Table S4. Genes associated with cancer showing circadian oscillations in expression

Symbol	Cluster	Gene name
Krt19	1	Keratin 19
Thbs1	1	Thrombospondin 1
Oat	1	Ornithine aminotransferase
Scd	1	Stearoyl-coa desaturase
Umps	1	Uridine monophosphate synthetase
Hnrnpc	1	Heterogeneous nuclear ribonucleoprotein C
Hsp90aa1	1	Heat shock protein 90kda α , class A 1
Hsp90b1	1	Heat shock protein 90kda β , 1
Hspa5	1	Heat shock 70kda protein 5
Leprel1	1	Leprecan-like 1
Hsph1	1	Heat shock 105kda/110kda protein 1
Dact2	1	Dapper, antagonist of β-catenin, homolog 2
Tnfrsf12a	1	Tumor necrosis factor receptor super, 12A
Pdgfra	1	Platelet-derived growth factor receptor, α
Tm4sf1	1	Transmembrane 4 L six 1
Atf4	1	Activating transcription factor 4
Cry1	1	Cryptochrome 1
Eif4e	1	Eukaryotic translation initiation factor 4E
Bbc3	2	BCL2 binding component 3
Blcap	2	Bladder cancer associated protein
Aifm2	2	Apoptosis-inducing factor, mitochondrion-associated, 2
Clspn	2	Claspin homolog
Fzr1	2	Fizzy/cell division cycle 20 related 1
H2afx	2	H2A histone , X
G0s2	2	G0/g1switch 2
Kif3c	2	Kinesin 3C
Sept7	2	Septin 7
Fnbp1l	2	Formin binding protein 1-like
Adamts4	2	ADAM metallopeptidase with thrombospondin 1 , 4
Adamts9	2	ADAM metallopeptidase with thrombospondin 1 , 9
Itgb6	2	Integrin, β 6
Selp	2	Selectin P
Cx3cl1	2	Chemokine ligand 1
Cxcl3	2	Chemokine ligand 3
Bst2	2	Bone marrow stromal cell antigen 2
Irf1	2	Interferon regulatory factor 1
Pctp	2	Phosphatidylcholine transfer protein
Pgam1	2	Phosphoglycerate mutase 1
Enpp3	2	Ectonucleotide pyrophosphatase/phosphodiesterase 3
Acss1	2	Acyl-coa synthetase short-chain 1
Ass1	2	Argininosuccinate synthase 1
Fabp5	2	Fatty acid binding protein 5

Table S4. Genes associated with cancer showing circadian oscillations in expression

Symbol	Cluster	Gene name
Alox12	2	Arachidonate 12-lipoxygenase
Tgm2	2	Transglutaminase 2
Htra3	2	Htra serine peptidase 3
Psmd8	2	Proteasome 26S subunit, non-atpase, 8
Pdia6	2	Protein disulfide isomerase A, 6
Inhbb	2	Inhibin, β B
Grk5	2	G protein-coupled receptor kinase 5
Met	2	Met proto-oncogene
Fgg	2	Fibrinogen γ chain
Akap12	2	A kinase anchor protein 12
Thra	2	Thyroid hormone receptor, α
Rap1gap	2	RAP1 gtpase activating protein
Rnd1	2	Rho gtpase 1
Rhoa	2	Ras homolog gene , A
Wisp2	2	WNT1 inducible signaling pathway protein 2
Pdgfrb	2	Platelet-derived growth factor receptor, β
Gadd45g	2	Growth arrest & DNA-damage-inducible, γ
Fam3c	2	with sequence similarity 3, C
Iqgap2	2	IQ containing gtpase activating protein 2
Leo1	2	Leo1, paf1/rna polymerase2 complex component, homolog
Sox4	2	SRY -box 4
Hoxb2	2	Homeobox B2
Zfp423	2	Zinc finger protein 423
Srebf1	2	Sterol regulatory element binding transcription factor 1
Nfil3	2	Nuclear factor, interleukin 3 regulated
Sox17	2	SRY -box 17
Sap130	2	Sin3A-associated protein, 130kda
Slc3a2	2	Solute carrier 3 , 2
Aqp1	2	Aquaporin 1
Mcts1	3	Malignant T cell amplified sequence 1
Pbx1	3	Pre-B-cell leukemia homeobox 1
Numa1	3	Nuclear mitotic apparatus protein 1
Cdc23	3	Cell division cycle 23 homolog
Ccndbp1	3	Cyclin D- binding-protein 1
Wtap	3	Wilms tumor 1 associated protein
Spon2	3	Spondin 2
Dag1	3	Dystroglycan 1
Mmp14	3	Matrix metallopeptidase 14
Lox	3	Lysyl oxidase
Nid2	3	Nidogen 2
Fbn1	3	Fibrillin 1
Itga4	3	Integrin, α 4

