Figure.S1

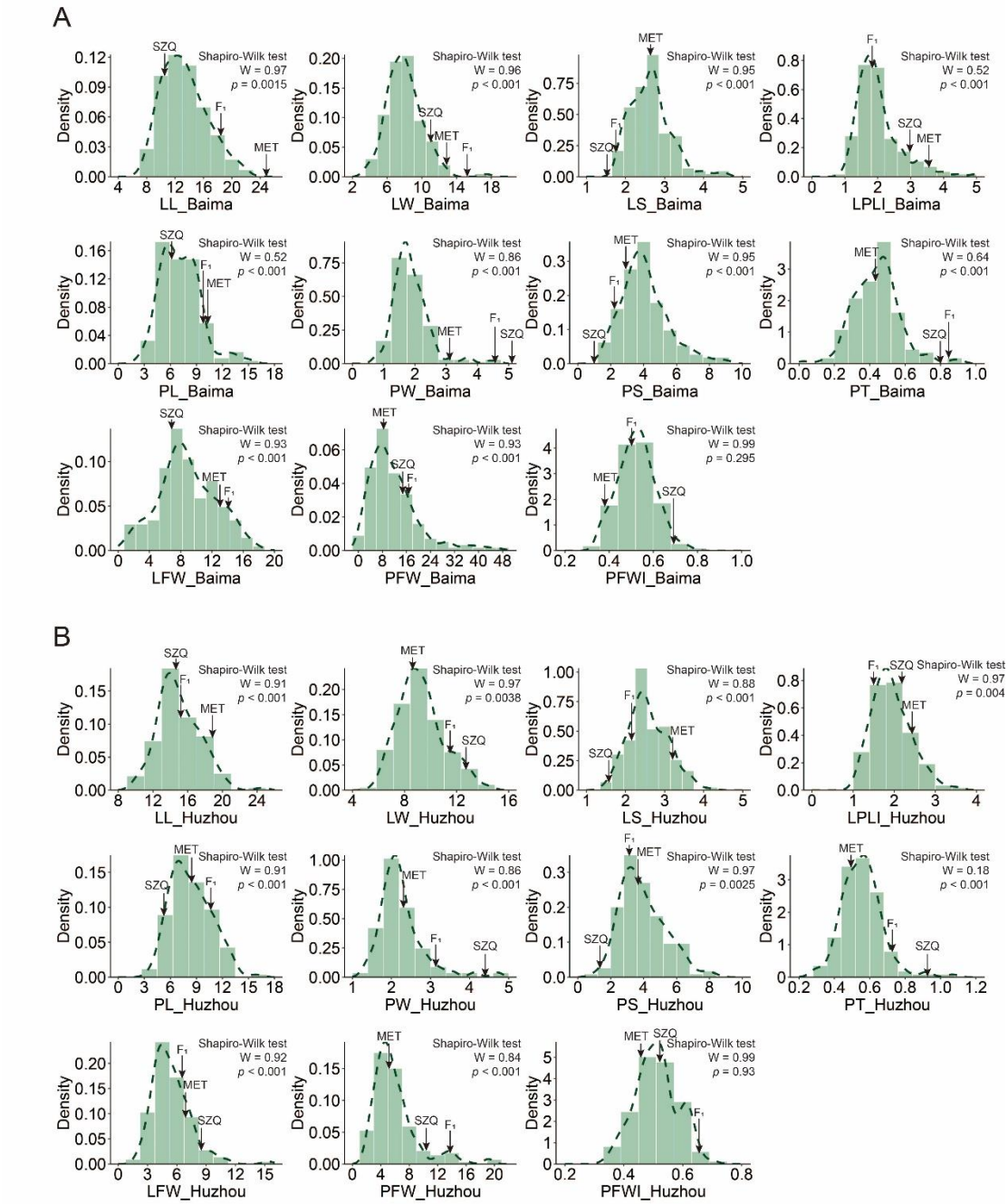


Figure S1 The distribution of 11 leaf-related traits in and RIL populations in Baima and Huzhou. The results of the normality test (Shapiro-Wilk test) are displayed at the upper right corner of each histogram. Arrows indicate the 11 leaf-related traits of each parent and F_1 hybrid. MET: the parental lines 'Maertou'; SZQ: the parental lines 'Suzhouqing'; F_1: the F_1 hybrid.

