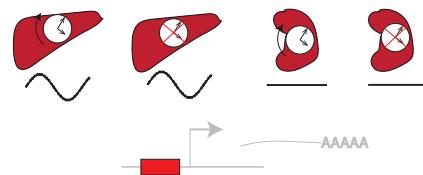


Supplemental Figure S4

A



24

IKZF2

EGR

TFDP1

12
ZT

JUN

18

TGIF1

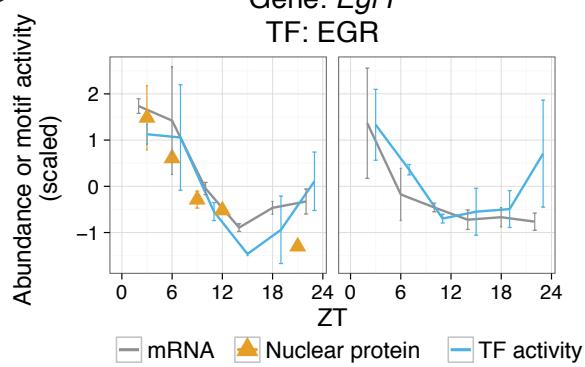
ATF5_CREB3

MAFB

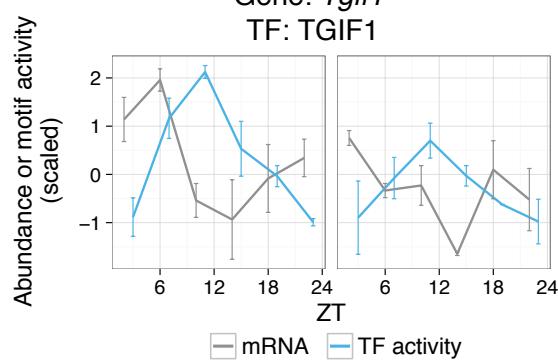
Activity [A.U.]

B

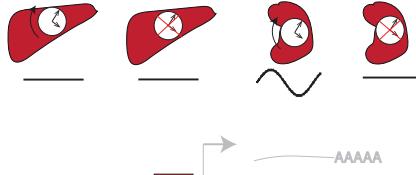
Gene: *Egr1*
TF: EGR



Gene: *Tgif1*
TF: TGIF1



C



24

EBF1

18

E2F1..5

TFCP2

6

NFE2L1

12

FOXP3

ZT

SPZ1

0

KLF4

24

MTF1

18

GFI1B

6

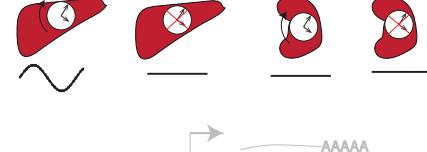
DBP

12

EVI1

ZT

D



24

HOXA4.D4.

RUNX1..3

POU3F1..4

HNF4A_NR2F1.2

EVI1

SPIB

ELF

PAX5

TBX4.5

NR3C1

FOXD3

KLF4

NKX3.1

Activity [A.U.]

1.5

6

0.0

18

12

ZT

Supplemental Figure S4 - TF regulators associated with tissue-specific rhythmic gene expression

- (A) Predicted activities of TF motifs associated with system-driven liver-rhythmic module (left).
- (B) Predicted TF activity (solid line), nuclear protein abundance (if available, triangles), and mRNA accumulation (dotted) oscillate in both WT and *Bmal1* KO. Error bars in nuclear protein, mRNA, and TF activity are SEM ($n=2$).
- (C,D) Predicted activities of TF motifs associated with clock-driven kidney-rhythmic (C), and clock-driven liver-rhythmic (D) module represented by the first component of complex-valued SVD. Motifs with z-score > 1.25 are shown. Candidate TFs shown in Figure 4B,D,F are displayed in bold.