

Table S1 : Phenotypic correlation among traits in the DH population from the cross IR64xAzucena.

Trait ^a	Δ13C_E1	Δ13C_E2	%N_E1	%N_E2	SLA_E1	SLA_E2	SB_E1	SB_E2	LW_E2	LL_E2	TN_E2	LF_E2
Δ13C_E2	0.65 ^b											
%N_E1	-	-										
%N_E2	-	-	0.54									
SLA_E1	-	-	-	-								
SLA_E2	-0.36	-	-	-	0.73							
SB_E1	-0.37	-	-	-0.47	-	-						
SB_E2	-	-	-	-0.60	-	-	0.69					
LW_E2	-	-0.31	-	-	-	-	-	-				
LL_E2	-	-0.29	-	-0.30	-	-	-	0.45	0.42			
TN_E2	-	-	-	-	-	-	0.35	0.34	-0.38	-		
LF_E2	-	0.35	-	-	-0.49	-0.683	-	-	-	-	-	
LE_E2	-	-	-	-	-	0.339	-	-	-	-	-	-0.67

Table S2 : Phenotypic correlation among traits in the RIL population from the cross IR64xAzucena.

Trait ^a	Δ13C_E3	Δ13C_E4	%N_E3	%N_E4	SLA_E3	LW_E3	LW_E4	LL_E3	LL_E4	TN_E3	TN_E4	LF_E4	LE_E4
Δ13C_E4	0.63 ^b												
%N_E3	-	0.30											
%N_E4	-	0.36	0.66										
SLA_E3	-	-	-	-									
LW_E3	-	-0.27	-	-0.44	-								
LW_E4	-	-0.35	-	-0.40	0.25	0.90							
LL_E3	-	-0.33	-0.42	-0.52	-	0.41	0.36						
LL_E4	-	-0.41	-0.39	-0.523	-	0.44	0.44	0.86					
TN_E3	-	-	-0.32	-0.25	-	-	-	-	-				
TN_E4	-	-	-0.41	-0.43	0.43	-	-	-	-	0.68			
LF_E4	0.23	0.25	0.39	0.41	-0.48	-	-0.21	-	-	-0.32	-0.45		
LE_E4	-	-	-0.32	-0.30	0.33	-	-	-	-	0.40	0.44	-0.61	
RWC_E4	-	-	-	-	-	-	-	-	-	-	-	-0.21	-
A/m2_E3	-	0.30	-	-	-	-0.29	-0.29	-	-	-	-	-	-
A/m2_E4	-	0.31	0.26	0.29	-	-0.41	-0.41	-0.24	-0.26	-	-	-	0.31
Ci/Ca_E3	0.31	-	-	-0.25	-	-	-	-	-	-	0.23	-0.25	0.27

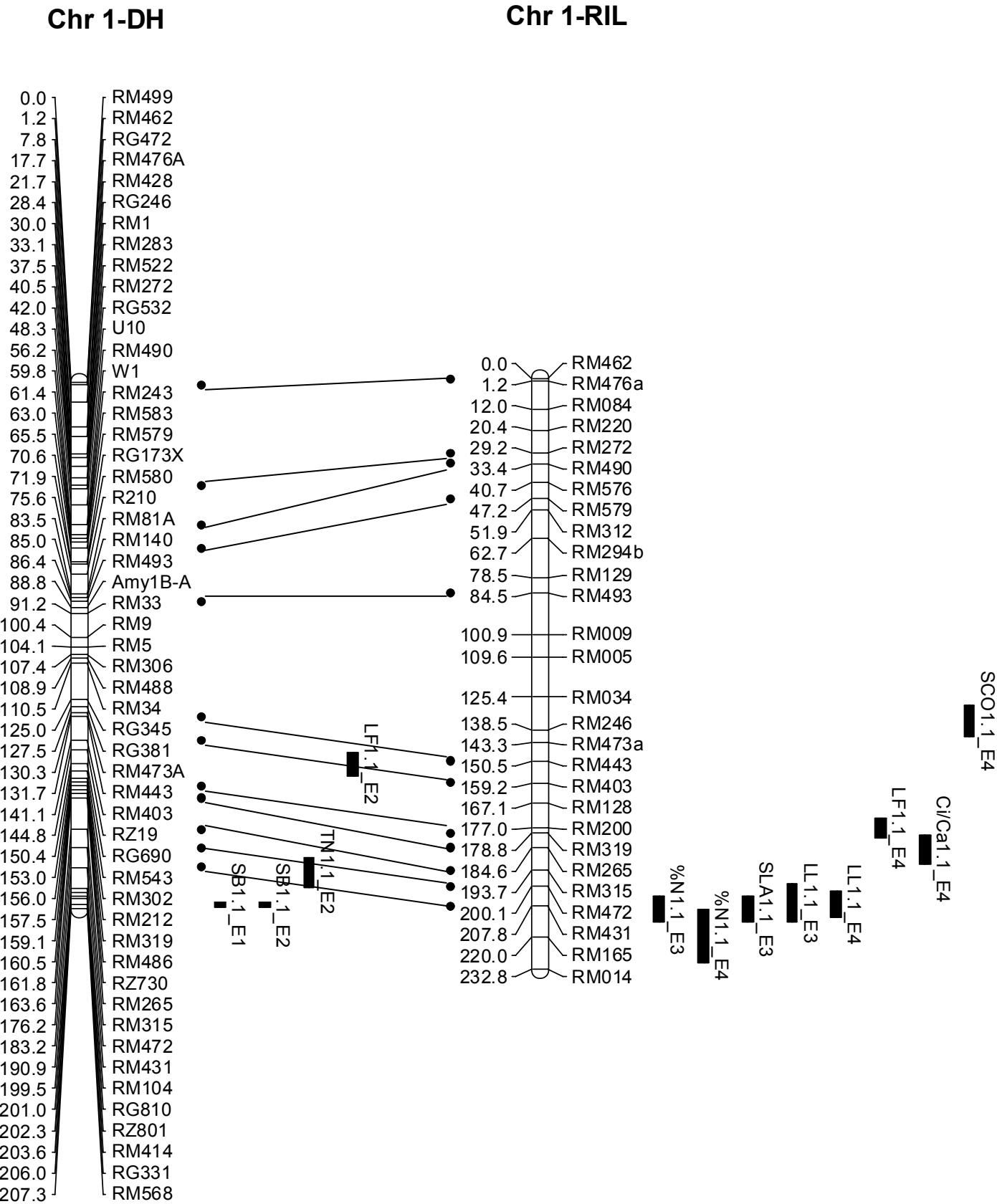
Table S3: Phenotypic correlation among traits in the RIL population from the cross IR64xAzucena (follow).