Figure.S2

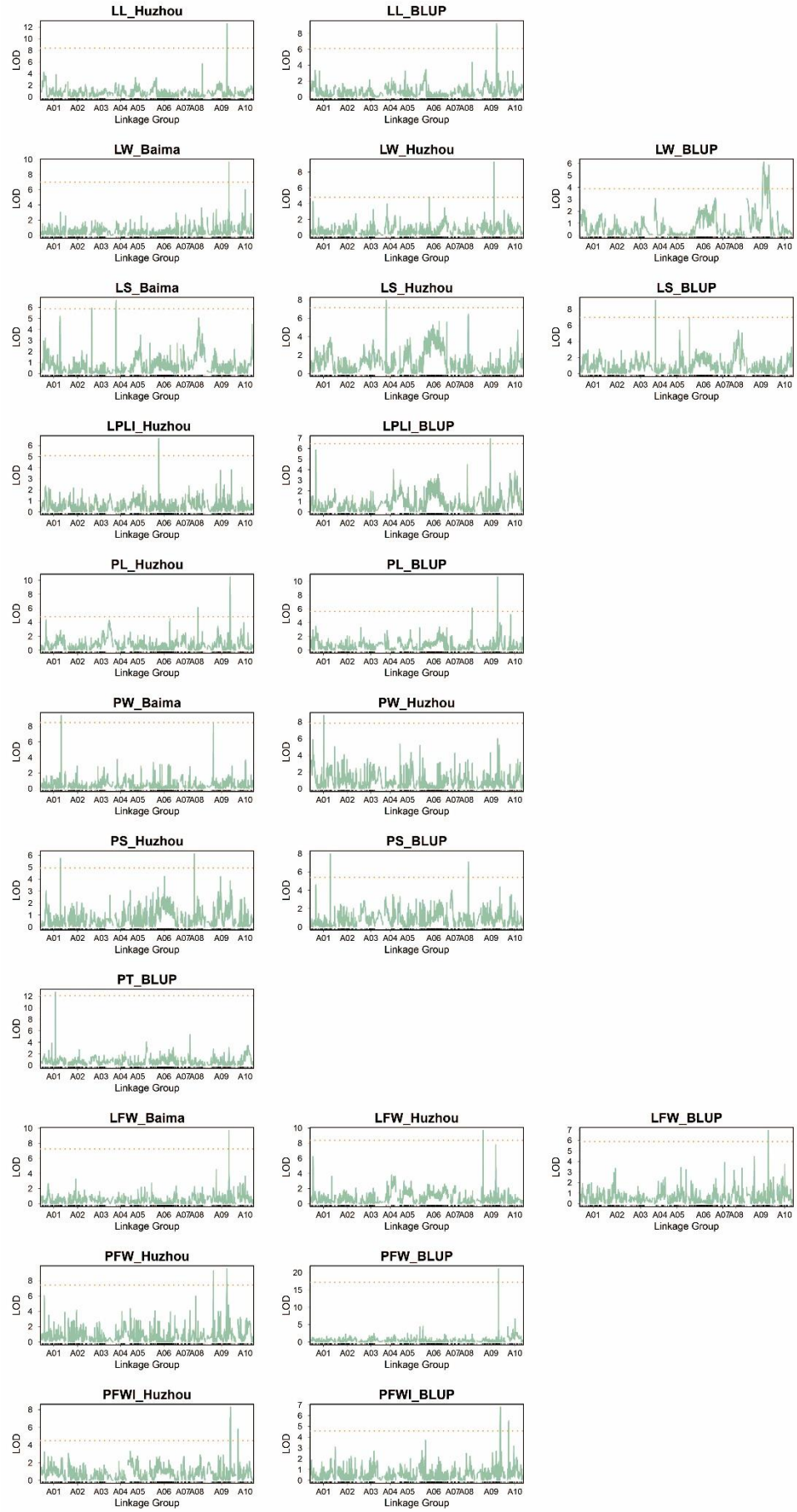

LL_Huzhou
LL_BLUP
LW_Baima
LW_Huzhou
LW_BLUP
LS_Baima
LS_Huzhou
LS_BLUP
LPLI_Huzhou
LPLI_BLUP
PL_Huzhou
PL_BLUP
PW_Baima
PW_Huzhou
PS_Huzhou
PS_BLUP
PT_BLUP
LFW_Baima
LFW_Huzhou
LFW_BLUP
PFW_Huzhou
PFW_BLUP
PFWI_Huzhou
PFWI_BLUP
LOD
Linkage Group
A01 A02 A03 A04 A05 A06 A07A08 A09 A10

Figure S2 Overview of the significant QTL for the 11 leaf-related traits identified in the RIL population using CIM method.

