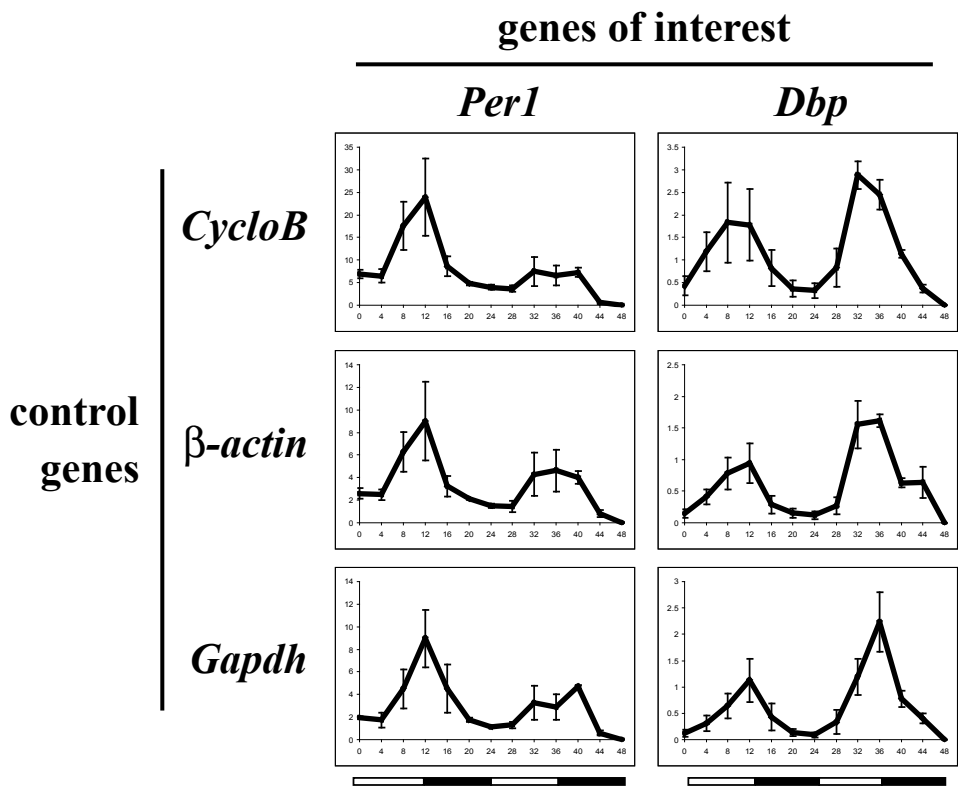
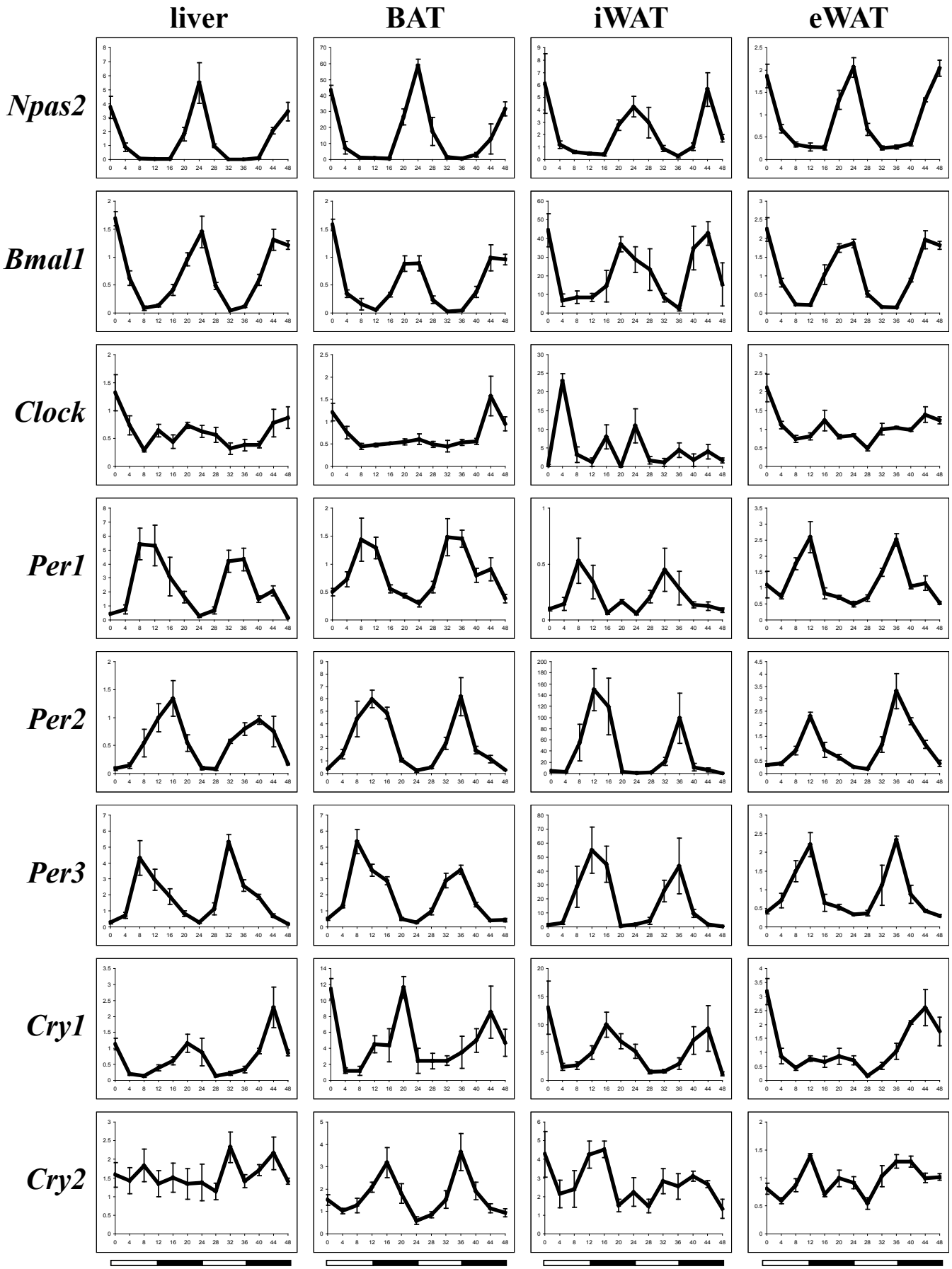
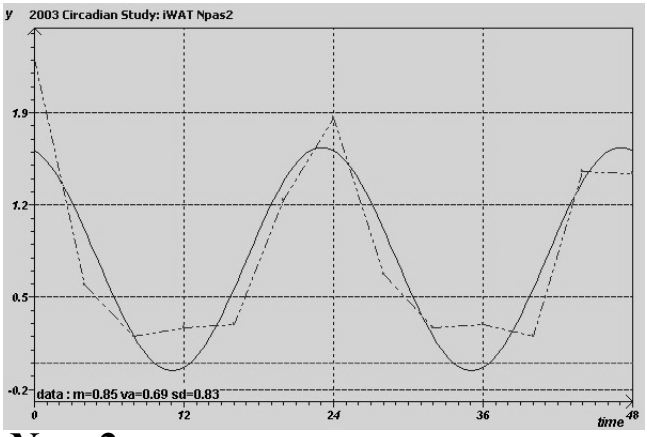


