

## Supplementary Tables

**Table S1.** Gene of the species that were not used in this study and deleted due to their partial/short sequences.

Specie	Gene ID
<i>Arabidopsis lyrata</i>	AL8G36710.t2
	AL6G52690.t1
<i>Arabidopsis halleri</i>	Araha.20024s0001.1.p
<i>Fragaria ananassa</i>	S29_maker-Fvb5-1-snap-gene-91.65-mRNA-1
	S29_maker-Fvb4-3-augustus-gene-246.20-mRNA-1
<i>Fragaria vesca</i>	gene37163-v2.0.a2-hybrid.t2
<i>Cerasus yedoensis</i>	S16_CYE_r3.1SPE4_g004370.1
<i>Malus baccata</i>	S10_MABA036231
<i>Malus domestica</i>	MD14G1204500
	MD07G1182300
<i>Potentilla micrantha</i>	S23_8925_t
<i>Prunus persica</i>	Prupe.5G197800.1.p
<i>Prunus dulcis</i>	S20_Prudul26A024659P1
<i>Prunus mume</i>	S17_Pm024864
<i>Prunus yedoensis</i>	S22_Pyn_C2490.49
	S22_Pyn_C0034.46
	S22_Pyn_C2268.2
<i>Pyrus betulifolia</i>	S14_GWHPAAYT018966
<i>Pyrus bretschneideri</i>	S15_rna4054
<i>Rosa multiflora</i>	S32_Rmu_co8346237.1_g000001.1
<i>Vitis vinifera</i>	VIT_217s0000g06520.1
	VIT_217s0000g06560.1

**Table S2.** Primers used in VIGS for amplification of genes fragments of *Rosa chinensis*.

Gene Name	Primer
<i>RcPRR1a</i>	F: TAGATAGGAGCAAGGTGAGG R: AGACCTCATCCTGTGCCGAC
<i>RcPRR5</i>	F: AAGAACAATGGCGGAGGTGG R: CCTTGCCTTCAGTATTTCCC

**Table S3.** Primers used for qPCR to check the relative expression of clock *PRRs* in *Rosa chinensis*.

Gene Name	Primers
<i>RcPRR1a</i>	F: ATTGCCTGCCCATGCTTCGT
	R: GCTGCGGCATGATTGTCAT
<i>RcPRR5</i>	F: TGTTCAGGGCTGCTCCAGAGA
	R: ACGCTGCTCTGCAAGCTTCT
<i>RcCO</i>	F: GATACCACCGAGGACGGGTT
	R: CAGGACGCAGCCTCATCTTC
<i>RcFT</i>	F: TGCCGAGCTCTACAATCTTGG
	R: CATCACTTGAACCCGCCACT

**Table S4.** Basic Parameters of clock *PRRs* of *Rosa chinensis*.

Gene ID	Gene Name	Location	Chro	AA	CDS	Intron	MW/kDa	PI	Predicted subcellular localization
<i>RchiOBHm_Ch7g0182001</i>	<i>RcPRR1a</i>	3406338-3411730	7	535	1608	5	60139.19	5.77	Nucleus
<i>RchiOBHm_Ch7g0181991</i>	<i>RcPRR1b</i>	3400868-3402542	7	186	570	3	21258.23	4.48	Chloroplast
<i>RchiOBHm_Ch1g0382871</i>	<i>RcPRR5</i>	67470339-67474553	1	683	2086	7	75938.56	6.25	Nucleus
<i>RchiOBHm_Ch1g0364431</i>	<i>RcPRR3</i>	55607081-55612137	1	761	2324	7	83837.41	5.86	Nucleus
<i>RchiOBHm_Ch3g0468241</i>	<i>RcPRR7</i>	14299140-14304817	3	754	2302	8	82454.83	8.31	Mitochondrion