Trait ^a	A/m2_E3	A/m2_E4	Ci/Ca_E3	Ci/Ca_E4	SCO_E3	SCO_E4	lABA_E3
A/m2_E3							
A/m2_E4	0.48 ^b						
Ci/Ca_E3	0.44	-					
Ci/Ca_E4	0.30	0.43	0.50				
SCO_E3	0.80	0.40	0.86	0.47			
SCO_E4	0.48	0.81	0.43	0.85	0.55		
lABA_E3	-	-	-	-0.34	-	-0.31	
lABA_E4	-	-0.24	-	-0.22	-0.24	-0.27	0.31

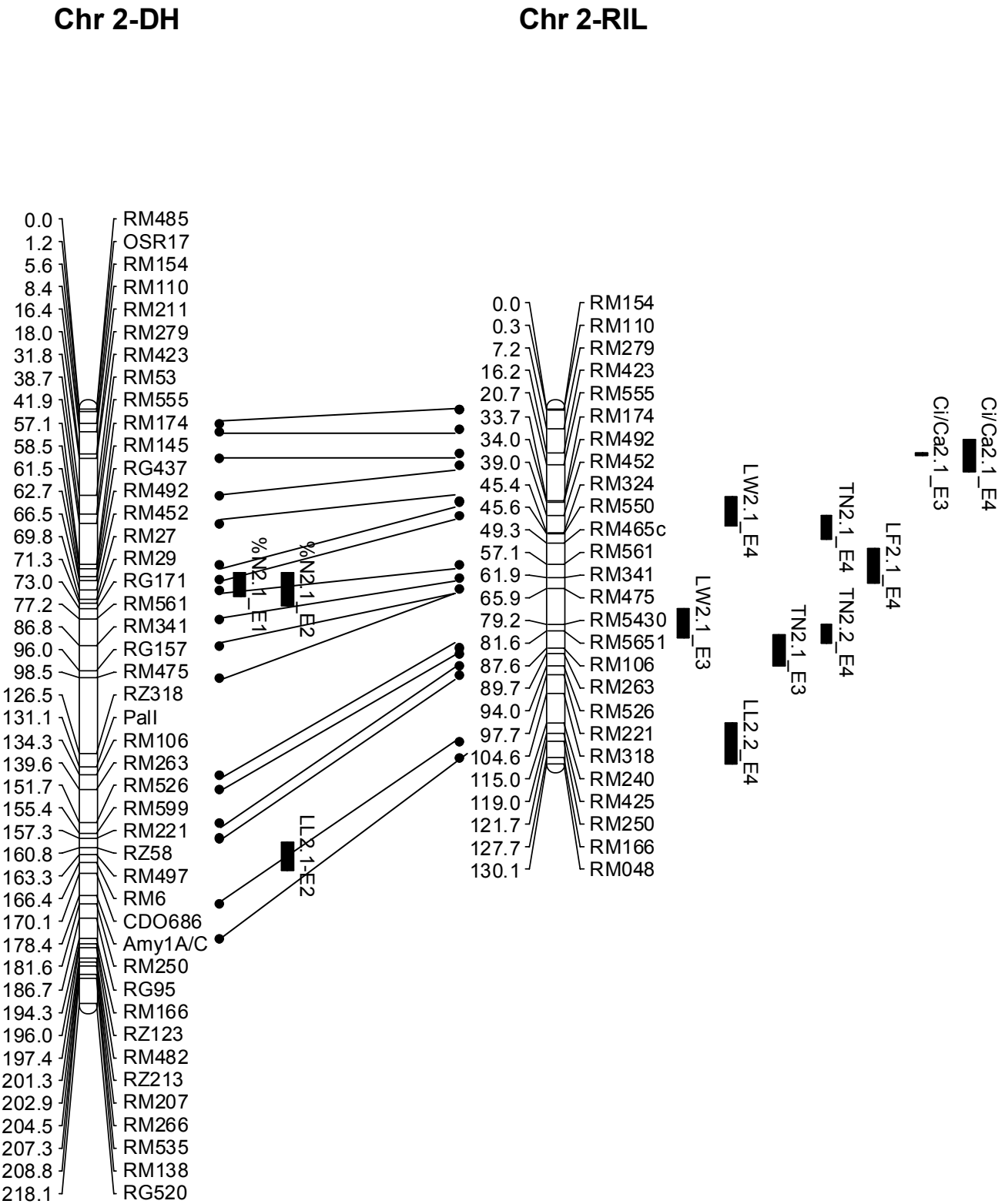
a: Trait abbreviations and Experiments in which traits were evaluated are as in Table 2.