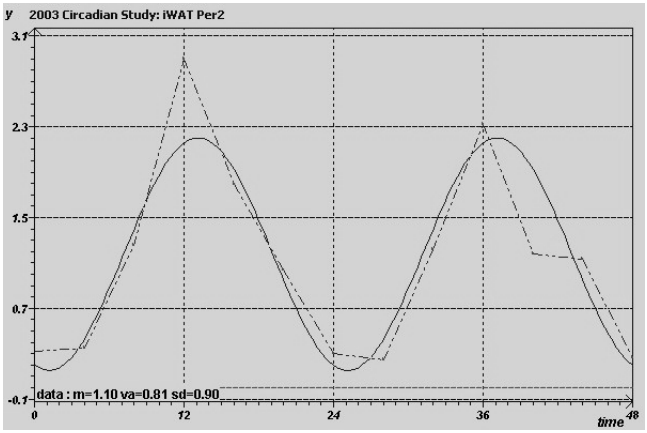
Supplemental Figure 1



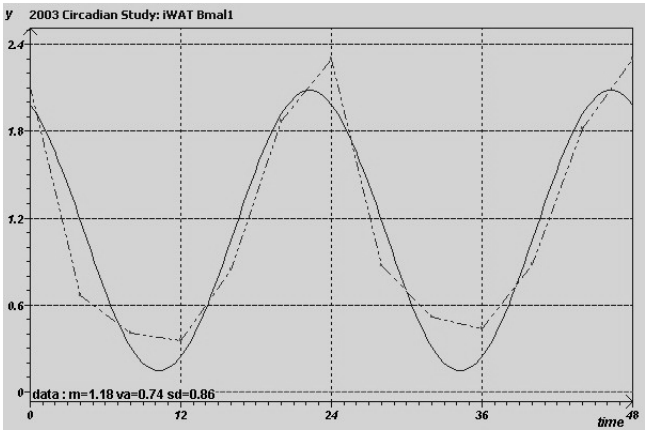
Supplemental Figure 2



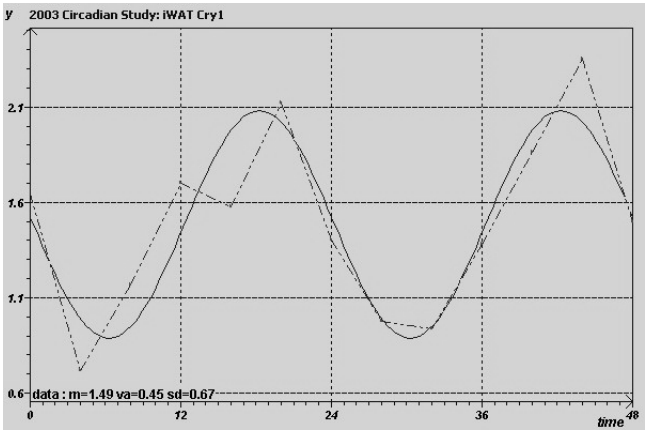
Npas2



Per2

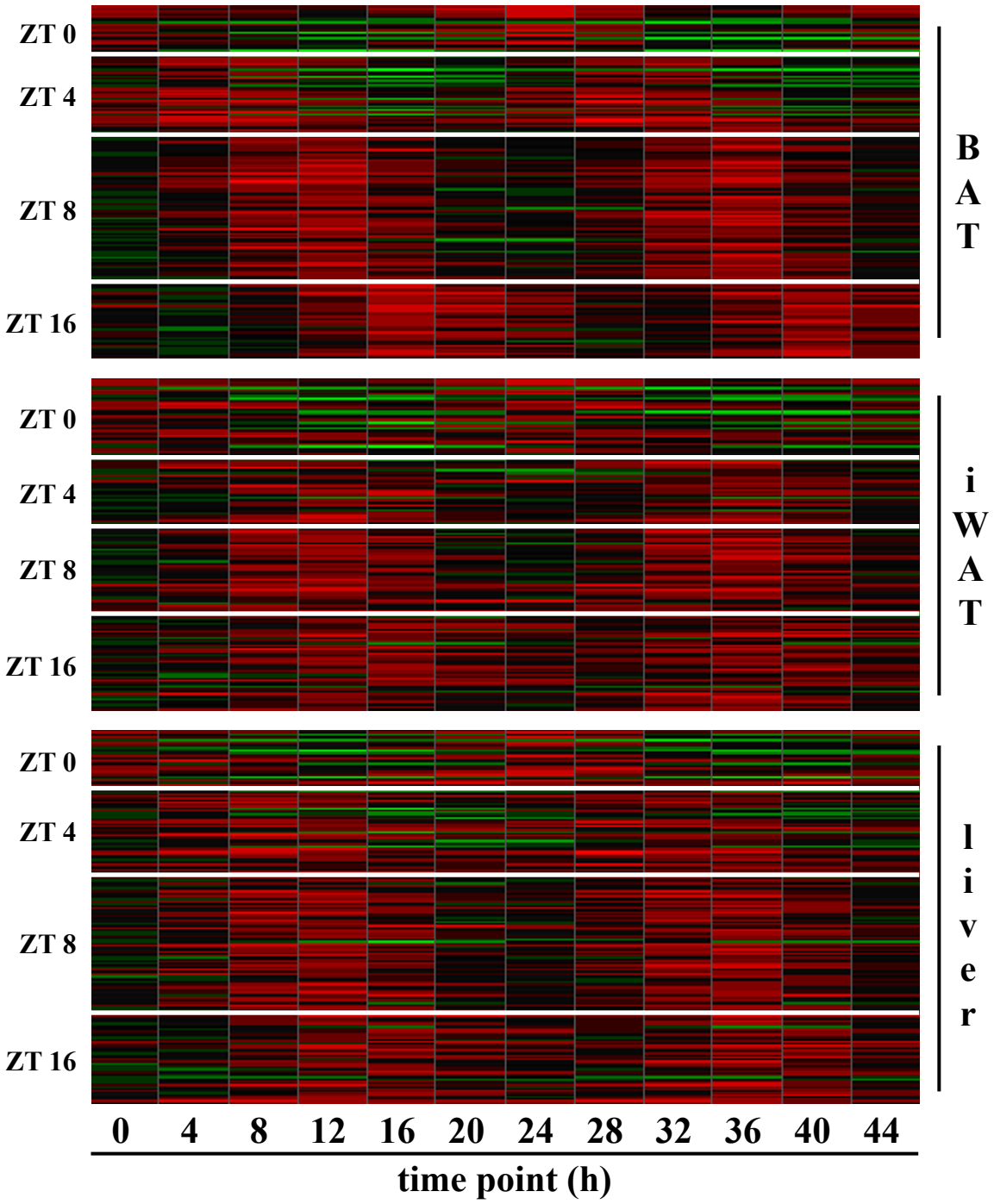


Bmal1



Cry1

Supplemental Figure 3



Supplemental Figure 4

PRIMER	SEQUENCE
mus_*Arnt*_fwd	TCGTTCATCTGCCGCATGA
mus_*Arnt*_rev	TTCACAGAGCCAAGCCCATTC
mus_*Bmal1*_fwd	AACCTTCCCGCAGCTAACAG
mus_*Bmal1*_rev	AGTCCTCTTTGGGCCACCTT
mus_*Clock*_fwd	GGCGTTGTTGATTGGACTAGG
mus_*Clock*_rev	GAATGGAGTCTCCAACACCCA
mus_*Cry1*_fwd	AGGAGGACAGATCCCAATGGA
mus_*Cry1*_rev	GCAACCTTCTGGATGCCTTCT
mus_*Cry2*_fwd	AGCTGATGTGTTCCCAAGGCT
mus_*Cry2*_rev	CATAATGGCTGCATCCCGTT
mus_*Cyclo B*_fwd	GGTGGAGAGCACCAAGACAGA
mus_*Cyclo B*_rev	GCCGGAGTCGACAATGATG
mus_*Dbp*_fwd	GGAACTGAAGCCTCAACCAATC
mus_*Dbp*_rev	CTCCGGCTCCAGTACTTCTCA
mus_*E4bp4*_fwd	AGAACCACGATAACCCATGAAAG
mus_*E4bp4*_rev	GACTTCAGCCTCTCATCCATCAA
mus_*Id2*_fwd	AGGCATCTGAATTCCCTTCTGA
mus_*Id2*_rev	AGTCCCCAAATGCCATTTATTTAG
mus_*Npas2*_fwd	ACGCAGATGTTCGAGTGGAAA
mus_*Npas2*_rev	CGCCCATGTCAAGTGCATT
mus_*Per1*_fwd	CCAGATTGGTGGAGGTTACTGAGT
mus_*Per1*_rev	GCGAGAGTCTTCTTGGAGCAGTAG
mus_*Per2*_fwd	AGAACGCGGATATGTTTGCTG
mus_*Per2*_rev	ATCTAAGCCGCTGCACACACT
mus_*Per3*_fwd	CCGCCCCTACAGTCAGAAAG
mus_*Per3*_rev	GCCCCACGTGCTTAAATCCT
mus_*Rev-erbα*_fwd	CCCTGGACTCCAATAACAACACA
mus_*Rev-erbα*_rev	GCCATTGGAGCTGTCACTGTAG
mus_*Rev-erbβ*_fwd	GGAACGGACCGTCACCTTT
mus_*Rev-erbβ*_rev	TCCCCTGCTCCCATTGAGT
mus_*Stra13*_fwd	GAGACGTGACCGGATTAACGA
mus_*Stra13*_rev	CCAGAACCACTGCTTTTTCCA

