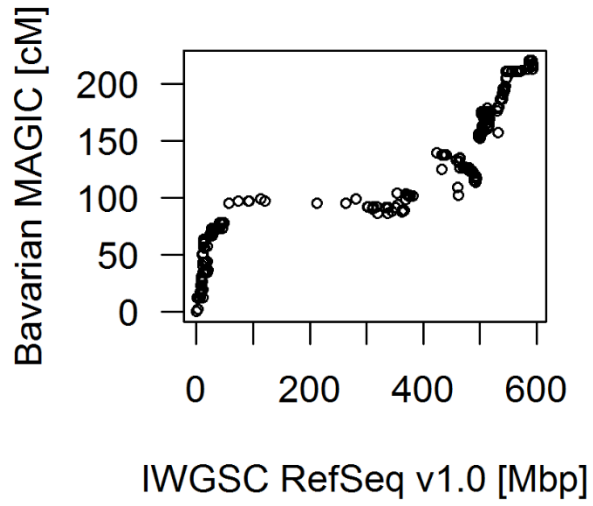
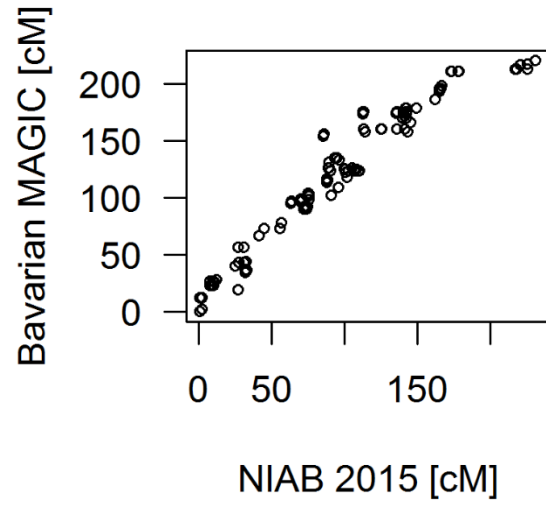


## Chromosome 1A

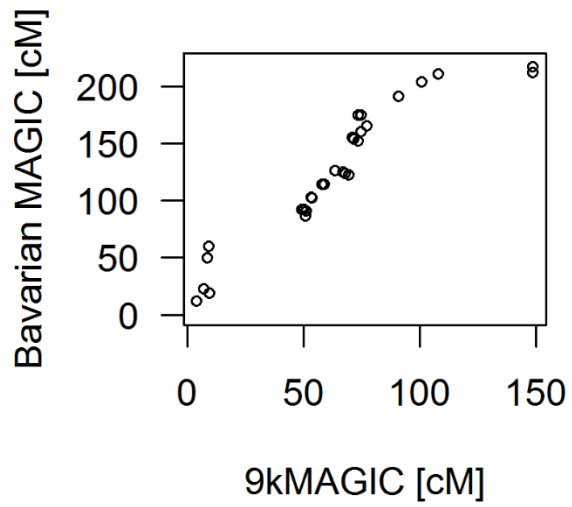
(A)



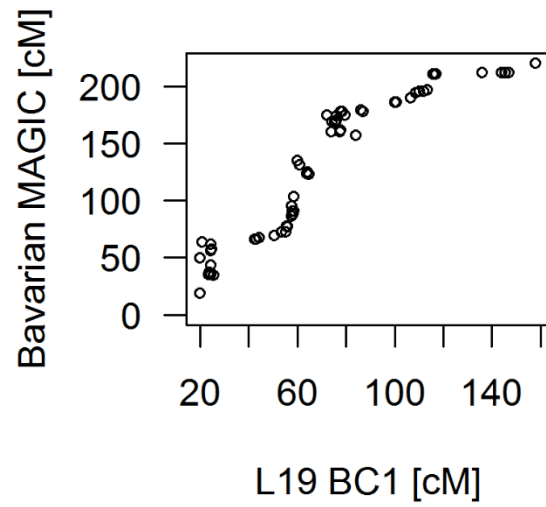
(B)



(C)

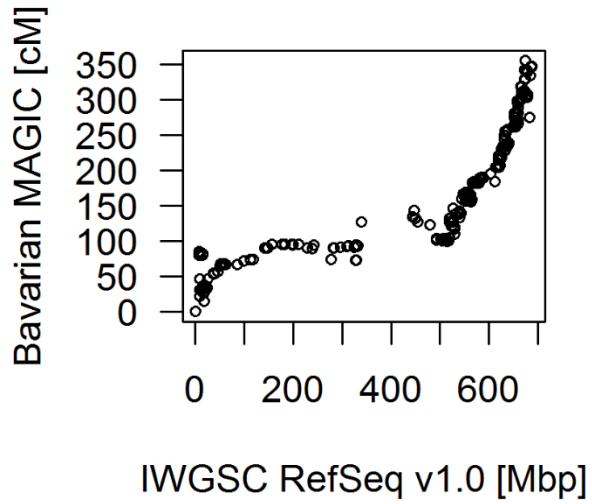


(D)

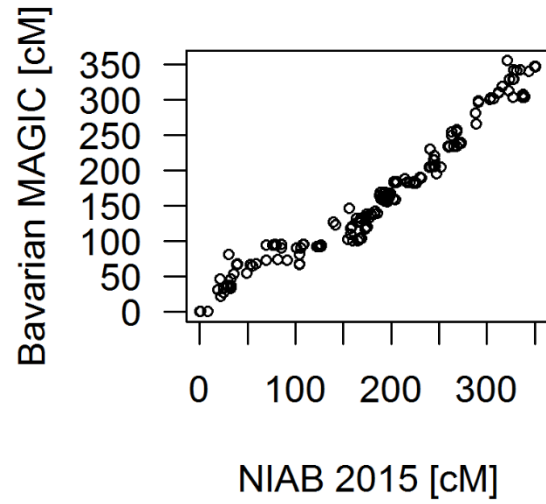


## Chromosome 1B

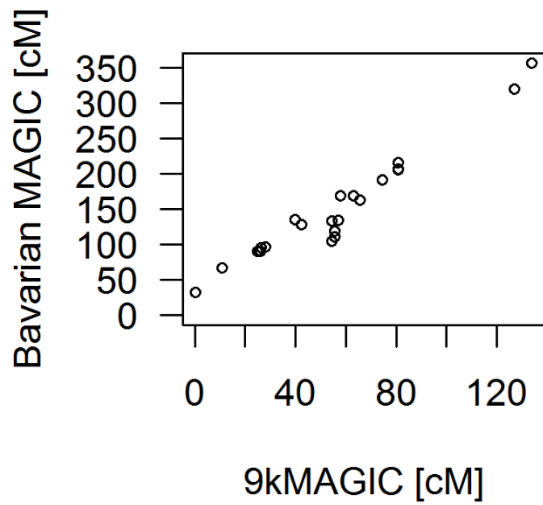
(A)



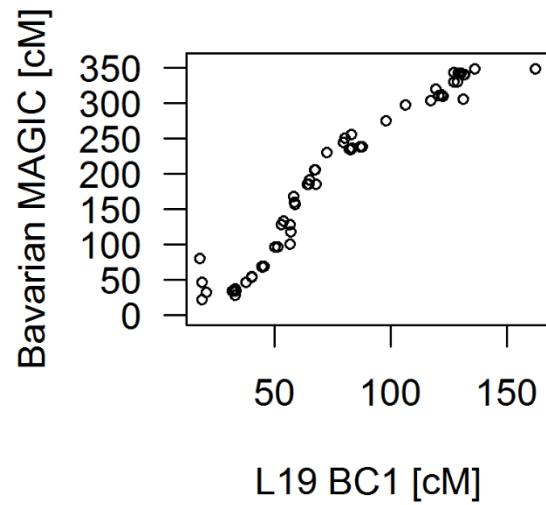
(B)



(C)

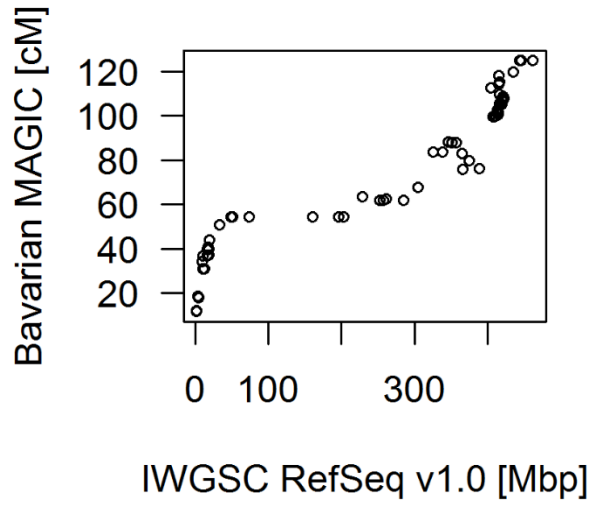


(D)