b: Only correlations with P value below 0.01 are presented.

Supplemental Figure 1.1

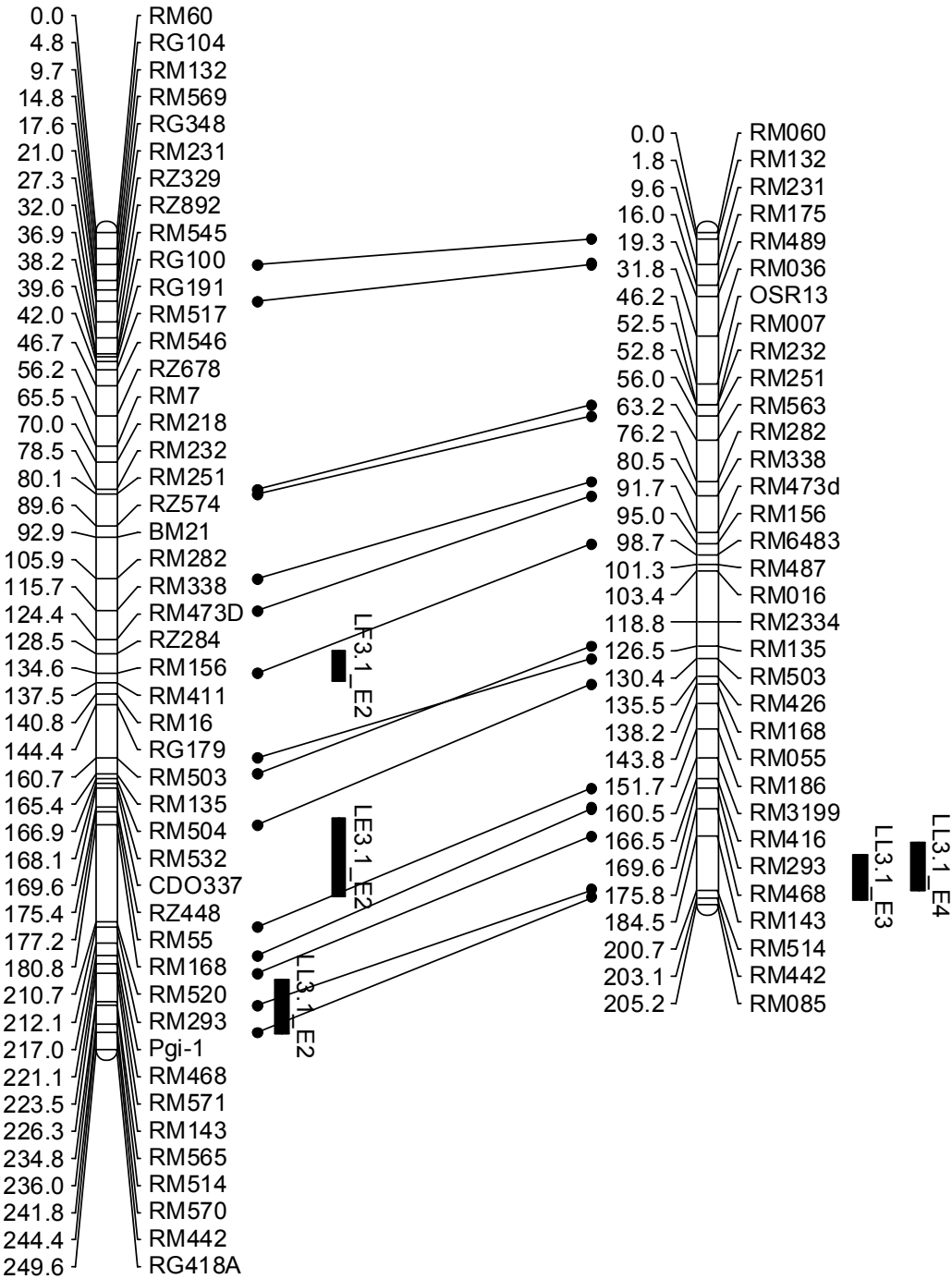