Supplemental Table 1

		liver	BAT	iWAT	eWAT
Npas2	**r^2**	0.774	0.823	0.889	0.730
	AMPLITUDE	1.64 ± 0.327	0.522 ± 0.093	0.847 ± 0.138	0.419 ± 0.106
	MESOR	1.04 ± 0.240	0.355 ± 0.068	0.790 ± 0.101	0.342 ± 0.077
	% RHYTHM	71.55	75.88	79.09	61.16
	p-VALUE	0.0019	0.0008	0.0004	0.0088
Bmal1	**r^2**	0.963	0.727	0.960	0.835
	AMPLITUDE	1.00 ± 0.104	1.25 ± 0.318	0.97 ± 0.106	1.02 ± 0.200
	MESOR	1.13 ± 0.076	1.01 ± 0.230	1.11 ± 0.077	0.88 ± 0.143
	% RHYTHM	90.29	61.03	89.22	72.35
	p-VALUE	0.0001	0.0090	0.0001	0.0016
Clock	**r^2**	0.973	0.956	0.956	0.616
	AMPLITUDE	0.62 ± 0.146	0.03 ± 0.017	0.46 ± 0.225	1.12 ± 0.981
	MESOR	2.22 ± 0.107	0.20 ± 0.012	2.70 ± 0.161	3.22 ± 0.677
	% RHYTHM	64.56	24.72	29.20	11.63
	p-VALUE	0.0056	0.2418	0.1779	0.5389
Per1	**r^2**	0.829	0.914	0.884	0.781
	AMPLITUDE	1.21 ± 0.233	0.42 ± 0.084	0.88 ± 0.197	0.35 ± 0.094
	MESOR	1.17 ± 0.171	0.70 ± 0.061	1.39 ± 0.144	0.44 ± 0.069
	% RHYTHM	73.07	71.06	66.30	58.55
	p-VALUE	0.0014	0.0020	0.0043	0.0122
Per2	**r^2**	0.907	0.942	0.927	0.845
	AMPLITUDE	1.76 ± 0.433	0.48 ± 0.053	1.02 ± 0.139	1.04 ± 0.197
	MESOR	3.53 ± 0.317	0.50 ± 0.039	1.18 ± 0.101	1.08 ± 0.145
	% RHYTHM	62.15	88.97	84.42	73.45
	p-VALUE	0.0078	0.0001	0.0001	0.0013
Per3	**r^2**	0.902	0.962	0.977	0.791
	AMPLITUDE	1.83 ± 0.244	0.64 ± 0.066	1.07 ± 0.088	1.20 ± 0.286
	MESOR	1.60 ± 0.177	0.80 ± 0.048	1.39 ± 0.065	1.34 ± 0.209
	% RHYTHM	84.91	90.43	93.65	63.95
	p-VALUE	0.0001	0.0001	0.0001	0.0061
Cry1	**r^2**	0.986	0.924	0.978	0.822
	AMPLITUDE	0.55 ± 0.065	0.44 ± 0.090	0.60 ± 0.092	0.95 ± 0.218
	MESOR	1.31 ± 0.044	0.73 ± 0.062	1.48 ± 0.063	1.00 ± 0.149
	% RHYTHM	87.77	70.66	80.66	65.52
	p-VALUE	0.0001	0.0022	0.0003	0.0049
Cry2	**r^2**	0.948	0.902	0.982	0.804
	AMPLITUDE	0.58 ± 0.159	0.29 ± 0.082	0.16 ± 0.060	0.57 ± 0.216
	MESOR	1.82 ± 0.117	0.60 ± 0.056	1.10 ± 0.041	1.10 ± 0.151
	% RHYTHM	56.63	55.79	42.28	41.30
	p-VALUE	0.0153	0.0169	0.0641	0.0697

Supplemental Table 2

SYMBOL	PROBE ID	GENE NAME
4-Sep	1448729_a_at	septin 4
0610012G03Rik	1448540_a_at	RIKEN cDNA 0610012G03 gene
0610039C21Rik	1428143_a_at	RIKEN cDNA 0610039C21 gene
0610043B10Rik	1426624_a_at	RIKEN cDNA 0610043B10 gene
0710001E13Rik	1451280_at	RIKEN cDNA 0710001E13 gene
0710001O03Rik	1423680_at	RIKEN cDNA 0710001O03 gene
1110001K21Rik	1437624_x_at	RIKEN cDNA 1110001K21 gene
1110002J03Rik	1429052_at	RIKEN cDNA 1110002J03 gene
1110007M04Rik	1427997_at	RIKEN cDNA 1110007M04 gene
1110008F13Rik	1416699_at	RIKEN cDNA 1110008F13 gene
1110025L05Rik	1434545_x_at	RIKEN cDNA 1110025L05 gene
1110029F20Rik	1452646_at	RIKEN cDNA 1110029F20 gene
1110030K22Rik	1419145_at	RIKEN cDNA 1110030K22 gene
1110031B06Rik	1438176_x_at	RIKEN cDNA 1110031B06 gene
1110057K04Rik	1436519_a_at	RIKEN cDNA 1110057K04 gene
1110063F24Rik	1427270_a_at	RIKEN cDNA 1110063F24 gene
1110064P04Rik	1435160_at	RIKEN cDNA 1110064P04 gene
1200007B05Rik	1448970_at	RIKEN cDNA 1200007B05 gene
1200008D14Rik	1449799_s_at	RIKEN cDNA 1200008D14 gene
1500041O16Rik	1435527_at	RIKEN cDNA 1500041O16 gene
1600014C10Rik	1424444_a_at	RIKEN cDNA 1600014C10 gene
1600019D15Rik	1425568_a_at	RIKEN cDNA 1600019D15 gene
1600031M04Rik	1417941_at	RIKEN cDNA 1600031M04 gene
1700012B18Rik	1424022_at	RIKEN cDNA 1700012B18 gene
1700023B02Rik	1423375_at	RIKEN cDNA 1700023B02 gene
1810008K03Rik	1451382_at	RIKEN cDNA 1810008K03 gene
1810011K17Rik	1451587_a_at	RIKEN cDNA 1810011K17 gene
1810018P12Rik	1434510_at	RIKEN cDNA 1810018P12 gene
1810044O22Rik	1417766_at	RIKEN cDNA 1810044O22 gene
1810044O22Rik	1417767_at	RIKEN cDNA 1810044O22 gene
1810044O22Rik	1448844_at	RIKEN cDNA 1810044O22 gene
2010003O18Rik	1425211_at	RIKEN cDNA 2010003O18 gene
2010305K11Rik	1435376_at	RIKEN cDNA 2010305K11 gene
2210021A15Rik	1431423_a_at	RIKEN cDNA 2210021A15 gene
2210402A09Rik	1434854_a_at	RIKEN cDNA 2210402A09 gene
2300004C15Rik	1451465_at	RIKEN cDNA 2300004C15 gene
2310001A20Rik	1452159_at	RIKEN cDNA 2310001A20 gene
2310016A09Rik	1451322_at	RIKEN cDNA 2310016A09 gene
2310036D04Rik	1427929_a_at	RIKEN cDNA 2310036D04 gene
2310036I02Rik	1427207_s_at	RIKEN cDNA 2310036I02 gene
2310043N10Rik	1428083_at	RIKEN cDNA 2310043N10 gene
2310044G17Rik	1424915_s_at	RIKEN cDNA 2310044G17 gene
2310046H11Rik	1426378_at	RIKEN cDNA 2310046H11 gene
2310051E17Rik	1428288_at	RIKEN cDNA 2310051E17 gene
2310057H16Rik	1416431_at	RIKEN cDNA 2310057H16 gene
2400004H09Rik	1437343_x_at	RIKEN cDNA 2400004H09 gene
2400004H09Rik	1438178_x_at	RIKEN cDNA 2400004H09 gene
2410018C20Rik	1417146_at	RIKEN cDNA 2410018C20 gene
2500002E12Rik	1448005_at	RIKEN cDNA 2500002E12 gene
2510010F15Rik	1429568_x_at	RIKEN cDNA 2510010F15 gene
2610318G18Rik	1453731_a_at	RIKEN cDNA 2610318G18 gene