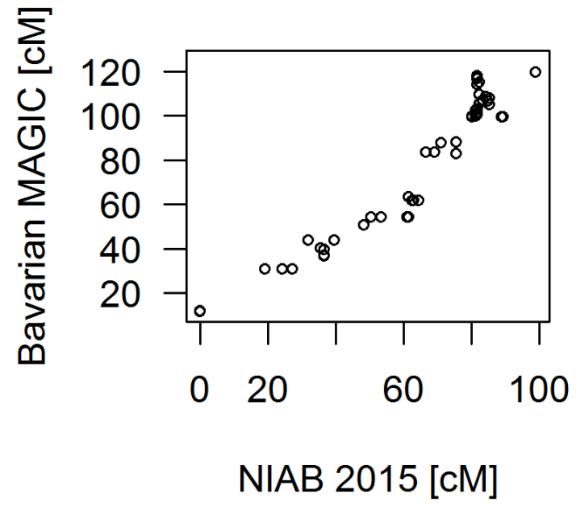


## Chromosome 1D

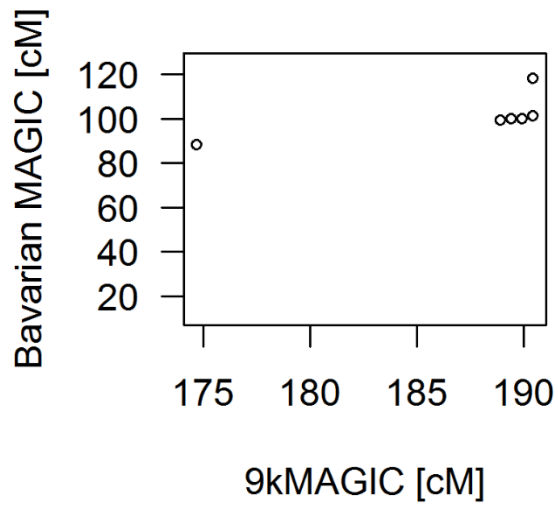
(A)



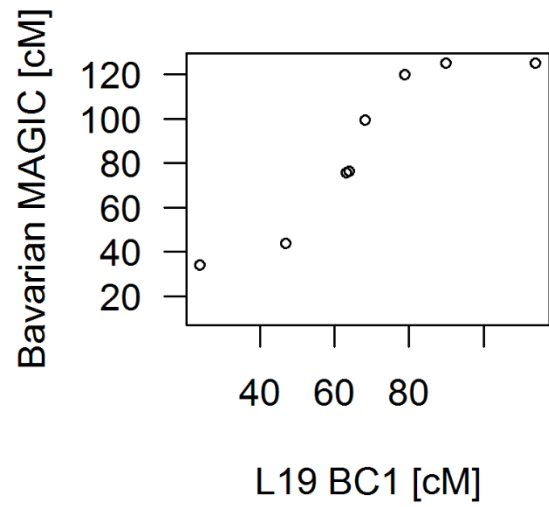
(B)



(C)

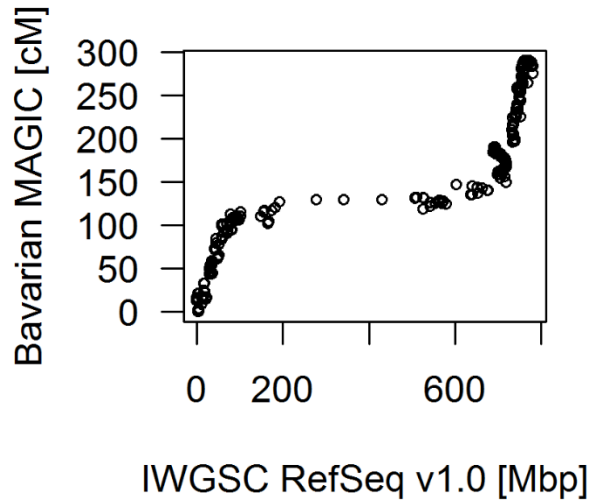


(D)

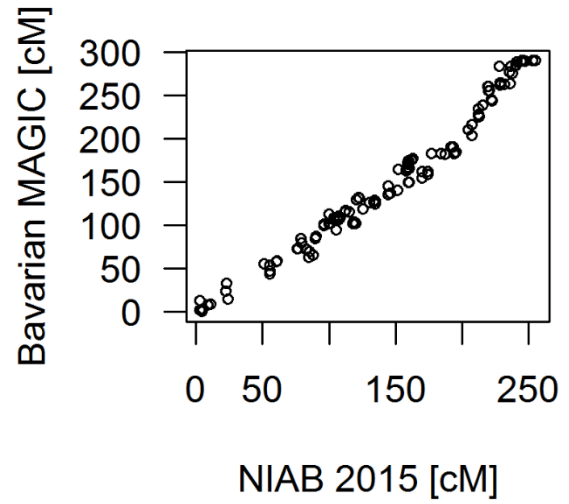


## Chromosome 2A

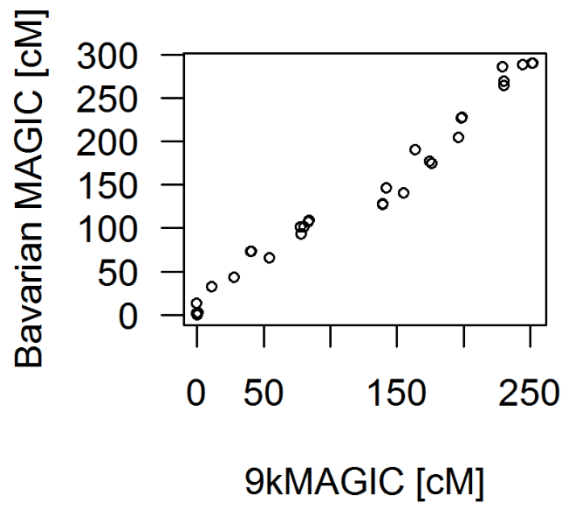
(A)



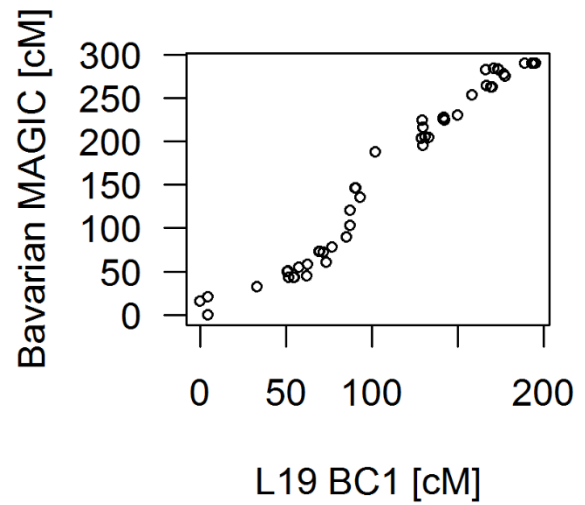
(B)



(C)

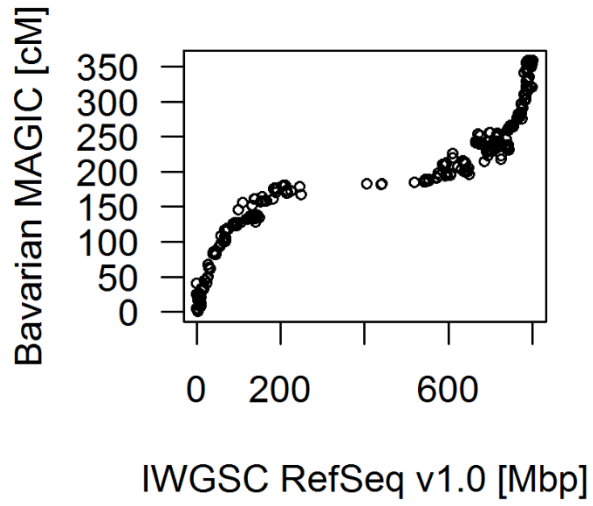


(D)

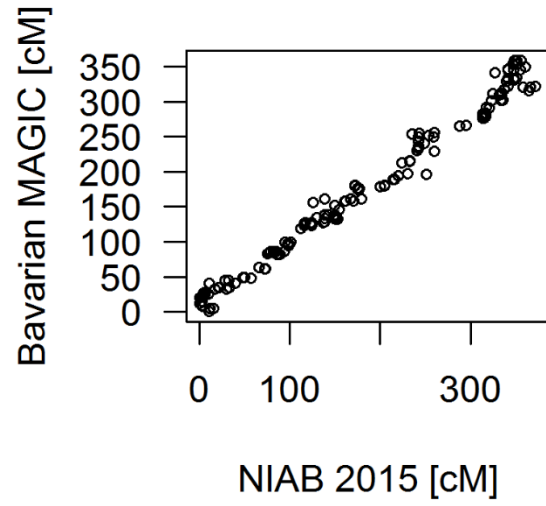


## Chromosome 2B

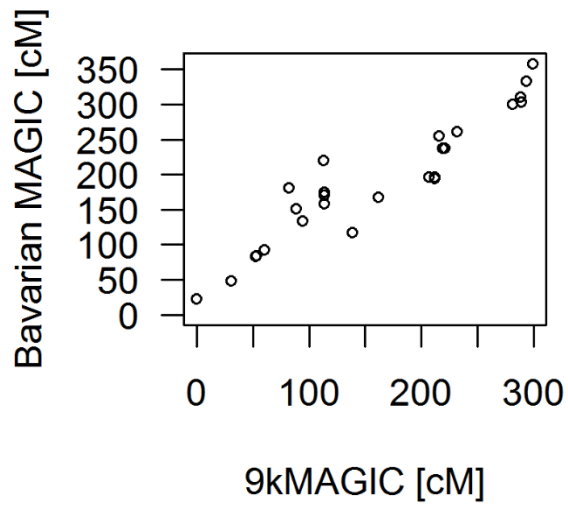
(A)



