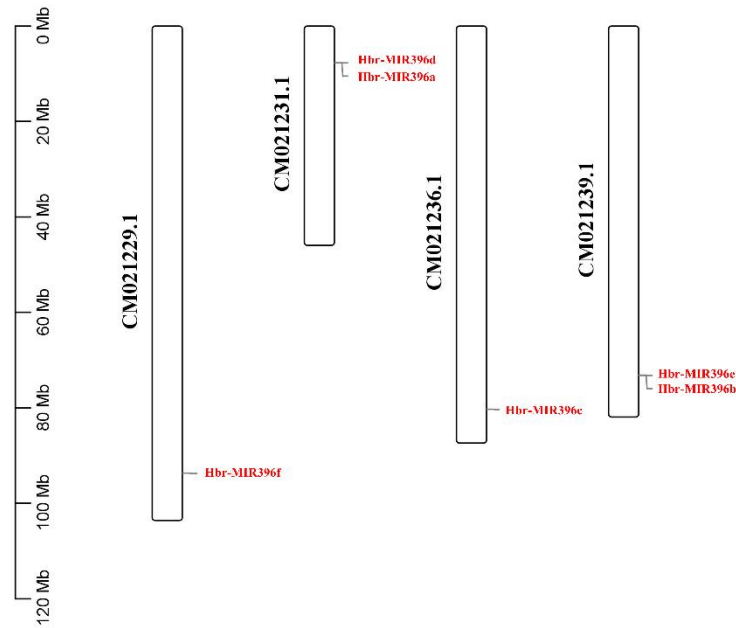
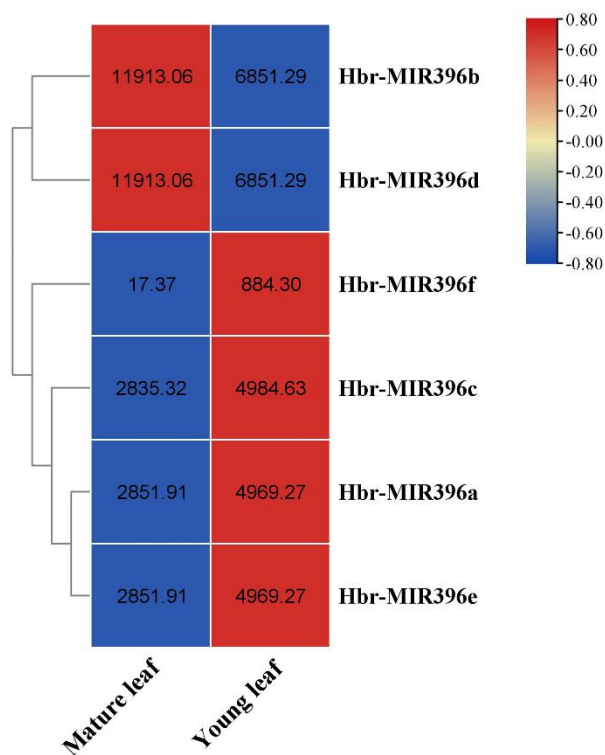
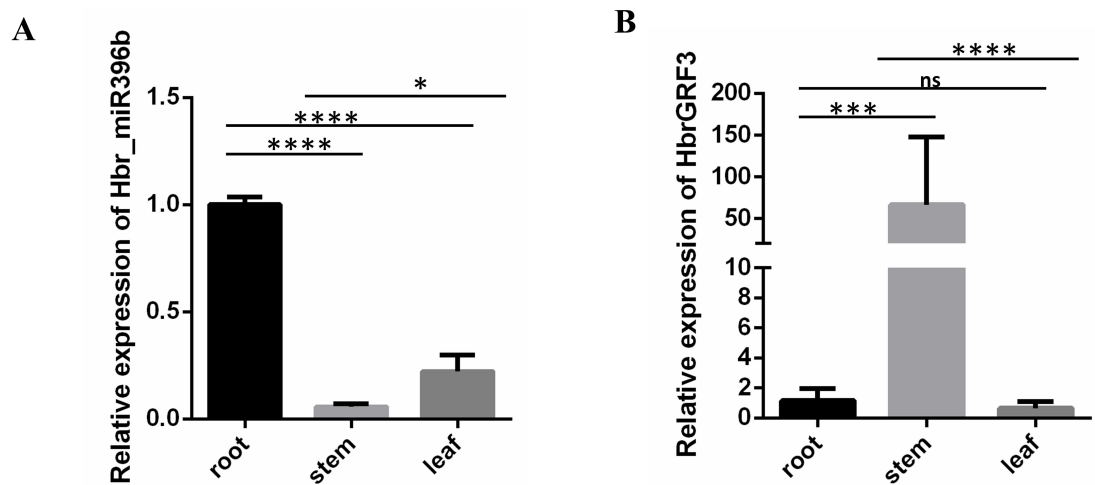