Supplemental Table 3

SYMBOL	PROBE ID	GENE NAME
2610529C04Rik	1419459_a_at	RIKEN cDNA 2610529C04 gene
2700038L12Rik	1448102_a_at	RIKEN cDNA 2700038L12 gene
2810036L13Rik	1425255_s_at	RIKEN cDNA 2810036L13 gene
2810049O06Rik	1421087_at	RIKEN cDNA 2810049O06 gene
2810410P22Rik	1433951_at	RIKEN cDNA 2810410P22 gene
2810417M16Rik	1434162_at	RIKEN cDNA 2810417M16 gene
2810422B04Rik	1428090_at	RIKEN cDNA 2810422B04 gene
2810435D12Rik	1425343_at	RIKEN cDNA 2810435D12 gene
2810468K05Rik	1424657_at	RIKEN cDNA 2810468K05 gene
2810474O19Rik	1437110_at	RIKEN cDNA 2810474O19 gene
2810484M10Rik	1416766_at	RIKEN cDNA 2810484M10 gene
2900097C17Rik	1432646_a_at	RIKEN cDNA 2900097C17 gene
3110005P07Rik	1422031_a_at	RIKEN cDNA 3110005P07 gene
3110006P09Rik	1426679_at	RIKEN cDNA 3110006P09 gene
3110020O18Rik	1424574_at	RIKEN cDNA 3110020O18 gene
3110038L01Rik	1416840_at	RIKEN cDNA 3110038L01 gene
3300001P08Rik	1451485_at	RIKEN cDNA 3300001P08 gene
3930402F23Rik	1418171_at	RIKEN cDNA 3930402F23 gene
4432411E13Rik	1452718_at	RIKEN cDNA 4432411E13 gene
4930422J18Rik	1420150_at	RIKEN cDNA 4930422J18 gene
4930429H24Rik	1451793_at	RIKEN cDNA 4930429H24 gene
4930579A11Rik	1423722_at	RIKEN cDNA 4930579A11 gene
4932438H23Rik	1430772_at	RIKEN cDNA 4932438H23 gene
4933433D23Rik	1420836_at	RIKEN cDNA 4933433D23 gene
5530401C11Rik	1428368_at	RIKEN cDNA 5530401C11 gene
5530401C11Rik	1428369_s_at	RIKEN cDNA 5530401C11 gene
5730439E10Rik	1433545_s_at	RIKEN cDNA 5730439E10 gene
5730439E10Rik	1454647_at	RIKEN cDNA 5730439E10 gene
5730536A07Rik	1416634_at	RIKEN cDNA 5730536A07 gene
5830417C01Rik	1451621_at	RIKEN cDNA 5830417C01 gene
6030458H05	1434103_at	hypothetical protein 6030458H05
6430596G11Rik	1434009_at	RIKEN cDNA 6430596G11 gene
6530401D17Rik	1451679_at	RIKEN cDNA 6530401D17 gene
6530402N02Rik	1424980_s_at	RIKEN cDNA 6530402N02 gene
9330185J12Rik	1454704_at	RIKEN cDNA 9330185J12 gene
9430023L20Rik	1424212_at	RIKEN cDNA 9430023L20 gene
9530008L14Rik	1427957_at	RIKEN cDNA 9530008L14 gene
9530058B02Rik	1417212_at	RIKEN cDNA 9530058B02 gene
A030012M09Rik	1435635_at	RIKEN cDNA A030012M09 gene
A430103C15Rik	1424754_at	RIKEN cDNA A430103C15 gene
Aacs	1423797_at	acetoacetyl-CoA synthetase
Abca1	1450392_at	ATP-binding cassette, sub-family A (ABC1), member 1
Abhd6	1419103_a_at	abhydrolase domain containing 6
Abhd6	1419104_at	abhydrolase domain containing 6
Acadl	1448987_at	acetyl-Coenzyme A dehydrogenase, long-chain
Acas2	1422479_at	acetyl-Coenzyme A synthetase 2 (ADP forming)
Acly	1425326_at	ATP citrate lyase
Acly	1439459_x_at	ATP citrate lyase
Aco1	1423644_at	aconitase 1
Adcy6	1418128_at	adenylate cyclase 6
Adcy9	1418586_at	adenylate cyclase 9

SYMBOL	PROBE ID	GENE NAME
Adh1	1416225_at	alcohol dehydrogenase 1 (class I)
Aebp2	1434080_at	AE binding protein 2
Ahsa1	1424147_at	AHA1, activator of heat shock 90kDa protein ATPase homolog 1 (yeast)
AI415282	1415793_at	expressed sequence AI415282
AI504298	1433538_at	expressed sequence AI504298
AI504298	1439381_x_at	expressed sequence AI504298
Ak2	1448450_at	adenylate kinase 2
Ak2	1448451_at	adenylate kinase 2
Ak3l	1423718_at	adenylate kinase 3 alpha-like
Akap9	1437082_at	A kinase (PRKA) anchor protein (yotiao) 9
Akr7a5	1417294_at	aldo-keto reductase family 7, member A5 (aflatoxin aldehyde reductase)
Alas1	1424126_at	aminolevulinic acid synthase 1
Amacr	1417208_at	alpha-methylacyl-CoA racemase
Anapc2	1415707_at	anaphase promoting complex subunit 2
Angptl2	1455090_at	angiopoietin-like 2
Angptl4	1417130_s_at	angiopoietin-like 4
Anxa1	1448213_at	annexin A1
Arf1	1420920_a_at	ADP-ribosylation factor 1
Arhb	1449110_at	ras homolog gene family, member B
Arhgap10	1426027_a_at	Rho GTPase activating protein 10
Arl6ip1	1451131_at	ADP-ribosylation factor-like 6 interacting protein 1
Arl6ip2	1416793_at	ADP-ribosylation factor-like 6 interacting protein 2
Arntl	1425099_a_at	aryl hydrocarbon receptor nuclear translocator-like
Atp2a2	1416551_at	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2
Atp2a2	1427250_at	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2
Atp2c1	1437738_at	ATPase, Ca++-sequestering
Atp6v0b	1437013_x_at	ATPase, H+ transporting, V0 subunit B
Atp6v0c	1438925_x_at	ATPase, H+ transporting, V0 subunit C
Atp6v1c1	1419544_at	ATPase, H+ transporting, V1 subunit C, isoform 1
Atp6v1g1	1423255_at	ATPase, H+ transporting, V1 subunit G isoform 1
AU021838	1433903_at	expressed sequence AU021838
AU021838	1454814_s_at	expressed sequence AU021838
AU041707	1450776_at	expressed sequence AU041707
AV071179	1449568_at	expressed sequence AV071179
AW011752	1423197_a_at	expressed sequence AW011752
AW112037	1435326_at	expressed sequence AW112037
AW549877	1426459_s_at	expressed sequence AW549877
Axot	1436893_a_at	axotrophin
B230219D22Rik	1424005_at	RIKEN cDNA B230219D22 gene
B230342M21Rik	1417707_at	RIKEN cDNA B230342M21 gene
B430110G05Rik	1433448_at	RIKEN cDNA B430110G05 gene
B430110G05Rik	1436909_at	RIKEN cDNA B430110G05 gene
B830022L21Rik	1424384_a_at	RIKEN cDNA B830022L21 gene
Bag3	1422452_at	Bcl2-associated athanogene 3
Bat1a	1448221_at	HLA-B-associated transcript 1A
Baz1b	1434824_at	bromodomain adjacent to zinc finger domain, 1B
BC004004	1416609_at	cDNA sequence BC004004
BC004012	1416248_at	cDNA sequence BC004012
BC005682	1435101_at	cDNA sequence BC005682
BC023040	1460691_at	cDNA sequence BC023040
Becn1	1439405_x_at	beclin 1 (coiled-coil, myosin-like BCL2-interacting protein)

SYMBOL	PROBE ID	GENE NAME
Bfar	1426489_s_at	bifunctional apoptosis regulator
Bfar	1426490_at	bifunctional apoptosis regulator
Bnip2	1453993_a_at	BCL2/adenovirus E1B 19kDa-interacting protein 1, NIP2
Bnip3	1422470_at	BCL2/adenovirus E1B 19kDa-interacting protein 1, NIP3
Bnip3l	1416922_a_at	BCL2/adenovirus E1B 19kDa-interacting protein 3-like
Brd2	1437210_a_at	bromodomain containing 2
Bri3	1416924_at	brain protein I3
Bteb1	1428289_at	basic transcription element binding protein 1
Bteb1	1456341_a_at	basic transcription element binding protein 1
Bzw1	1423040_at	basic leucine zipper and W2 domains 1
Bzw1	1450845_a_at	basic leucine zipper and W2 domains 1
C130006E23	1455206_at	hypothetical protein C130006E23
C1qbp	1448274_at	complement component 1, q subcomponent binding protein
C1qbp	1455821_x_at	complement component 1, q subcomponent binding protein
C1qr1	1419589_at	complement component 1, q subcomponent, receptor 1
C1s	1424041_s_at	complement component 1, s subcomponent
C230093N12Rik	1426894_s_at	RIKEN cDNA C230093N12 gene
C3ar1	1419482_at	complement component 3a receptor 1
C80913	1419273_at	expressed sequence C80913
Cabc1	1417066_at	chaperone, ABC1 activity of bc1 complex like (S. pombe)
Cacybp	1452047_at	calcyclin binding protein
Cad	1452830_s_at	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase
Cald1	1424768_at	caldesmon 1
Cald1	1424770_at	caldesmon 1
Carhsp1	1415976_a_at	calcium regulated heat stable protein 1
Cast	1451413_at	calpastatin
Cast1	1451980_at	O-acetyltransferase
Catnb	1450008_a_at	catenin beta
Ccl9	1417936_at	chemokine (C-C motif) ligand 9
Ccnd2	1416122_at	cyclin D2
Ccng2	1416488_at	cyclin G2
Cct3	1448178_a_at	chaperonin subunit 3 (gamma)
Cct6a	1455988_a_at	chaperonin subunit 6a (zeta)
Cd163	1419144_at	CD163 antigen
Cdh2	1418815_at	cadherin 2
Cdk5rap1	1448626_at	CDK5 regulatory subunit associated protein 1
Cdkn1a	1424638_at	cyclin-dependent kinase inhibitor 1A (P21)
Cdkn1c	1417649_at	cyclin-dependent kinase inhibitor 1C (P57)
Ceacam1	1425538_x_at	CEA-related cell adhesion molecule 1
Cebpa	1418982_at	CCAAT/enhancer binding protein (C/EBP), alpha
Cebpg	1425262_at	CCAAT/enhancer binding protein (C/EBP), gamma
Centd1	1452291_at	centaurin, delta 1
Cggbp1	1454641_at	CGG triplet repeat binding protein 1
Chc1l	1416389_a_at	chromosome condensation 1-like
Chordc1	1460645_at	cysteine and histidine-rich domain (CHORD)-containing, zinc-binding protein 1
Chuk	1417091_at	conserved helix-loop-helix ubiquitous kinase
Cirbp	1416332_at	cold inducible RNA binding protein
Clp1	1425937_a_at	cardiac lineage protein 1
Clpx	1423447_at	caseinolytic protease X (E.coli)
Col18a1	1426955_at	procollagen, type XVIII, alpha 1
Col1a2	1423110_at	procollagen, type I, alpha 2