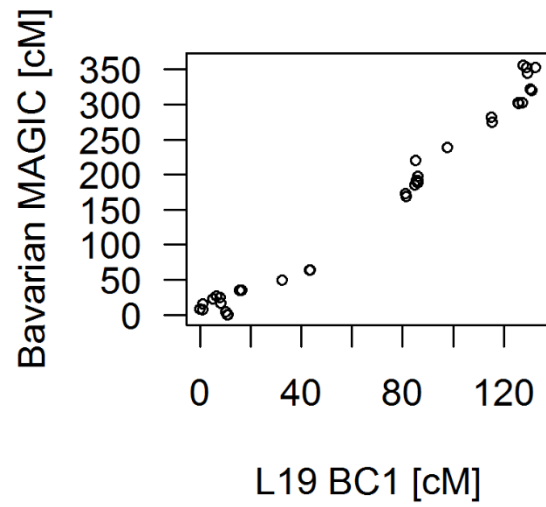
(B)



(C)

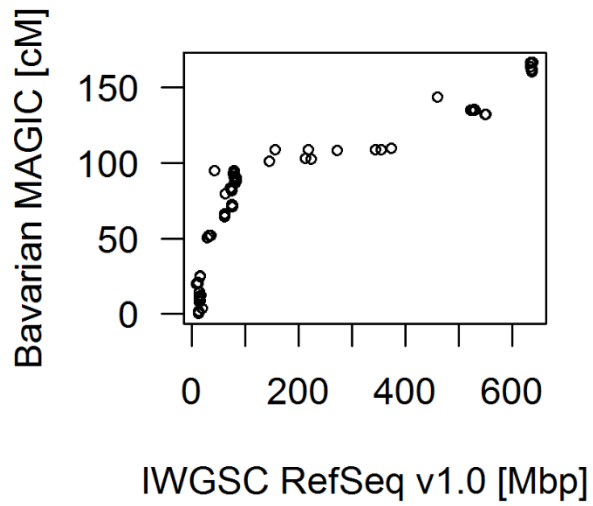


(D)

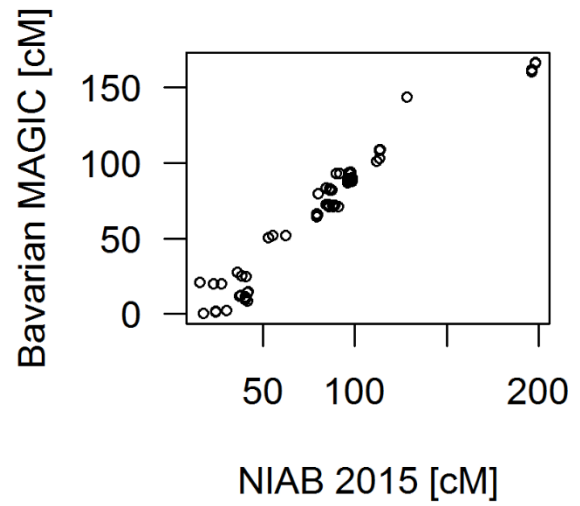


## Chromosome 2D

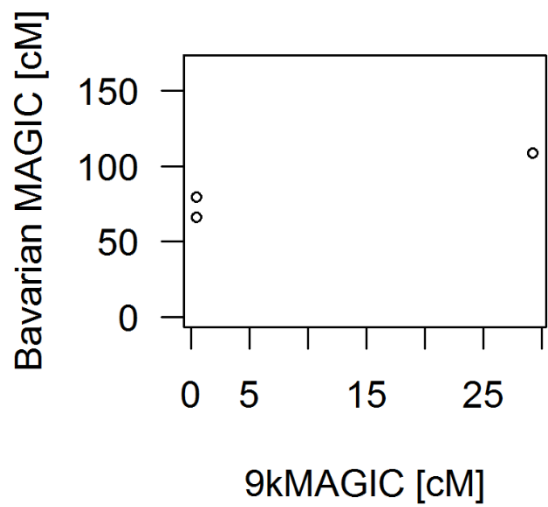
(A)



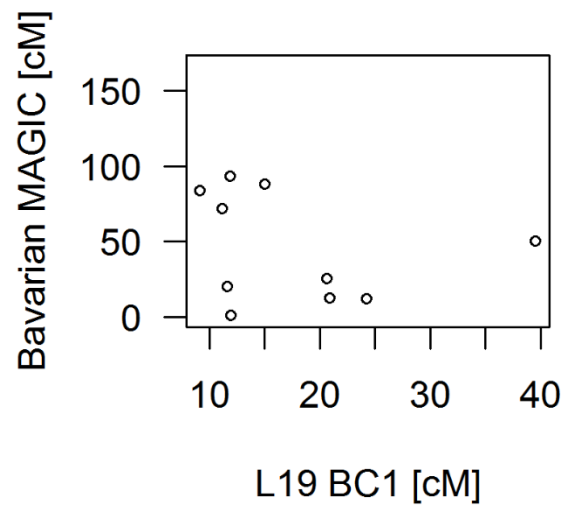
(B)



(C)

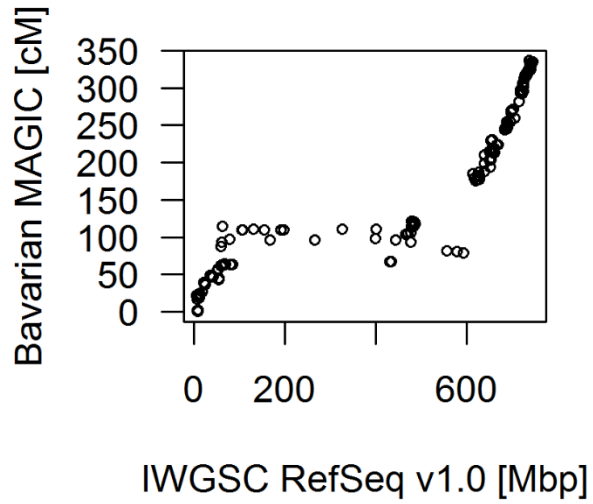


(D)

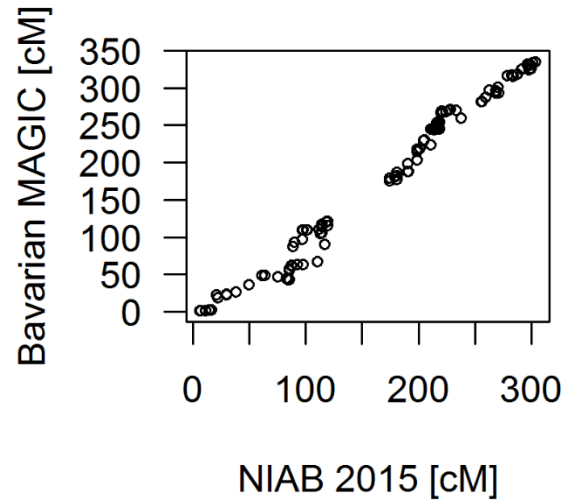


## Chromosome 3A

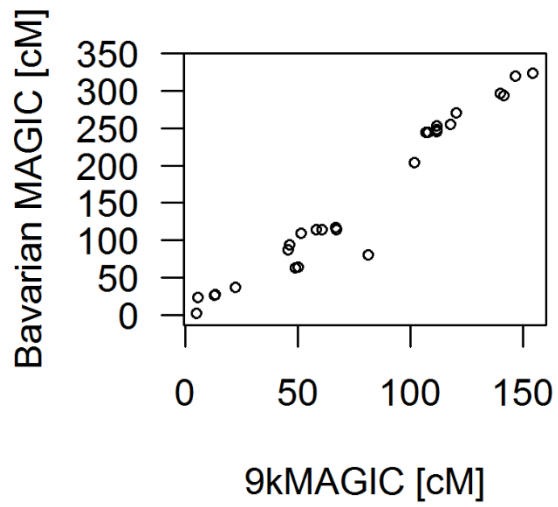
(A)



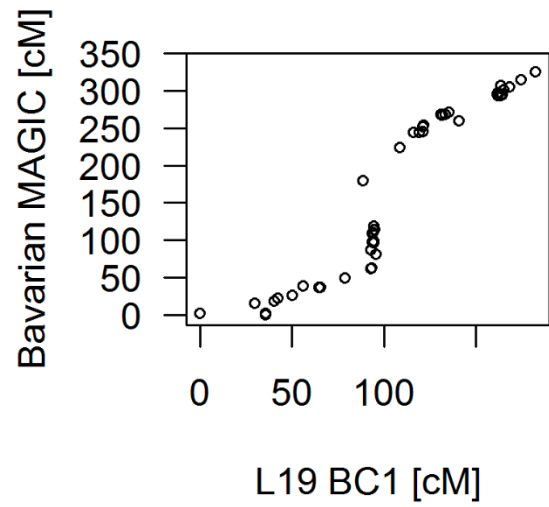
(B)



(C)

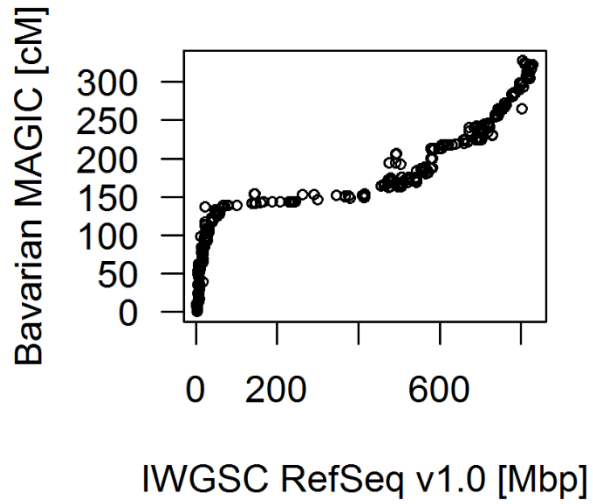


(D)

