687
1631763_at	CG31793	FBgn0051793	-1.363196308	0.02638186
1630746_at	CG31807	FBgn0051807	1.311626238	0.029947802
1630244_s_at	CG31809 /// CG31810	FBgn0051809|FBgn0051810	-1.640961814	0.039613422
1629542_at	CG31821	FBgn0051821	-2.237206355	0.031529722
1640374_at	CG31823	FBgn0051823	-2.390493252	0.007152197
1625986_at	CG31826 /// Ku80	FBgn0051826	3.050209495	0.036434002
1638924_at	CG31845	FBgn0051845	1.664149448	0.010471911
1623743_at	CG3191	FBgn0023525	2.159880758	0.002718498
1638752_s_at	CG31961	FBgn0051961	-1.392998142	0.028630638
1625972_at	CG31999	FBgn0051999	-1.246231136	0.054695058
1634093_at	CG32017	FBgn0052017	1.882354474	0.016310323
1630485_at	CG32021	FBgn0052021	3.151218955	0.005597416
1633520_at	CG32027	FBgn0052027	1.775364187	0.019146792
1629205_at	CG32032	FBgn0052032	2.655251163	0.026801154
1639691_at	CG32038	FBgn0052038	-1.377644198	0.030232122
1635756_at	CG32039	FBgn0052039	-1.22045576	0.017009473
1623963_at	CG32115	FBgn0052115	2.33479357	0.019723219
1626143_a_at	CG32138	FBgn0052138	-1.561105819	0.047736891
1623740_at	CG32154	FBgn0052154	2.003434023	0.003630156
1626643_at	CG32160	FBgn0052160	1.429730604	0.004137268
1631825_at	CG32167	FBgn0052167	1.59629431	0.053287281
1638691_at	CG32202	FBgn0052202	-1.290733957	0.007312444
1635041_at	CG32225	FBgn0052225	-1.311956604	0.010832655
1640212_at	CG32228	FBgn0052228	2.531004373	0.042101527
1640961_at	CG32313	FBgn0052313	-2.520112841	0.04057644
1639696_at	CG32353	FBgn0052353	-1.201194688	0.027060165
1636566_at	CG32368	FBgn0052368	3.253847567	0.010880474
1635093_a_at	CG32369	FBgn0052369	-2.04638132	0.048973397
1628225_at	CG32391	FBgn0052391	2.249028069	0.000109719
1640789_a_at	CG32392	FBgn0052392	-1.200360985	0.021837343
1625323_at	CG32397	FBgn0052397	-1.773494677	0.035274311
1637155_at	CG32407	FBgn0052407	2.109262035	0.017571757
1629841_at	CG32418 /// Myt1	FBgn0052418	-1.547622205	0.022567275
1638365_at	CG3244	FBgn0031629	-2.541352795	0.017917493
1635285_at	CG32461	FBgn0052461	1.325201431	0.022078934
1628500_at	CG32483	FBgn0052483	25.62781069	0.001406096
1640125_s_at	CG32541 /// CG42506	FBgn0052541|FBgn0260232	-2.362435597	0.002290434
1639917_at	CG32541 /// CG42506	FBgn0052541|FBgn0260232	-1.887794423	0.043225156
1634329_at	CG32579	FBgn0052579	1.239112062	0.054800217
1630797_at	CG32582	FBgn0052582	1.516199926	0.03678967
1637313_at	CG32595	FBgn0052595	-1.556166758	0.051933889
1636030_s_at	CG32626	FBgn0052626	1.498506145	0.023103605
1630581_at	CG32639	FBgn0052639	2.09896775	0.035217002
1630842_s_at	CG32640 /// CG32641	FBgn0052641|FBgn0052640	1.388427328	0.022984706
1636772_s_at	CG32694	FBgn0052694	1.928396434	0.01158884
1641434_at	CG32695	FBgn0052695	3.25468593	0.008944958
1633824_at	CG32710	FBgn0052710	-1.269947039	0.030365497
1638597_s_at	CG32733 /// CG32797	FBgn0052733|FBgn0052797	1.371183512	0.054982784
1637625_s_at	CG32813	FBgn0052813	-1.207437349	0.0287751
1637507_at	CG32835	FBgn0052835	1.609110424	0.046491249
1632821_a_at	CG3287	FBgn0038878	-1.48426463	0.012303012
1628931_at	CG3301	FBgn0038878	1.467440153	0.012783192
1623000_at	CG33093	FBgn0053093	7.065010314	0.015303653
1634318_at	CG33110	FBgn0053110	-1.997450844	0.027748871
1626718_at	CG33127	FBgn0053127	-1.260266055	0.039384888
1634374_at	CG33138 /// DsecCG33138	FBgn0053138	-1.319698469	0.054391609
1636381_a_at	CG33156	FBgn0053156	1.197007064	0.036414189
1634514_at	CG33258	FBgn0053258	1.92107432	0.010001616
1624312_at	CG3326	FBgn0031519	-1.624120114	0.028038027
1639074_at	CG33275	FBgn0035802	-1.532481863	0.016026305
1629568_at	CG33276	FBgn0053276	1.236195284	0.007037303
1635178_at	CG33299	FBgn0053299	-1.64808616	0.043386449
1623813_at	CG33307	FBgn0053307	1.565995427	0.046036985
1635181_at	CG3337	FBgn0038871	-1.464581354	0.009637774
1632584_at	CG3344	FBgn0035154	2.389071448	0.001891288
1625360_at	CG33458	FBgn0053458	3.945423044	0.049352335
1639019_s_at	CG33470 /// IM10	FBgn0053835|FBgn0053470	1.582649369	0.009683598
1623345_at	CG33474	FBgn0053474	4.648005148	0.004005934
1629181_at	CG33494	FBgn0053494	1.281674576	0.011779397
1637958_at	CG33510	FBgn0053510	3.817809189	0.033459603
1638087_at	CG33523	FBgn0053523	-2.158606091	0.003380954
1624053_at	CG33967	FBgn0053967	-1.613512775	0.027450205
1632884_at	CG33967	FBgn0053967	-1.546589153	0.008627452
1632551_at	CG33986	FBgn0053986	-1.230059697	0.034678722
1628002_at	CG34007	FBgn0054007	-1.197614284	0.03647063
1632399_at	CG34007	FBgn0054007	-1.284971772	0.009748308
1624813_s_at	CG34008	FBgn0054008	1.315824123	0.047716554
1634018_at	CG34028	FBgn0054028	1.323402277	0.038205505
1639797_at	CG34109	FBgn0083945	1.843377653	0.0243953
1630404_at	CG34112	FBgn0086608	1.380837293	0.043131307

1632072_at	CG34134	FBgn0083970	1.277926622	0.025894422
1634179_at	CG34139	FBgn0083975	1.243915369	0.004421608
1637285_s_at	CG34179 /// slmo	FBgn0085208|FBgn0029161	-1.342172404	0.011181941
1639112_s_at	CG34188	FBgn0085217	1.516597588	0.030090935
1628171_at	CG34205	FBgn0085234	-1.223790552	0.016538724
1634519_at	CG34217	FBgn0085246	-3.655507386	0.015387376
1632600_at	CG34232	FBgn0085261	-1.738548523	0.040285689
1628992_at	CG34253	FBgn0085282	1.226836788	0.015986446
1633297_at	CG34261	FBgn0085290	1.362034582	0.021559056
1636386_s_at	CG34318 /// CG8179	FBgn0085347|FBgn0034020	-1.37446325	0.00630567
1633232_at	CG34325	FBgn0085354	2.856331318	0.011008393
1637838_at	CG34380	FBgn0085409	1.244562199	0.026406071
1627196_at	CG34384	FBgn0085413	1.421896709	0.019801526
1633994_at	CG34402	FBgn0085431	1.201790148	0.003596181
1623896_a_at	CG34404	FBgn0085433	-1.316316727	0.039157301
1633516_at	CG34409	FBgn0085438	-1.555469385	0.009449332
1640379_s_at	CG34424	FBgn0085453	2.100859964	0.038400197
1635160_at	CG34434	FBgn0250904|FBgn0085463	2.14590816	0.004990285
1626896_at	CG34437	FBgn0085466|FBgn0085465	1.391664708	0.036534351
1640048_s_at	CG34449	FBgn0085478	-1.294853009	0.029479415
1626220_at	CG3448	FBgn0035996	1.284697176	0.037257879
1625459_at	CG3520	FBgn0034859	-1.356055915	0.023812892
1624029_at	CG3608	FBgn0035039	-1.628187295	0.047041541
1640207_at	CG3635	FBgn0032981	-3.202410682	0.000920537
1636769_at	CG3651	FBgn0032974	1.203411459	0.027002443
1630343_at	CG3679	FBgn0027521	1.875423826	0.045321844
1638086_at	CG3746	FBgn0034755	-1.430926927	0.051144207
1625245_at	CG3759	FBgn0032116	-1.614372309	0.037527446
1627872_at	CG3770	FBgn0035085	1.664020646	0.019994654
1640399_at	CG3775	FBgn0034425	1.269501119	0.025040411
1626729_at	CG3803	FBgn0034938	-1.345205578	0.046634478
1627311_at	CG3829	FBgn0035091	1.19930339	0.022469857
1628581_at	CG3884	FBgn0033786	-4.886709466	0.043252738
1624695_at	CG3999 /// DsecCG3999	FBgn0037801	1.709785092	0.035659445
1622974_at	CG4000	FBgn0038820	-2.314263814	0.025814052
1634527_s_at	CG40005 /// cta	FBgn0058005|FBgn0000384	1.287358024	0.018726939
1637651_at	CG4004	FBgn0030418	1.89580424	0.036832188
1641245_a_at	CG40115		3.62618283	0.017252212
1636647_s_at	CG40160	FBgn0058160	1.508615339	0.022606098
1629023_s_at	CG40191	FBgn0058191	1.219248051	0.016721018
1627167_a_at	CG40485	FBgn0069973	-5.610359946	0.051542113
1634671_a_at	CG41284 /// CG42598	FBgn0085599	1.270487047	0.0532616
1631001_s_at	CG42257	FBgn0259142|FBgn0034685	1.47023829	0.031259968
1625296_at	CG42368	FBgn0259714|FBgn0031809	1.439427374	0.011333937
1623741_at	CG42368 /// scu	FBgn0031807|FBgn0259714	1.378137656	0.051398213
1639307_at	CG42375 /// CG9288	FBgn0038182|FBgn0259721	-1.467575779	0.012472771
1637594_at	CG42388	FBgn0259734|FBgn0030075	-1.41558659	0.049323963
1623339_at	CG42445 /// CG7498	FBgn0040833|FBgn0259916	1.645747873	0.000940768
1634512_at	CG42510 /// CG5226	FBgn0034355|FBgn0260236	-2.630742422	0.003663972
1634804_at	CG42533	FBgn0031919	-1.451379703	0.0276259
1639107_at	CG42535		1.248427175	0.040405431
1628265_a_at	CG42540	FBgn0052245	1.251372814	0.038133017
1624967_at	CG42593	FBgn0029983	1.502048781	0.04557501
1631432_at	CG42749	FBgn0029749	1.354714022	0.039010261
1628123_at	CG4332	FBgn0030456	1.37694729	0.023642631
1638038_at	CG4335	FBgn0038795	2.386630129	0.02596922
1632975_at	CG4398	FBgn0034126	1.309120895	0.002587847
1640896_at	CG4462	FBgn0038752	-2.254514309	0.023731266
1632710_s_at	CG4572 /// DpseGA18267	FBgn0038738	-1.196835605	0.050110771
1640002_at	CG4586	FBgn0029924	1.300108175	0.006643731
1623109_at	CG4593	FBgn0029929	1.202237284	0.052339436
1627151_at	CG4612	FBgn0035016	-1.203778538	0.01176166
1637294_at	CG4641	FBgn0035967	-1.758182707	0.005006689
1626738_at	CG4644 /// mtRNApol	FBgn0031300	-1.737115081	0.024006356
1634243_a_at	CG4673	FBgn0039348	-1.24701314	0.044697241
1633088_at	CG4733	FBgn0038744	-1.350772768	0.011245233
1638021_at	CG4757	FBgn0027584	20.93737008	0.010228751
1631021_at	CG4771	FBgn0039018	1.324872322	0.048530891
1637794_at	CG4927	FBgn0034139	1.263392868	0.013216931
1633375_at	CG5026	FBgn0035945	1.242733257	0.012238718
1635613_at	CG5079	FBgn0039346	-1.415844999	0.000874768
1629489_at	CG5111	FBgn0039343	1.498085536	0.011500949
1629778_s_at	CG5130	FBgn0037000	1.212141677	0.050690633
1624800_at	CG5224	FBgn0034354	2.134771516	0.03268396
1627884_at	CG5281	FBgn0037902	-1.487897352	0.046841739
1631532_at	CG5282	FBgn0036986	-1.346136772	0.012517147
1638344_at	CG5287 /// l(2)k10105	FBgn0032477	1.238307832	0.022100042
1641681_s_at	CG5288 /// DsecCG5288	FBgn0035950	1.255778195	0.054149144
1630551_at	CG5290	FBgn0036772	-1.61719091	0.024131473
1631627_at	CG5335 /// Fbp1	FBgn0034365	1.313828227	0.007342835
1631050_at	CG5384	FBgn0032216	-1.305303237	0.036158489
1641334_at	CG5446	FBgn0032429	-1.257104864	0.037767135
1632206_at	CG5491	FBgn0034459	1.620276466	0.051178381
1629201_at	CG5550	FBgn0034160	1.210326821	0.046871363
1640713_at	CG5569	FBgn0034919	-1.280184429	0.016297938
1627245_s_at	CG5746	FBgn0039186	1.296316799	0.018723993
1641236_s_at	CG5758	FBgn0032666	-1.655197456	0.02817544
1638238_at	CG5778	FBgn0038930	1.279989226	0.000402678
1623201_at	CG5783	FBgn0032670	1.308310523	0.009761191
1631227_at	CG5793	FBgn0038863|FBgn0250820	1.300271897	0.017799112
1625250_at	CG5802	FBgn0020675	1.320201675	0.011624411
1628398_at	CG5853	FBgn0032167	1.508169243	0.033403614
1636489_at	CG5987	FBgn0039501	-1.198296562	0.007322813
1629153_s_at	CG5991	FBgn0026576	2.040232169	0.046528266
1628645_at	CG6018	FBgn0034736	-1.416651603	0.048687629
1633506_s_at	CG6091	FBgn0036180	-1.245197858	0.021641327
1632333_at	CG6108	FBgn0032498	-1.506838709	0.018017088
1631794_at	CG6201	FBgn0032343	2.122971494	0.049749528
1627384_at	CG6225	FBgn0038072	-1.476108054	0.038858087
1627000_s_at	CG6231	FBgn0038720	-1.838770807	0.023714805
1631514_at	CG6244	FBgn0036531	1.325108048	0.001796013
1637437_at	CG6254	FBgn0037794	-1.477909915	0.016685232
1638969_at	CG6279	FBgn0036125	4.461781919	0.005283009
1634278_at	CG6409	FBgn0036106	-1.406651556	0.005357214
1627749_at	CG6412	FBgn0032646	-1.28195593	0.007471216
1622978_at	CG6434	FBgn0036972	9.5870813	0.002464454
1639444_a_at	CG6454	FBgn0039187	-1.215854	0.005252311
1634572_at	CG6459	FBgn0034259	-1.342062321	0.022414814
1631891_at	CG6488	FBgn0032361	-1.229789732	0.02824329
1636483_at	CG6511	FBgn0035923	-1.237545584	0.026831566
1634899_a_at	CG6512	FBgn0036702	-1.242644249	0.039042527
1626334_at	CG6628	FBgn0036072	-1.228767247	0.001838802
1627888_at	CG6672	FBgn0037875	1.241294122	0.053913313
1627845_at	CG6673	FBgn0035906	-1.298656606	0.012957512
1639157_at	CG6765	FBgn0035903	2.07326328	0.014999925
1626536_at	CG6776	FBgn0035904	-1.253821233	0.015625833
1636295_at	CG6796	FBgn0034177	-1.314438522	0.02060298
1626988_at	CG6805	FBgn0034179	1.586559544	0.011161161
1624692_at	CG6830	FBgn0037934	-1.330061849	0.01964611
1632262_at	CG6833	FBgn0036405	1.250781686	0.009609094
1639986_at	CG6854	FBgn0036478	-2.472410562	0.005433778
1630044_s_at	CG6904 /// DanaGF17161 ///	FBgn0038293	-1.299518045	0.050403549
1628420_s_at	CG6923	FBgn0037944	-1.311339887	0.052019503
1623942_at	CG6974	FBgn0038285	-1.860424271	0.032891826
1641284_a_at	CG6995	FBgn0039229	-1.320210826	0.003845802
1638893_at	CG7029	FBgn0039026	-1.749460389	0.03732381
1634814_at	CG7083	FBgn0035877	1.420827752	0.045737309
1628953_at	CG7131	FBgn0038598	1.730013545	0.026068347
1624726_s_at	CG7145	FBgn0037138	-1.509692787	0.03932929
1632657_at	CG7166	FBgn0037107	1.269954375	0.012988314
1631098_at	CG7194	FBgn0035868	-1.514951562	0.025417561
1628235_at	CG7203	FBgn0031942	-14.32819528	0.015248261
1623992_at	CG7229	FBgn0034423	1.375401985	0.035841787
1633734_at	CG7261	FBgn0027509	-1.28080573	0.002480538
1631121_at	CG7267	FBgn0030079	1.361874096	0.032027367
1624069_at	CG7296	FBgn0032283	3.231300673	0.015850585
1636156_at	CG7372	FBgn0036522	1.317497295	0.052501747
1624425_at	CG7384	FBgn0032262	1.420967279	0.028160224
1628512_at	CG7441 /// DsimGD14730	FBgn0036763	-1.380688946	0.028045465
1624895_at	CG7529	FBgn0037090	1.545197948	0.051251408
1635185_at	CG7560	FBgn0036157	1.304001022	0.050146747
1631369_at	CG7567	FBgn0039670	2.062129592	0.041336434
1630893_at	CG7639	FBgn0033989	-1.290130197	0.012292227
1632782_a_at	CG7675	FBgn0038610	-1.947515756	0.037318328
1636240_at	CG7678	FBgn0038613	-2.323342209	0.034043484
1627420_s_at	CG7702	FBgn0038638	-2.036730365	0.044242003
1624129_s_at	CG7708	FBgn0038641	-1.592282884	0.046425578
1623612_at	CG7722 /// DsimCG7722	FBgn0035574	-2.845272177	0.00054828
1635468_a_at	CG7730	FBgn0036689	-1.614357389	0.033167707