Table S4. Genes associated with cancer showing circadian oscillations in expression

Symbol	Cluster	Gene name
Adamts15	3	ADAM metallopeptidase with thrombospondin 1 , 15
Cmtm3	3	CKLF-like MARVEL transmembrane containing 3
Tnfsf10	3	Tumor necrosis factor super, 10
Cxcl12	3	Chemokine ligand 12
Mog	3	Myelin oligodendrocyte glycoprotein
Tmpo	3	Thymopoietin
Ampd3	3	Adenosine monophosphate deaminase 3
Acpp	3	Acid phosphatase, prostate
Mtap	3	Methylthioadenosine phosphorylase
Nox4	3	NADPH oxidase 4
Hnrpd	3	Heterogeneous nuclear ribonucleoprotein D
Ddx17	3	DEAD box 17
Hnrpdl	3	Heterogeneous nuclear ribonucleoprotein D-like
Efna5	3	Ephrin-A5
Pmpcb	3	Peptidase β
Ube4b	3	Ubiquitination factor E4B
Cul1	3	Cullin 1
Fem1b	3	Fem-1 homolog b
Antxr1	3	Anthrax toxin receptor 1
Wnt2	3	Wingless- MMTV integration site 2
Rbpj	3	Recombination signal binding protein J
Fgf1	3	Fibroblast growth factor 1
Antxr2	3	Anthrax toxin receptor 2
Plxnd1	3	Plexin D1
Rspo1	3	R-spondin homolog
Tnik	3	TRAF2 & NCK interacting kinase
Dpagt1	3	Dolichyl-phosphate N-acetylglucosaminephosphotransferase 1
Epha4	3	EPH receptor A4
Rassf3	3	Ras association 3
Fat4	3	FAT tumor suppressor homolog 4
Rasgrp3	3	RAS guanyl releasing protein 3
Adora2a	3	Adenosine A2a receptor
Gng11	3	Guanine nucleotide binding protein , γ 11
P2rx1	3	Purinergic receptor P2X, ligand-gated ion channel, 1
Map2k1	3	Mitogen-activated protein kinase kinase 1
Lzic	3	Leucine zipper & CTNNBIP1 containing
Acvr2a	3	Activin A receptor, IIA
Bex1	3	Brain expressed, X-linked 1
Ednra	3	Endothelin receptor A
Prkci	3	Protein kinase C, iota
Gimap6	3	Gtpase, IMAP 6
Hgf	3	Hepatocyte growth factor

Table S4. Genes associated with cancer showing circadian oscillations in expression