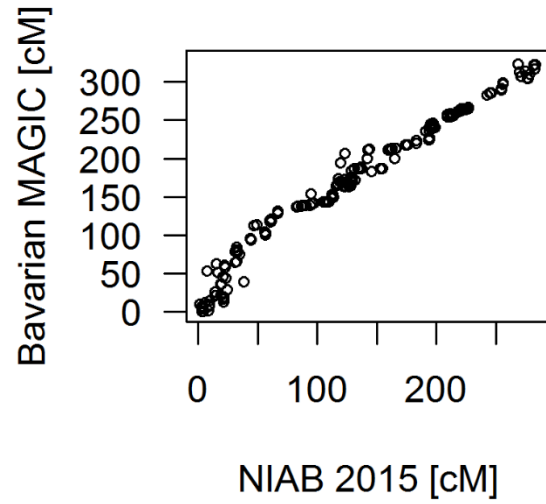


## Chromosome 3B

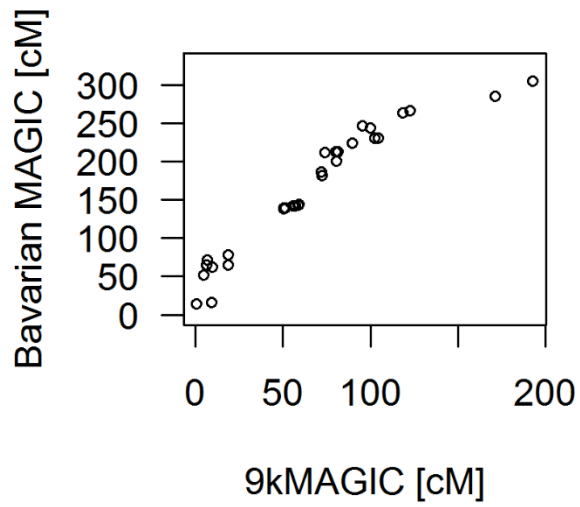
(A)



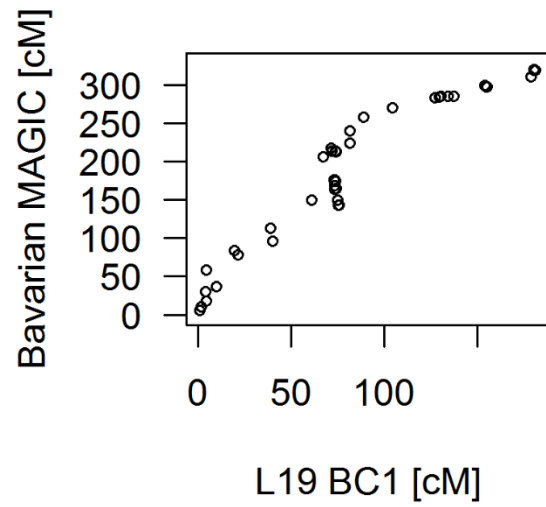
(B)



(C)



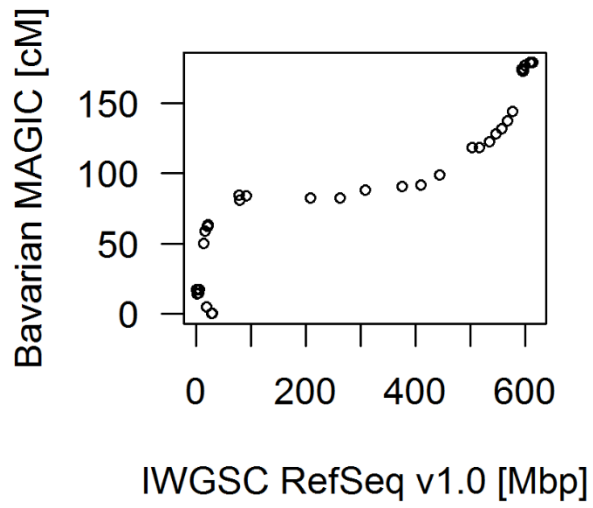
(D)



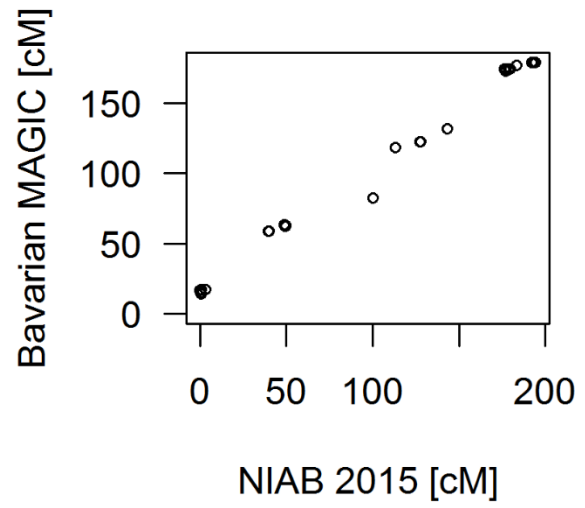


## Chromosome 3D

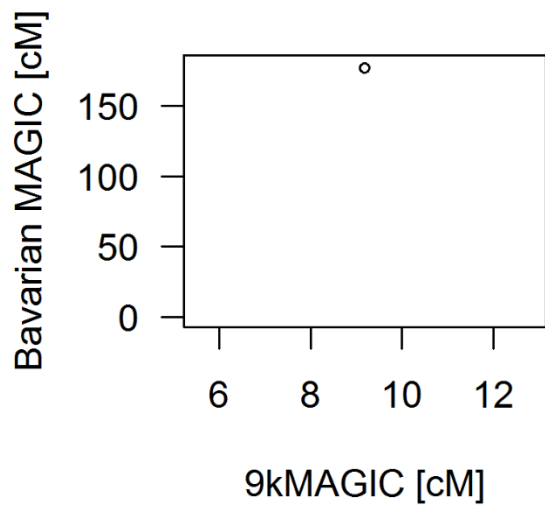
(A)



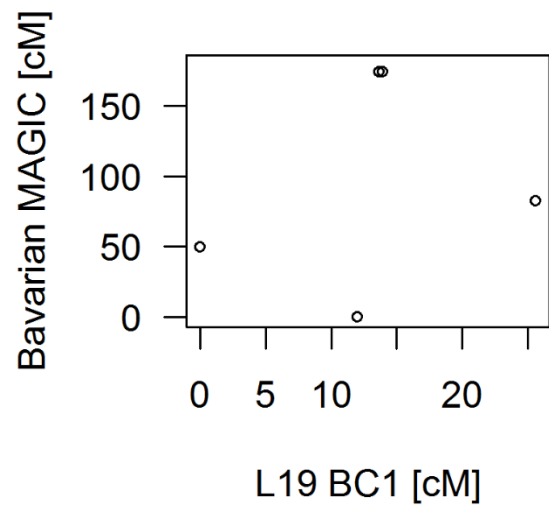
(B)



(C)

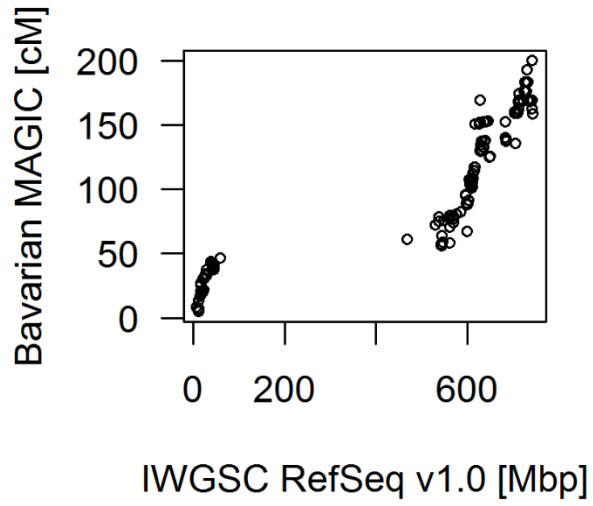


(D)

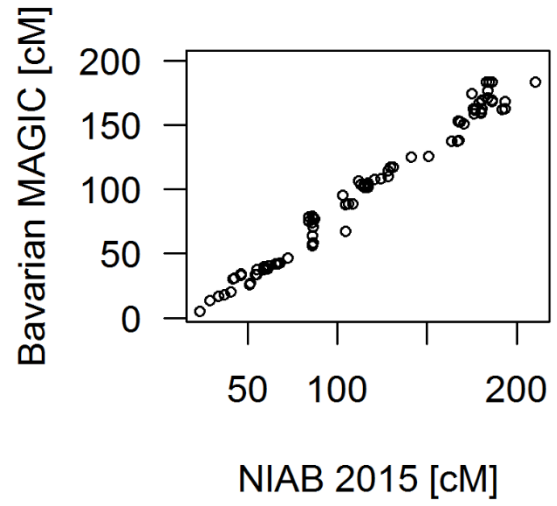


## Chromosome 4A

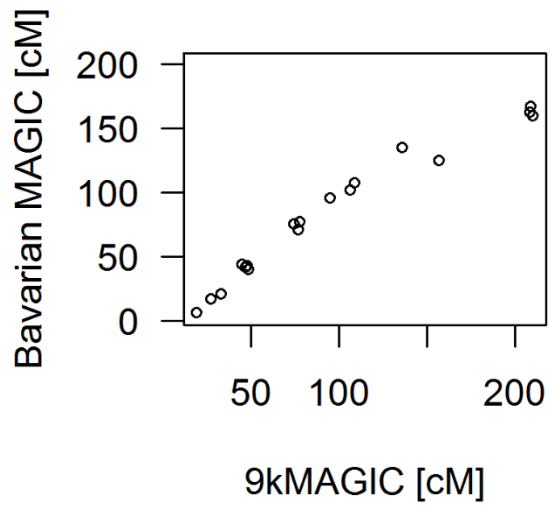
(A)