1626144_at	CG7763	FBgn0040503	3.689490668	0.006960204
1633254_at	CG7787	FBgn0032020	1.647191549	0.017058387
1638964_at	CG7800	FBgn0037552	1.629487555	0.048593208
1634945_at	CG7830	FBgn0032015	1.367557664	0.028099466
1625031_at	CG7841	FBgn0036502	-1.867010447	0.000256678
1627964_s_at	CG7888	FBgn0036116	-3.271559101	0.028002488
1623570_at	CG7924	FBgn0036116	2.474233515	0.03160438
1636972_at	CG8003	FBgn0036096	1.230008541	0.051871966
1632490_at	CG8008	FBgn0033387	-1.52308874	0.023379323
1636423_at	CG8012	FBgn0040832	4.778540347	0.002208072
1637607_at	CG8027	FBgn0033392	1.457485637	0.040416274
1636747_at	CG8051	FBgn0031012	1.413037742	0.011630187
1631190_at	CG8089	FBgn0033993	1.269716725	0.0096207
1638323_at	CG8116	FBgn0037614	-1.19665864	0.032674399
1637971_a_at	CG8129	FBgn0037684	1.582314817	0.001390207
1638782_at	CG8195	FBgn0034032	1.27959743	0.032011488
1637547_at	CG8199	FBgn0037709	-1.478288995	0.052071157
1625389_at	CG8209	FBgn0035830	-1.526335029	0.018010013
1629708_at	CG8219	FBgn0035693	1.240413959	0.036548883
1640537_a_at	CG8234 /// DsecCG8234	FBgn0033644	1.593517651	0.03351321
1641525_at	CG8236	FBgn0037626	-1.275124693	0.047903655
1624105_at	CG8248	FBgn0033347	-1.380776676	0.038585307
1631225_at	CG8317	FBgn0034140	1.495818363	0.039220551
1623342_at	CG8369	FBgn0040532	2.11890171	0.007173899
1629018_a_at	CG8372	FBgn0032000	1.36831779	0.014059742
1641673_at	CG8378	FBgn0027495	1.218252627	0.02516023
1633082_at	CG8449	FBgn0038129	1.292088599	0.044232027
1636842_at	CG8460	FBgn0031996	1.249304365	0.026402019
1629396_a_at	CG8486	FBgn0031993	-1.519456107	0.004547383
1636158_at	CG8492	FBgn0035813	1.596320128	0.017544438
1638959_at	CG8501	FBgn0033724	-2.238082679	0.023802068
1636431_at	CG8768	FBgn0033769	-2.114429317	0.051712163
1635808_s_at	CG8790	FBgn0027610	-1.284252011	0.025791891
1637456_at	CG8878	FBgn0027504	1.203444826	0.04739726
1632625_a_at	CG8960	FBgn0035315	-1.823994863	0.017553768
1630703_at	CG8963	FBgn0034181	-1.261007334	0.006426557
1637159_at	CG9065	FBgn0030610	-1.220991649	0.043097801
1637098_at	CG9101	FBgn0030622	-1.301908749	0.022197351
1633186_s_at	CG9153	FBgn0035207	-1.359982732	0.040702163
1623778_at	CG9162	FBgn0031778	1.366497986	0.01254406
1638236_at	CG9302	FBgn0032514	1.324817223	0.007755306
1631491_at	CG9335	FBgn0032895	-1.651526364	0.041854934
1624580_at	CG9362	FBgn0037696	1.913870657	0.006285408
1641627_at	CG9396	FBgn0037714	1.855920612	0.017485215
1623851_at	CG9400	FBgn0030562	-1.832119153	0.05475521
1637538_s_at	CG9485 /// DsecCG9485	FBgn0034618	-1.729462022	0.002377373
1640488_a_at	CG9510 /// CG9515	FBgn0032076|FBgn0032077	1.569073934	0.033761966
1623983_at	CG9514	FBgn0030592	1.43081287	0.045215196
1626695_at	CG9518	FBgn0030590	1.480521047	0.042465948
1634238_a_at	CG9628	FBgn0036433	-1.507664059	0.000870169
1633224_at	CG9631 /// DameCG9631 /// FBgn0027563		1.705606688	0.043984842
1638190_at	CG9667	FBgn0037550	-1.385874547	0.04368616
1636059_at	CG9689	FBgn0030159	-1.376509913	0.013005846
1628187_s_at	CG9691	FBgn0030160	1.748468332	0.046527014
1633834_at	CG9701	FBgn0036659	-2.479842222	0.0092739
1635001_at	CG9727	FBgn0037445	1.210690414	0.045201323
1624316_at	CG9737	FBgn0039758	-1.599850023	0.020760698
1632106_at	CG9747	FBgn0039754	1.580937134	0.037128441
1633206_at	CG9780	FBgn0037230	1.982315597	0.015022384
1637385_a_at	CG9780	FBgn0037230	2.227108225	0.007258219
1637793_at	CG9791	FBgn0037232	-1.363969767	0.016771834
1634992_s_at	CG9821 /// DsimCG9821	FBgn0037636	-1.229515566	0.019107357
1632432_at	CG9850	FBgn0034903	-2.018840126	0.052621233
1630762_at	CG9918	FBgn0038201	-1.933897949	0.037131782
1638121_at	CG9961	FBgn0031451	-1.607636978	0.001304888
1639806_at	chb	FBgn0021760	-1.433797883	0.00400145
1632339_s_at	cher	FBgn0014141	-1.52895753	0.00315795
1632484_s_at	chinmo	FBgn0086758	-2.117839609	0.023045589
1628005_at	chinmo	FBgn0086758	-1.913735792	0.01606981
1623771_at	CHOp24	FBgn0029709	1.219467802	0.027606312
1623144_at	ci	FBgn0004859	1.277892667	0.045997949
1638047_at	cnir	FBgn0243513|FBgn0031499	1.27009229	0.035671495
1635619_a_at	cnn	FBgn0013765	1.86476651	0.011975469
1636709_at	coil	FBgn0033265	-1.260959262	0.018101393
1636089_at	comm	FBgn0010105	1.870870889	0.002395032
1635336_at	comm2	FBgn0041160	1.6620226	0.041726174
1629919_at	Cpr100A	FBgn0039805	-8.739485401	0.012698628
1623558_at	Cpr49Ae	FBgn0033728	-2.643220291	0.002073377
1626386_at	Cpr57A /// Obp57d	FBgn0034517|FBgn0043536	-2.425902666	0.035936841
1630538_at	Cpr60D	FBgn0050163	-3.014600166	0.003178651
1624011_at	Cpr76Bc	FBgn0036880	-2.27285923	0.034509025
1629105_at	CR16735	FBgn0037666	1.643705306	0.017251058
1633135_s_at	CR18854	FBgn0042174	-1.213450283	0.001448103
1639109_a_at	CRMP	FBgn0023023	1.330180168	0.003337733
1639215_at	Csat	FBgn0024994	1.369869378	0.034221142
1639039_at	Csk	FBgn0052852|FBgn0259217	-1.351948316	0.033022661
1632931_at	cta	FBgn0000384	1.235288768	0.032355244
1627546_at	CTCF	FBgn0035769	-1.32841262	0.028986368
1639069_at	Cyp12d1-d	FBgn0053503	21.79605301	0.017607928
1633401_s_at	Cyp12d1-d /// Cyp12d1-p	FBgn0053503|FBgn0050489	6.909916769	0.003097547
1624911_at	Cyp28d2	FBgn0031688	-1.471055489	0.03662592
1632451_at	Cyp304a1	FBgn0038095	2.804823522	0.032769968
1634662_at	Cyp313a1	FBgn0038236	-2.940242198	0.018533573
1636292_at	Cyp313a4	FBgn0038076	2.169375812	0.001391424
1637858_at	Cyp313b1	FBgn0037601	4.108352582	0.007689594
1634297_at	Cyp318a1	FBgn0030369	3.480082884	0.050847946
1639584_at	Cyp4ad1	FBgn0033292	2.523066678	0.0055255
1627180_at	Cyp4d14	FBgn0023541	1.965997745	0.03981515
1625338_at	Cyp4d20	FBgn0035344	1.442822007	0.064239556
1639170_at	Cyp4d21	FBgn0031925	-2.009409589	0.043429342
1635727_a_at	Cyp4g15	FBgn0030304	3.056640042	0.031047691
1628052_at	Cyp6a17	FBgn0015714	1.706278724	0.054831337
1626401_at	Cyp6a2	FBgn0000473	3.138528552	0.035461325
1631533_at	Cyp6a22	FBgn0013773	1.577560135	0.048423819
1640755_at	Cyp6a8	FBgn0013772	16.65588376	0.027506014
1625697_at	Cyp6g1	FBgn0025454	1.841485452	0.027278122
1633060_at	Cyp6g2	FBgn0033696	10.34767685	0.003334639
1634143_at	Cyp6w1	FBgn0033065	1.881210991	0.025944741
1639495_at	Cyp9b1	FBgn0015038	1.918428505	0.044522888
1627637_at	d	FBgn0086896	-1.2670455	0.001168181
1636539_at	Dak1 /// Sld5	FBgn0039403|FBgn0028833	-1.275521013	0.046196653
1625199_s_at	dap	FBgn0010316	1.363054581	0.029157401
1637487_at	Dcp-1	FBgn0010501	-1.452300503	0.023187422
1639320_a_at	Ddc	FBgn0000422	-2.069389192	0.041607604
1636493_at	dei	FBgn0008649	-2.517005438	0.020061367
1637550_at	desat	FBgn0043043	1.412983873	0.052098648
1637896_at	Dhc62B	FBgn0013811	-1.679657016	0.030843064
1633854_at	DNApol-alpha50	FBgn0011762	1.466960475	0.01701253
1636289_s_at	DNApol-iota	FBgn0037554	-1.519705386	0.05432308
1626336_at	dnr1	FBgn0034738	-1.429438284	0.037395836
1631173_at	dob	FBgn0036607	1.505961617	0.053614544
1635618_at	Dok	FBgn0029944	1.557431092	0.03483465
1632381_at	dome	FBgn0043903	-1.244309177	0.048401503
1629142_at	DopR	FBgn0011582	1.874793459	0.032788678
1628617_at	dro4	FBgn0052282	-3.017363136	0.006852677
1627327_at	dro5	FBgn0035434	-3.749435312	0.012729891
1630639_at	dsd	FBgn0039528	1.430419524	0.003159117
1635400_a_at	dtr	FBgn0023090	2.074286252	0.003882637
1634637_a_at	dUTPase	FBgn0013349|FBgn0250837	1.254715258	0.015526479
1626617_at	dx	FBgn0000524	1.429046968	0.032814894
1633143_s_at	Dyrk3	FBgn0027101	1.474790471	0.024465644
1623244_at	Ect4	FBgn0085402	-1.220244289	0.021500217
1632067_at	Ect4	FBgn0085402	-1.214353399	0.025829178
1623380_at	Ect4	FBgn0085402	1.229812464	0.020882376
1637602_at	Edem1	FBgn0023511	-1.303735915	0.019286166
1630203_at	Edem2	FBgn0032480	1.252043772	0.006044968
1640299_at	Edg91	FBgn0004554	2.969345564	0.017863126
1638875_at	EDTP	FBgn0027506	1.312541768	0.002746881
1624989_s_at	Ef1alpha100E	FBgn0000557	1.92331269	0.045854134
1623588_at	EfTuM	FBgn0024556	-1.235234541	0.035381085
1631621_s_at	egh	FBgn0001404	-1.28288039	0.033745377
1629261_at	eIF-4B	FBgn0020660	1.811142423	0.007056983
1633137_at	eIF4E-6	FBgn0039622	1.199764847	0.007795073
1635792_a_at	Ela	FBgn0013949	1.682272791	0.042894481
1628097_at	elk	FBgn0011589	-1.35607158	0.031618394
1634035_s_at	Ephrin	FBgn0040324	1.213039615	0.026626855
1624560_at	ergic53	FBgn0035909	1.276498344	0.042667189
1631224_at	Est-6	FBgn0000592	2.284877258	0.031076307
1629064_at	ewg	FBgn0005427	1.292314014	0.013542946

