

S9 Fig. Detailed sequence of the *pT2-*aanat2*:EGFP-2A- Δ clocka-5 \times MYC* transgenic construct. Color coding as indicated.

Underlined: pT2KXIG Δ in vector backbone

zebrafish *aanat2* Pineal-Restrictive Downstream Module (PRDM)

1.65 kb of the 5'-flanking region and the 5'-UTR of zebrafish *aanat2*

EGFP CDS

2A peptide linker

Δ CLK CDS (encoding the first 396 amino acids of zebrafish CLOCKa)

5 \times Myc tag

SV40 poly(A) signal

...CAGAGGTGTA AAAAGTACTCAAAAATTTTACTCAAGTGAAAGTACAAGTACTTAGGGAAAATTTTACTCAATTA AAAAGTAAAAGTATC
TGGCTAGAATCTTACTTGGTAAAGTAAAAGTACTCCATTA AAAATTTGACTTGGAGTATTAAGGAAGTAAAAGTAAAAGCAAGAAAG
AAAAGTAAAGTATCTTGTGTTAAGCTTTTAATCTCAAAAACATTA AATGAAATGCATACAAGGTTTATCCTGCCTTAGAACTGTTTGT
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TTGGCAAAGAATTCCTCGACGGATCC**TCGAGACACCGCAGTATATATCACACTCTTCAAAAAGCTGGCACATTTGATCAGATTATCTGCC**
TTTAGAAACAGCTGACACTCGAAGGAGATGCTGCCGTTTCCAGCCGCATGATCTGTAGTAGTAATCAAAGAGAGTGTACGCTGAGCTGC
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