Symbol	Cluster	Gene name
Pdgfa	3	Platelet-derived growth factor α
Armcx2	3	Armadillo repeat containing, X-linked 2
Figf	3	C-fos induced growth factor
Arnt2	3	Aryl-hydrocarbon receptor nuclear translocator 2
Thra	3	Thyroid hormone receptor, α
Hdac3	3	Histone deacetylase 3
Smarce1	3	Swi/snf related, actin dependent regulator of chromatin e1
Lmo2	3	LIM only 2
Nfat5	3	Nuclear factor of activated T-cells 5, tonicity-responsive
Satb1	3	SATB homeobox 1
Tead1	3	TEA 1
Prdm1	3	PR containing 1, with ZNF
C1d	3	C1D nuclear receptor co-repressor
Prdm16	3	PR containing 16
Ewsr1	3	Ewing sarcoma breakpoint region 1
Kdm3a	3	Lysine -specific demethylase 3A
Fubp3	3	Far upstream element binding protein 3
Stard3	3	Star-related lipid transfer containing 3
Slc39a7	3	Solute carrier 39 , 7
Lamp2	3	Lysosomal-associated membrane protein 2
Amph	3	Amphiphysin
Prtfdc1	4	Phosphoribosyl transferase containing 1
Trp53inp1	4	Tumor protein p53 inducible nuclear protein 1
Dock1	4	Dedicator of cytokinesis 1
Mll5	4	Myeloid/lymphoid or mixed-lineage leukemia 5
Maged1	4	Melanoma antigen D, 1
Mtss1	4	Metastasis suppressor 1
Fbln5	4	Fibulin 5
Tnc	4	Tenascin C
Gpc4	4	Glypican 4
Chl1	4	Cell adhesion molecule with homology to L1CAM
Serpinb9	4	Serpin peptidase inhibitor, clade B , 9
Scp2	4	Sterol carrier protein 2
Cpt1a	4	Carnitine palmitoyltransferase 1A
Khdrbs1	4	KH containing, RNA binding, signal transduction associated 1
Fus	4	Fused in sarcoma
Srpk2	4	SFRS protein kinase 2
Hnrnpk	4	Heterogeneous nuclear ribonucleoprotein K
Hnrnpa1	4	Heterogeneous nuclear ribonucleoprotein A1
Htra2	4	Htra serine peptidase 2
Egfl6	4	EGF-like-, multiple 6
Slit2	4	Slit homolog 2

Table S4. Genes associated with cancer showing circadian oscillations in expression

Symbol	Cluster	Gene name
Ptprd	4	Protein tyrosine phosphatase, receptor , D
Tfpi	4	Tissue factor pathway inhibitor
Ppp6c	4	Protein phosphatase 6, catalytic subunit
Fyn	4	FYN oncogene related to SRC, FGR, YES
Ptch1	4	Patched homolog 1
Flt4	4	Fms-related tyrosine kinase 4
Asap1	4	Arfgap with SH3 , ankyrin repeat & PH 1
Angpt1	4	Angiopoietin 1
Rgs2	4	Regulator of G-protein signaling 2, 24kda
Dab2	4	Disabled homolog 2
Flt1	4	Fms-related tyrosine kinase 1
Fgfr2	4	Fibroblast growth factor receptor 2
Mapk1	4	Mitogen-activated protein kinase 1
Gas6	4	Growth arrest-specific 6
Tbk1	4	TANK-binding kinase 1
Grlf1	4	Glucocorticoid receptor DNA binding factor 1
Setdb1	4	SET , bifurcated 1
Etv5	4	Ets variant 5
Eya4	4	Eyes absent homolog 4
Cited2	4	Cbp/p300-interacting transactivator, 2
Rbm3	4	RNA binding protein 3
Slc12a6	4	Solute carrier 12 , 6
Heph	4	Hephaestin
Marcks	4	Myristoylated alanine-rich protein kinase C substrate
Nell1	5	NEL-like 1
Rb1cc1	5	RB1-inducible coiled-coil 1
Wasl	5	Wiskott-Aldrich syndrome-like
Adam33	5	ADAM metallopeptidase 33
Frat2	5	Frequently rearranged in advanced T-cell lymphomas 2
Rere	5	Arginine-glutamic acid dipeptide repeats
Hbp1	5	HMG-box transcription factor 1
Arid4a	6	AT rich interactive 4A
Rbbp6	6	Retinoblastoma binding protein 6
Gadd45b	6	Growth arrest & DNA-damage-inducible, β
Cdk8	6	Cyclin-dependent kinase 8
Rgc32	6	Response gene to complement 32
Ndrg2	6	NDRG 2
Wee1	6	WEE1 homolog
Mgp	6	Matrix Gla protein
Itga6	6	Integrin, α 6
Adamts1	6	ADAM metallopeptidase with thrombospondin 1 , 1
Alcam	6	Activated leukocyte cell adhesion molecule