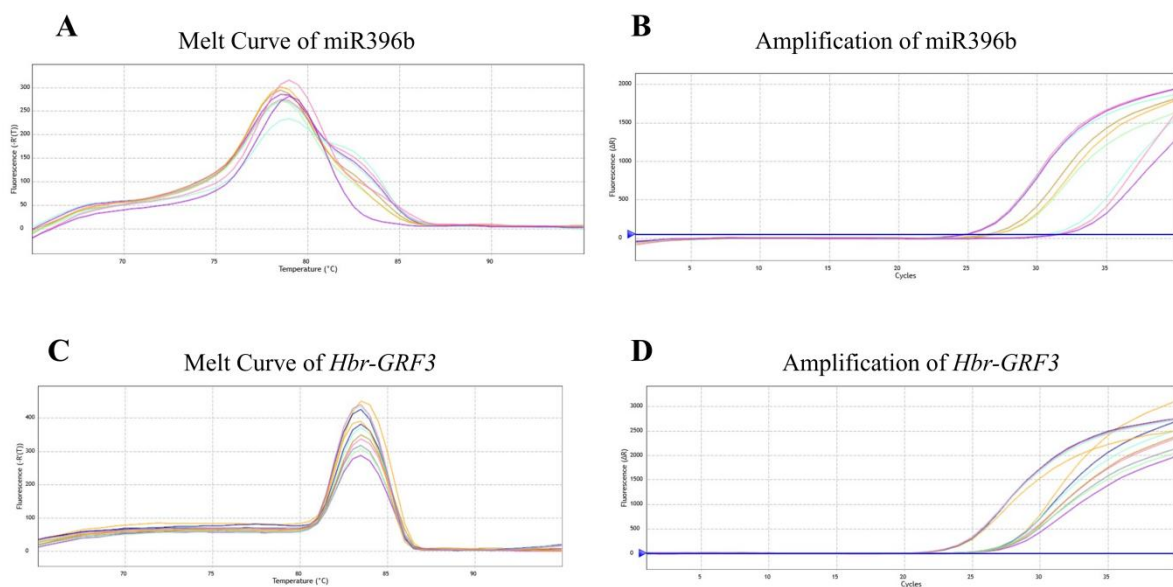
Supplementary Figure 1. Chromosome location of Hbr-MIR396 family members.



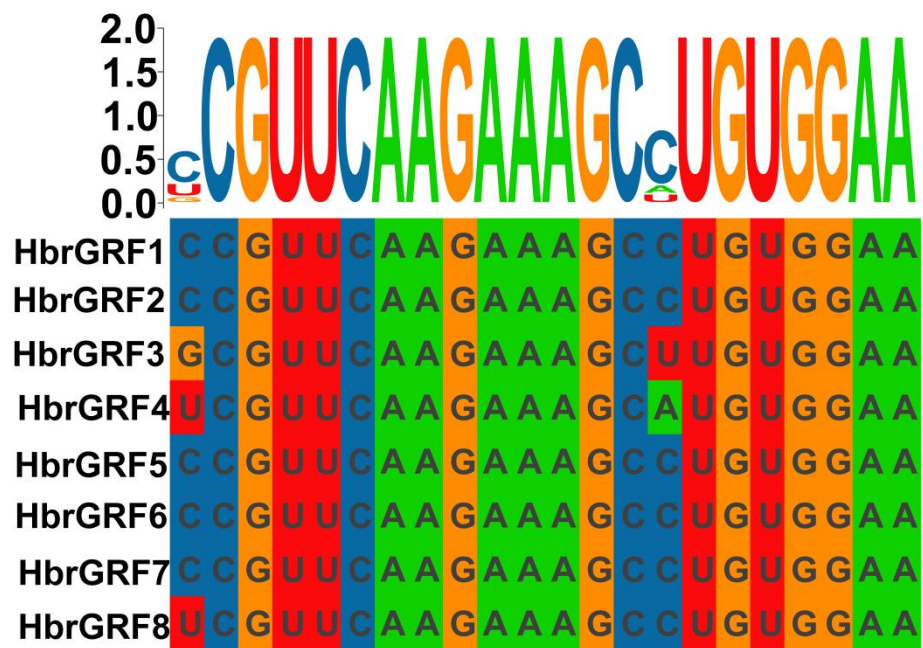
Supplementary Figure 2. The specific expression of Hbr-MIR396 members in mature and young leaves tissue. The color key represents normalized expression values (FPKM) of the Hbr-MIR396 members.