SYMBOL	PROBE ID	GENE NAME
Col25a1	1438655_a_at	procollagen, type XXV, alpha 1
Col4a1	1452035_at	procollagen, type IV, alpha 1
Col5a3	1419703_at	procollagen, type V, alpha 3
Comt	1449183_at	catechol-O-methyltransferase
Cp	1417495_x_at	ceruloplasmin
Cp	1417496_at	ceruloplasmin
Cpt1a	1460409_at	carnitine palmitoyltransferase 1a, liver
Crk	1416201_at	v-crk sarcoma virus CT10 oncogene homolog (avian)
Crtac1	1426606_at	cartilage acidic protein 1
Cry1	1433733_a_at	cryptochrome 1 (photolyase-like)
Ctgf	1416953_at	connective tissue growth factor
Ctsl	1451310_a_at	cathepsin L
Ctsz	1417870_x_at	cathepsin Z
Cul3	1422795_at	cullin 3
Cxcl12	1417574_at	chemokine (C-X-C motif) ligand 12
Cxcl9	1418652_at	chemokine (C-X-C motif) ligand 9
Cyp2e1	1415994_at	cytochrome P450, family 2, subfamily e, polypeptide 1
Cyp7a1	1422100_at	cytochrome P450, family 7, subfamily a, polypeptide 1
Cys1	1419070_at	cystin 1
D0H4S114	1436736_x_at	DNA segment, human D4S114
D10Ertd749e	1423724_at	DNA segment, Chr 10, ERATO Doi 749, expressed
D130005A03Rik	1454712_at	RIKEN cDNA D130005A03 gene
D130043N08Rik	1418507_s_at	RIKEN cDNA D130043N08 gene
D3Ucla1	1415828_a_at	DNA segment, Chr 3, University of California at Los Angeles 1
Dapk1	1427358_a_at	death associated protein kinase 1
Dazap2	1415796_at	DAZ associated protein 2
Dbp	1418174_at	D site albumin promoter binding protein
Dbp	1438211_s_at	D site albumin promoter binding protein
Ddit4	1428306_at	DNA-damage-inducible transcript 4
Ddx52	1434607_at	DEAD (Asp-Glu-Ala-Asp) box polypeptide 52
Dgat2	1422677_at	diacylglycerol O-acyltransferase 2
Dhrs3	1448390_a_at	dehydrogenase/reductase (SDR family) member 3
Dhx9	1451770_s_at	DEAH (Asp-Glu-Ala-His) box polypeptide 9
Dlat	1452005_at	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)
Dmap1	1417742_a_at	DNA methyltransferase 1-associated protein 1
Dnaja1	1416288_at	DnaJ (Hsp40) homolog, subfamily A, member 1
Dnaja1	1460179_at	DnaJ (Hsp40) homolog, subfamily A, member 1
Dnaja4	1418592_at	DnaJ (Hsp40) homolog, subfamily A, member 4
Dnajb1	1416755_at	DnaJ (Hsp40) homolog, subfamily B, member 1
Dnajb1	1416756_at	DnaJ (Hsp40) homolog, subfamily B, member 1
Dnajc5	1436179_a_at	DnaJ (Hsp40) homolog, subfamily C, member 5
Dnclc1	1417339_a_at	dynein, cytoplasmic, light chain 1
Dnclc1	1456125_a_at	dynein, cytoplasmic, light chain 1
Dsip1	1420772_a_at	delta sleep inducing peptide, immunoreactor
Dsip1	1425281_a_at	delta sleep inducing peptide, immunoreactor
Dst	1423626_at	dystonin
Dusp1	1448830_at	dual specificity phosphatase 1
E030041M21Rik	1451275_at	RIKEN cDNA E030041M21 gene
E030041M21Rik	1451276_at	RIKEN cDNA E030041M21 gene
Eef2	1424736_at	eukaryotic translation elongation factor 2
Efna1	1448510_at	ephrin A1

SYMBOL	PROBE ID	GENE NAME
Egln1	1423785_at	EGL nine homolog 1 (C. elegans)
Egr1	1417065_at	early growth response 1
Eif1ay	1449576_at	eukaryotic translation initiation factor 1A, Y-linked
Eif2s2	1417713_at	eukaryotic translation initiation factor 2, subunit 2 (beta)
Eif4a1	1430980_a_at	eukaryotic translation initiation factor 4A1
Eif4e	1450908_at	eukaryotic translation initiation factor 4E
Eif4el3	1435803_a_at	eukaryotic translation initiation factor 4E like 3
Eif4g1	1427036_a_at	eukaryotic translation initiation factor 4, gamma 1
Eif5	1415723_at	eukaryotic translation initiation factor 5
Elavl1	1431037_a_at	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R)
Elavl1	1448151_at	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R)
Elovl3	1420722_at	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 3
Elovl5	1415840_at	ELOVL family member 5, elongation of long chain fatty acids (yeast)
Elovl5	1437211_x_at	ELOVL family member 5, elongation of long chain fatty acids (yeast)
Elys	1424712_at	embryonic large molecule derived from yolk sac
Enpep	1448649_at	glutamyl aminopeptidase
Epb4.1l2	1433491_at	erythrocyte protein band 4.1-like 2
Epb7.2	1419099_x_at	erythrocyte protein band 7.2
Ephx2	1448499_a_at	epoxide hydrolase 2, cytoplasmic
Ero1l	1419029_at	ERO1-like (S. cerevisiae)
Ero1l	1419030_at	ERO1-like (S. cerevisiae)
Ero1l	1449324_at	ERO1-like (S. cerevisiae)
Etf1	1451208_at	eukaryotic translation termination factor 1
Etfdh	1451084_at	electron transferring flavoprotein, dehydrogenase
Eva	1448265_x_at	epithelial V-like antigen
Facl2	1450643_s_at	fatty acid Coenzyme A ligase, long chain 2
Facl5	1428082_at	fatty acid Coenzyme A ligase, long chain 5
Fau	1417452_a_at	Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed
Fbs1	1433816_at	fibrosin 1
Fbs1	1451645_at	fibrosin 1
Fbxo21	1452828_at	F-box only protein 21
Fbxo3	1423490_at	F-box only protein 3
Fbxo9	1432211_a_at	f-box only protein 9
Fcgrt	1416978_at	Fc receptor, IgG, alpha chain transporter
Fdft1	1438322_x_at	farnesyl diphosphate farnesyl transferase 1
Fgf1	1450869_at	fibroblast growth factor 1
Fibp	1422516_a_at	fibroblast growth factor (acidic) intracellular binding protein
Fkbp4	1416362_a_at	FK506 binding protein 4
Fkbp5	1416125_at	FK506 binding protein 5
Flot2	1438164_x_at	flotillin 2
Fmo1	1417429_at	flavin containing monooxygenase 1
Fmo2	1422905_s_at	flavin containing monooxygenase 2
Fmr1	1423369_at	fragile X mental retardation syndrome 1 homolog
Fus	1451285_at	fusion, derived from t(12;16) malignant liposarcoma (human)
Fus	1451286_s_at	fusion, derived from t(12;16) malignant liposarcoma (human)
G0s2	1448700_at	G0/G1 switch gene 2
Gadd45g	1453851_a_at	growth arrest and DNA-damage-inducible 45 gamma
Gas41	1423105_a_at	glioma-amplified sequence-41
Gdap10	1420342_at	ganglioside-induced differentiation-associated-protein 10
Glrx1	1416593_at	glutaredoxin 1 (thioltransferase)
Glul	1426235_a_at	glutamate-ammonia ligase (glutamine synthase)