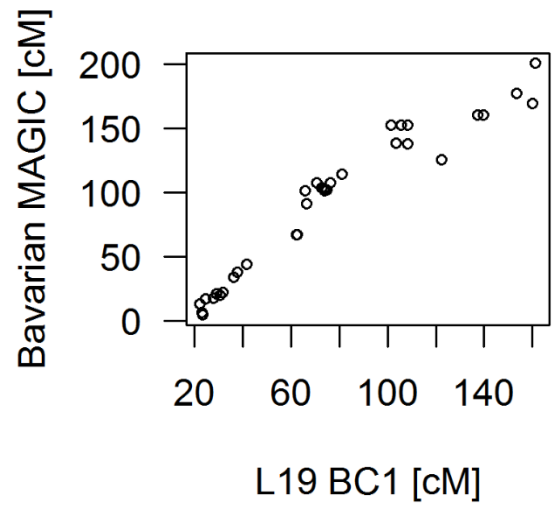
(B)



(C)

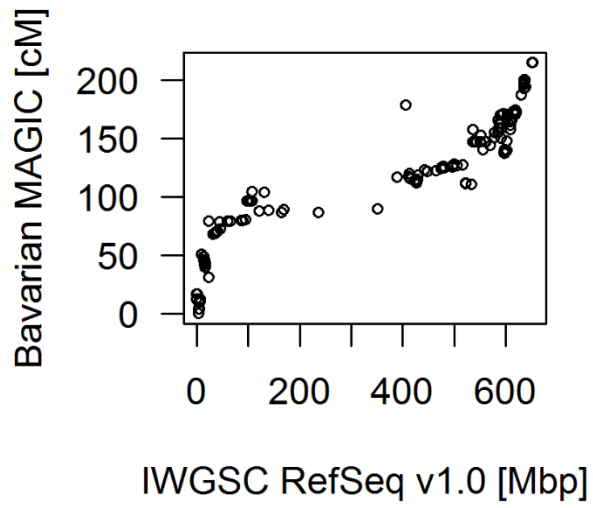


(D)

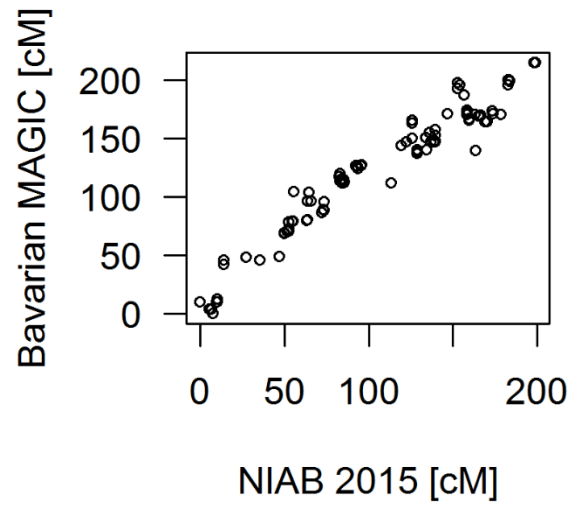


## Chromosome 4B

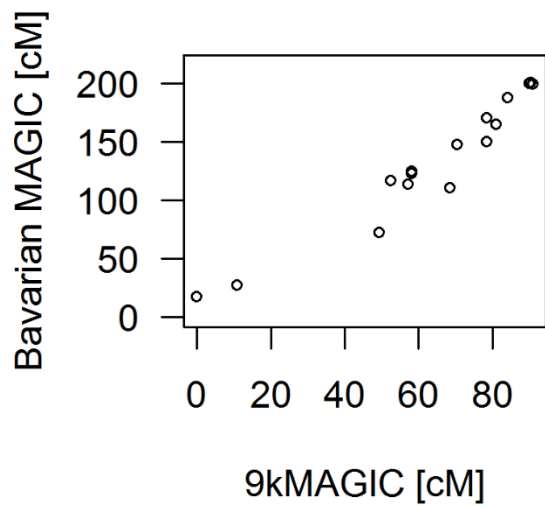
(A)



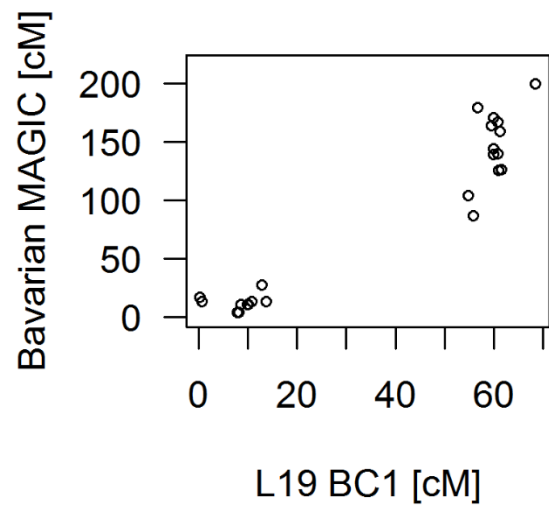
(B)



(C)

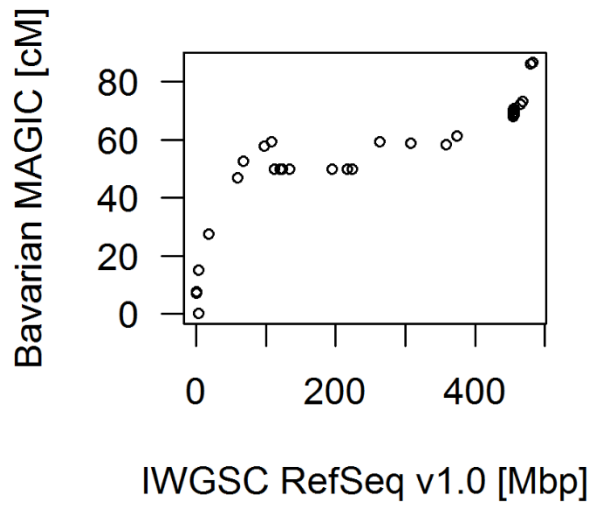


(D)

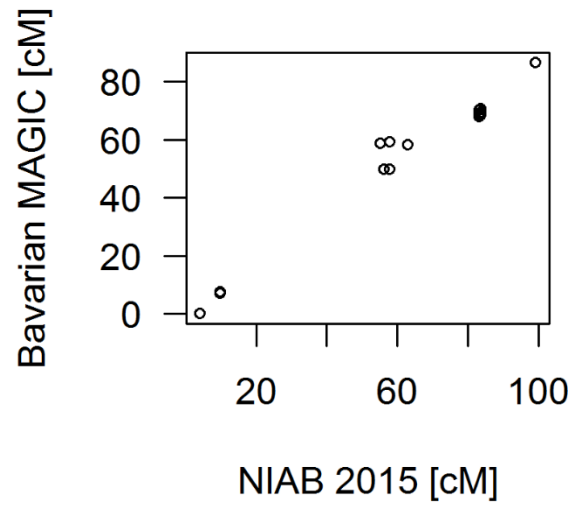


## Chromosome 4D

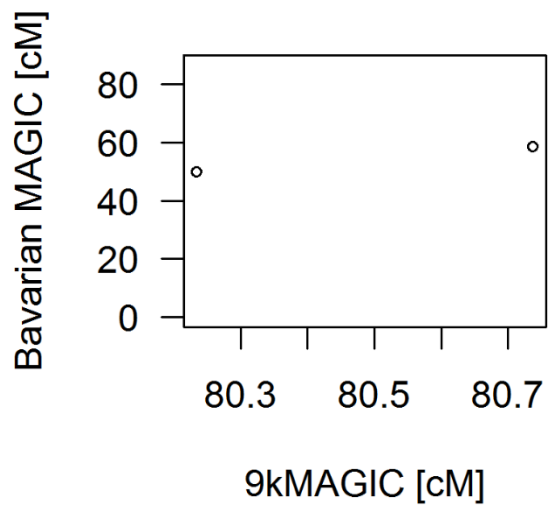
(A)



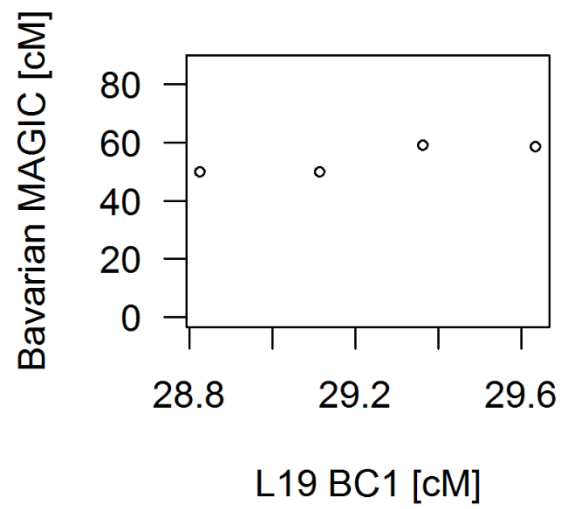
(B)



(C)

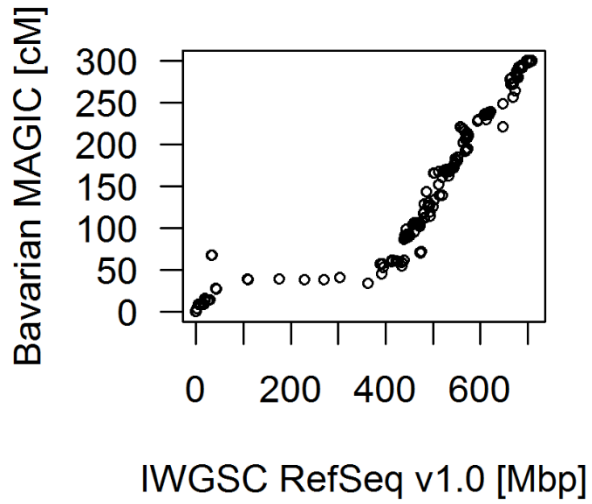


(D)