Table S4. Genes associated with cancer showing circadian oscillations in expression

Symbol	Cluster	Gene name
Aoc3	6	Amine oxidase, copper containing 3
Rdh10	6	Retinol dehydrogenase 10
Mt2A	6	Metallothionein 2A
Cast	6	Calpastatin
Fkbp5	6	FK506 binding protein 5
Prkar2a	6	Protein kinase, camp-dependent, regulatory, II, α
Ddit4	6	DNA-damage-inducible transcript 4
Lifr	6	Leukemia inhibitory factor receptor α
Vipr1	6	Vasoactive intestinal peptide receptor 1
Lrp6	6	Low density lipoprotein receptor-related protein 6
Tgfbr3	6	Transforming growth factor, β receptor III
Rock2	6	Rho-associated, coiled-coil containing protein kinase 2
Map3k2	6	Mitogen-activated protein kinase kinase kinase 2
Robo2	6	Roundabout, axon guidance receptor, homolog 2
Dlg2	6	Discs, large homolog 2
Irs2	6	Insulin receptor substrate 2
Gria3	6	Glutamate receptor, ionotrophic, AMPA 3
Ppl	6	Periplakin
Lpar1	6	Lysophosphatidic acid receptor 1
Hlf	6	Hepatic leukemia factor
Klf9	6	Kruppel-like factor 9
Klf15	6	Kruppel-like factor 15
Bhlhe40	6	Basic helix-loop-helix , e40
Zhx3	6	Zinc fingers & homeoboxes 3
Per3	6	Period homolog 3
Ctdspl	6	CTD small phosphatase-like
Hey1	6	Hairy/enhancer-of-split related with YRPW 1
Nfib	6	Nuclear factor I/B
Csrnp1	6	Cysteine-serine-rich nuclear protein 1
Cebpd	6	CCAAT/enhancer binding protein , δ
Dnmt3a	6	DNA -methyltransferase 3 α
Rora	6	RAR-related orphan receptor A
Klf6	6	Kruppel-like factor 6
Ncoa3	6	Nuclear receptor coactivator 3
Eif4b	6	Eukaryotic translation initiation factor 4B
Eef2k	6	Eukaryotic elongation factor-2 kinase
Steap2	6	Six transmembrane epithelial antigen of the prostate 2
Timp3	7	TIMP metallopeptidase inhibitor 3
Timp4	7	TIMP metallopeptidase inhibitor 4
Cd163	7	CD163 molecule
Fmo2	7	Flavin containing monooxygenase 2
Sult1a1	7	Sulfotransferase , cytosolic, 1A, phenol-preferring, 1

Table S4. Genes associated with cancer showing circadian oscillations in expression

Symbol	Cluster	Gene name
Cdo1	7	Cysteine dioxygenase, I
Smpd3	7	Sphingomyelin phosphodiesterase 3, neutral membrane
Psen1	7	Presenilin 1
Ctgf	7	Connective tissue growth factor
Plxna2	7	---
Areg	7	Amphiregulin
Nrg4	7	Neuregulin 4
Ptprg	7	Protein tyrosine phosphatase, receptor , G
Sik1	7	Salt-inducible kinase 1
Tsc22d3	7	TSC22 , 3
Baz2a	7	Bromo adjacent to zinc finger , 2A
Mybl1	7	V-myb myeloblastosis viral oncogene homolog -like 1
Mlc1	7	Megalencephalic leukoencephalopathy with subcortical cysts 1
Sncg	8	Synuclein, γ
Tdg	8	Thymine-DNA glycosylase
Reln	8	Reelin
Hspb1	8	Heat shock 27kda protein 1
Plcb1	UC	Phospholipase C, β 1
Ppp1r7	UC	Protein phosphatase 1, regulatory subunit 7