SYMBOL	PROBE ID	GENE NAME
Gmnn	1417506_at	geminin
Gnb2-rs1	1455168_a_at	guanine nucleotide binding protein, beta 2, related sequence 1
Gng12	1421947_at	guanine nucleotide binding protein (G protein), gamma 12
Gpam	1419499_at	glycerol-3-phosphate acyltransferase, mitochondrial
Gpam	1425834_a_at	glycerol-3-phosphate acyltransferase, mitochondrial
Gpam	1438040_a_at	glycerol-3-phosphate acyltransferase, mitochondrial
Gpd2	1417434_at	glycerol phosphate dehydrogenase 2, mitochondrial
Gpi1	1420997_a_at	glucose phosphate isomerase 1
Gpi1	1434814_x_at	glucose phosphate isomerase 1
Gpt1	1426502_s_at	glutamic pyruvic transaminase 1, soluble
Grn	1438629_x_at	granulin
Gsta3	1423437_at	glutathione S-transferase, alpha 3
Gstt2	1417883_at	glutathione S-transferase, theta 2
H3f3b	1420376_a_at	H3 histone, family 3B
H47	1448704_s_at	histocompatibility 47
H6pd	1452145_at	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)
Hagh	1424172_at	hydroxyacyl glutathione hydrolase
Hba-a1	1428361_x_at	hemoglobin alpha, adult chain 1
Hbld2	1423651_at	HESB like domain containing 2
Hbp1	1432143_a_at	high mobility group box transcription factor 1
Herpud1	1435626_a_at	homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain 1
Herpud1	1448185_at	homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain 1
Hist1h2bc	1418072_at	histone 1, H2bc
Hist2h3c2	1422155_at	histone 2, H3c2
Hk2	1422612_at	hexokinase 2
Hlf	1434736_at	hepatic leukemia factor
Hmgb3	1416155_at	high mobility group box 3
Hmgcs1	1433444_at	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1
Hmgcs1	1433445_x_at	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1
Hmgcs1	1433446_at	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1
Hod	1428662_a_at	homeobox only domain
Hod	1451776_s_at	homeobox only domain
Hsp105	1423566_a_at	heat shock protein 105
Hsp105	1425993_a_at	heat shock protein 105
Hspa4	1416147_at	heat shock protein 4
Hspa8	1420622_a_at	heat shock protein 8
Hspa8	1420623_x_at	heat shock protein 8
Hspa8	1455789_x_at	heat shock protein 8
Hspb1	1422943_a_at	heat shock protein 1
Hspb1	1425964_x_at	heat shock protein 1
Hspb8	1417013_at	heat shock 27kDa protein 8
Hspb8	1417014_at	heat shock 27kDa protein 8
Hspca	1437497_a_at	heat shock protein 1, alpha
Hspcb	1416364_at	heat shock protein 1, beta
Hspcb	1416365_at	heat shock protein 1, beta
Hspe1	1450668_s_at	heat shock protein 1 (chaperonin 10)
Ifitm2	1417460_at	interferon induced transmembrane protein 2
Igtp	1417141_at	interferon gamma induced GTPase
Ii	1425519_a_at	Ia-associated invariant chain
Il15ra	1448681_at	interleukin 15 receptor, alpha chain
Ilf2	1417949_at	interleukin enhancer binding factor 2

SYMBOL	PROBE ID	GENE NAME
Impa1	1423127_at	inositol (myo)-1(or 4)-monophosphatase 1
Itgb1	1452545_a_at	integrin beta 1 (fibronectin receptor beta)
Itpka	1424037_at	inositol 1,4,5-trisphosphate 3-kinase A
Itpr1	1460203_at	inositol 1,4,5-triphosphate receptor 1
Jarid1d	1452562_at	jumonji, AT rich interactive domain 1D (Rbp2 like)
Kcmf1	1418695_a_at	potassium channel modulatory factor 1
Kdelr1	1460211_a_at	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1
Kif1b	1423994_at	kinesin family member 1B
Kif1b	1451200_at	kinesin family member 1B
Klf13	1432543_a_at	Kruppel-like factor 13
Klhdc3	1415991_a_at	kelch domain containing 3
Kpna2	1415860_at	karyopherin (importin) alpha 2
Ldlr	1421821_at	low density lipoprotein receptor
Leprotl1	1451018_at	leptin receptor overlapping transcript-like 1
Lgals9	1421217_a_at	lectin, galactose binding, soluble 9
Limd1	1422731_at	LIM domains containing 1
Litaf	1416303_at	LPS-induced TN factor
Lman1	1452671_s_at	lectin, mannose-binding, 1
Lman2	1423075_at	lectin, mannose-binding 2
Lmna	1421654_a_at	lamin A
Lpin2	1452836_at	lipin 2
Lpl	1431056_a_at	lipoprotein lipase
Luc7l2	1436766_at	LUC7-like 2 (S. cerevisiae)
Lypla3	1422341_s_at	lysophospholipase 3
Lypla3	1423704_at	lysophospholipase 3
Madh4	1422487_at	MAD homolog 4 (Drosophila)
Madh6	1422771_at	MAD homolog 6 (Drosophila)
Man2a1	1448647_at	mannosidase 2, alpha 1
Man2b1	1416340_a_at	mannosidase 2, alpha B1
Map2k3	1451714_a_at	mitogen activated protein kinase kinase 3
Mapk6	1419169_at	mitogen-activated protein kinase 6
Marcks	1415973_at	myristoylated alanine rich protein kinase C substrate
Mat2a	1438386_x_at	methionine adenosyltransferase II, alpha
Mbnl1	1416904_at	muscleblind-like 1 (Drosophila)
MGC6357	1426084_a_at	hypothetical protein MGC6357
Mgea6	1426445_at	meningioma expressed antigen 6 (coiled-coil proline-rich)
Mgll	1426785_s_at	monoglyceride lipase
Mgll	1450391_a_at	monoglyceride lipase
Mkks	1422627_a_at	McKusick-Kaufman syndrome protein
Mknk2	1418300_a_at	MAP kinase-interacting serine/threonine kinase 2
Mmd	1423489_at	monocyte to macrophage differentiation-associated
Mrpl2	1448811_at	mitochondrial ribosomal protein L2
Mrpl9	1430976_a_at	mitochondrial ribosomal protein L9
Mt1	1422557_s_at	metallothionein 1
Mt2	1428942_at	metallothionein 2
Mtap	1424425_a_at	methylthioadenosine phosphorylase
Mte1	1422997_s_at	mitochondrial acyl-CoA thioesterase 1
Mtss1	1434036_at	metastasis suppressor 1
Nars	1428666_at	asparaginyl-tRNA synthetase
Ncoa1	1418594_a_at	nuclear receptor coactivator 1
Ncoa4	1420808_at	nuclear receptor coactivator 4