Supplemental Figure 1.2



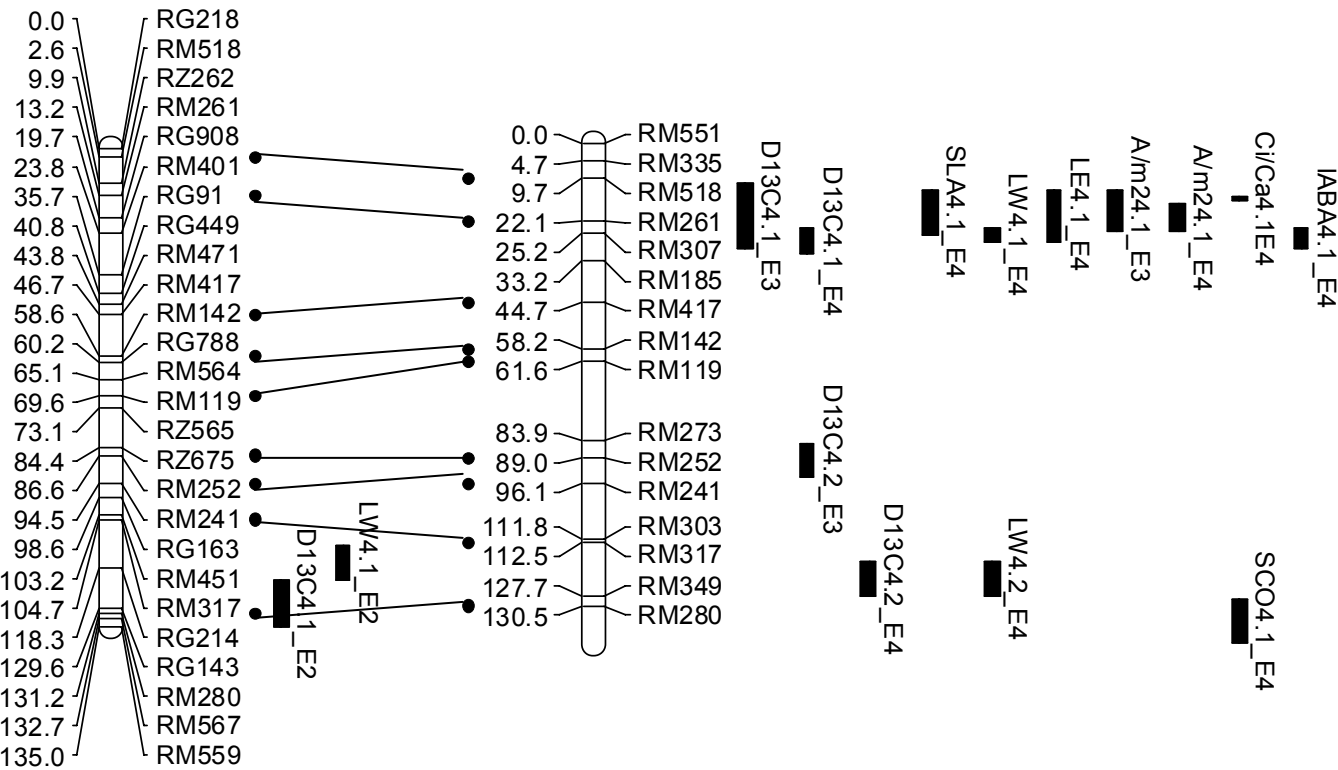
Chr 3-DH

Chr 3-RIL



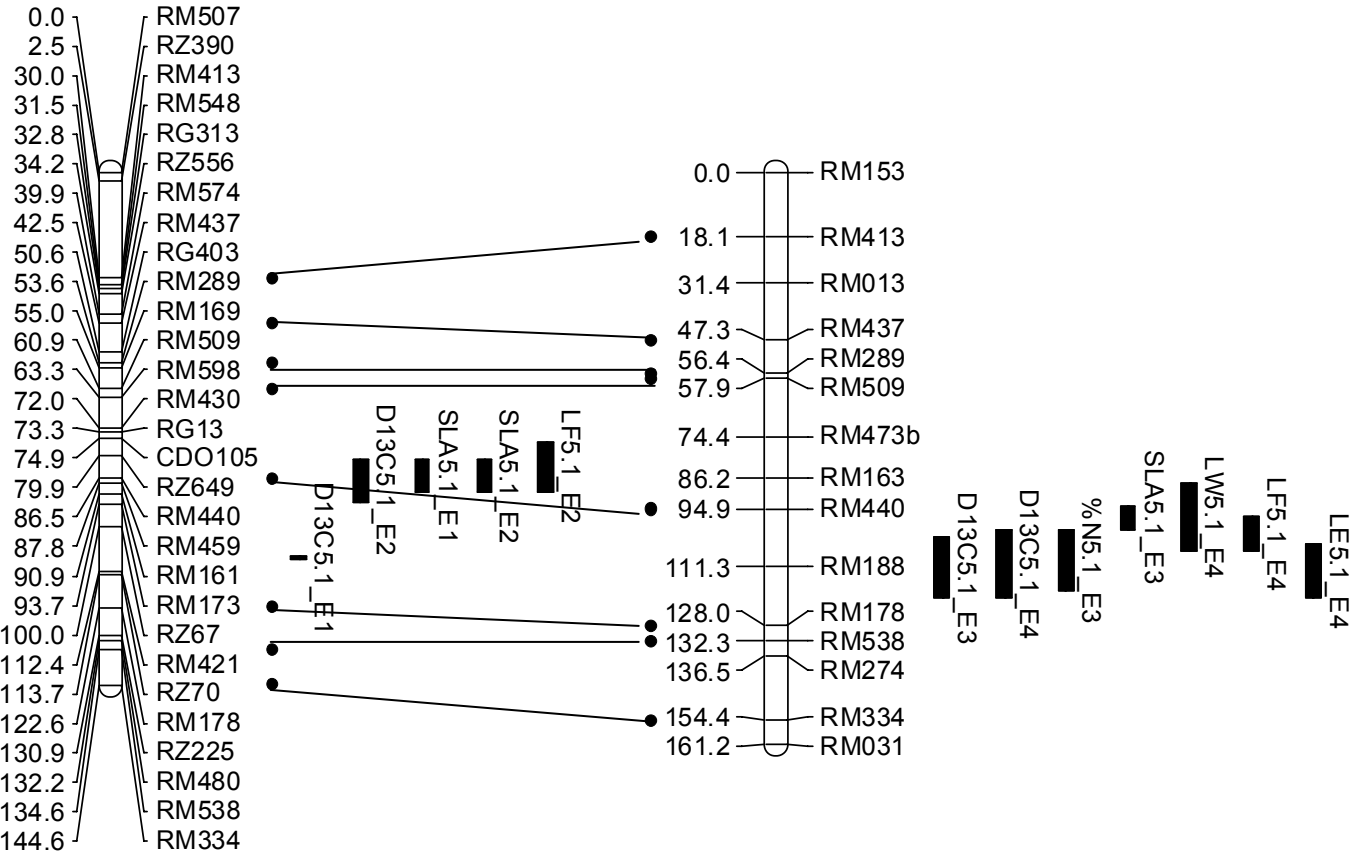
Chr 4-DH