Supplementary Figure 3. The relative transcript levels of *Hbr-miR396b* (A) and *Hbr-GRF3* (B) in different tissues (root, stem, and leaves) of rubber tree.



Supplementary Figure 4. Melt Curve and Amplification plots of miR396b (A and B) *Hbr-GRF3* (C and D) are presented.



Supplementary Figure 5. Sequence alignment of the *Hbr-miR396* complementary sequences with the target sites in *HbrGRF* genes

Supplementary Table 1. Oligonucleotide primers used for qPCR

Primer name	Primer sequence (5' to 3')
F_HbrGRF3	GGTTAGGACTTGCGCTTGGA
R_HbrGRF3	AGATTTTGTGCAGTCGGGGA
F-Hbr-miR396b	GCGTTCCACAGCTTTCTTGAAGT
F-Ubiquitin	ATGCAGCACCGGGAATAAGT
R-Ubiquitin	GGTCATCAGGGTTTGGAGCA
F-U6	CATCCGATAAAATTGGAACG
R-U6	GATTTGTGCGTGTCATCCTT

Supplementary Table 2. The detailed targeting location and sequence information of *GRFs* targeted by *Hbr-miR396* members.

miRNA_Acc.	Target_Acc.	Target_start	Target_end	miRNA_aligned_fragment	alignment	Target_aligned_fragment	Inhibition
Hbr-miR396a	GH714_030052	1068	1089	UUCCACA-GCUUUCUUGAACUU	.....	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396a	GH714_009637	391	412	UUCCACA-GCUUUCUUGAACUU	.....	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396a	GH714_021043	1365	1386	UUCCACA-GCUUUCUUGAACUU	.....	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396a	GH714_021081	1367	1388	UUCCACA-GCUUUCUUGAACUU	.....	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396a	GH714_010786	1941	1962	UUCCACA-GCUUUCUUGAACUU	.....	UCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396a	GH714_018771	449	470	UUCCACA-GCUUUCUUGAACUU	.....	UCGUUCAAGAAAGCAUGUGGAA	Cleavage
Hbr-miR396a	GH714_029237	719	740	UUCCAC-AGCUUUCUUGAACUU	.....	GCGUUCAAGAAAGCUUGUGGAA	Cleavage
Hbr-miR396a	GH714_038451	1080	1101	UUCCACA-GCUUUCUUGAACUU	.....	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396b	GH714_038451	1080	1101	UUCCACA-GCUUUCUUGAACUG	:	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396b	GH714_009637	391	412	UUCCACA-GCUUUCUUGAACUG	:	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396b	GH714_030052	1068	1089	UUCCACA-GCUUUCUUGAACUG	:	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396b	GH714_021043	1365	1386	UUCCACA-GCUUUCUUGAACUG	:	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396b	GH714_021081	1367	1388	UUCCACA-GCUUUCUUGAACUG	:	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396b	GH714_010786	1941	1962	UUCCACA-GCUUUCUUGAACUG	.....	UCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396b	GH714_018771	449	470	UUCCACA-GCUUUCUUGAACUG	.....	UCGUUCAAGAAAGCAUGUGGAA	Cleavage
Hbr-miR396b	GH714_029237	719	740	UUCCAC-AGCUUUCUUGAACUG	.....	GCGUUCAAGAAAGCUUGUGGAA	Cleavage
Hbr-miR396c	GH714_021043	1365	1386	UUCCACA-GCUUUCUUGAACUU	.....	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396c	GH714_010786	1941	1962	UUCCACA-GCUUUCUUGAACUU	.....	UCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396c	GH714_021081	1367	1388	UUCCACA-GCUUUCUUGAACUU	.....	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396c	GH714_018771	449	470	UUCCACA-GCUUUCUUGAACUU	.....	UCGUUCAAGAAAGCAUGUGGAA	Cleavage
Hbr-miR396c	GH714_038451	1080	1101	UUCCACA-GCUUUCUUGAACUU	.....	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396c	GH714_029237	719	740	UUCCAC-AGCUUUCUUGAACUU	.....	GCGUUCAAGAAAGCUUGUGGAA	Cleavage
Hbr-miR396c	GH714_030052	1068	1089	UUCCACA-GCUUUCUUGAACUU	.....	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396c	GH714_009637	391	412	UUCCACA-GCUUUCUUGAACUU	.....	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396d	GH714_009637	391	412	UUCCACA-GCUUUCUUGAACUG	:	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396d	GH714_038451	1080	1101	UUCCACA-GCUUUCUUGAACUG	:	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396d	GH714_021043	1365	1386	UUCCACA-GCUUUCUUGAACUG	:	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396d	GH714_021081	1367	1388	UUCCACA-GCUUUCUUGAACUG	:	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396d	GH714_030052	1068	1089	UUCCACA-GCUUUCUUGAACUG	:	CCGUUCAAGAAAGCCUGUGGAA	Cleavage