SYMBOL	PROBE ID	GENE NAME
Ndufa5	1417286_at	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5
Ndufb10	1428322_a_at	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10
Ndufs8	1455283_x_at	NADH dehydrogenase (ubiquinone) Fe-S protein 8
Nfkbia	1420088_at	nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, alpha
Nfkbia	1449731_s_at	nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, alpha
Npas2	1421037_at	neuronal PAS domain protein 2
Nr1d1	1426464_at	nuclear receptor subfamily 1, group D, member 1
Nr1d2	1416958_at	nuclear receptor subfamily 1, group D, member 2
Nr1d2	1416959_at	nuclear receptor subfamily 1, group D, member 2
Nrg4	1421681_at	neuregulin 4
Nrp	1418084_at	neuropilin
Ntrk2	1420838_at	neurotrophic tyrosine kinase, receptor, type 2
Nudt3	1451575_a_at	nudix (nucleotide diphosphate linked moiety X)-type motif 3
Oazin	1450714_at	ornithine decarboxylase antizyme inhibitor
Obrgrp	1424438_a_at	leptin receptor gene-related protein
Obrgrp	1451350_a_at	leptin receptor gene-related protein
Odag	1425599_a_at	ocular development associated gene
Olfr154	1450591_at	olfactory receptor 154
Oplah	1424359_at	5-oxoprolinase (ATP-hydrolysing)
Oprs1	1416750_at	opioid receptor, sigma 1
Ormdl3	1419450_at	ORM1-like 3 (S. cerevisiae)
Osbpl11	1455534_s_at	oxysterol binding protein-like 11
Osp94	1418253_a_at	osmotic stress protein
Osp94	1449010_at	osmotic stress protein
P4ha1	1452094_at	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase) alpha 1
Pabpc4	1421046_a_at	poly A binding protein, cytoplasmic 4
Pabpn1	1422849_a_at	poly(A) binding protein, nuclear 1
Pald	1448134_at	paladin
Pank1	1418715_at	pantothenate kinase 1
Pbef1	1417190_at	pre-B-cell colony-enhancing factor 1
Pbx2	1449261_at	pre B-cell leukemia transcription factor 2
Pcbp2	1421743_a_at	poly(rC) binding protein 2
Pck1	1423439_at	phosphoenolpyruvate carboxykinase 1, cytosolic
Pdhb	1448214_at	pyruvate dehydrogenase (lipoamide) beta
Pdk4	1417273_at	pyruvate dehydrogenase kinase, isoenzyme 4
Per1	1449851_at	period homolog 1 (Drosophila)
Per2	1417602_at	period homolog 2 (Drosophila)
Per3	1421086_at	period homolog 3 (Drosophila)
Per3	1460662_at	period homolog 3 (Drosophila)
Pex16	1425021_a_at	peroxisome biogenesis factor 16
Pfkfb1	1427213_at	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1
Pfkfb3	1416432_at	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
Phka2	1434518_at	phosphorylase kinase alpha 2
Phlda1	1418835_at	pleckstrin homology-like domain, family A, member 1
Pim3	1437100_x_at	proviral integration site 3
Pim3	1451069_at	proviral integration site 3
Plekhc1	1434181_at	pleckstrin homology domain containing, family C (with FERM domain) member 1
Plekhf1	1424671_at	pleckstrin homology domain containing, family F (with FYVE domain) member 1
Pnn	1423324_at	pinin
Pnp	1416530_a_at	purine-nucleoside phosphorylase
Pnp	1453299_a_at	purine-nucleoside phosphorylase

SYMBOL	PROBE ID	GENE NAME
Pnrc1	1433668_at	proline-rich nuclear receptor coactivator 1
Por	1416933_at	P450 (cytochrome) oxidoreductase
Ppara	1449051_at	peroxisome proliferator activated receptor alpha
Ppargc1b	1449945_at	peroxisome proliferative activated receptor, gamma, coactivator 1 beta
Ppif	1416940_at	peptidylprolyl isomerase F (cyclophilin F)
Ppm1a	1415678_at	protein phosphatase 1A, magnesium dependent, alpha isoform
Ppm1b	1451669_at	protein phosphatase 1B, magnesium dependent, beta isoform
Ppp1r15b	1426798_a_at	protein phosphatase 1, regulatory (inhibitor) subunit 15b
Ppp1r3c	1425631_at	protein phosphatase 1, regulatory (inhibitor) subunit 3C
Ppp1r3c	1433691_at	protein phosphatase 1, regulatory (inhibitor) subunit 3C
Ppp2r2d	1420033_s_at	protein phosphatase 2, regulatory subunit B, delta isoform
Ppp3ca	1426401_at	protein phosphatase 3, catalytic subunit, alpha isoform
Ppp3r1	1433591_at	protein phospatase 3, regulatory subunit B, alpha isoform (calcineurin B, type I)
Prdx6	1423223_a_at	peroxiredoxin 6
Prkar1a	1425550_a_at	protein kinase, cAMP dependent regulatory, type I, alpha
Prkdc	1451576_at	protein kinase, DNA activated, catalytic polypeptide
Prnp	1416130_at	prion protein
Prnp	1448233_at	prion protein
Prps1	1416052_at	phosphoribosyl pyrophosphate synthetase 1
Psen2	1425869_a_at	presenilin 2
Psmc2	1426611_at	proteasome (prosome, macropain) 26S subunit, ATPase 2
Ptp4a1	1419024_at	protein tyrosine phosphatase 4a1
Ptp4a1	1455002_at	protein tyrosine phosphatase 4a1
Pxmp2	1417841_at	peroxisomal membrane protein 2
Rab10	1422664_at	RAB10, member RAS oncogene family
Rab21	1437741_at	RAB21, member RAS oncogene family
Rab34	1416591_at	RAB34, member of RAS oncogene family
Ramp2	1418188_a_at	receptor (calcitonin) activity modifying protein 2
Rassf3	1417015_at	Ras association (RalGDS/AF-6) domain family 3
Rbm3	1422660_at	RNA binding motif protein 3
Rbms1	1434005_at	RNA binding motif, single stranded interacting protein 1
Rdh11	1449209_a_at	retinol dehydrogenase 11
Rdh9	1427963_s_at	retinol dehydrogenase 9
Rgs3	1425701_a_at	regulator of G-protein signaling 3
Rgs5	1420940_x_at	regulator of G-protein signaling 5
Rnf13	1420620_a_at	ring finger protein 13
Rnf138	1454064_a_at	ring finger protein 138
Rorc	1425792_a_at	RAR-related orphan receptor gamma
Rorc	1425793_a_at	RAR-related orphan receptor gamma
Rpl10	1448157_s_at	ribosomal protein 10
Rpl13	1460581_a_at	ribosomal protein L13
Rpl24	1460201_a_at	ribosomal protein L24
Rpl26	1448109_a_at	ribosomal protein L26
Rpl28	1416074_a_at	ribosomal protein L28
Rpl31	1428212_x_at	ribosomal protein L31
Rpl35	1434231_x_at	ribosomal protein L35
Rpl36	1416519_at	ribosomal protein L36
Rpl36	1416520_x_at	ribosomal protein L36
Rpl36	1433510_x_at	ribosomal protein L36
Rpl41	1422623_x_at	ribosomal protein L41
Rps18	1448739_x_at	ribosomal protein S18

SYMBOL	PROBE ID	GENE NAME
Rps28	1423763_x_at	ribosomal protein S28
Rps7	1435593_x_at	ribosomal protein S7
Rras2	1417398_at	related RAS viral (r-ras) oncogene homolog 2
Rtn4	1421116_a_at	reticulon 4
Sat1	1420502_at	spermidine/spermine N1-acetyl transferase 1
Sav1	1416075_at	salvador homolog 1 (Drosophila)
Sbds	1426480_at	Shwachman-Bodian-Diamond syndrome homolog (human)
Sca7	1426287_at	spinocerebellar ataxia 7 homolog (human)
Scamp3	1416294_at	secretory carrier membrane protein 3
Sdc4	1448793_a_at	syndecan 4
Sec61a1	1416191_at	Sec61 alpha 1 subunit (S. cerevisiae)
Selenbp1	1450699_at	selenium binding protein 1
Selenbp2	1417580_s_at	selenium binding protein 2
Serpina12	1421092_at	Serine proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 12
Sertad1	1417406_at	SERTA domain containing 1
Sgpl1	1415892_at	sphingosine phosphate lyase 1
Sin3b	1424355_a_at	transcriptional regulator, SIN3B (yeast)
Slbp	1460168_at	stem-loop binding protein
Slc12a2	1417622_at	solute carrier family 12, member 2
Slc16a1	1415802_at	solute carrier family 16 (monocarboxylic acid transporters), member 1
Slc19a1	1420138_at	solute carrier family 19 (sodium/hydrogen exchanger), member 1
Slc1a3	1426341_at	solute carrier family 1 (glial high affinity glutamate transporter), member 3
Slc22a5	1450395_at	solute carrier family 22 (organic cation transporter), member 5
Slc25a11	1426586_at	solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member 11
Slc25a20	1423108_at	solute carrier family 25 (mitochondrial carnitine/acylcarnitine translocase), member 20
Slc25a20	1423109_s_at	solute carrier family 25 (mitochondrial carnitine/acylcarnitine translocase), member 20
Slc25a3	1416300_a_at	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3
Slc25a5	1434801_x_at	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5
Slc27a2	1416316_at	solute carrier family 27 (fatty acid transporter), member 2
Slc38a2	1426722_at	solute carrier family 38, member 2
Slc4a4	1421225_a_at	solute carrier family 4 (anion exchanger), member 4
Slc4a4	1426432_a_at	solute carrier family 4 (anion exchanger), member 4
Slc9a3r1	1438116_x_at	solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator 1
Smfn	1451259_at	small fragment nuclease
Smoc1	1448321_at	SPARC related modular calcium binding 1
Snrk	1425678_a_at	SNF related kinase
Snrk	1448864_at	SNF related kinase
Snx10	1431055_a_at	sorting nexin 10
Sod2	1417193_at	superoxide dismutase 2, mitochondrial
Sparc	1416589_at	secreted acidic cysteine rich glycoprotein
Spna2	1427888_a_at	spectrin alpha 2
Srebf1	1426690_a_at	sterol regulatory element binding factor 1
Ssfa2	1423613_at	sperm specific antigen 2
Stat5a	1450259_a_at	signal transducer and activator of transcription 5A
Stip1	1415909_at	stress-induced phosphoprotein 1
Stk25	1416770_at	serine/threonine kinase 25 (yeast)
Stx6	1460004_x_at	syntaxin 6
Sui1-rs1	1423799_at	suppressor of initiator codon mutations, related sequence 1 (S. cerevisiae)
Syncrip	1422768_at	synaptotagmin binding, cytoplasmic RNA interacting protein
Tardbp	1423723_s_at	TAR DNA binding protein
Tbc1d15	1416061_at	TBC1 domain family, member 15