Chr 4-RIL

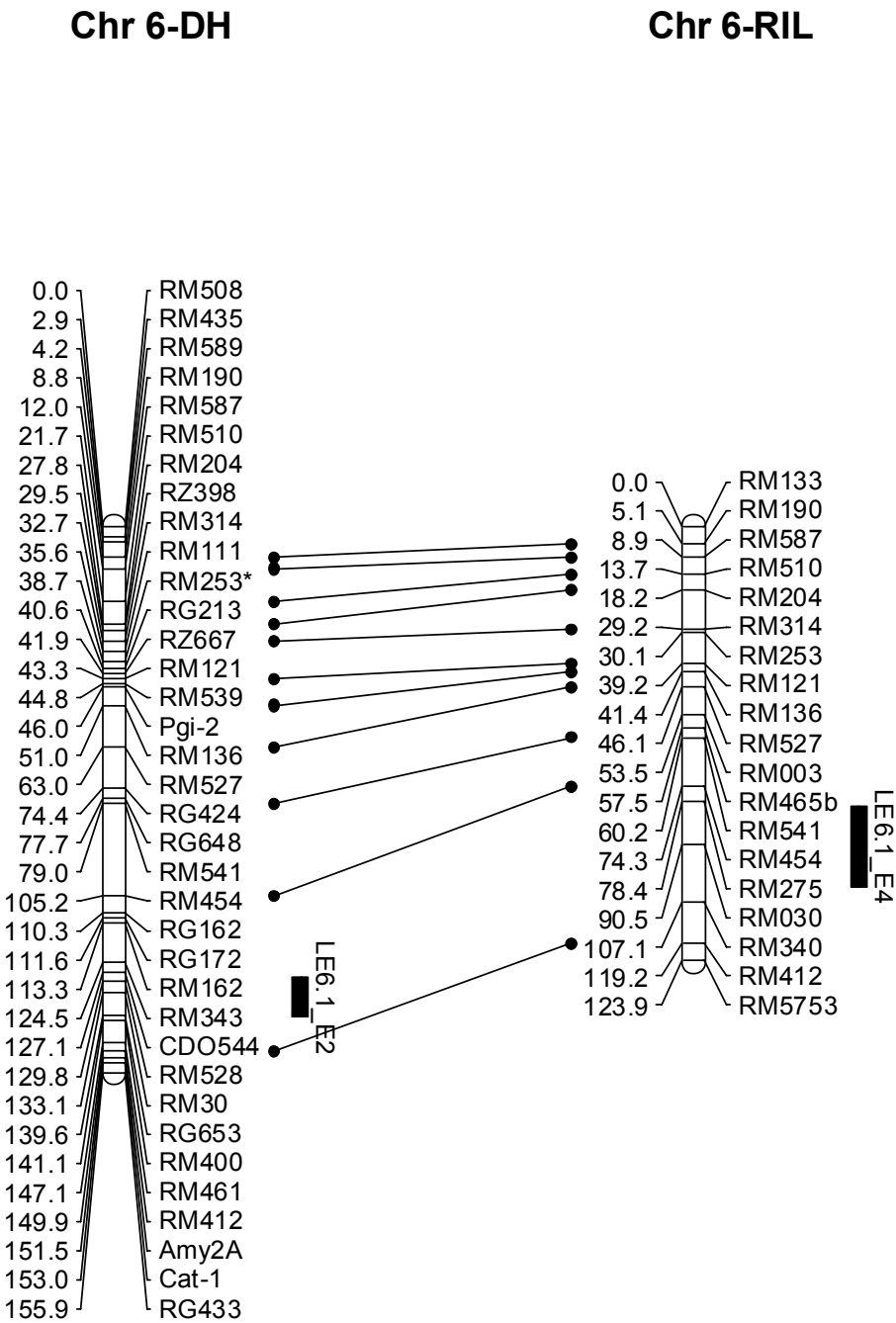


Chr 5-DH

Chr 5-RIL

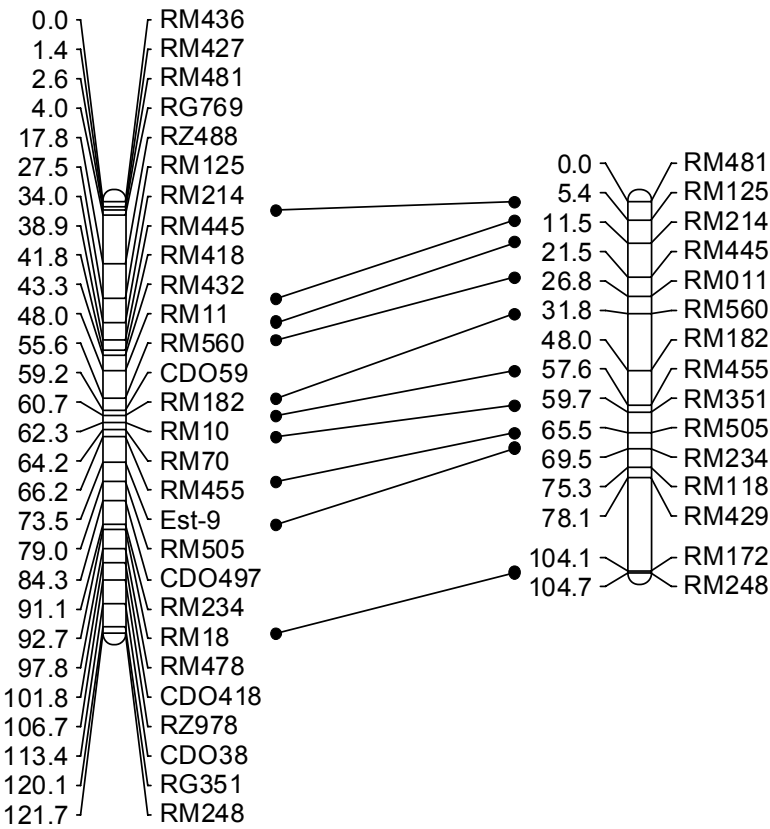