miRNA_Acc.	Target_Acc.	Target_start	Target_end	miRNA_aligned_fragment	alignment	Target_aligned_fragment	Inhibition
Hbr-miR396d	GH714_010786	1941	1962	UUCCACA-GCUUUCUUGAACUG	:	UCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396d	GH714_018771	449	470	UUCCACA-GCUUUCUUGAACUG	:	UCGUUCAAGAAAGCAUGUGGAA	Cleavage
Hbr-miR396d	GH714_029237	719	740	UUCCAC-AGCUUUCUUGAACUG	:	GCGUUCAAGAAAGCUUGUGGAA	Cleavage
Hbr-miR396e	GH714_018771	449	470	UUCCACA-GCUUUCUUGAACUU	:	UCGUUCAAGAAAGCAUGUGGAA	Cleavage
Hbr-miR396e	GH714_038451	1080	1101	UUCCACA-GCUUUCUUGAACUU	:	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396e	GH714_021043	1365	1386	UUCCACA-GCUUUCUUGAACUU	:	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396e	GH714_030052	1068	1089	UUCCACA-GCUUUCUUGAACUU	:	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396e	GH714_029237	719	740	UUCCAC-AGCUUUCUUGAACUU	:	GCGUUCAAGAAAGCUUGUGGAA	Cleavage
Hbr-miR396e	GH714_009637	391	412	UUCCACA-GCUUUCUUGAACUU	:	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396e	GH714_021081	1367	1388	UUCCACA-GCUUUCUUGAACUU	:	CCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396e	GH714_010786	1941	1962	UUCCACA-GCUUUCUUGAACUU	:	UCGUUCAAGAAAGCCUGUGGAA	Cleavage
Hbr-miR396b	GH714_021081	11235	11255	UUCCACAGCUUUCUUGAACUG	:::	UUGUGGGAGAGAGUUGUGGAA	Cleavage
Hbr-miR396d	GH714_021081	11235	11255	UUCCACAGCUUUCUUGAACUG	:::	UUGUGGGAGAGAGUUGUGGAA	Cleavage

Supplementary Table 3. Summary of sequence information for *GRF* genes from other species used in phylogenetic tree construction.