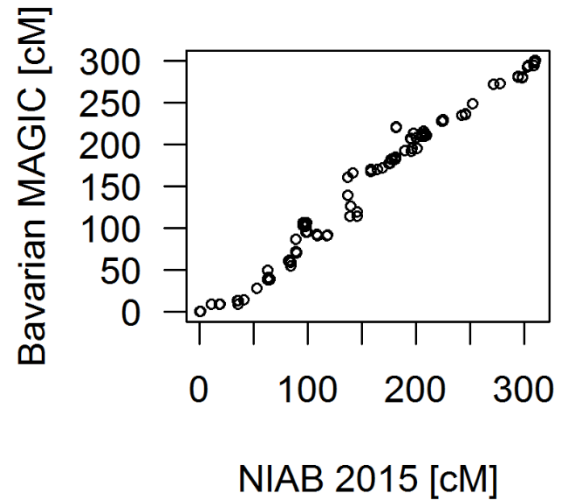


## Chromosome 5A

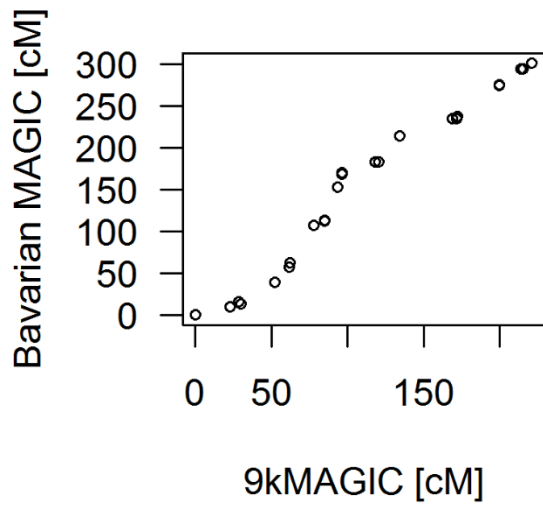
(A)



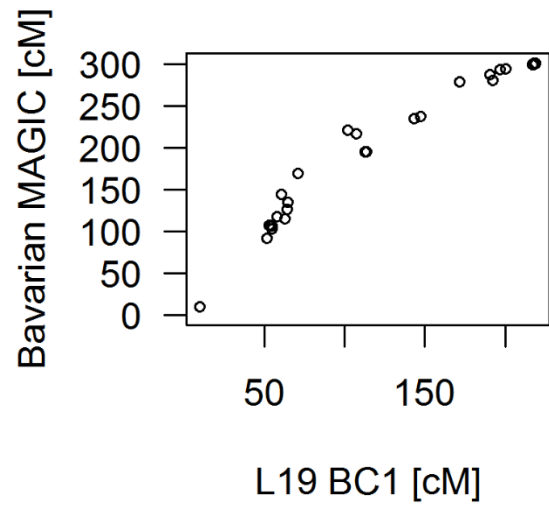
(B)



(C)

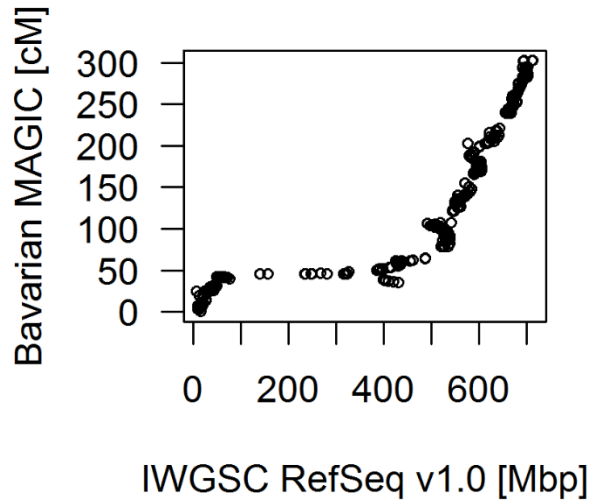


(D)

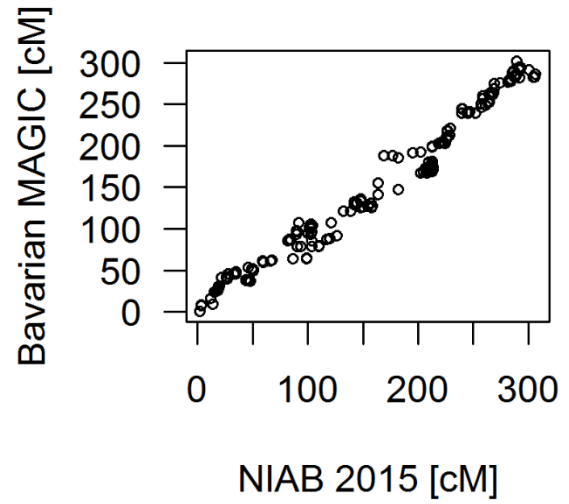


## Chromosome 5B

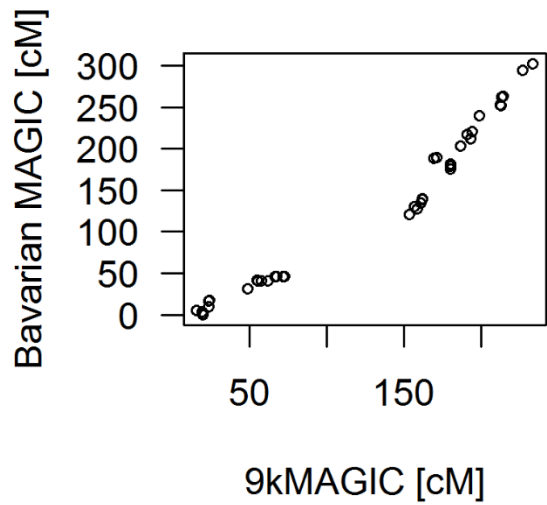
(A)



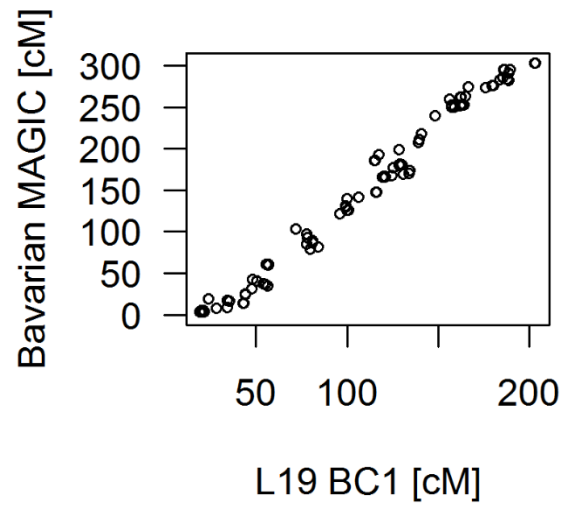
(B)



(C)

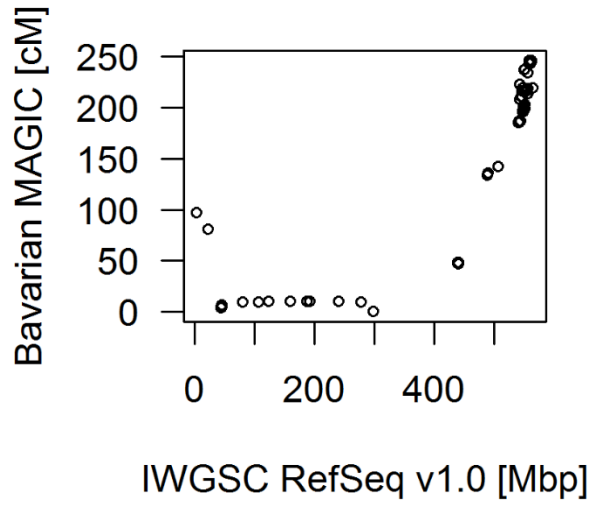


(D)

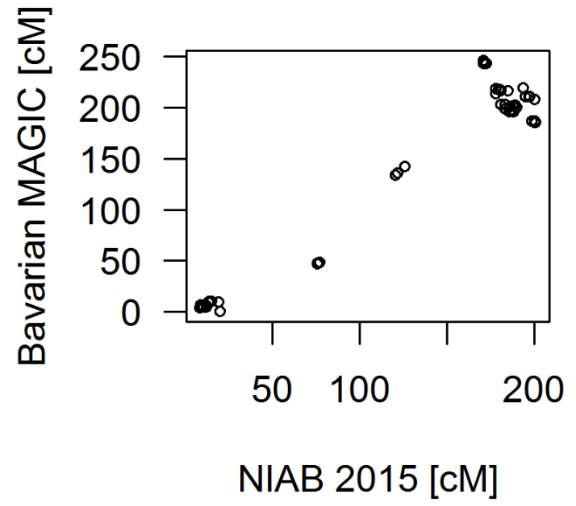


## Chromosome 5D

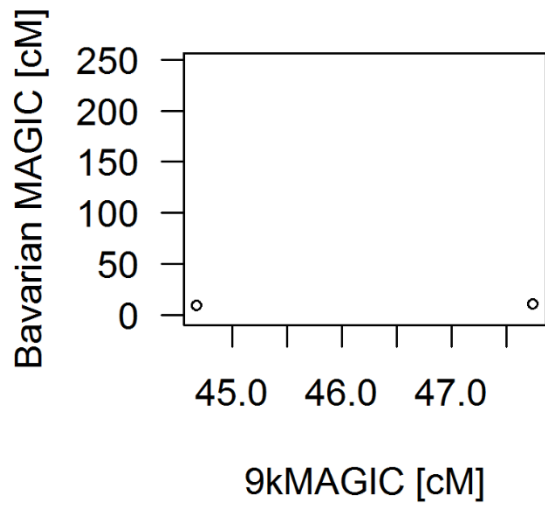
(A)