1641473_at	Fas3	FBgn0000636		-1.276114988	0.001579557
1633897_at	Fer3	FBgn0037937		2.682556083	0.002624924
1627939_a_at	ferrochelatase	FBgn0024891		-1.404214503	0.016990765
1626444_at	Fib	FBgn0003062		1.207684269	0.015220488
1627088_at	fit	FBgn0038914		4.975385573	0.030888888
1629441_at	Fit2	FBgn0036688		-1.69115239	0.00717047
1623200_at	fng	FBgn0011591		-1.231198461	0.003808911
1628428_at	Fpps	FBgn0025373		1.55642206	0.036422058
1631579_a_at	fry	FBgn0016081		-1.539521128	0.010531936
1631139_a_at	fs(2)ltoPP43	FBgn0004811		1.331222448	0.019075937
1630781_at	fs(2)ltoPP43	FBgn0004811		1.433478235	0.032087781
1640998_at	fs(2)ltoPP43	FBgn0004811		1.505952918	0.034995931
1625341_at	FucTC	FBgn0044872		1.699959057	0.006292847
1630231_at	fw	FBgn0001083		-1.528358864	0.041552834
1625139_at	Gadd45	FBgn0033153		-2.505818057	0.029205301
1633914_at	Gal	FBgn0031089		2.044800367	0.008278209
1639361_a_at	garz	FBgn0033714		1.34703593	0.05088543
1626899_at	GATAd	FBgn0032223		-1.447983337	0.020329878
1637177_at	gce	FBgn0030626		2.037504624	0.009980258
1632728_at	Gcn2	FBgn0019990		-1.417378431	0.017469574
1629485_at	gd	FBgn0000808		-1.199735741	0.007227153
1625947_at	GLaz	FBgn0033799		1.46087729	0.015550375
1626984_at	Gld	FBgn0001112		-2.27886427	0.01407899
1634465_a_at	GluClalpha	FBgn0024963		-1.961055003	0.051158195
1630710_at	GluRIIA	FBgn0004620		-2.092126375	0.018865394
1626221_at	Glycogenin	FBgn0034603		-1.416384866	0.03478586
1631620_at	GlyP	FBgn0004507		-1.495360504	0.015611968
1627550_a_at	Gmap	FBgn0027287		-1.233778434	0.041774554
1624124_at	GNBP1	FBgn0040323		1.376721427	0.051965673
1639916_at	Gpb5	FBgn0063368		-1.253063911	0.040934823
1624042_at	Gprk2	FBgn0004834		-3.812753689	4.59164E-05
1638056_at	Gr39a	FBgn0041244		1.329925103	0.050491874
1629589_at	Gr43a	FBgn0041243		-1.598287193	0.011847376
1639106_at	Grip	FBgn0029830		-1.592731779	0.042977424
1632681_at	grn	FBgn0001138		2.237599237	0.028701492
1625416_x_at	grp	FBgn0011598		1.297770251	0.021253031
1629880_at	grp	FBgn0011598		1.408749404	0.023943429
1630653_a_at	Gs2	FBgn0001145		1.373017487	0.015596842
1626136_at	GstD6	FBgn0010042		3.963120041	0.005451186
1624793_at	GstD7	FBgn0010043		3.017917428	0.010517809
1624732_at	GstE5	FBgn0063495		-2.216197825	0.054536166
1629953_at	gt	FBgn0001150		-1.41338712	0.038833658
1626287_at	GV1	FBgn0027790		-1.757983667	0.042410764
1638568_s_at	H	FBgn0001169		-1.250891507	0.011961524
1634779_at	Haspin	FBgn0046706		1.272978747	0.028308924
1640199_at	Hcs	FBgn0037332		-1.214228549	0.043189393
1636899_s_at	hebe	FBgn0033448		-2.03038737	0.035424947
1625638_a_at	Hex-A	FBgn0001186		-1.334804387	0.016815901
1635989_at	Hf	FBgn0014000		1.224716928	0.042755346
1635666_at	His2B: CG17949 /// His2B: CC	FBgn0061209|FBgn0053910		2.943130812	0.017028332
1624284_a_at	hkl	FBgn0086441		-1.214910469	0.014705078
1628984_s_at	HmgZ	FBgn0010228		1.348617914	0.005286559
1626434_s_at	HMS-Beaglepol			-4.07632289	0.009771313
1628389_at	Hmt-1	FBgn0038376		-1.33784873	0.01853005
1638325_at	Hn	FBgn0001208		1.64368252	0.041618366
1630076_at	Hop	FBgn0024352		-1.199590221	0.023979804
1640577_a_at	HPS4	FBgn0034261		1.495018496	0.026432091
1630393_a_at	Hrs	FBgn0031450		-1.492716302	0.051929564
1636741_s_at	Hsc70Cb	FBgn0026418		-1.306932834	0.02416847
1630487_s_at	Hsp22 /// Hsp67Bb	FBgn0001228|FBgn0001223		-2.558665702	0.02848471
1629061_s_at	Hsp22 /// Hsp67Bb	FBgn0001228|FBgn0001223		-1.473346403	0.022668495
1641055_at	Hsp23	FBgn0001224		-2.531135953	0.01221912
1635044_at	Hsp26	FBgn0001225		-1.360386568	0.009774985
1628117_at	Hsp27	FBgn0001226		-1.611945909	0.00675908
1626461_at	Hsp60B /// Ncc69	FBgn0036279		-1.287778974	0.048744428
1638484_at	Hsp67Bc	FBgn0001229		-5.425245163	0.030681823
1638872_at	Hsp68	FBgn0001230		-1.532648289	0.039240542
1629827_s_at	Hsp70Ba /// Hsp70Bb /// Hs	FBgn0013278|FBgn0051354|FBgn0013277		-2.518672135	0.027190189
1632841_x_at	Hsp70Bc	FBgn0031279		-2.112898308	0.05413751
1623698_s_at	Iap2	FBgn0015247		-1.260666495	0.014803498
1629423_at	ics	FBgn0028546		-1.252625367	0.029771703
1635389_s_at	Idgf4	FBgn0026415		1.300760182	0.020674315
1631867_at	Idgf5	FBgn0064237		2.629748807	0.051631931
1633053_at	IM1	FBgn0034329		2.766579408	0.035034596
1626319_a_at	IM10			1.698806656	0.026118564
1640360_at	IM2	FBgn0025583		1.355407507	0.027211833
1629530_at	IM23	FBgn0034328		10.94060034	0.01400461
1626345_at	IM4	FBgn0040653		3.549424189	0.000267321
1637332_at	imd	FBgn0013983		-1.20139453	0.024192192
1625625_at	ImpE1	FBgn0001253		1.913132329	0.016869724
1634619_at	IP3K1	FBgn0032147		-1.240889801	0.003675426
1640580_at	Ir68a	FBgn0036150		1.284050254	0.023318928
1632241_at	Ir87a	FBgn0038153		1.352307586	0.032596884
1633933_at	Ir94c	FBgn0051423		1.865264211	0.019007218
1640155_at	ire-1	FBgn0038736		-1.386033057	0.032114273
1634092_at	Jarid2	FBgn0036004		1.741163481	0.003748208
1626414_at	Jheh1	FBgn0010053		1.786633023	0.00427825
1625587_at	Jheh3	FBgn0034406		-2.481816873	0.008529315
1641021_a_at	JIL-1	FBgn0020412		1.754341974	0.014871225
1628528_at	jing	FBgn0086655		-1.219210022	0.049956835
1638704_at	Kap3	FBgn0028421		-1.215967779	0.026726854
1641312_at	Khc	FBgn0001308		-1.299681692	0.019414185
1634393_s_at	Klp10A	FBgn0030268		-1.415154923	0.005977394
1628601_at	Klp64D	FBgn0004380		-1.383003684	0.013222466
1624121_at	knk	FBgn0001321		-1.864019131	0.044193008
1626059_at	knrl	FBgn0001323		1.68377963	0.006158922
1634940_at	kraken	FBgn0020545		-1.414749538	0.04799224
1636625_at	krimp	FBgn0034098		2.077427794	0.04975775
1637517_s_at	KrT95D	FBgn0020647		-1.576871392	0.049735539
1639411_at	l(1)G0148	FBgn0028360		-1.402615912	0.046802284
1628453_at	l(1)G0289	FBgn0028331		-1.207611723	0.024408063
1638079_at	l(2)05510	FBgn0028622		-1.256364427	0.030731234
1634344_at	l(2)35Bg	FBgn0001977		-1.33542134	0.004973333
1635542_at	l(3)02640	FBgn0010786		-1.339180105	0.032297176
1632434_at	l(3)70Da	FBgn0013563		-1.419753039	0.032182972
1629496_at	l(3)L1231	FBgn0086686		-1.358316802	0.011386506
1627452_a_at	l(3)mbt	FBgn0002441		-1.272264235	0.018824834
1628830_at	l(3)S147910	FBgn0086699		1.354264934	0.006557466
1636809_at	Lam	FBgn0002525		1.272903749	0.042793777
1629981_at	LamC	FBgn0010397		-1.669774559	0.001988435
1637874_at	Lasp	FBgn0063485		1.544271768	0.008915396
1629733_at	Lim1	FBgn0026411		1.936923086	0.050524441
1632099_s_at	Liprin-alpha	FBgn0046704		-1.301976432	0.017677445
1633379_s_at	loj	FBgn0061492		1.488528317	0.021397158
1629212_at	lox	FBgn0039848		-1.769826987	0.022737435
1639108_at	LSm3	FBgn0051184		1.220001848	0.002231311
1626882_at	lush	FBgn0020277		3.263092761	0.029319854
1633299_at	lz	FBgn0002576		1.481818072	0.041156466
1640938_at	mad2	FBgn0035640		-1.644945744	0.00831112
1641530_s_at	magu	FBgn0034378		1.330639716	0.001133435
1638705_at	mbo	FBgn0026207		1.612355644	0.03338824
1628659_at	Mdr49	FBgn0004512		-2.373426983	0.01084159
1626392_s_at	Mef2	FBgn0011656		4.270633224	0.031909414
1635747_at	mei-41	FBgn0004367		-1.222136137	0.000210605
1627465_at	Mes4	FBgn0034726		1.294700439	0.00425867
1630521_at	Met	FBgn0002723		-1.31709554	0.007400758
1634290_a_at	mew	FBgn0004456		-1.224565548	0.048601834
1632687_at	mib1	FBgn0036558		-1.607124468	0.04171251
1640497_at	mib2	FBgn0086442		-1.360528018	0.020050909
1638339_at	mip40	FBgn0034430		1.255651987	0.028139989
1639183_a_at	mira	FBgn0021776		1.660218739	0.037457715
1635669_a_at	mirr	FBgn0014343		-1.317437937	0.018514675
1633850_at	Mis12	FBgn0035725		2.317932145	0.009930814
1630916_at	Mkk4	FBgn0024326		-1.284036904	0.029330004
1639980_s_at	Mlp84B	FBgn0014863		-1.919729888	0.022409584
1625478_at	Mnn1	FBgn0031885		1.233655862	0.015433511
1633290_a_at	mol	FBgn0086711		1.252328748	0.021510821
1635842_at	mop	FBgn0036448		-1.309382558	0.011193898
1635259_at	Mov34	FBgn0002787		-1.301562869	0.042603993
1628481_at	mRpL1	FBgn0037566		-1.259740579	0.053741903
1634414_at	mRpL23	FBgn0035335		-1.250008871	0.007114006
1625665_at	mRpL39	FBgn0036462		-1.505511088	0.020012152
1639937_at	mRpL4	FBgn0001995		-1.198133223	0.014125304
1625392_at	mRpL42	FBgn0033480		-1.304026632	0.019635108
1632596_at	mRpL44	FBgn0037330		-1.356358298	0.048275597
1628902_at	mRpS11	FBgn0038474		-1.412843499	0.028828381
1625994_a_at	mRpS11	FBgn0038474		-1.286388725	0.018187232
1637172_at	mRpS14	FBgn0044030		-1.364836688	0.051204875
1631663_at	mRpS24	FBgn0039159		-1.55518729	0.031827645