Gene ID	Species	Rename
Potri.007G007100.1	<i>Populus_trichocarpa</i>	PtrGRF1
Potri.012G022600.1	<i>Populus_trichocarpa</i>	PtrGRF2
Potri.013G077500.1	<i>Populus_trichocarpa</i>	PtrGRF3
Potri.014G007200.1	<i>Populus_trichocarpa</i>	PtrGRF4
Potri.014G012800.1	<i>Populus_trichocarpa</i>	PtrGRF5
Potri.014G071800.1	<i>Populus_trichocarpa</i>	PtrGRF6
Potri.015G006200.1	<i>Populus_trichocarpa</i>	PtrGRF7
Potri.018G065400.1	<i>Populus_trichocarpa</i>	PtrGRF8
Potri.019G042300.1	<i>Populus_trichocarpa</i>	PtrGRF9
CCG001468.1	<i>Populus_euphratica</i>	PeuGRF1
CCG003652.1	<i>Populus_euphratica</i>	PeuGRF2
CCG006318.1	<i>Populus_euphratica</i>	PeuGRF3
CCG010577.1	<i>Populus_euphratica</i>	PeuGRF4
CCG014363.1	<i>Populus_euphratica</i>	PeuGRF5
CCG014365.1	<i>Populus_euphratica</i>	PeuGRF6
CCG015382.1	<i>Populus_euphratica</i>	PeuGRF7
CCG016350.1	<i>Populus_euphratica</i>	PeuGRF8
CCG021012.1	<i>Populus_euphratica</i>	PeuGRF9
CCG021329.1	<i>Populus_euphratica</i>	PeuGRF10
CCG022471.1	<i>Populus_euphratica</i>	PeuGRF11
CCG023815.1	<i>Populus_euphratica</i>	PeuGRF12
CCG024408.1	<i>Populus_euphratica</i>	PeuGRF13
CCG024718.1	<i>Populus_euphratica</i>	PeuGRF14
CCG027670.1	<i>Populus_euphratica</i>	PeuGRF15
CCG029619.1	<i>Populus_euphratica</i>	PeuGRF16
CCG031268.1	<i>Populus_euphratica</i>	PeuGRF17
CCG033904.1	<i>Populus_euphratica</i>	PeuGRF18
CCG034010.1	<i>Populus_euphratica</i>	PeuGRF19
CCG011804.2	<i>Populus_euphratica</i>	PeuGRF20
27496.m000094	<i>Ricinus_communis</i>	RcoGRF1
28976.m000158	<i>Ricinus_communis</i>	RcoGRF2
29700.m000761	<i>Ricinus_communis</i>	RcoGRF3
29706.m001283	<i>Ricinus_communis</i>	RcoGRF4
29739.m003775	<i>Ricinus_communis</i>	RcoGRF5
30068.m002588	<i>Ricinus_communis</i>	RcoGRF6
30170.m013673	<i>Ricinus_communis</i>	RcoGRF7
30174.m008910	<i>Ricinus_communis</i>	RcoGRF8
30190.m011066	<i>Ricinus_communis</i>	RcoGRF9
Manes.01G041800.1.p	<i>Manihot_esculenta</i>	MesGRF1
Manes.01G070800.1.p	<i>Manihot_esculenta</i>	MesGRF2
Manes.01G264700.1.p	<i>Manihot_esculenta</i>	MesGRF3

Manes.02G031200.1.p	<i>Manihot_esculenta</i>	MesGRF4
Manes.03G039500.1.p	<i>Manihot_esculenta</i>	MesGRF5
Manes.04G144700.1.p	<i>Manihot_esculenta</i>	MesGRF6
Manes.05G043700.1.p	<i>Manihot_esculenta</i>	MesGRF7
Manes.05G183900.1.p	<i>Manihot_esculenta</i>	MesGRF8
Manes.08G022300.1.p	<i>Manihot_esculenta</i>	MesGRF9
Accession ID	Species	Rename
Manes.08G160800.1.p	<i>Manihot_esculenta</i>	MesGRF10
Manes.09G059500.1.p	<i>Manihot_esculenta</i>	MesGRF11
Manes.11G020200.1.p	<i>Manihot_esculenta</i>	MesGRF12
Manes.12G117600.1.p	<i>Manihot_esculenta</i>	MesGRF13
Manes.16G096400.1.p	<i>Manihot_esculenta</i>	MesGRF14
Manes.18G049600.1.p	<i>Manihot_esculenta</i>	MesGRF15
AT2G06200.1	<i>Arabidopsis_thaliana</i>	AthGRF1
AT2G22840.1	<i>Arabidopsis_thaliana</i>	AthGRF2
AT2G36400.1	<i>Arabidopsis_thaliana</i>	AthGRF3
AT2G45480.1	<i>Arabidopsis_thaliana</i>	AthGRF4
AT3G13960.1	<i>Arabidopsis_thaliana</i>	AthGRF5
AT3G52910.1	<i>Arabidopsis_thaliana</i>	AthGRF6
AT4G24150.1	<i>Arabidopsis_thaliana</i>	AthGRF7
AT4G37740.1	<i>Arabidopsis_thaliana</i>	AthGRF8
AT5G53660.1	<i>Arabidopsis_thaliana</i>	AthGRF9