Supplemental Figure 1.6



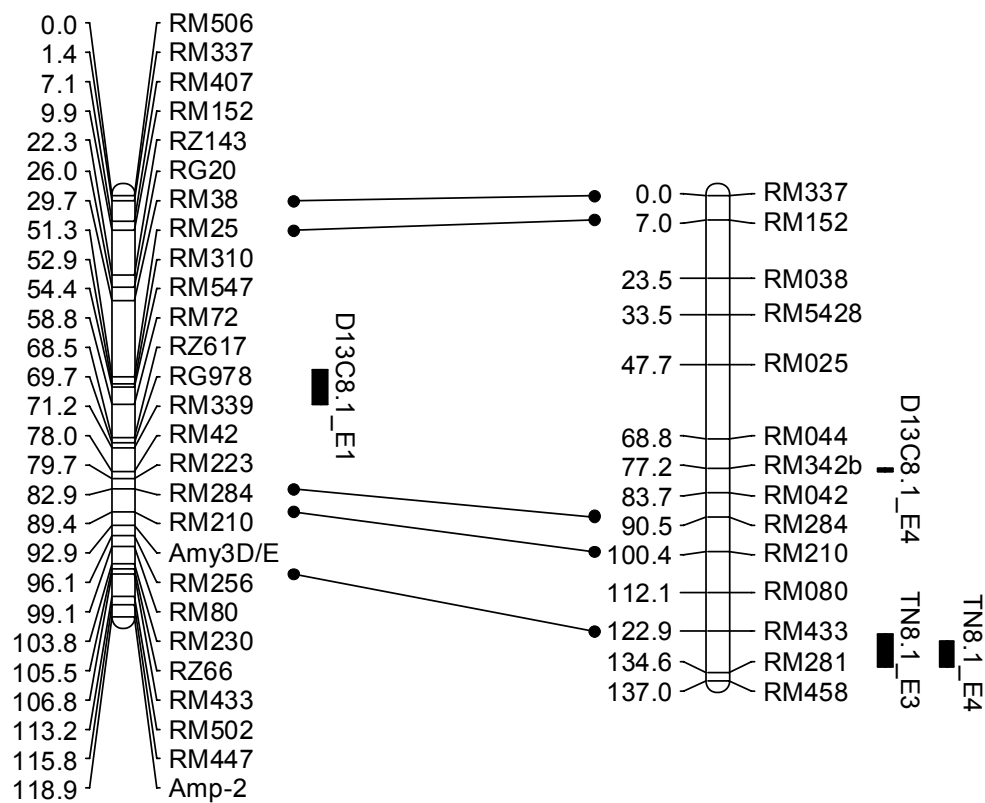
Chr 7-DH

Chr 7-RIL



Chr 8-DH

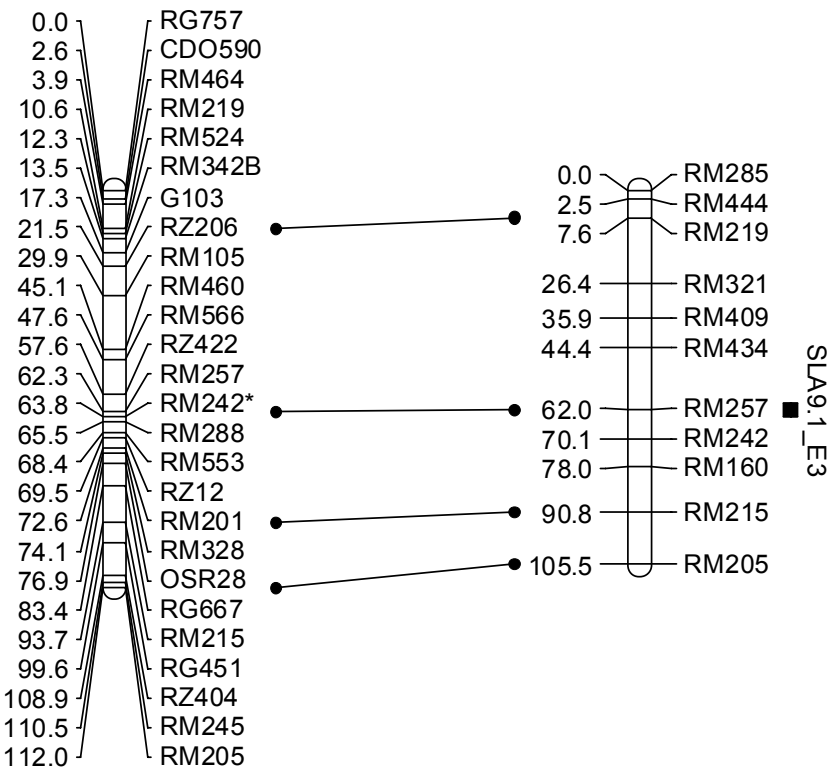