Figure.S3

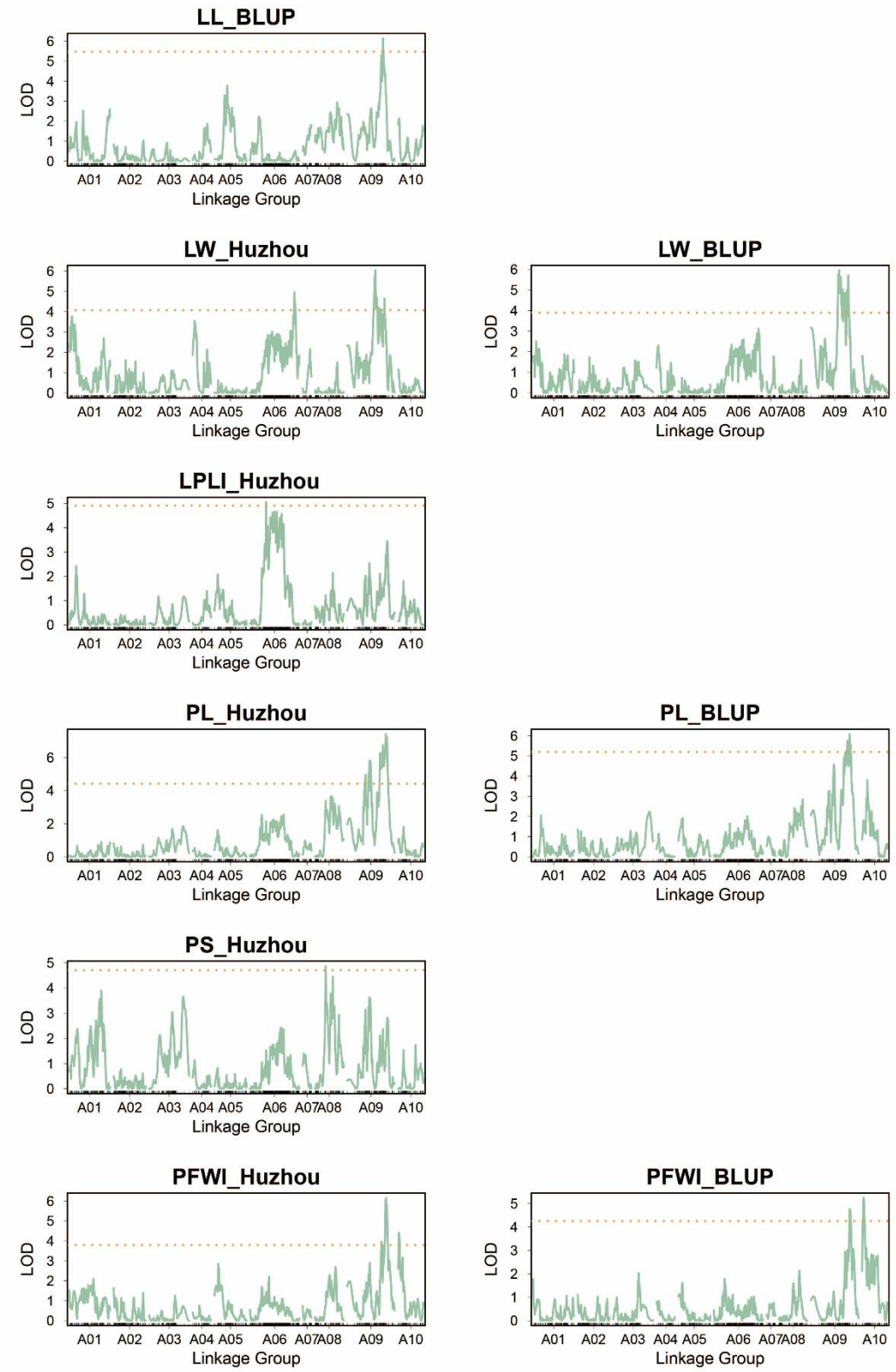
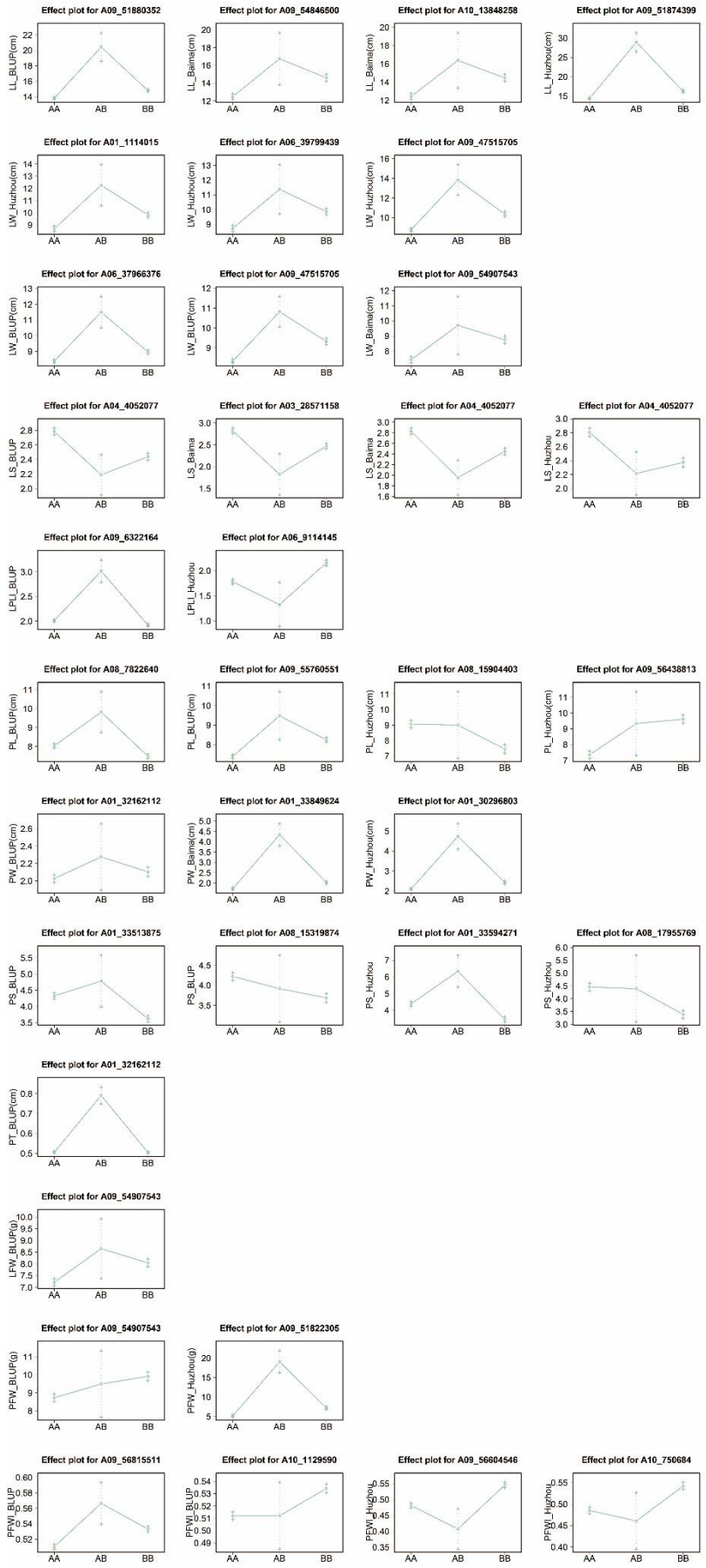