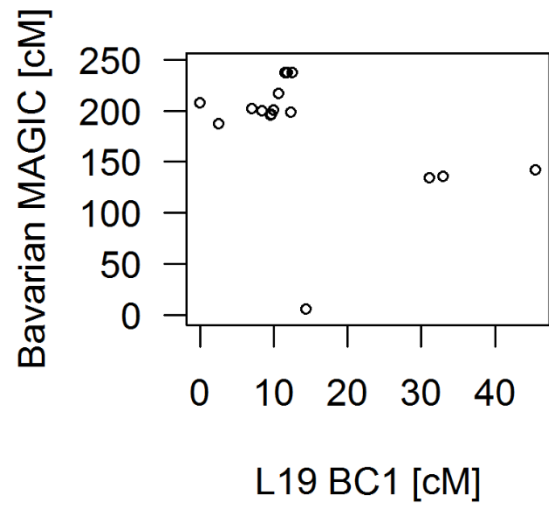
(B)



(C)

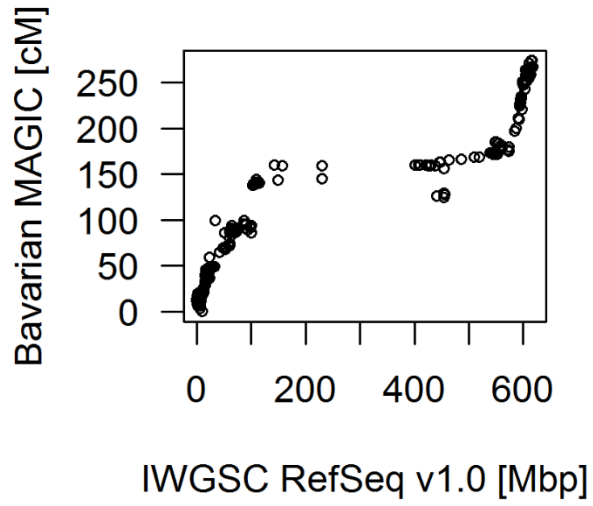


(D)

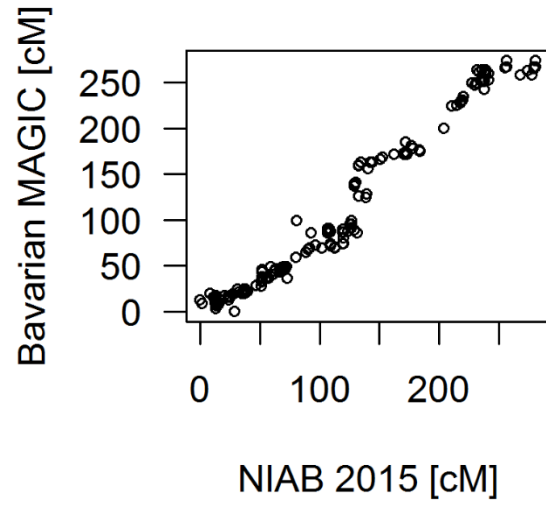


## Chromosome 6A

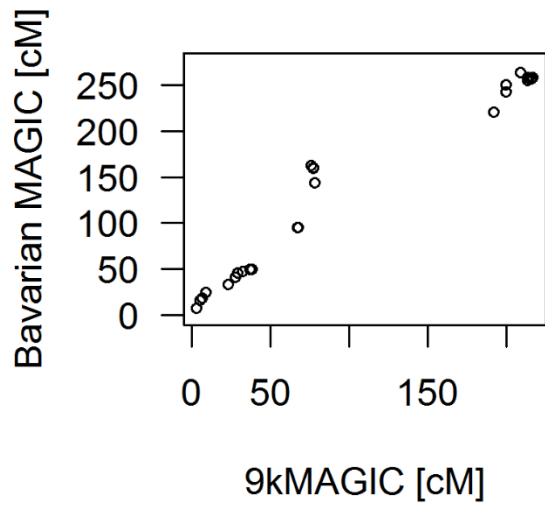
(A)



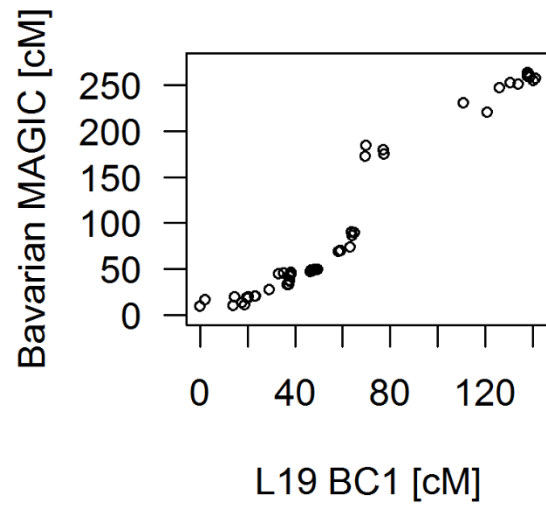
(B)



(C)



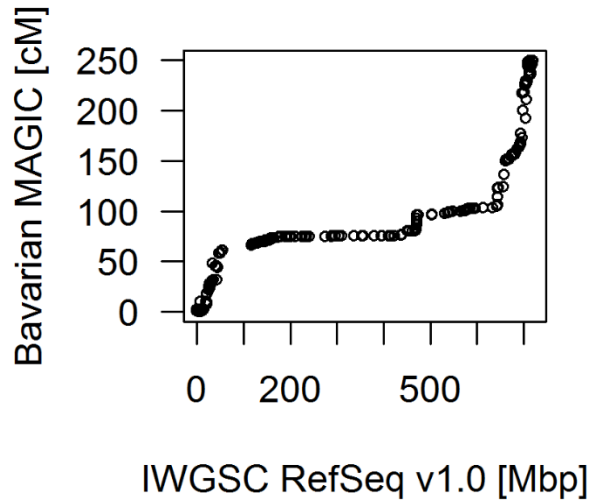
(D)



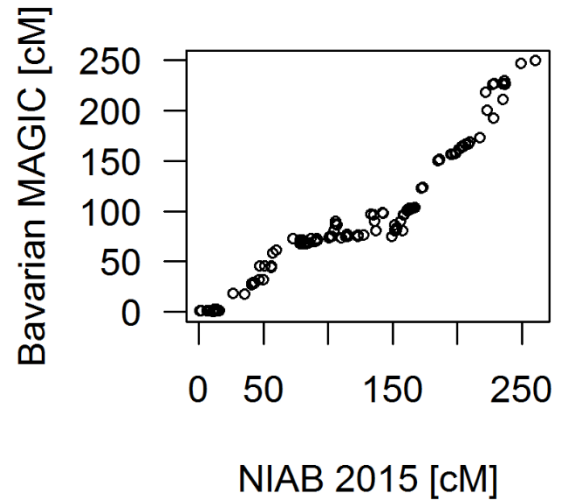


## Chromosome 6B

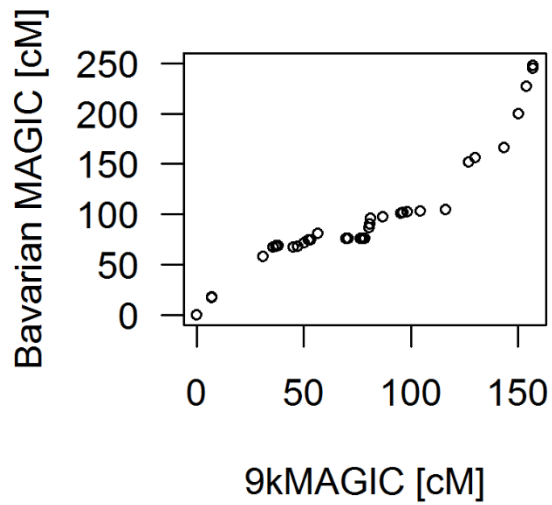
(A)



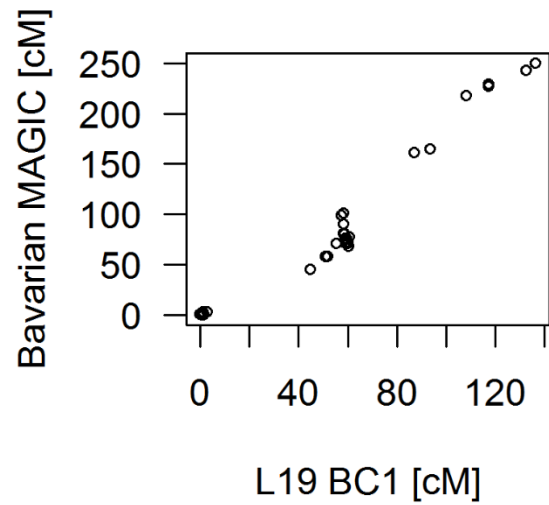
(B)



(C)

