

Supplementary material

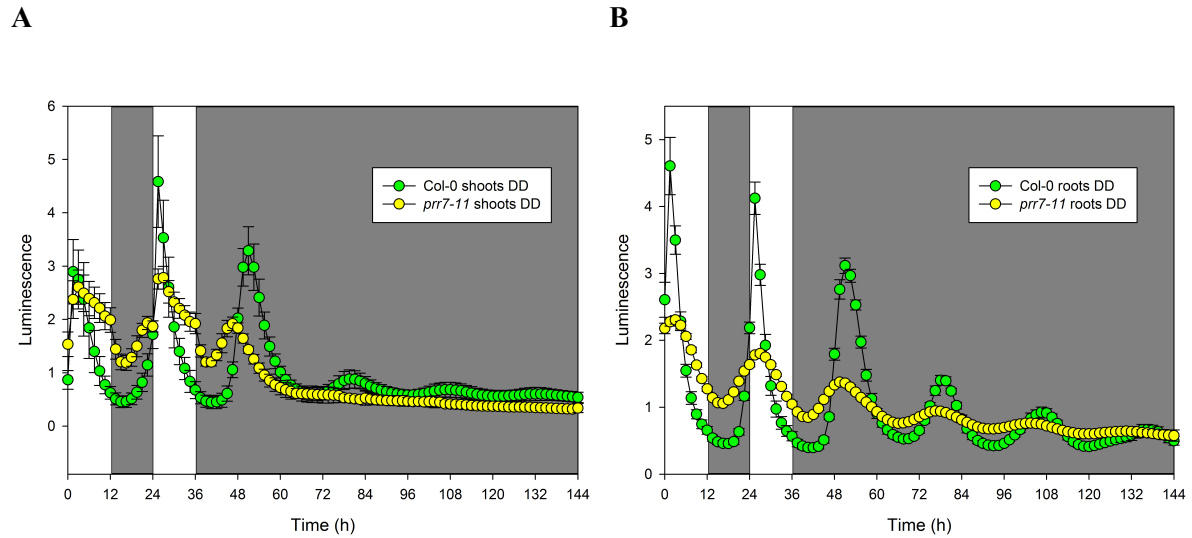
Arabidopsis thaliana PRR7 provides circadian input to the CCA1 promoter in shoots but not roots

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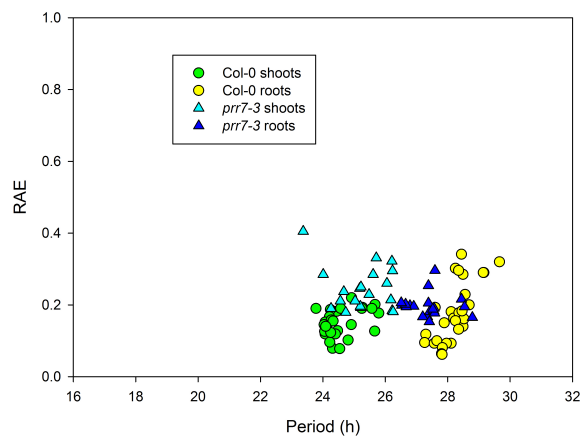
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Figure S1 *prp7-11* shoots are arrhythmic in DD



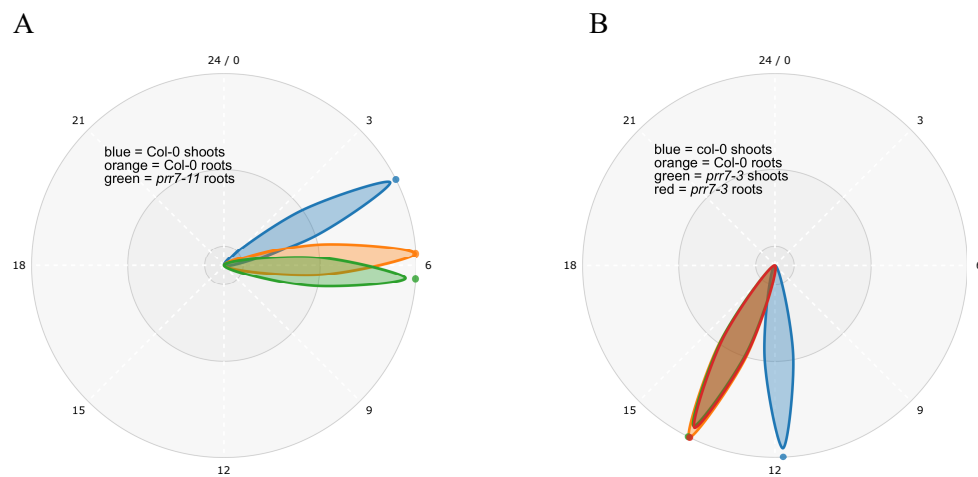
The data show mean \pm SD luminescence for Col-0 and *prp7-11* shoots (A) and roots (B) expressing CCA1::LUC (n = 14 replicates) in two LD cycles followed by DD.

Figure S2 Period and robustness of rhythms in Col-0 and *prp7-3*



Period and RAE data for Col-0 (circles) and *prp7-3* (triangles) are from individual traces in the experiment shown in Fig. 4.

Figure S3 Effects of *prp7* mutation on phase



Average circadian phases were calculated relative to subjective dawn using the individual time courses in the experiments shown in Fig. 1A,B and Fig. 4A,B, see <https://biodare2.ed.ac.uk/documents/phases>.

Table S1 Effect of light intensity on period in Col-0 and *prp7-11*

Sample	Period \pm SD (h)	Period \pm SD (h)	P value
	Intensity 50 $\mu\text{mol/m}^2/\text{s}$	Intensity 5 $\mu\text{mol/m}^2/\text{s}$	
Col-0 shoots	24.40 \pm 0.30	27.94 \pm 0.41	<0.0001
Col-0 roots	28.21 \pm 0.84	30.08 \pm 0.54	<0.0001
<i>prp7-11</i> roots	25.47 \pm 1.45	29.24 \pm 0.90	<0.0001

The P values are for 50 vs 5 $\mu\text{mol/m}^2/\text{s}$ by Student's t test with n = 16 replicates in all cases. *prp7-11* shoots are not included because of their lack of robustness.

DATA AVAILABILITY

The data that support the findings of this study are available at biodare2.ed.ac.uk, experiment numbers 19235, 19437 and 19781.