Chr 8-RIL



Supplemental Figure 1.9

Chr 9-DH

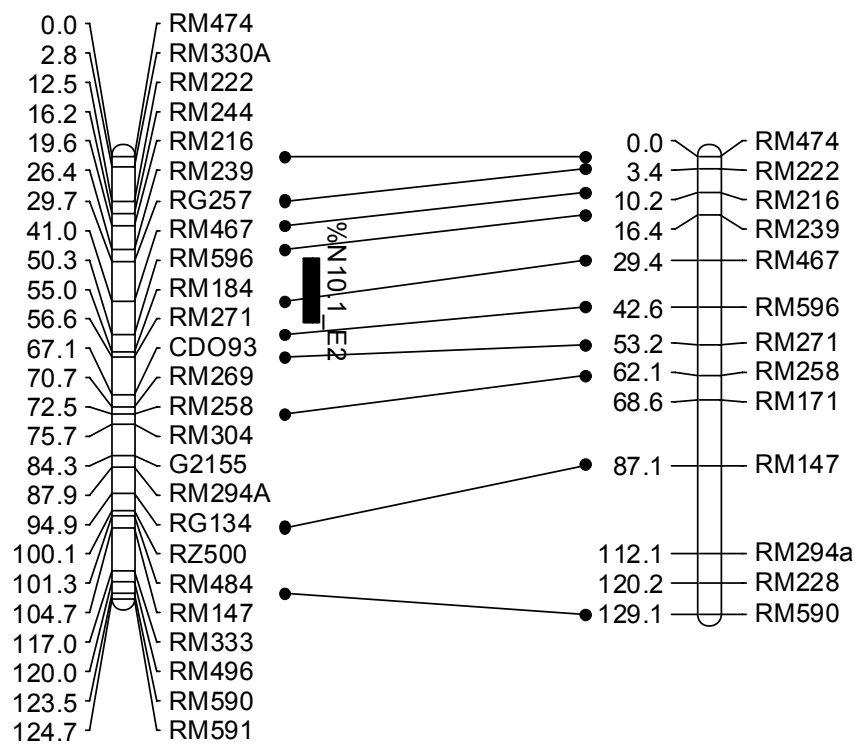
Chr 9-RIL



Supplemental Figure 1.10

Chr 10-DH