1636679_at	Mrtf	FBgn0052296	-1.383270528	0.009122157
1639438_at	msl-1	FBgn0005617	1.296996872	0.03379181
1630477_at	msl-3	FBgn0002775	1.440462064	0.004454265
1625321_a_at	mtg	FBgn0260386|FBgn0037559	1.5367296	0.014398215
1635397_at	mthl12	FBgn0045442	-3.211027454	0.002095456
1633386_s_at	mthl8	FBgn0052475	1.564382533	0.036175746
1638616_at	mthl9	FBgn0035131	1.929254316	0.015932133
1627613_at	Mtk	FBgn0014865	4.820618743	0.049366473
1631962_at	MtnD	FBgn0053192	-3.180069583	0.033500736
1635733_x_at	Muc96D	FBgn0051439	-1.368637137	0.030668796
1627248_at	mura	FBgn0051439	1.230379468	0.052557372
1637039_at	mus309	FBgn0002906	-1.352270092	0.008339514
1638278_s_at	Myo61F	FBgn0010246	-2.640034287	0.051103257
1635349_a_at	nAcRbeta-96A	FBgn0004118	-1.462941081	0.035336181
1624361_s_at	NAT1	FBgn0010488	-1.270467967	0.000710854
1638593_a_at	ND75	FBgn0017566	-1.408023748	0.040795547
1639102_at	Nelf-E	FBgn0017430	1.296874013	0.029439524
1626158_s_at	nes	FBgn0026630	1.221430408	0.009353714
1635591_at	NijA	FBgn0036101	-1.761594252	0.038979725
1634806_at	nimB3	FBgn0054003	1.341911939	0.022371243
1630412_at	nimB5	FBgn0028936	1.304980576	0.014015887
1637366_at	nimC4	FBgn0260011|FBgn0028876	-6.801918249	0.006281743
1641377_a_at	nompA	FBgn0016047	1.229543974	0.024191626
1638560_a_at	Not1	FBgn0085436	1.297636825	0.007784114
1629317_at	Nplp3	FBgn0042201	-38.16451626	0.013810816
1636146_at	Nrg	FBgn0002968	-1.340082357	0.026064995
1625502_at	Ntf-2r	FBgn0032680	1.277067694	0.018205055
1634121_at	Obp57c	FBgn0034509	-1.525746203	0.032572019
1638221_at	Obp83cd	FBgn0046878	1.247311381	0.016155366
1637914_at	Obp83g	FBgn0046875	-2.998896365	0.028838766
1640107_at	obst-A	FBgn0031097	-1.94962051	0.047519336
1631439_at	Odc2	FBgn0013308	1.622020065	0.025940675
1631674_at	O-fut1	FBgn0033901	1.390677922	0.025699508
1636807_at	Ogg1	FBgn0027864	1.296583393	0.024458789
1640918_at	ome	FBgn0002997|FBgn0259175	-1.484441253	0.00234529
1631444_a_at	Or35a	FBgn0028946	1.250148953	0.000217184
1635846_a_at	orb	FBgn0004882	1.857361969	0.049189282
1635800_at	Orct2	FBgn0086365	-3.035806842	0.005685009
1628828_s_at	Oscillin	FBgn0031717	1.776090382	0.006139843
1631153_at	osk	FBgn0003015	1.388557256	0.045027173
1639953_at	osk	FBgn0003015	1.584105404	0.001884287
1633181_at	osm-1	FBgn0035317	-6.896622499	0.003558905
1641484_a_at	otu	FBgn0003023	1.272105509	0.017672365
1632207_a_at	p130CAS	FBgn0035101	2.053210675	0.035007627
1625544_s_at	par-1	FBgn0026193	-1.235227406	0.042760897
1638011_a_at	Past1	FBgn0016693	-1.397015796	0.004504709
1626624_s_at	Pax	FBgn0041789	-1.473075798	0.027445589
1637004_at	pcs	FBgn0033988	-1.363498708	0.035657984
1640565_at	PebIII	FBgn0011695	-1.626202217	0.002192114
1641072_at	PEK	FBgn0037327	-1.356715604	0.032738019
1630085_s_at	Peritrophin-A	FBgn0022770	-1.781239694	0.008112376
1634913_s_at	pes	FBgn0031969	-1.263203144	0.044562245
1622998_a_at	pfk	FBgn0003405	-1.206025156	0.041063891
1634828_at	pgant8	FBgn0036529	2.528336231	0.000431628
1641723_a_at	PGRP-LC	FBgn0035976	3.208468902	0.045014734
1633545_at	PGRP-SD	FBgn0035806	4.25325789	0.011430816
1624139_at	PhKgamma	FBgn0011754	1.272577336	0.008250999
1630080_at	phol	FBgn0035997	-1.23885156	0.014030125
1641378_at	phtf	FBgn0028579	-1.279906421	0.035266938
1632909_at	Pi3K21B	FBgn0020622	1.80615495	0.022140649
1625233_at	Pi3K68D	FBgn0015278	1.451195278	0.018771517
1628633_at	Pig1	FBgn0003086	1.258816796	0.003812242
1630919_at	pip	FBgn0003089	-1.793712081	0.023838499
1625595_a_at	Pis	FBgn0030670	1.25092908	0.018864069
1634969_at	Pkd2	FBgn0041195	-1.730131466	0.018015454
1640702_at	plexB	FBgn0025740|FBgn0052010|FBgn0052011	2.190861575	0.008236211
1637078_a_at	Poxm	FBgn0003129	-1.223731175	0.03373927
1627128_at	ppk6	FBgn0245928	1.222645928	0.044956663
1633879_a_at	prd	FBgn0003145	1.451418268	0.001454854
1632854_s_at	Prm	FBgn0003149	-1.459829621	0.030900989
1635974_at	Pros54	FBgn0015283	-1.201087842	0.054177751
1633471_at	Prx2540-2	FBgn0033518	-1.849008256	0.023740001
1636266_at	psh	FBgn0030926	1.95837901	0.000114561
1639136_s_at	psq	FBgn0004399	-1.28250697	0.042494259
1627599_at	Ptp4E	FBgn0004368	-1.309261551	0.020201821
1635729_a_at	Ptp61F	FBgn0003138	-1.557249382	0.005462077
1638438_a_at	Ptp61F	FBgn0003138	-1.405837652	0.002463128
1628763_at	Ptpmeg	FBgn0035133	1.440633476	0.016118949
1638100_s_at	Ptpmeg	FBgn0035133	1.760436676	0.003006634
1631779_s_at	ptr	FBgn0003159	-2.50892614	0.008746286
1636728_at	Ptr	FBgn0033068	1.904923859	0.02026469
1637444_s_at	pug	FBgn0020385	1.478663047	0.014599207
1630642_at	Pvf2	FBgn0031888	-1.348473029	0.033477741
1638143_a_at	Pvr	FBgn0032006	-1.219628414	0.004719024
1635967_at	qm	FBgn0019662	-1.252337429	0.024075828
1635961_at	qvr	FBgn0053472	-1.43788836	0.011286959
1624079_a_at	Rab21	FBgn0039966	1.357962211	0.010638415
1624567_at	Rab35	FBgn0031090	-1.486461056	0.030455095
1628482_at	Rab39	FBgn0029959	1.320094918	0.020886418
1624321_at	Rac2	FBgn0014011	-1.863627253	0.007615239
1632613_at	Rbp1-like	FBgn0030479	-1.496003275	0.018361523
1634099_at	rdgB	FBgn0003218	1.871809135	0.035392852
1629552_at	rdgBbeta	FBgn0027872	-1.21374891	0.054037555
1628264_a_at	RecQ5	FBgn0027375	1.467548653	0.002514964
1641722_at	Reg-2	FBgn0016715	1.619731859	0.040481845
1627376_at	Rel	FBgn0014018	-1.79245471	0.045368859
1631066_at	rib	FBgn0003254	2.936189333	0.01929702
1626315_at	Rip11	FBgn0027335	-1.255981314	0.026150664
1637799_at	r-l	FBgn0003257	-1.536770432	0.015365188
1633470_at	RN-tre	FBgn0020620	-1.81705027	0.036116545
1625146_a_at	RN-tre	FBgn0020620	-1.715558513	0.014993611
1622996_at	RN-tre	FBgn0020620	-1.404316706	0.041951587
1631687_at	RN-tre	FBgn0020620	-1.400986771	0.049027485
1627197_at	Rop	FBgn0004574	-1.210563144	0.032080504
1626152_at	Ror	FBgn0010407	-1.443428855	0.033934047
1633905_at	RpL28	FBgn0035422	2.353079396	0.036876734
1639036_at	RpS11	FBgn0033699	1.430621141	0.010527989
1634343_at	Rpt6R	FBgn0039788	-2.324754438	0.007448147
1634413_at	run	FBgn0003300	1.297785243	0.039654569
1633452_a_at	Rya-r44F	FBgn0011286	-1.359671687	0.054690707
1626485_at	sad	FBgn0003312	1.433773037	0.054725309
1629805_at	SAK	FBgn0026371	1.323781487	0.009873309
1633958_at	SamDC	FBgn0019932	1.59798441	0.008440073
1635730_a_at	SamDC	FBgn0019932	1.841008984	0.00945924
1624083_s_at	Sam-S	FBgn0005278	1.306022725	0.047801141
1634385_at	sas-6	FBgn0039731	-1.20346846	0.046849657
1638512_at	Sb	FBgn0003319	-1.487429888	0.00483132
1636998_at	sca	FBgn0003326	1.784733091	0.00435922
1624348_a_at	scny	FBgn0035633	-1.556601875	0.047192099
1629115_s_at	scrib	FBgn0026178	-1.466780848	0.030252011
1639402_a_at	scrib	FBgn0026178	-1.317255314	0.018350056
1632164_at	scrib	FBgn0026178	-1.310882461	0.026117295
1625515_a_at	sd	FBgn0003345	-1.272190748	0.005051747
1628834_a_at	SelD	FBgn0020615	-1.232751208	0.028468115
1639542_at	Sema-5c	FBgn0028679|FBgn0250876	4.12888337	0.032541258
1630606_at	SH3PX1	FBgn0040475	-1.476062012	0.013967934
1623967_at	Shc	FBgn0015296	-1.289559494	0.043488064
1638040_at	shd	FBgn0003388	-8.20847945	0.00629685
1635002_at	shd	FBgn0003388	-3.397562287	0.037015402
1637637_at	shi	FBgn0003392	-1.315480625	0.033714764
1625442_a_at	shi	FBgn0003392	-1.208414165	0.047425171
1629937_a_at	Shroom	FBgn0085408	-1.413548777	0.053082527
1630245_at	shu	FBgn0003401	2.04312386	0.030763181
1625065_s_at	SK	FBgn0029761	-1.420455202	0.05199673
1624594_at	Sk2	FBgn0052484	1.213572248	0.020815335
1630957_s_at	slif	FBgn0037203	-1.649939739	0.041823779
1631441_s_at	slow	FBgn0035539	1.806536829	0.015481055
1640129_at	slp1	FBgn0003430	1.474264108	0.039283143
1628671_a_at	sls	FBgn0086906	-1.822154134	0.007045524
1635445_at	sls	FBgn0086906	-1.571054614	0.02921474
1628088_at	SmD1	FBgn0016940	-1.689480852	0.023662724
1622932_s_at	sn	FBgn0003447	1.667027996	0.01833067
1632291_at	Snap	FBgn0250791|FBgn0011712	-1.258283202	0.017476698
1638558_a_at	Snap25	FBgn0011288	-1.639544432	0.043666025
1626570_s_at	SNF4Agamma	FBgn0025803	-1.331330105	0.030415102
1627015_at	sni	FBgn0030026	1.386508698	0.006389593
1641725_at	Snmp	FBgn0260004|FBgn0038867	1.82007134	0.039328882
1634742_at	Sodh-2	FBgn0022359	-1.64388571	0.046631863
1630142_at	sog	FBgn0003463	-1.250853936	0.009128902

1634504_a_at	sol	FBgn0003464	-1.383644514	0.045132088
1625982_at	SP2353	FBgn0034070	-1.387874067	0.039622107
1631087_a_at	Spargel	FBgn0037248	1.303654586	0.002087183
1628463_at	Spc25	FBgn0087021|FBgn0040494	1.979615166	0.001518186
1631543_at	spd-2	FBgn0027500	1.233610258	0.008601938
1631650_a_at	spirit	FBgn0030051	1.705149617	0.016747327
1633021_s_at	Spn	FBgn0010905	-1.618564659	0.035665866
1636145_at	Spn28D	FBgn0031973	-1.965863748	0.040333071
1636784_at	Spn3	FBgn0028986	-1.320477757	0.005170603
1636639_at	Spp	FBgn0031260	1.300306446	0.024101374
1623478_at	SPR	FBgn0029768	1.989101184	0.019940235
1626448_at	Spt5	FBgn0040273	-1.49414138	0.009706996
1625352_s_at	Spt-I	FBgn0086532	-1.256045158	0.012827379
1641068_a_at	spz	FBgn0003495	-1.429401955	0.020224933
1636668_at	spz5	FBgn0035379	-1.836594758	0.042973175
1625198_at	ss	FBgn0003513	-1.728395444	0.016854853
1640859_at	Sse	FBgn0035627	-1.951968809	0.036021644
1632670_at	ssp2	FBgn0036389	-1.240093013	0.00402511
1626294_a_at	stai	FBgn0051641	4.433645229	0.007665347
1627533_at	stj	FBgn0033870	-1.710826351	0.035254917
1632946_at	Stlk	FBgn0046692	1.403672788	0.000279726
1638804_a_at	Stlk	FBgn0046692	1.742882125	0.00890840
1634364_s_at	stv	FBgn0086708	-2.108816163	0.001801139
1629921_a_at	Su(H)	FBgn0004837	-1.400847589	0.038033895
1626862_at	Su(var)3-7	FBgn0003598	1.401040182	0.013156083
1629963_at	sut1	FBgn0028563	-1.279548649	0.013446317
1629866_at	Suv4-20	FBgn0025639	1.264692517	0.022140486
1628930_at	swi2	FBgn0034262	1.436606552	0.053197522
1639431_at	synaptogyrin	FBgn0033876	-1.43333748	0.053991142
1630803_at	Taf10b	FBgn0026324	1.410361502	0.007082875
1623899_at	Takr99D	FBgn0004622	1.649038407	0.02351632
1639330_s_at	Tao-1	FBgn0031030	-1.326579987	0.033242592
1629676_at	Tbp-1	FBgn0028684	-1.326278114	0.032327054
1626845_at	Tcp-1eta	FBgn0037632	-1.27093625	0.001883837
1623755_at	Ten-a	FBgn0004446|FBgn0259240	-1.909842057	0.012048717
1630067_a_at	TepII	FBgn0041182	1.476844913	0.007256242
1623753_at	TepIII	FBgn0041181	-1.288463498	0.046528815
1628008_a_at	TER94	FBgn0024923	-1.27782476	0.014618858
1636787_s_at	th	FBgn0003691	-1.313448833	0.017503826
1634188_a_at	tim	FBgn0014396	-1.3859546	0.038284534
1640773_at	tow	FBgn0035719	2.214429397	0.008981794
1635491_s_at	TRAM	FBgn0040340	1.382920606	0.037656643
1635692_s_at	Treh	FBgn0003748	-1.299662174	0.026565938
1623736_at	trh	FBgn0003749	3.305396482	0.013024053
1635047_s_at	trio	FBgn0024277	-2.24167428	0.017128246
1623731_at	trk	FBgn0003751	-1.46098868	0.018026612
1639235_at	trn	FBgn0010452	-1.660212985	0.015791808
1630732_at	Trn-SR	FBgn0031456	-1.228286122	0.041019736
1641487_a_at	Trxr-1	FBgn0020653	-1.322407367	0.011254729
1632430_at	Tsf1	FBgn0022355	2.754320923	0.028395031
1639442_a_at	Tsf1	FBgn0022355	7.587239086	0.000235674
1641143_s_at	tsl	FBgn0003867	1.36689744	0.04630007
1624907_at	Tsp42Ee	FBgn0029506	1.38085165	0.045052881
1634977_at	Tsp42Er	FBgn0033139	2.025746058	0.049788009
1635267_s_at	Tsp66E	FBgn0035936	1.879210483	0.049617081
1626546_s_at	Tsp74F	FBgn0036769	-1.534818791	0.019790882
1625279_a_at	tup	FBgn0003896	-1.450932094	0.006297932
1638788_at	TwdlaIpha	FBgn0052574	1.684863443	0.037345335
1629531_at	TwdlK	FBgn0039439	1.374006028	0.035314353
1637472_at	TwdlY	FBgn0052570	1.217637757	0.017937975
1629493_at	U26	FBgn0027780	-1.360340993	0.039363821
1637679_s_at	UbcD2	FBgn0015320	-1.198457155	0.025000674
1636463_at	Ucp4B	FBgn0031758	-3.664445734	0.030601351
1634681_a_at	Ucp4B	FBgn0031758	-2.866429905	0.013550988
1640109_at	Ugt37b1	FBgn0026755	3.240676475	0.044919495
1641481_at	Ugt86Dd	FBgn0040256	2.60548148	0.054814328
1635684_a_at	unc-13	FBgn0025726	1.794534924	0.025541698
1623019_a_at	Unc-89	FBgn0053519	-1.64249047	0.046077052
1639230_at	v(2)k05816	FBgn0042627	-1.263750503	0.00646304
1636264_at	VAChT	FBgn0015323	-1.824724087	0.010303202
1636614_a_at	vav	FBgn0040068	-1.430464142	0.007920034
1634961_s_at	Vha68-2	FBgn0020367	-1.236568077	0.047496522
1641150_at	vih	FBgn0027936	1.28170567	0.010615601
1624097_s_at	wge	FBgn0051151	-1.297756758	0.03440323
1633727_s_at	wnd	FBgn0036896	1.273667176	0.017765411
1632524_at	Wnt4	FBgn0010453	1.355565665	0.033445627
1632858_a_at	Xe7	FBgn0010772	-1.271960028	0.034811318
1625405_at	yellow-c	FBgn0041713	-1.652169457	0.050742386
1637370_at	yellow-f	FBgn0041710	1.779322885	0.004643774
1631326_at	Zasp66	FBgn0035917	-2.0020944	0.004645567
1634521_at	zetaCOP	FBgn0040512	1.238709882	0.023739401
1627840_a_at	zip	FBgn0005634	-1.403437678	0.011429116
1635291_a_at	Zn72D	FBgn0017453	-1.256291859	0.005113499
1640817_at	zormin	FBgn0052311	-2.032414976	0.025509741
1626878_at		|FBgn0036944	-1.439493891	0.018064758
1634756_at		|FBgn0037212	1.793212755	0.05082442
1636821_at		|FBgn0038369	-1.200778458	0.047759347
1633336_at		|FBgn0052560	-1.312008136	0.036047879
1627241_at		|FBgn0052696	1.303760013	0.011989744
1635609_at		|FBgn0058294	1.983928455	0.010003224
1639114_at		|FBgn0082582	-1.338815043	0.045922386
1641442_a_at		FBgn0001402	-1.49229387	0.039920952
1623383_at		FBgn0010349	-1.378975349	0.006948732
1637137_a_at		FBgn0010349	2.324330142	0.005283858
1635738_at		FBgn0014462	3.422059869	0.036342087
1629086_s_at		FBgn0017539	-1.318584475	0.042046266
1637439_at		FBgn0025701	-1.316630022	0.052375982
1625830_a_at		FBgn0026173	-1.201279339	0.036695966
1635561_at		FBgn0028915	-1.943533084	0.00635739
1634430_at		FBgn0031186	1.234876416	0.051458969
1636095_at		FBgn0032166	1.44649366	0.022726731
1626466_at		FBgn0033303	-1.911142032	0.030095011
1637604_at		FBgn0033771	1.345976604	0.052963438
1625259_at		FBgn0033990	1.442653669	0.046156526
1627761_at		FBgn0036930	-1.303821768	0.013989258
1629677_at		FBgn0037307	1.71778959	0.000548519
1639493_at		FBgn0038160	1.24289119	0.009137563
1632529_at		FBgn0038554	1.360051863	0.039816327
1623619_at		FBgn0038785	1.226262917	0.049227315
1635975_s_at		FBgn0047095	-2.793889573	0.008122123
1629152_at		FBgn0051451	-1.509532341	0.024952897
1634187_x_at		FBgn0052865	-1.459905514	0.010744784
1638885_at		FBgn0053318	1.440849849	0.022893722
1625210_a_at		FBgn0053715	-1.793964904	0.007671341
1632945_at		FBgn0053715	-1.712663434	0.011135308
1640120_at		FBgn0058088	1.539777257	0.043120325
1636506_at		FBgn0058116	1.203439265	0.024533035
1626876_x_at		FBgn0058119	3.252641154	0.010585201
1628441_at		FBgn0058138	1.314163702	0.001649063
1638402_at		FBgn0058195	1.265744896	0.024382415
1635837_at		FBgn0058203	1.536607109	0.03572456
1630520_s_at		FBgn0062961	4.006682894	0.00824837
1634348_s_at		FBgn0063127	3.77175683	0.02180397
1639912_x_at		FBgn0085816|	1.589112945	0.012399676

