

Fig. S1. Circuit diagrams for the clock models.



Fig. S2. Core circadian markers in O. tauri under photoperiodic entrainment.



Fig. S3. O. tauri rhythms under constant light.



Fig. S4. Short day to long day transitions of O. tauri transcriptional markers.



Fig. S5. Reproducibility of short day to long day transition in *A. thaliana* for thr GIGANTEA gene.



Fig. S6. Loop flexibility confers phase flexibility.



Fig. S7. Singular value spectra for the entrained clock models.

Figure Legend References

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