

0

NPAS2

PER3

ARNTL

CLOCK

NPAS2

CLOCK

ARNTL

NFIL3

CRY1

CRY1

 $\frac{3\pi}{2}$  $\frac{\pi}{2}$ 

PER2

PER2

NR1D1

NFIL3

BHLHE41

NR1D1

CRY2

HLF

TEF

PER3

PER1

CIART

DBP

NR1D2

CIART

TEF

BHLHE41

NR1D2

DBP1

 $\pi$ 

CRY2



Estimated Acrophases

Ideal Acrophases

10

20

30

40

50

 $-\log(\text{BHQ value})$ 