Supplemental Table 2. Differential Transcriptome Expression under Chronic Hypoxia

Ensembl_gene	Symbol	fold-hxnf_vs_nxnf	rawp-hxnf_vs_nxnf	ANNOTATION_SYMBOL
FBgn0020766	Aats-phe	1.756604456	0.002156119	CG13348
FBgn0038173	Adgf-C	1.472849373	0.015066396	CG9345
FBgn0039747	AdoR	1.859096908	0.002851497	CG9753
FBgn0086782	amn	1.551208848	0.036633941	CG11937
FBgn0000116	Argk	-1.424286483	0.018940332	CG32031
FBgn0020762	Atet	1.421956762	0.009253354	CG2969
FBgn0014135	bnl	2.900850381	4.59012E-05	CG4608
FBgn0026261	bonsai	-1.396615056	0.036226103	CG4207
FBgn0037963	Cad87A	-1.45868439	0.018409183	CG6977
FBgn0010014	CanB	-1.819650163	0.0162435	CG4209
FBgn0038147	CCHa2	1.541345755	0.041613151	CG14375
FBgn0039774	CDase	1.577631504	0.038761443	CG1471
FBgn0034644	CG10082	-1.505655021	0.042202252	CG10082
FBgn0039094	CG10184	-1.779832996	0.005130827	CG10184
FBgn0032685	CG10211	3.039460788	0.003554841	CG10211
FBgn0035452	CG10359	1.894178606	0.000922052	CG10359
FBgn0032717	CG10600	1.473997664	0.037631338	CG10600
FBgn0033830	CG10814	4.374498015	0.018509847	CG10814
FBgn0038621	CG10864	-1.506690978	0.01328557	CG10864
FBgn0037238	CG1090	1.990996966	0.019826095	CG1090
FBgn0036316	CG10960	1.593315817	0.004279334	CG10960
FBgn0039930	CG11077	1.321074623	0.044909705	CG11077
FBgn0034485	CG11099	-1.516384769	0.013424542	CG11099
FBgn0037290	CG1124	-1.587247412	0.003153429	CG1124
FBgn0031883	CG11266	1.330448538	0.049508661	CG11266
FBgn0034706	CG11275	1.487343702	0.03713404	CG11275
FBgn0031835	CG11319	-1.341448659	0.037514507	CG11319
FBgn0024366	CG11409	-1.385817832	0.038203216	CG11409
FBgn0039666	CG11501	12.13513385	0.016172735	CG11501
FBgn0040531	CG11741	2.469579338	0.006490359	CG11741
FBgn0039306	CG11859	1.372729852	0.020283367	CG11859
FBgn0037386	CG1208	-1.626331926	0.00860623	CG1208
FBgn0039419	CG12290	1.381558272	0.028090179	CG12290
FBgn0030676	CG12379	1.639267839	0.005350818	CG12379
FBgn0038202	CG12402	-1.715253984	0.025347521	CG12402
FBgn0031080	CG12655	-4.843743471	0.011494672	CG12655
FBgn0030666	CG12708	-1.762711731	0.036039826	CG12708
FBgn0037796	CG12814	1.584212973	0.014856817	CG12814
FBgn0033523	CG12895	-1.488366344	0.008692836	CG12895
FBgn0033481	CG12920	1.521630708	0.03553398	CG12920
FBgn0037078	CG12971	8.344122775	0.002015232	CG12971
FBgn0030826	CG12995	5.074124132	0.001449758	CG12995
FBgn0036589	CG13067	1.6487031	0.027771702	CG13067
FBgn0033736	CG13154	-1.572956583	0.012309947	CG13154
FBgn0033661	CG13185	1.396610454	0.040007789	CG13185
FBgn0036479	CG13458	-1.54538044	0.01866408	CG13458
FBgn0034670	CG13488	-1.813215931	0.047728254	CG13488
FBgn0034965	CG13568	-1.431016292	0.041376827	CG13568
FBgn0039161	CG13606	1.659687598	0.007261989	CG13606
FBgn0039232	CG13636	-2.000188241	0.038567173	CG13636
FBgn0035578	CG13707	-1.867093959	0.012680298	CG13707
FBgn0033353	CG13749	3.007895894	0.04788377	CG13749
FBgn0031939	CG13796	1.503181413	0.021075236	CG13796
FBgn0034486	CG13869	-1.510153478	0.021577734	CG13869
FBgn0025712	CG13920	-1.325206698	0.03208451	CG13920
FBgn0038695	CG14280	2.871928599	0.049016141	CG14280
FBgn0032900	CG14401	1.684439118	0.01952125	CG14401
FBgn0033464	CG1441	-2.703438786	0.001671382	CG1441
FBgn0039620	CG1443	1.896120163	0.007544902	CG1443
FBgn0037127	CG14566	24.60481479	0.000673327	CG14566
FBgn0062442	CG1458	-1.263534479	0.050314005	CG1458
FBgn0250821	CG14644	2.279779682	0.015490831	CG14644
FBgn0037288	CG14661	-1.471562212	0.021056609	CG14661
FBgn0037835	CG14687	-1.309725298	0.03772135	CG14687
FBgn0033274	CG14757	-1.59290378	0.00294812	CG14757
FBgn0027793	CG14787	1.800699291	0.036194753	CG14787
FBgn0026088	CG14818	1.386639701	0.01261673	CG14818
FBgn0035409	CG14963	1.691639399	0.017620406	CG14963
FBgn0035541	CG15019	1.302025584	0.049086644	CG15019
FBgn0030929	CG15043	4.103027645	0.025501972	CG15043
FBgn0030270	CG15199	-1.503063153	0.032481758	CG15199
FBgn0040718	CG15353	-1.795912955	0.048192124	CG15353

FBgn0039742	CG15528	-1.42002754	0.020928125	CG15528
FBgn0033224	CG1553	-1.681250327	0.046559184	CG1553
FBgn0031630	CG15629	2.425458087	0.017498492	CG15629
FBgn0038833	CG15696	2.168813039	0.028776792	CG15696
FBgn0030482	CG1673	1.43657987	0.039408844	CG1673
FBgn0028931	CG16863	-1.638142072	0.044200637	CG16863
FBgn0040972	CG16978	-1.672253644	0.011354206	CG16978
FBgn0035355	CG16985	-1.41992284	0.049247987	CG16985
FBgn0035144	CG17181	1.664873258	0.007993292	CG17181
FBgn0038761	CG17190	1.772972213	0.001871017	CG17190
FBgn0038850	CG17279	3.789265405	0.008709461	CG17279
FBgn0033802	CG17724	1.995814271	0.009676701	CG17724
FBgn0037433	CG17919	-1.346213528	0.035420274	CG17919
FBgn0030360	CG1806	-1.437974087	0.016771099	CG1806
FBgn0034382	CG18609	-1.285031179	0.046944763	CG18609
FBgn0026563	CG1979	-1.905862254	0.026097565	CG1979
FBgn0000299	Cg25C	1.627004558	0.016040515	CG4145
FBgn0031564	CG2816	2.575508795	0.012923107	CG2816
FBgn0040391	CG2854	2.662972187	0.045887888	CG2854
FBgn0029728	CG2861	-1.772992635	0.009207684	CG2861
FBgn0031474	CG2991	1.524170545	0.025590407	CG2991
FBgn0050108	CG30108	1.338761712	0.027008329	CG30108
FBgn0050178	CG30178	-1.559737835	0.027646483	CG30178
FBgn0050187	CG30187	1.447420176	0.018874813	CG30187
FBgn0043792	CG30427	-2.398672556	0.000858436	CG30427
FBgn0050488	CG30488	2.007831346	0.046788851	CG30488
FBgn0034816	CG3085	1.765827987	0.019919336	CG3085
FBgn0051051	CG31051	2.619220677	0.008371856	CG31051
FBgn0051103	CG31103	-1.300971956	0.050130837	CG31103
FBgn0051259	CG31259	1.982855941	0.00307454	CG31259
FBgn0051469	CG31469	1.471319306	0.037221399	CG31469
FBgn0051619	CG31619	2.399571576	0.011549691	CG31619
FBgn0051636	CG31636	1.408064989	0.042593573	CG31636
FBgn0051674	CG31674	-1.606935365	0.012639629	CG31674
FBgn0051675	CG31675	1.488779074	0.017520388	CG31675
FBgn0051821	CG31821	-2.31388699	0.000616759	CG31821
FBgn0051823	CG31823	-2.167615785	0.000648726	CG31823
FBgn0032079	CG31886	1.407916907	0.012170179	CG31886
FBgn0260479	CG31904	1.524167453	0.046676787	CG31904
FBgn0023525	CG3191	1.475543025	0.020147395	CG3191
FBgn0051974	CG31974	1.686586931	0.039477187	CG31974
FBgn0051997	CG31997	1.348914445	0.032896461	CG31997
FBgn0052037	CG32037	1.760790056	0.025134503	CG32037
FBgn0052055	CG32055	1.891039884	0.047811842	CG32055
FBgn0052170	CG32170	1.510284159	0.030685862	CG32170
FBgn0052373	CG32373	1.703252072	0.00480027	CG32373
FBgn0043783	CG32444	-1.573120712	0.028729136	CG32444
FBgn0052512	CG32512	1.628841318	0.004301027	CG32512
FBgn0052687	CG32687	1.549960132	0.024318092	CG32687
FBgn0053007	CG33007	1.597844983	0.039463007	CG33007
FBgn0053260	CG33260	1.918068063	0.002125822	CG33260
FBgn0053460	CG33460	1.615921207	0.030598324	CG33460
FBgn0034997	CG3376	1.384128621	0.035797359	CG3376
FBgn0061361	CG33786	1.504000528	0.025549779	CG33786
FBgn0035240	CG33791	-2.800073468	0.021678336	CG33791
FBgn0033095	CG3409	1.301979553	0.045353088	CG3409
FBgn0085201	CG34172	-1.46372073	0.005714684	CG34172
FBgn0085268	CG34239	-1.37782409	0.037539922	CG34239
FBgn0085285	CG34256	2.015194786	0.024069083	CG34256
FBgn0085356	CG34327	-1.962534072	0.005978005	CG34327
FBgn0085359	CG34330	14.19132417	8.47211E-07	CG34330
FBgn0085409	CG34380	2.42496528	0.002027705	CG34380
FBgn0085427	CG34398	1.789329151	0.003222758	CG34398
FBgn0085466	CG34437	1.801575543	0.041291731	CG34437
FBgn0085474	CG34445	-1.661652189	0.020918779	CG34445
FBgn0085475	CG34446	-1.449352273	0.031231466	CG34446
FBgn0085484	CG34455	-1.399776664	0.043551865	CG34455
FBgn0035039	CG3608	-1.413940409	0.024155063	CG3608
FBgn0036684	CG3764	1.619816494	0.010139409	CG3764
FBgn0058298	CG40298	-1.45841655	0.006478251	CG40298
FBgn0029791	CG4096	1.993194486	0.000390101	CG4096
FBgn0025627	CG4194	-1.720115898	0.003094633	CG4194
FBgn0259201	CG42305	-1.633622546	0.028186103	CG42305