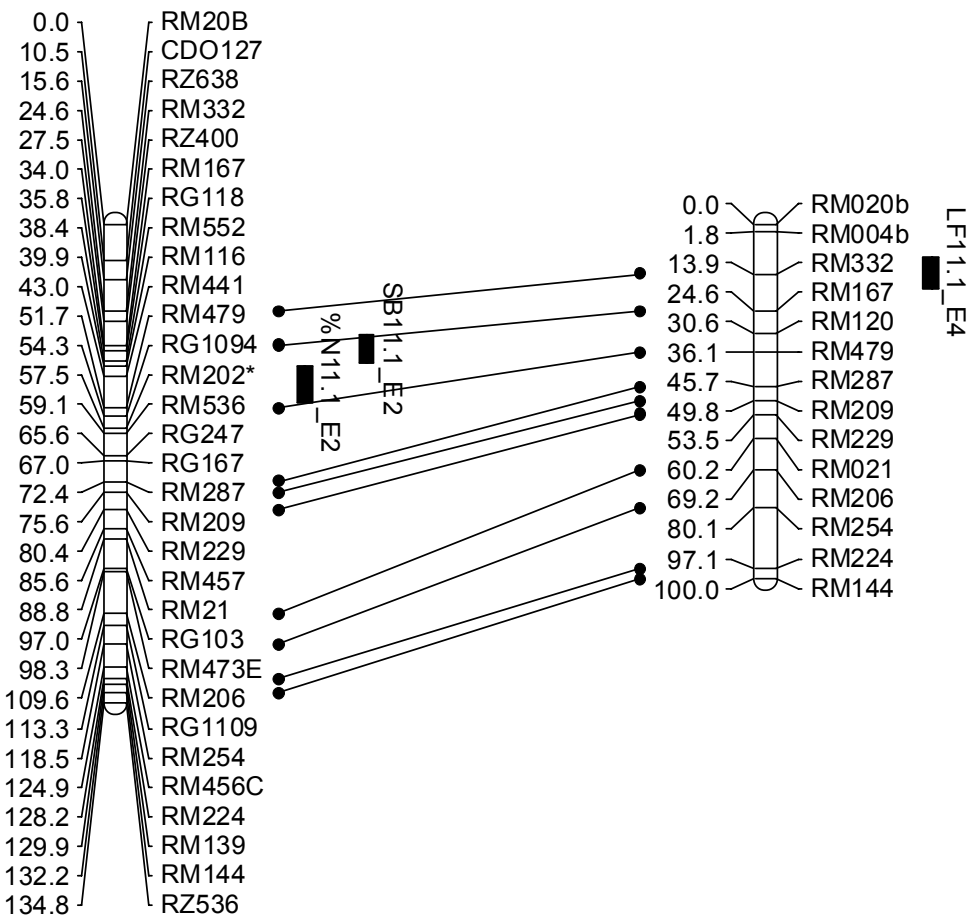
Chr 10-RIL



Supplemental Figure 1.11

Chr 11-DH

Chr 11-RIL



Chr 12-DH

Chr 12-RIL