SYMBOL	PROBE ID	GENE NAME
Tceb1	1427915_s_at	transcription elongation factor B (SIII), polypeptide 1
Tde2	1437513_a_at	tumor differentially expressed 2
Tebp	1417998_at	telomerase binding protein, p23
Tebp	1460221_at	telomerase binding protein, p23
Tef	1424175_at	thyrotroph embryonic factor
Tef	1438033_at	thyrotroph embryonic factor
Tef	1450184_s_at	thyrotroph embryonic factor
Tegt	1451586_at	testis enhanced gene transcript
Temt	1418697_at	thioether S-methyltransferase
Tenc1	1452264_at	tensin like C1 domain-containing phosphatase
Tes3-ps	1452079_s_at	testis derived transcript 3, pseudogene
Tfrc	1452661_at	transferrin receptor
Tgfb1i4	1425742_a_at	transforming growth factor beta 1 induced transcript 4
Tgfb1i4	1454971_x_at	transforming growth factor beta 1 induced transcript 4
Tgoln1	1423308_at	trans-golgi network protein
Timm8a	1416345_at	translocase of inner mitochondrial membrane 8 homolog a (yeast)
Timp2	1450040_at	tissue inhibitor of metalloproteinase 2
Timp3	1449335_at	tissue inhibitor of metalloproteinase 3
Timp4	1450974_at	tissue inhibitor of metalloproteinase 4
Tns	1419283_s_at	tensin
Tomm20	1423080_at	translocase of outer mitochondrial membrane 20 homolog (yeast)
Trim2	1417028_a_at	tripartite motif protein 2
Trim2	1417029_a_at	tripartite motif protein 2
Trim2	1448551_a_at	tripartite motif protein 2
Ttpa	1427284_a_at	tocopherol (alpha) transfer protein
Tubb2	1427347_s_at	tubulin, beta 2
Txnip	1415996_at	thioredoxin interacting protein
Txnl	1436947_a_at	thioredoxin-like
Uap1	1416743_at	UDP-N-acetylglucosamine pyrophosphorylase 1
Ubb	1435643_x_at	ubiquitin B
Ubb	1453723_x_at	ubiquitin B
Ube2b	1423106_at	ubiquitin-conjugating enzyme E2B, RAD6 homology (S. cerevisiae)
Ube2g1	1415688_at	ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans)
Ube2h	1418631_at	ubiquitin-conjugating enzyme E2H
Ubl1	1451005_at	ubiquitin-like 1
Ubl3	1423461_a_at	ubiquitin-like 3
Ubxd4	1425020_at	UBX domain containing 4
Ugcg	1421269_at	UDP-glucose ceramide glucosyltransferase
Ugp2	1434485_a_at	UDP-glucose pyrophosphorylase 2
Ugp2	1451742_a_at	UDP-glucose pyrophosphorylase 2
Ulk1	1448370_at	Unc-51 like kinase 1 (C. elegans)
Umpk	1424399_at	uridine monophosphate kinase
Umps	1434859_at	uridine monophosphate synthetase
Unc5c	1449522_at	unc-5 homolog C (C. elegans)
Usp2	1417168_a_at	ubiquitin specific protease 2
Usp2	1417169_at	ubiquitin specific protease 2
Utrn	1452222_at	utrophin
Vamp3	1437708_x_at	vesicle-associated membrane protein 3
Vapb	1423152_at	vesicle-associated membrane protein, associated protein B and C
Vcl	1416156_at	vinculin
Vdac1	1436992_x_at	voltage-dependent anion channel 1

SYMBOL	PROBE ID	GENE NAME
Vps35	1415783_at	vacuolar protein sorting 35
Wbscr14	1419185_a_at	Williams-Beuren syndrome chromosome region 14 homolog (human)
Wee1	1416774_at	wee 1 homolog (S. pombe)
Xbp1	1437223_s_at	X-box binding protein 1
Xdh	1451006_at	xanthine dehydrogenase
Yaf2	1429839_a_at	YY1 associated factor 2
Ywhab	1420878_a_at	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein beta
Ywhae	1438839_a_at	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein epsilon
Ywhaz	1448219_a_at	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein zeta
Yy1	1422569_at	YY1 transcription factor
Zfp207	1423545_a_at	zinc finger protein 207
Zfp265	1454652_at	zinc finger protein 265
Zfp288	1451577_at	zinc finger protein 288
Zfp292	1449515_at	zinc finger protein 292
Zfp91	1429615_at	zinc finger protein 91
Zhx1	1448875_at	zinc fingers and homeoboxes protein 1
	1417818_at	
	1426278_at	
	1427087_at	
	1427202_at	
	1427334_s_at	
	1427422_at	
	1433514_at	
	1433995_s_at	
	1434329_s_at	
	1434901_at	
	1435137_s_at	
	1436316_at	
	1437626_at	
	1438199_at	
	1442025_a_at	
	1447462_at	
	1452071_at	
	1453238_s_at	
	1454773_at	
	1455066_s_at	
	1456088_at	
	1460545_at	

Supplemental Figure 1. Circadian patterns of gene expression are not altered by normalization to several different control genes. Expression levels of *Per1* and *Dbp* (reported in Figures 1 and 2) were re-normalized to additional expression control genes in order to eliminate the influence of possible daily variation in control gene levels on the observed circadian gene patterns.

Supplemental Figure 2. Circadian oscillator gene expression patterns in murine peripheral tissues. Liver, BAT, iWAT, and eWAT were harvested from 5 male, 8-week old, AKR/J mice every 4 hrs over a 48-hour period (13 time points, n=5 in each time point). Total RNA was extracted from collected tissues, and used for qRT-PCR analysis to determine the expression levels of individual genes. Gene expression was normalized with the corresponding *Cyclophilin B* levels, and all values are reported as average values ± S.D. Results shown are from the September 2004 study.

Supplemental Figure 3. Mathematical analysis of circadian oscillator gene expression patterns. Overall periodicity of circadian data obtained through qRT-PCR analysis of liver, BAT, iWAT, and eWAT was tested with Time Series Analysis-Single Cosinor v. 6.0 software by fitting the data to a generalized cosine equation. Representative plots from iWAT illustrate the manner in which qRT-PCR data (dotted line) relate to a cosine wave pattern.

Supplemental Figure 4. Periodically expressed genes in adipose cycle in phase

groups. Heat-map of periodically expressed genes in BAT, iWAT, and liver shows that, in all three tissues, oscillating genes cluster in one of 4 phase groups, with zenith at either ZT 0, 4, 8, or 16.

Supplemental Table 1. Primer sets employed in qRT-PCR analysis of the circadian gene expression patterns in murine peripheral tissues. Primers for genes of interest were identified with Primer Express software and optimized for qRT-PCR on diluted cDNA samples, with SYBR® Green PCR Master Mix.

Supplemental Table 2. Statistical analysis of the circadian clock oscillator gene expression patterns in murine peripheral tissues. Overall periodicity of circadian data obtained through qRT-PCR analysis of liver, BAT, iWAT, and eWAT was tested with Time Series Analysis-Single Cosinor v. 6.0 software by fitting the data to a generalized cosine equation. Model was set as valid at the 0.950 probability level (ANOVA). All values are reported as average values ± S.D. Results shown are from the December, 2003 study.

Supplemental Table 3. List of periodically expressed genes shared by BAT, iWAT, and liver. Individual lists of periodically expressed genes in BAT, iWAT, and liver were compared to reveal the sub-set of oscillating genes shared by these tissues. The genes were then identified and annotated by matching the probe-set number with the gene information in the DAVID database, and sorted alphabetically according to gene symbol.