FBgn0259219	CG42319	-1.590440713	0.006389404	CG42319
FBgn0259735	CG42389	1.385196785	0.046890855	CG42389
FBgn0259740	CG42394	-1.377146707	0.0471877	CG42394
FBgn0260645	CG42537	1.496210239	0.037860185	CG42537
FBgn0260965	CG42588	1.412560861	0.00926107	CG42588
FBgn0261555	CG42673	1.371518526	0.029275813	CG42673
FBgn0261611	CG42700	2.260245948	0.000788506	CG42700
FBgn0261859	CG42788	1.266419336	0.04518036	CG42788
FBgn0262508	CG43078	1.454919541	0.013975256	CG43078
FBgn0262539	CG43093	-1.615889287	0.010151624	CG43093
FBgn0262599	CG43129	-1.545506353	0.00476095	CG43129
FBgn0263029	CG43324	1.515852042	0.011256712	CG43324
FBgn0263031	CG43326	-1.379605771	0.042626651	CG43326
FBgn0035982	CG4461	2.183714046	0.001504375	CG4461
FBgn0033809	CG4630	-1.644504863	0.029078046	CG4630
FBgn0031307	CG4726	16.15526752	3.99493E-06	CG4726
FBgn0038774	CG5023	-1.663529133	0.001360794	CG5023
FBgn0039356	CG5039	1.4325958	0.036830917	CG5039
FBgn0034145	CG5065	2.400834776	0.003755616	CG5065
FBgn0031908	CG5177	-1.438469493	0.013581396	CG5177
FBgn0038484	CG5246	-3.592591105	0.018076699	CG5246
FBgn0038977	CG5376	-1.286540189	0.030787412	CG5376
FBgn0031327	CG5397	1.562089358	0.039619323	CG5397
FBgn0038052	CG5538	1.915140323	0.0217755	CG5538
FBgn0039527	CG5639	1.67283525	0.008475778	CG5639
FBgn0035948	CG5644	-1.689875307	0.033243448	CG5644
FBgn0032494	CG5945	-1.640433563	0.004826246	CG5945
FBgn0038083	CG5999	-2.31897795	0.009853387	CG5999
FBgn0036186	CG6071	1.555333736	0.041352822	CG6071
FBgn0026079	CG6133	1.502925263	0.042375799	CG6133
FBgn0036152	CG6175	1.301986111	0.028272815	CG6175
FBgn0038072	CG6225	-1.420576814	0.033649918	CG6225
FBgn0033872	CG6329	-1.619110884	0.009754124	CG6329
FBgn0034247	CG6484	-1.793179787	0.009754984	CG6484
FBgn0027550	CG6495	1.627270546	0.004440745	CG6495
FBgn0032298	CG6724	1.412480045	0.013352978	CG6724
FBgn0033562	CG6751	1.286271006	0.033309238	CG6751
FBgn0030878	CG6769	1.350602306	0.042524295	CG6769
FBgn0030884	CG6847	1.605913709	0.012346938	CG6847
FBgn0036240	CG6928	1.741227453	0.00289912	CG6928
FBgn0039000	CG6954	1.402464866	0.039668439	CG6954
FBgn0031971	CG7224	3.782029547	0.001663745	CG7224
FBgn0031970	CG7227	1.479772832	0.032919153	CG7227
FBgn0032283	CG7296	2.322119189	0.00619423	CG7296
FBgn0036939	CG7365	2.241409502	0.005063685	CG7365
FBgn0036179	CG7368	2.717003158	0.000230236	CG7368
FBgn0035689	CG7376	1.444377451	0.027527959	CG7376
FBgn0036763	CG7441	-1.307316209	0.041155641	CG7441
FBgn0036168	CG7512	1.491193048	0.044135387	CG7512
FBgn0027583	CG7601	-1.304211812	0.03456158	CG7601
FBgn0036145	CG7607	1.563997751	0.027005687	CG7607
FBgn0033633	CG7759	-1.407727401	0.023697964	CG7759
FBgn0040503	CG7763	-1.988401923	0.012649517	CG7763
FBgn0031008	CG8010	1.461776181	0.017141408	CG8010
FBgn0040832	CG8012	2.04680344	0.009844532	CG8012
FBgn0037607	CG8036	-1.254794212	0.049435349	CG8036
FBgn0038597	CG8064	1.481405719	0.008609471	CG8064
FBgn0033913	CG8468	1.517353752	0.022466017	CG8468
FBgn0035813	CG8492	-1.826225753	0.002022604	CG8492
FBgn0033734	CG8520	-1.445595582	0.029950162	CG8520
FBgn0038130	CG8630	4.240455557	0.007311341	CG8630
FBgn0033763	CG8646	8.414544042	4.28681E-05	CG8646
FBgn0031986	CG8673	-1.525045816	0.042325052	CG8673
FBgn0033257	CG8713	-1.542190852	0.004212869	CG8713
FBgn0027585	CG8740	1.400654873	0.021423917	CG8740
FBgn0033760	CG8785	2.104743266	0.003617353	CG8785
FBgn0033733	CG8834	7.067045105	0.021386086	CG8834
FBgn0034497	CG9090	-2.048454704	0.000770748	CG9090
FBgn0035192	CG9194	-1.730166012	0.005744439	CG9194
FBgn0032512	CG9305	1.390106781	0.030037051	CG9305
FBgn0030574	CG9413	1.315496306	0.025097982	CG9413
FBgn0030588	CG9521	16.83288445	1.92267E-05	CG9521
FBgn0038365	CG9593	1.563766379	0.005211486	CG9593

FBgn0036259	CG9760	-1.718786009	0.001846043	CG9760
FBgn0030737	CG9914	-2.59245931	0.024375098	CG9914
FBgn0030743	CG9921	-1.337958627	0.034444004	CG9921
FBgn0039593	CG9989	1.792893952	0.047222182	CG9989
FBgn0039594	CG9990	1.613719746	0.010584439	CG9990
FBgn0000337	cn	1.70028799	0.032111663	CG1555
FBgn0261612	Cng	1.663705601	0.006824019	CG42701
FBgn0021944	Coprox	1.503162066	0.030934637	CG3433
FBgn0033192	Corin	1.919774232	0.015417857	CG2105
FBgn0259173	corn	2.168697344	0.031189791	CG42278
FBgn0033728	Cpr49Ae	-3.75837877	0.002860523	CG8505
FBgn0050055	CR30055	-1.533275002	0.034343962	CR30055
FBgn0037309	CR31541	7.89231935	0.001058882	CR31541
FBgn0262107	CR42860	1.433542213	0.014588302	CR42860
FBgn0004396	CrebA	1.712585468	0.018263574	CG7450
FBgn0259938	cwo	1.654607302	0.043481198	CG17100
FBgn0038095	Cyp304a1	4.068321541	0.034044323	CG7241
FBgn0037601	Cyp313b1	2.567418072	0.00020794	CG9716
FBgn0030304	Cyp4g15	1.632810261	0.004012324	CG11715
FBgn0000473	Cyp6a2	2.243630581	0.041708203	CG9438
FBgn0031182	Cyp6t1	-1.628650702	0.022124784	CG1644
FBgn0033697	Cyp6t3	1.600657179	0.015415474	CG8457
FBgn0033659	Damm	3.400476653	0.027952056	CG18188
FBgn0010220	Dbp45A	1.423532993	0.024264746	CG12759
FBgn0262656	dm	1.615247967	0.006245791	CG10798
FBgn0035331	DmsR-1	1.448336867	0.038111743	CG8985
FBgn0000492	Dr	1.999485796	0.038076987	CG1897
FBgn0052282	dro4	-1.581566195	0.027323718	CG32282
FBgn0000557	Ef1alpha100E	1.627887955	0.005441144	CG1873
FBgn0033540	Elp2	1.483550045	0.030028733	CG11887
FBgn0261274	Ero1L	1.518027717	0.032579879	CG1333
FBgn0030092	fh	-2.002376493	0.023145498	CG8971
FBgn0053556	form3	1.523528895	0.018729713	CG33556
FBgn0025373	Fpps	2.779605549	7.85991E-05	CG12389
FBgn0026718	fu12	-1.410441879	0.029860954	CG17608
FBgn0028433	Ggamma30A	-1.56175301	0.011666776	Ggamma30A
FBgn0024963	GluClalpha	-1.926791566	0.033927781	CG7535
FBgn0020429	GluRIIB	1.588526087	0.023422729	CG7234
FBgn0046113	GluRIIC	1.316693382	0.043280331	CG4226
FBgn0051201	GluRIIE	1.821434576	0.002159246	CG31201
FBgn0015230	Glut3	21.08721137	0.014179048	CG3853
FBgn0029830	Grip	1.342582187	0.027578947	CG14447
FBgn0016660	H15	-1.521081696	0.031836444	CG6604
FBgn0001234	Hsromega	-1.657649563	0.011466171	CR31400
FBgn0014906	Hydr2	-1.39793477	0.02411559	CG3488
FBgn0028428	Ih	1.440405836	0.021163128	Ih
FBgn0044047	Ilp6	2.461373332	0.001607948	CG14049
FBgn0001258	ImpL3	8.68216235	5.34902E-06	CG10160
FBgn0011603	ine	1.749045974	0.004703017	CG15444
FBgn0086359	Invadolysin	-1.57021361	0.008288188	CG3953
FBgn0010053	Jheh1	-1.460195655	0.010029836	CG15101
FBgn0053182	Kdm4B	1.868298405	0.012705978	CG33182
FBgn0001301	kel	-1.506708733	0.015642246	CG7210
FBgn0026666	l(1)G0136	-1.386801098	0.017267139	CG8198
FBgn0261534	l(2)34Fc	-1.470515489	0.007686808	CG7532
FBgn0086447	l(2)37Cg	1.383628975	0.021329137	CG10685
FBgn0002526	LanA	1.497798338	0.041803047	CG10236
FBgn0025687	LKR	1.714891799	0.009843941	CG7144
FBgn0002563	Lsp1beta	-2.759721712	0.049364115	CG4178
FBgn0026207	mbo	-1.377976388	0.033210474	CG6819
FBgn0002772	Mlc1	-1.346548245	0.014906467	CG5596
FBgn0035335	mRpL23	-1.409467662	0.0188404	CG1320
FBgn0030686	mRpL3	-1.456191254	0.020868669	CG8288
FBgn0038923	mRpL35	-1.2753666	0.038458368	CG13410
FBgn0044030	mRpS14	-1.492330346	0.030546511	CG32531
FBgn0039159	mRpS24	-1.328526498	0.044140467	CG13608
FBgn0053548	msta	-2.630372867	0.004623744	CG33548
FBgn0038818	Nep4	-1.681996029	0.029766105	CG4058
FBgn0005771	noc	1.719101203	0.014703202	CG4491
FBgn0026197	noe	1.541303695	0.026389232	CG32172
FBgn0040717	Nplp4	-3.072329906	0.001220159	CG15361
FBgn0015777	nrv2	-1.429614263	0.00907558	CG9261
FBgn0032946	nrv3	1.510425912	0.029667713	CG8663

FBgn0046878	Obp83cd	2.101694497	0.041709639	CG15582
FBgn0046876	Obp83ef	1.953507422	0.0132833	CG31557
FBgn0039678	Obp99a	-2.78934003	0.009981159	CG18111
FBgn0050443	Opbp	1.316111095	0.041320371	CG30443
FBgn0037424	Osi15	2.667516517	0.026776277	CG1157
FBgn0035101	p130CAS	-1.550090387	0.045887471	CG1212
FBgn0037138	P5CDh1	-1.464236058	0.02689844	CG7145
FBgn0262728	Pal2	1.427757744	0.041573026	CG5472
FBgn0035977	PGRP-LF	1.782697709	0.027623916	CG4437
FBgn0039776	PH4alphaEFB	2.093525668	0.001191873	CG31022
FBgn0261015	Pif1A	1.257987724	0.046170119	CG42599
FBgn0038201	Pk1r	2.415446812	0.010562075	CG9918
FBgn0005626	ple	2.439671575	0.033962481	CG10118
FBgn0003118	pnt	1.495674072	0.037437305	CG17077
FBgn0002284	Pros26	-1.254114334	0.045607196	CG4097
FBgn0023175	Prosalpha7	-1.316327643	0.044480107	CG1519
FBgn0029134	Prosbeta5	-1.312179137	0.028402987	CG12323
FBgn0085407	Pvf3	1.486178488	0.045441332	CG34378
FBgn0035113	pyx	1.477823634	0.023161996	CG17142
FBgn0031882	Rab30	3.392068054	0.000989795	CG9100
FBgn0050296	RIC-3	-1.354193401	0.0135626	CG30296
FBgn0051719	RluA-1	-1.291118691	0.041283797	CG31719
FBgn0003278	RpI135	1.510379026	0.042956622	CG4033
FBgn0037742	Rpt3R	-1.61071838	0.016894708	CG9475
FBgn0039788	Rpt6R	1.969974172	0.018599491	CG2241
FBgn0260648	Rrp40	1.461924765	0.008845633	CG31938
FBgn0037815	Rrp46	1.622129984	0.007858871	CG4043
FBgn0015806	S6k	1.299114013	0.042767625	CG10539
FBgn0032330	Samuel	1.45882896	0.022020332	CG31868
FBgn0028991	seq	1.793506163	0.014227396	CG32904
FBgn0003390	shf	1.84271608	0.009034923	CG3135
FBgn0029761	SK	-1.410473698	0.031899565	CG10706
FBgn0051133	Slimp	-1.546576052	0.048159817	CG31133
FBgn0038257	smp-30	-2.352175241	0.00122931	CG7390
FBgn0065096	snmRNA:359	-1.271504701	0.040214712	CR33712
FBgn0065092	snmRNA:438	1.566039928	0.005197491	CR33660
FBgn0065064	RNA:Psi28S-:	1.694761778	0.016852893	CR33754
FBgn0003460	so	-1.411709482	0.023746117	CG11121
FBgn0010213	Sod2	-1.329871271	0.035342974	CG8905
FBgn0032178	Spn31A	-1.299449906	0.036299581	CG4804
FBgn0003482	spn-D	-1.958190473	0.047381306	CG31069
FBgn0032362	spz4	1.639752543	0.013572851	CG14928
FBgn0014388	sty	1.485862395	0.037946648	CG1921
FBgn0086450	su(r)	1.432408046	0.040296735	CG2194
FBgn0008654	Su(z)2	1.553840819	0.034698271	Su(z)2
FBgn0028675	Sur	-1.574521729	0.004548246	CG5772
FBgn0003651	svp	1.748106775	0.043460383	CG11502
FBgn0004359	T48	-1.335552473	0.029942354	CG5507
FBgn0014396	tim	2.430699823	0.028751114	CG3234
FBgn0035083	Tina-1	1.351826728	0.02002427	CG2803
FBgn0003716	tkv	1.353983068	0.049441966	CG14026
FBgn0039257	tnc	-1.878529407	0.04168883	CG13648
FBgn0261575	tobi	-2.268202852	0.013573012	CG11909
FBgn0004885	tok	1.385580401	0.027041434	CG6863
FBgn0003733	tor	-1.481712751	0.044016671	CG1389
FBgn0044812	TotC	3.510160586	0.023104864	CG31508
FBgn0031701	TotM	7.860207977	0.002409092	CG14027
FBgn0031692	TpnC25D	-1.402656865	0.016139137	CG6514
FBgn0032586	Tpr2	1.667655775	0.001350555	CG4599
FBgn0262139	trh	2.124076718	0.003437776	CG42865
FBgn0013263	Trl	1.315148843	0.031737137	CG33261
FBgn0033135	Tsp42En	1.867657966	0.005290482	CG12839
FBgn0010473	tutl	-1.82116718	0.045333229	CG15427
FBgn0045800	Uhg1	1.448493885	0.039573912	CR32886
FBgn0083123	Uhg5	1.419159542	0.038637861	CR42452
FBgn0040068	vav	1.930569798	0.002050116	CG7893
FBgn0041174	Vhl	1.963058899	0.001468923	CG13221
FBgn0016075	vkg	1.531824858	0.019652073	CG16858
FBgn0261563	wb	1.624693324	0.037929744	CG42677
FBgn0037750	Whamy	2.269574623	0.006967262	CG12946
FBgn0004606	zfh1	1.610535421	0.036631652	CG1322
FBgn0035432	ZnT63C	1.537713237	0.042940831	CG17723

Supplemental Table 3. Complete List of Genes depicted in Comparative Venn Analysis of Cardiac Gene Expression between Hypoxia-Selected (HS) flies and flies exposed to Chronic Hypoxia (CH) in Figure 2