Figure S3 Overview of the significant QTL for the 11 leaf-related traits identified in the RIL population using MQM method.

Figure.S4


Effect plot for A09_51880352
LL_BLUP(cm)
Effect plot for A09_54846500
LL_Baima(cm)
Effect plot for A10_13848258
LL_Baima(cm)
Effect plot for A09_51874399
LL_Huzhou(cm)
Effect plot for A01_1114015
LW_Huzhou(cm)
Effect plot for A06_39799439
LW_Huzhou(cm)
Effect plot for A09_47515705
LW_Huzhou(cm)
Effect plot for A06_37966376
LW_BLUP(cm)
Effect plot for A09_47515705
LW_BLUP(cm)
Effect plot for A09_54907543
LW_Baima(cm)
Effect plot for A04_4052077
LS_BLUP
Effect plot for A03_28571158
LS_Baima
Effect plot for A04_4052077
LS_Baima
Effect plot for A04_4052077
LS_Huzhou
Effect plot for A09_6322164
LPLI_BLUP
Effect plot for A06_9114145
LPLI_Huzhou
Effect plot for A08_7822640
PL_BLUP(cm)
Effect plot for A09_55760551
PL_BLUP(cm)
Effect plot for A08_15904403
PL_Huzhou(cm)
Effect plot for A09_56438813
PL_Huzhou(cm)
Effect plot for A01_32162112
PW_BLUP(cm)
Effect plot for A01_33849624
PW_Baima(cm)
Effect plot for A01_30296803
PW_Huzhou(cm)
Effect plot for A01_33513875
PS_BLUP
Effect plot for A08_15319874
PS_BLUP
Effect plot for A01_33594271
PS_Huzhou
Effect plot for A08_17955769
PS_Huzhou
Effect plot for A01_32162112
PT_BLUP(cm)
Effect plot for A09_54907543
LFW_BLUP(g)
Effect plot for A09_54907543
PFW_BLUP(g)
Effect plot for A09_51822305
PFW_Huzhou(g)
Effect plot for A09_56815511
PFWI_BLUP
Effect plot for A10_1129590
PFWI_BLUP
Effect plot for A09_56604546
PFWI_Huzhou
Effect plot for A10_750684
PFWI_Huzhou
AA
AB
BB

FigS4 Genotypic effects at peak marker locations of QTL for 11 leaf-related traits.
AA and BB genotypes stand for genotype of MET and SZQ, respectively, Error bars are±1 SE.