420 - Select UP	557-Select Down	230-Chronic Up	339- Chronic Down	22- BOTH UP	22- BOTH CONTRA	50- BOTH DOWN
FBgn0036342	FBgn0030758	FBgn0033087	FBgn0263002	FBgn0051051	FBgn0039419	FBgn0037963
FBgn0028292	FBgn0042201	FBgn0037933	FBgn0040743	FBgn0039930	FBgn0052369	FBgn0051719
FBgn0040606	FBgn0036094	FBgn0016797	FBgn0050060	FBgn0031327	FBgn0038079	FBgn0043792
FBgn0032453	FBgn0003388	FBgn0036834	FBgn0086661	FBgn0035982	FBgn0011603	FBgn0033728
FBgn0037609	FBgn0001229	FBgn0037305	FBgn0038484	FBgn0041174	FBgn0259735	FBgn0037895
FBgn0014851	FBgn0050121	FBgn0019947	FBgn0085209	FBgn0046876	FBgn0051032	FBgn0037288
FBgn0266711	FBgn0035049	FBgn0032919	FBgn0264721	FBgn0085359	FBgn0001168	FBgn0000667
FBgn0259237	FBgn0261283	FBgn0028372	FBgn0263650	FBgn0023525	FBgn0035144	FBgn0031855
FBgn0058195	FBgn0262476	FBgn0000239	FBgn0033268	FBgn0053082	FBgn0014396	FBgn0037138
FBgn0028880	FBgn0050095	FBgn0039420	FBgn0036589	FBgn0035432	FBgn0014906	FBgn0027085
FBgn0051777	FBgn0038419	FBgn0041210	FBgn0039678	FBgn0030884	FBgn0052103	FBgn0033872
FBgn0025709	FBgn0261723	FBgn0036030	FBgn0051845	FBgn0261612	FBgn0262508	FBgn0033917
FBgn0259482	FBgn0033927	FBgn0030411	FBgn0033464	FBgn0038173	FBgn0261859	FBgn0014141
FBgn0085587	FBgn0035317	FBgn0264672	FBgn0032266	FBgn0000557	FBgn0033135	FBgn0002787
FBgn0030306	FBgn0033153	FBgn0026060	FBgn0032225	FBgn0039620	FBgn0004368	FBgn0262599
FBgn0052068	FBgn0000527	FBgn0029992	FBgn0002563	FBgn0038761	FBgn0085325	FBgn0051103
FBgn0039197	FBgn0260632	FBgn0030630	FBgn0038819	FBgn0030304	FBgn0035169	FBgn0033204
FBgn0017457	FBgn0005660	FBgn0037882	FBgn0030881	FBgn0031630	FBgn0010053	FBgn0034909
FBgn0036789	FBgn0040507	FBgn0010292	FBgn0040717	FBgn0037601	FBgn0026563	FBgn0259822
FBgn0028946	FBgn0036419	FBgn0021874	FBgn0038083	FBgn0040531	FBgn0043806	FBgn0039040
FBgn0034924	FBgn0024897	FBgn0051146	FBgn0261575	FBgn0052695	FBgn0026718	FBgn0025712
FBgn0003444	FBgn0039805	FBgn0034002	FBgn0051821	FBgn0031701	FBgn0040503	FBgn0035039
FBgn0264979	FBgn0086365	FBgn0036819	FBgn0038257			FBgn0051159
FBgn0058275	FBgn0034639	FBgn0038146	FBgn0034454			FBgn0028692
FBgn0261803	FBgn0053192	FBgn0039006	FBgn0051823			FBgn0035146
FBgn0030327	FBgn0037222	FBgn0030611	FBgn0037997			FBgn0000046
FBgn0053923	FBgn0260011	FBgn0036147	FBgn0037615			FBgn0028563
FBgn0025820	FBgn0010246	FBgn0051072	FBgn0039232			FBgn0053548
FBgn0021795	FBgn0039770	FBgn0010389	FBgn0034497			FBgn0032216
FBgn0267430	FBgn0034225	FBgn0038744	FBgn0039257			FBgn0015777
FBgn0035078	FBgn0004620	FBgn0025366	FBgn0038437			FBgn0026602
FBgn0004644	FBgn0264495	FBgn0015513	FBgn0038202			FBgn0039667
FBgn0024509	FBgn0260749	FBgn0028382	FBgn0085356			FBgn0032195
FBgn0039596	FBgn0044826	FBgn0032429	FBgn0035813			FBgn0000116
FBgn0029727	FBgn0039444	FBgn0086690	FBgn0035578			FBgn0025627
FBgn0004797	FBgn0262717	FBgn0024986	FBgn0035948			FBgn0033989
FBgn0033205	FBgn0260795	FBgn0011764	FBgn0013972			FBgn0028688
FBgn0023542	FBgn0015323	FBgn0030797	FBgn0036259			FBgn0005666
FBgn0052160	FBgn0036273	FBgn0025571	FBgn0052203			FBgn0031037
FBgn0052641	FBgn0014011	FBgn0031048	FBgn0034247			FBgn0085307
FBgn0051789	FBgn0026268	FBgn0021800	FBgn0034670			FBgn0028686
FBgn0033019	FBgn0053998	FBgn0032845	FBgn0001228			FBgn0030686
FBgn0260006	FBgn0036377	FBgn0003396	FBgn0010014			FBgn0034362
FBgn0050424	FBgn0260653	FBgn0032701	FBgn0033981			FBgn0250874
FBgn0036463	FBgn0003159	FBgn0021995	FBgn0040650			FBgn0032445
FBgn0037084	FBgn0023526	FBgn0024555	FBgn0051321			FBgn0039637
FBgn0038876	FBgn0086758	FBgn0030834	FBgn0035192			FBgn0032494
FBgn0032350	FBgn0004587	FBgn0261555	FBgn0034758			FBgn0023174
FBgn0051548	FBgn0010241	FBgn0035084	FBgn0039094			FBgn0028691
FBgn0034162	FBgn0265186	FBgn0263510	FBgn0037290			
FBgn0030575	FBgn0033388	FBgn0039627	FBgn0033224			
FBgn0085308	FBgn0085443	FBgn0013263	FBgn0264327			
FBgn0041630	FBgn0031306	FBgn0033095	FBgn0037386			
FBgn0033624	FBgn0027548	FBgn0044020	FBgn0029728			
FBgn0053054	FBgn0001112	FBgn0030574	FBgn0038774			
FBgn0040827	FBgn0003328	FBgn0015806	FBgn0085474			
FBgn0029828	FBgn0034381	FBgn0029885	FBgn0037742			
FBgn0034430	FBgn0001297	FBgn0031356	FBgn0051810			
FBgn0020643	FBgn0034253	FBgn0031678	FBgn0263847			
FBgn0037354	FBgn0004635	FBgn0031657	FBgn0262102			
FBgn0033101	FBgn0033649	FBgn0003716	FBgn0036629			
FBgn0034795	FBgn0032587	FBgn0086447	FBgn0038818			
FBgn0030027	FBgn0027790	FBgn0020493	FBgn0031182			
FBgn0013732	FBgn0086708	FBgn0035702	FBgn0004569			
FBgn0052579	FBgn0038733	FBgn0050443	FBgn0010473			
FBgn0023395	FBgn0020483	FBgn0020909	FBgn0000153			
FBgn0030528	FBgn0035379	FBgn0036152	FBgn0262539			
FBgn0037875	FBgn0030831	FBgn0250868	FBgn0259219			
FBgn0030590	FBgn0036881	FBgn0030343	FBgn0038621			
FBgn0003145	FBgn0035427	FBgn0035704	FBgn0040972			

FBgn0024994	FBgn0262733	FBgn0035083	FBgn0051450
FBgn0030425	FBgn0052183	FBgn0032512	FBgn0043783
FBgn0033081	FBgn0038959	FBgn0053987	FBgn0030092
FBgn0086677	FBgn0260945	FBgn0029830	FBgn0051674
FBgn0037419	FBgn0035434	FBgn0030716	FBgn0028931
FBgn0040487	FBgn0266452	FBgn0031883	FBgn0051133
FBgn0038321	FBgn0035205	FBgn0039218	FBgn0086359
FBgn0005626	FBgn0264442	FBgn0260942	FBgn0001301
FBgn0002775	FBgn0039686	FBgn0034691	FBgn0037330
FBgn0263116	FBgn0031758	FBgn0039306	FBgn0050178
FBgn0038198	FBgn0035544	FBgn0034997	FBgn0033257
FBgn0020385	FBgn0013279	FBgn0023214	FBgn0040993
FBgn0032132	FBgn0033518	FBgn0028979	FBgn0032849
FBgn0051465	FBgn0032981	FBgn0027453	FBgn0034485
FBgn0030394	FBgn0033391	FBgn0038735	FBgn0036479
FBgn0031417	FBgn0038638	FBgn0019948	FBgn0035309
FBgn0052278	FBgn0036116	FBgn0010220	FBgn0261534
FBgn0040559	FBgn0264090	FBgn0030878	FBgn0033085
FBgn0086371	FBgn0014863	FBgn0051997	FBgn0052082
FBgn0036277	FBgn0085246	FBgn0052529	FBgn0016660
FBgn0051075	FBgn0267487	FBgn0262728	FBgn0034644
FBgn0058359	FBgn0085261	FBgn0035689	FBgn0039932
FBgn0035166	FBgn0033177	FBgn0026088	FBgn0033274
FBgn0036150	FBgn0027341	FBgn0027585	FBgn0028675
FBgn0047135	FBgn0026582	FBgn0021875	FBgn0052282
FBgn0033466	FBgn0024277	FBgn0004885	FBgn0001234
FBgn0259745	FBgn0045442	FBgn0033661	FBgn0003733
FBgn0004629	FBgn0032699	FBgn0039000	FBgn0040634
FBgn0032015	FBgn0034903	FBgn0035888	FBgn0058298
FBgn0034202	FBgn0262636	FBgn0032298	FBgn0050055
FBgn0033247	FBgn0034406	FBgn0027654	FBgn0035355
FBgn0038803	FBgn0035159	FBgn0033540	FBgn0001992
FBgn0053194	FBgn0035627	FBgn0032079	FBgn0033734
FBgn0037127	FBgn0026015	FBgn0020762	FBgn0050196
FBgn0029929	FBgn0033928	FBgn0035158	FBgn0037923
FBgn0035091	FBgn0259187	FBgn0263029	FBgn0085201
FBgn0003300	FBgn0260943	FBgn0029525	FBgn0034564
FBgn0037678	FBgn0053523	FBgn0083123	FBgn0039159
FBgn0037000	FBgn0259108	FBgn0038597	FBgn0044030
FBgn0085290	FBgn0051140	FBgn0031008	FBgn0264437
FBgn0032231	FBgn0266429	FBgn0037815	FBgn0000635
FBgn0027951	FBgn0260744	FBgn0031970	FBgn0030883
FBgn0263077	FBgn0263354	FBgn0014388	FBgn0044823
FBgn0034198	FBgn0053110	FBgn0000395	FBgn0030270
FBgn0016131	FBgn0039495	FBgn0030334	FBgn0026315
FBgn0031974	FBgn0033926	FBgn0039829	FBgn0038072
FBgn0050096	FBgn0036659	FBgn0026079	FBgn0034965
FBgn0034761	FBgn0259481	FBgn0031939	FBgn0032857
FBgn0052383	FBgn0259164	FBgn0261274	FBgn0033633
FBgn0050010	FBgn0032116	FBgn0030676	FBgn0035402
FBgn0029709	FBgn0039759	FBgn0031474	FBgn0031908
FBgn0036337	FBgn0035829	FBgn0052170	FBgn0003231
FBgn0037298	FBgn0001226	FBgn0032717	FBgn0026207
FBgn0046692	FBgn0000256	FBgn0008654	FBgn0031692
FBgn0031563	FBgn0267795	FBgn0034010	FBgn0038977
FBgn0034489	FBgn0024997	FBgn0260648	FBgn0004359
FBgn0052570	FBgn0051200	FBgn0021944	FBgn0001217
FBgn0003867	FBgn0034697	FBgn0051675	FBgn0032644
FBgn0250820	FBgn0033448	FBgn0053556	FBgn0026261
FBgn0250907	FBgn0038475	FBgn0003278	FBgn0039742
FBgn0024980	FBgn0264894	FBgn0032330	FBgn0050104
FBgn0033799	FBgn0086347	FBgn0036145	FBgn0003460
FBgn0003312	FBgn0035170	FBgn0039356	FBgn0085484
FBgn0004055	FBgn0005561	FBgn0003888	FBgn0035335
FBgn0029823	FBgn0046875	FBgn0034706	FBgn0262567
FBgn0035187	FBgn0036688	FBgn0003137	FBgn0010395
FBgn0035392	FBgn0014018	FBgn0002526	FBgn0052100
FBgn0033835	FBgn0010397	FBgn0050187	FBgn0028433
FBgn0036105	FBgn0001321	FBgn0016075	FBgn0026666
FBgn0038771	FBgn0003089	FBgn0003118	FBgn0034655
FBgn0034539	FBgn0051973	FBgn0020429	FBgn0250843

FBgn0034423	FBgn0263132	FBgn0052687	FBgn0016697
FBgn0026737	FBgn0085438	FBgn0061361	FBgn0037841
FBgn0003116	FBgn0022772	FBgn0260026	FBgn0038975
FBgn0040733	FBgn0010620	FBgn0039161	FBgn0035344
FBgn0030592	FBgn0036772	FBgn0036770	FBgn0033523
FBgn0259697	FBgn0032139	FBgn0036316	FBgn0038961
FBgn0061492	FBgn0039897	FBgn0003651	FBgn0260779
FBgn0014000	FBgn0011224	FBgn0052512	FBgn0030743
FBgn0066293	FBgn0243512	FBgn0028420	FBgn0031835
FBgn0036586	FBgn0013278	FBgn0261563	FBgn0033480
FBgn0030737	FBgn0032684	FBgn0027550	FBgn0039145
FBgn0040491	FBgn0262866	FBgn0039594	FBgn0001216
FBgn0037684	FBgn0264848	FBgn0033913	FBgn0035122
FBgn0037850	FBgn0004512	FBgn0004606	FBgn0038923
FBgn0034331	FBgn0051064	FBgn0000299	FBgn0011296
FBgn0263256	FBgn0086906	FBgn0037796	FBgn0050106
FBgn0037013	FBgn0036101	FBgn0039527	FBgn0033652
FBgn0058138	FBgn0024963	FBgn0262656	FBgn0036570
FBgn0036820	FBgn0022770	FBgn0000337	FBgn0015283
FBgn0030775	FBgn0038695	FBgn0036684	FBgn0050296
FBgn0038742	FBgn0036880	FBgn0032900	FBgn0037822
FBgn0031049	FBgn0040281	FBgn0259938	FBgn0002772
FBgn0031694	FBgn0259937	FBgn0030520	FBgn0023129
FBgn0265276	FBgn0053299	FBgn0005771	FBgn0037433
FBgn0037801	FBgn0037709	FBgn0028991	FBgn0029665
FBgn0030925	FBgn0033698	FBgn0032586	FBgn0085271
FBgn0263143	FBgn0004880	FBgn0033697	FBgn0030692
FBgn0036992	FBgn0015376	FBgn0025687	FBgn0037835
FBgn0028499	FBgn0038752	FBgn0052373	FBgn0032400
FBgn0023535	FBgn0035245	FBgn0004396	FBgn0004066
FBgn0036459	FBgn0032895	FBgn0038365	FBgn0038610
FBgn0037420	FBgn0050163	FBgn0259236	FBgn0036763
FBgn0051683	FBgn0011828	FBgn0020766	FBgn0036454
FBgn0033320	FBgn0259730	FBgn0027793	FBgn0038839
FBgn0040373	FBgn0265003	FBgn0082962	FBgn0026741
FBgn0038172	FBgn0028962	FBgn0003390	FBgn0023175
FBgn0031561	FBgn0260486	FBgn0036240	FBgn0032922
FBgn0035401	FBgn0033110	FBgn0065064	FBgn0037481
FBgn0040364	FBgn0010452	FBgn0039788	FBgn0032798
FBgn0031268	FBgn0039266	FBgn0085427	FBgn0039741
FBgn0004777	FBgn0031973	FBgn0053182	FBgn0029134
FBgn0002645	FBgn0041243	FBgn0035977	FBgn0039861
FBgn0030122	FBgn0051219	FBgn0000492	FBgn0051122
FBgn0033945	FBgn0039323	FBgn0051201	FBgn0011476
FBgn0058191	FBgn0086443	FBgn0053460	FBgn0010213
FBgn0038105	FBgn0005586	FBgn0035113	FBgn0037619
FBgn0027334	FBgn0037730	FBgn0040736	FBgn0039207
FBgn0085413	FBgn0067102	FBgn0037385	FBgn0032178
FBgn0051720	FBgn0036333	FBgn0051259	FBgn0034733
FBgn0030665	FBgn0038958	FBgn0035452	FBgn0035624
FBgn0053276	FBgn0038201	FBgn0039747	FBgn0032935
FBgn0036157	FBgn0033654	FBgn0029791	FBgn0040259
FBgn0013773	FBgn0016081	FBgn0264652	FBgn0036987
FBgn0036549	FBgn0063649	FBgn0085409	FBgn0033961
FBgn0052694	FBgn0003149	FBgn0262139	FBgn0026324
FBgn0031766	FBgn0034005	FBgn0033192	FBgn0016691
FBgn0264325	FBgn0029720	FBgn0053260	FBgn0035805
FBgn0030307	FBgn0039896	FBgn0262107	FBgn0037102
FBgn0032281	FBgn0031950	FBgn0027360	FBgn0034382
FBgn0002863	FBgn0033889	FBgn0052055	FBgn0036028
FBgn0032084	FBgn0011695	FBgn0039776	FBgn0031247
FBgn0003248	FBgn0034517	FBgn0046878	FBgn0039339
FBgn0063485	FBgn0027561	FBgn0040068	FBgn0263697
FBgn0033000	FBgn0026404	FBgn0261611	FBgn0030786
FBgn0034726	FBgn0001224	FBgn0082995	FBgn0033816
FBgn0052398	FBgn0038721	FBgn0013342	FBgn0017567
FBgn0036271	FBgn0043854	FBgn0036939	FBgn0085475
FBgn0036126	FBgn0024273	FBgn0032283	FBgn0037515
FBgn0039855	FBgn0013563	FBgn0034145	FBgn0038922
FBgn0033821	FBgn0034281	FBgn0259173	FBgn0023540
FBgn0039915	FBgn0035501	FBgn0044047	FBgn0003721

FBgn0032896	FBgn0031688	FBgn0025373	FBgn0039835
FBgn0030026	FBgn0031302	FBgn0032685	FBgn0035942
FBgn0083945	FBgn0033129	FBgn0014135	FBgn0261394
FBgn0039629	FBgn0001230	FBgn0083015	FBgn0032884
FBgn0034512	FBgn0034486	FBgn0083039	FBgn0038816
FBgn0031460	FBgn0040496	FBgn0031971	FBgn0035851
FBgn0035859	FBgn0040297	FBgn0031882	FBgn0040899
FBgn0025583	FBgn0036278	FBgn0263586	FBgn0030554
FBgn0032076	FBgn0010786	FBgn0033830	FBgn0040271
FBgn0011740	FBgn0015372	FBgn0033802	FBgn0027583
FBgn0243511	FBgn0052311	FBgn0030826	FBgn0039588
FBgn0087021	FBgn0085412	FBgn0086603	FBgn0029858
FBgn0036847	FBgn0003513	FBgn0086660	FBgn0037607
FBgn0261990	FBgn0266268	FBgn0082987	FBgn0034027
FBgn0034365	FBgn0035315	FBgn0037309	FBgn0004110
FBgn0085253	FBgn0037275	FBgn0033763	FBgn0015282
FBgn0036492	FBgn0036324	FBgn0001258	FBgn0010590
FBgn0032287	FBgn0039831	FBgn0031307	FBgn0035517
FBgn0014455	FBgn0022787		FBgn0028693
FBgn0038512	FBgn0016650		FBgn0015577
FBgn0039690	FBgn0038730		FBgn0034919
FBgn0050503	FBgn0031450		FBgn0036726
FBgn0037973	FBgn0266719		FBgn0033179
FBgn0052845	FBgn0032260		FBgn0030360
FBgn0030078	FBgn0027660		FBgn0034923
FBgn0011802	FBgn0041150		FBgn0035241
FBgn0019932	FBgn0034177		FBgn0039914
FBgn0038858	FBgn0001291		FBgn0004903
FBgn0033760	FBgn0020620		FBgn0031286
FBgn0030272	FBgn0266566		FBgn0002284
FBgn0001323	FBgn0036207		FBgn0062442
FBgn0002577	FBgn0034401		FBgn0001991
FBgn0030073	FBgn0264953		FBgn0029801
FBgn0030351	FBgn0041582		FBgn0085257
FBgn0020622	FBgn0040475		FBgn0030679
FBgn0004811	FBgn0004507		FBgn0032222
FBgn0054003	FBgn0262169		FBgn0035708
FBgn0020513	FBgn0033970		FBgn0016038
FBgn0030060	FBgn0031888		FBgn0034310
FBgn0051084	FBgn0035767		FBgn0260857
FBgn0001089	FBgn0032470		FBgn0026380
FBgn0028988	FBgn0035830		FBgn0261396
FBgn0038878	FBgn0261938		FBgn0035679
FBgn0000233	FBgn0034989		FBgn0039259
FBgn0015714	FBgn0037238		FBgn0032290
FBgn0034507	FBgn0020647		FBgn0029529
FBgn0038302	FBgn0038376		FBgn0033208
FBgn0035085	FBgn0030562		FBgn0004363
FBgn0261797	FBgn0016693		FBgn0032511
FBgn0033366	FBgn0033723		FBgn0039223
FBgn0032020	FBgn0039007		FBgn0035981
FBgn0037230	FBgn0033484		FBgn0002773
FBgn0031560	FBgn0261260		FBgn0024985
FBgn0029804	FBgn0261811		FBgn0033100
FBgn0259716	FBgn0263456		FBgn0264489
FBgn0039118	FBgn0032911		FBgn0032031
FBgn0058088	FBgn0001083		FBgn0020369
FBgn0035131	FBgn0034543		FBgn0039881
FBgn0035076	FBgn0052677		FBgn0028695
FBgn0037885	FBgn0014380		FBgn0086370
FBgn0034143	FBgn0019890		FBgn0028685
FBgn0033439	FBgn0032707		FBgn0028954
FBgn0030839	FBgn0000567		FBgn0261014
FBgn0050441	FBgn0039789		FBgn0033891
FBgn0038681	FBgn0040273		FBgn0031544
FBgn0038068	FBgn0037534		FBgn0033187
FBgn0000592	FBgn0001565		FBgn0033669
FBgn0058178	FBgn0020389		FBgn0032596
FBgn0029768	FBgn0029689		FBgn0015776
FBgn0039343	FBgn0039882		FBgn0011770
FBgn0029924	FBgn0034070		FBgn0037232

FBgn0030451	FBgn0035157	FBgn0036546
FBgn0044872	FBgn0034030	FBgn0029503
FBgn0032382	FBgn0001225	FBgn0037749
FBgn0036168	FBgn0261565	FBgn0028690
FBgn0054054	FBgn0034938	FBgn0032234
FBgn0032658	FBgn0036768	FBgn0041789
FBgn0016047	FBgn0001150	FBgn0031670
FBgn0029863	FBgn0250791	FBgn0028622
FBgn0010039	FBgn0052843	FBgn0037018
FBgn0039748	FBgn0031031	FBgn0001995
FBgn0034511	FBgn0001977	FBgn0259725
FBgn0033451	FBgn0263973	FBgn0038569
FBgn0032000	FBgn0261548	FBgn0033005
FBgn0025740	FBgn0036769	FBgn0263983
FBgn0010041	FBgn0259176	FBgn0030403
FBgn0037167	FBgn0035906	FBgn0029594
FBgn0086691	FBgn0030186	FBgn0027865
FBgn0032420	FBgn0250869	FBgn0038143
FBgn0044011	FBgn0019952	FBgn0262562
FBgn0039099	FBgn0031645	FBgn0037670
FBgn0010398	FBgn0035640	FBgn0039153
FBgn0264776	FBgn0034577	FBgn0038519
FBgn0053307	FBgn0039131	FBgn0052699
FBgn0085816	FBgn0021760	FBgn0263606
FBgn0036146	FBgn0016794	FBgn0038462
FBgn0052115	FBgn0267252	FBgn0032455
FBgn0004554	FBgn0035802	FBgn0011335
FBgn0028418	FBgn0262000	FBgn0032217
FBgn0038795	FBgn0031058	FBgn0034072
FBgn0050151	FBgn0051815	FBgn0066114
FBgn0064237	FBgn0037060	FBgn0026080
FBgn0264815	FBgn0051658	FBgn0011016
FBgn0052212	FBgn0029930	FBgn0001125
FBgn0052228	FBgn0036986	FBgn0004028
FBgn0034276	FBgn0039054	FBgn0028648
FBgn0039241	FBgn0039483	FBgn0036843
FBgn0051556	FBgn0034181	FBgn0044510
FBgn0037696	FBgn0035521	FBgn0250732
FBgn0027521	FBgn0029814	FBgn0035252
FBgn0035880	FBgn0031850	FBgn0004432
FBgn0036660	FBgn0035164	FBgn0033062
FBgn0032834	FBgn0039187	FBgn0035911
FBgn0041710	FBgn0004901	FBgn0031057
FBgn0038598	FBgn0010497	FBgn0015571
FBgn0030926	FBgn0028394	FBgn0010551
FBgn0015872	FBgn0263598	FBgn0025700
FBgn0030348	FBgn0023181	FBgn0086605
FBgn0040509	FBgn0035954	FBgn0028684
FBgn0033644	FBgn0039809	FBgn0033812
FBgn0262719	FBgn0001186	FBgn0029676
FBgn0250904	FBgn0013759	FBgn0261353
FBgn0039613	FBgn0050279	FBgn0028687
FBgn0000473	FBgn0000014	FBgn0011202
FBgn0264560	FBgn0033303	FBgn0250746
FBgn0030510	FBgn0037890	FBgn0033916
FBgn0039593	FBgn0030163	FBgn0031600
FBgn0013949	FBgn0036282	
FBgn0039073	FBgn0052813	
FBgn0052407	FBgn0038641	
FBgn0038130	FBgn0051038	
FBgn0023520	FBgn0261570	
FBgn0036529	FBgn0035246	
FBgn0051677	FBgn0027866	
FBgn0040377	FBgn0002922	
FBgn0030558	FBgn0038181	
FBgn0040734	FBgn0051451	
FBgn0030347	FBgn0002069	
FBgn0085354	FBgn0020653	
FBgn0015038	FBgn0019960	
FBgn0026144	FBgn0014032	
FBgn0032726	FBgn0086442	

FBgn0058119	FBgn0020521
FBgn0052368	FBgn0035208
FBgn0037975	FBgn0085407
FBgn0037389	FBgn0262593
FBgn0051826	FBgn0032024
FBgn0032336	FBgn0033578
FBgn0042129	FBgn0039523
FBgn0034329	FBgn0041096
FBgn0040582	FBgn0038180
FBgn0050083	FBgn0260936
FBgn0037424	FBgn0039820
FBgn0267585	FBgn0028487
FBgn0000079	FBgn0051781
FBgn0033683	FBgn0032264
FBgn0085453	FBgn0028496
FBgn0050098	FBgn0028467
FBgn0040532	FBgn0039346
FBgn0035903	FBgn0263974
FBgn0032801	FBgn0034618
FBgn0035608	FBgn0263602
FBgn0033139	FBgn0027082
FBgn0058115	FBgn0263980
FBgn0263396	FBgn0034049
FBgn0040964	FBgn0266411
FBgn0023090	FBgn0036364
FBgn0053459	FBgn0261262
FBgn0039486	FBgn0053513
FBgn0035154	FBgn0036180
FBgn0044810	FBgn0043900
FBgn0031558	FBgn0036690
FBgn0010043	FBgn0037845
FBgn0051248	FBgn0086346
FBgn0039239	FBgn0039758
FBgn0260855	FBgn0038285
FBgn0035725	FBgn0038294
FBgn0030369	FBgn0034688
FBgn0033174	FBgn0002021
FBgn0035670	FBgn0259226
FBgn0039297	FBgn0033426
FBgn0034354	FBgn0051344
FBgn0061209	FBgn0033827
FBgn0260959	FBgn0262614
FBgn0030105	FBgn0036876
FBgn0062928	FBgn0034259
FBgn0035806	FBgn0002733
FBgn0267339	FBgn0028689
FBgn0051606	FBgn0034860
FBgn0053474	FBgn0265002
FBgn0053510	FBgn0031716
FBgn0053503	FBgn0002936
FBgn0050090	FBgn0024352
FBgn0040832	FBgn0050263
FBgn0054021	FBgn0004907
FBgn0037396	FBgn0036576
FBgn0039900	FBgn0267337
FBgn0062961	FBgn0086655
FBgn0034328	FBgn0039107
FBgn0036125	FBgn0083979
FBgn0005670	FBgn0026756
FBgn0036972	FBgn0038925
FBgn0267363	FBgn0035824
FBgn0053093	FBgn0038871
FBgn0038914	FBgn0028421
FBgn0027584	FBgn0037360
FBgn0013772	FBgn0036510
FBgn0052483	FBgn0004876
	FBgn0033408
	FBgn0039665
	FBgn0037207
	FBgn0086362
	FBgn0024556

FBgn0035424
FBgn0013811
FBgn0016698
FBgn0010424
FBgn0037203
FBgn0052418
FBgn0038649
FBgn0015320
FBgn0032790
FBgn0259721
FBgn0031528
FBgn0035715
FBgn0003257
FBgn0032818
FBgn0037293
FBgn0053969
FBgn0264449
FBgn0038238
FBgn0015019
FBgn0002441
FBgn0029920
FBgn0259818
FBgn0035313
FBgn0032168
FBgn0004118
FBgn0000083
FBgn0259174
FBgn0003890
FBgn0033447
FBgn0031772
FBgn0034392
FBgn0259215
FBgn0039681
FBgn0061469
FBgn0037819
FBgn0011288
FBgn0028746
FBgn0050502
FBgn0033853
FBgn0020391
FBgn0035904
FBgn0045862
FBgn0034982
FBgn0032811
FBgn0058211
FBgn0085208
FBgn0034792
FBgn0053527
FBgn0030915
FBgn0032961
FBgn0000210
FBgn0034067
FBgn0038170
FBgn0263025
FBgn0013812
FBgn0031765
FBgn0265998
FBgn0033226
FBgn0265042
FBgn0035769
FBgn0027329
FBgn0036117
FBgn0035243
FBgn0037698
FBgn0038402
FBgn0040493
FBgn0040636
FBgn0266673
FBgn0003887
FBgn0039111
FBgn0036762

FBgn0035333
FBgn0037566
FBgn0030552
FBgn0031321
FBgn0029719
FBgn0053180
FBgn0027090
FBgn0261243
FBgn0262870
FBgn0046247
FBgn0038870
FBgn0085346
FBgn0030482
FBgn0029971
FBgn0032147
FBgn0259145
FBgn0039403
FBgn0264443
FBgn0085414
FBgn0027596
FBgn0036764
FBgn0033918
FBgn0039909
FBgn0035046
FBgn0033713
FBgn0026619
FBgn0040228
FBgn0014143
FBgn0013983
FBgn0042174
FBgn0039319
FBgn0027287
FBgn0036036
FBgn0261244
FBgn0031771
FBgn0015247
FBgn0085383
FBgn0085390
FBgn0027779
FBgn0027615
FBgn0037913
FBgn0031912
FBgn0033905
FBgn0031100
FBgn0266064
FBgn0261356
FBgn0003884
FBgn0003174
FBgn0032393
FBgn0023001
FBgn0036728
FBgn0001316
FBgn0033241
FBgn0267376
FBgn0031651
FBgn0030672
FBgn0086532
FBgn0260944
FBgn0002567
FBgn0264694
FBgn0052683