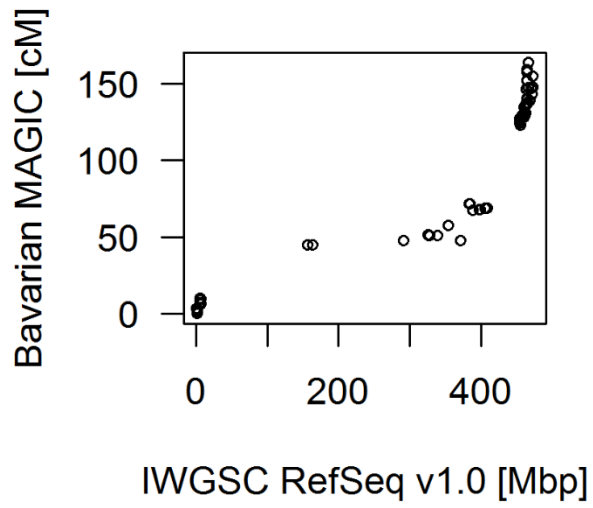


(D)

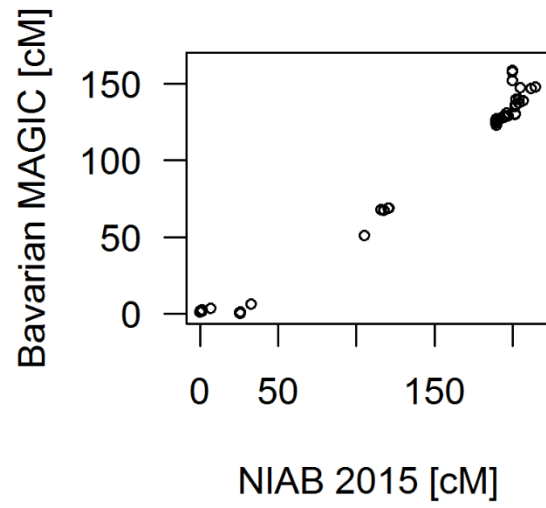


## Chromosome 6D

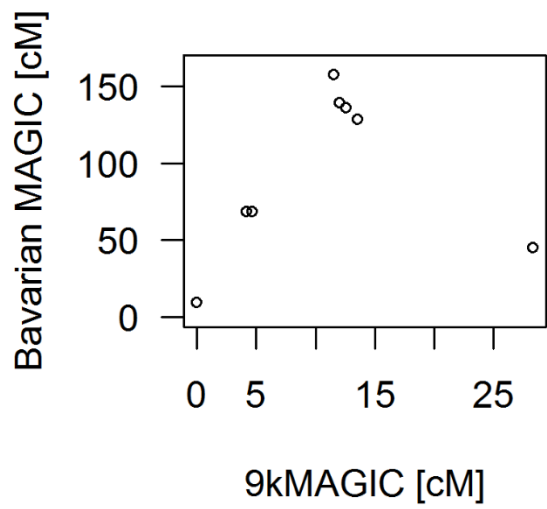
(A)



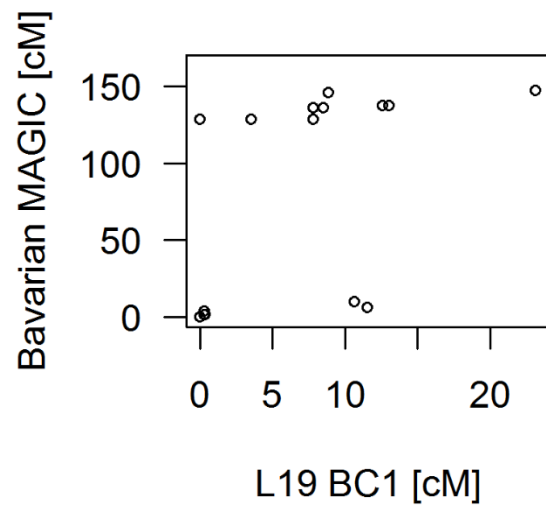
(B)



(C)

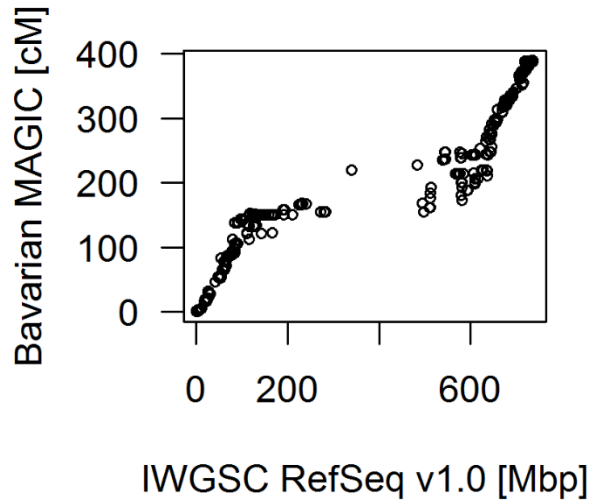


(D)

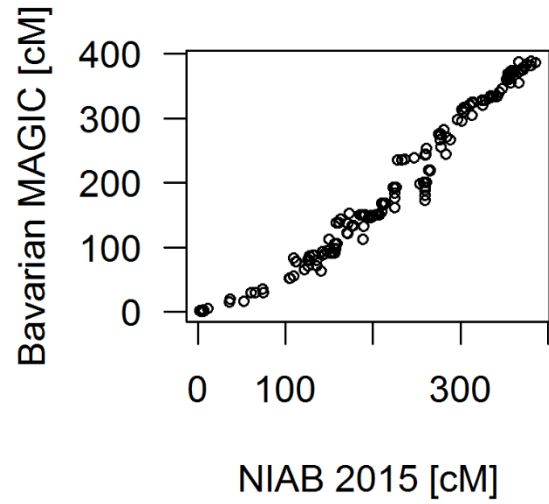


## Chromosome 7A

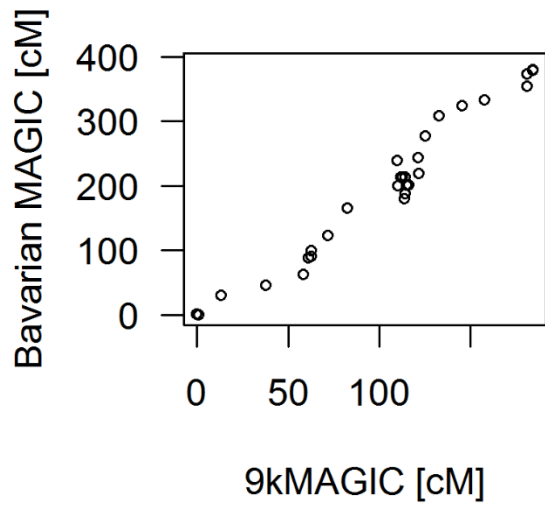
(A)



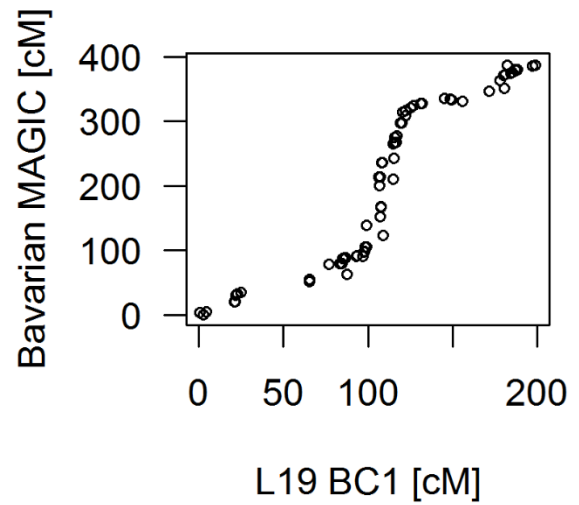
(B)



(C)

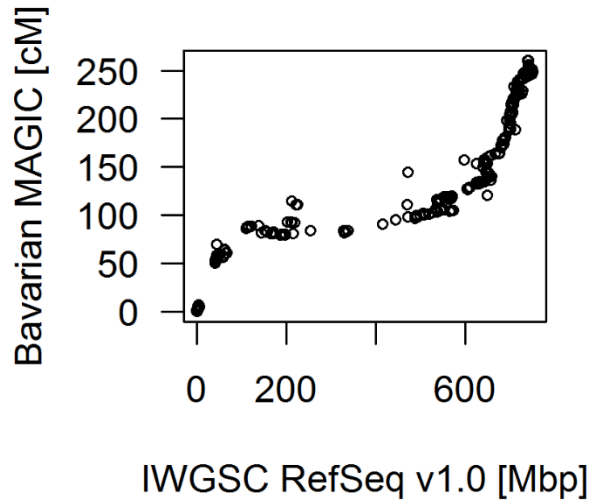


(D)

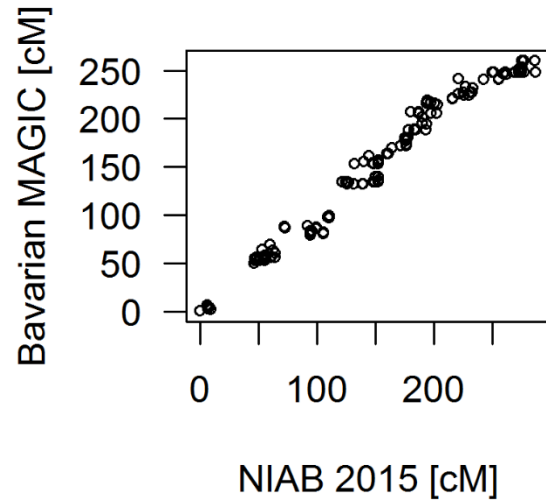


## Chromosome 7B

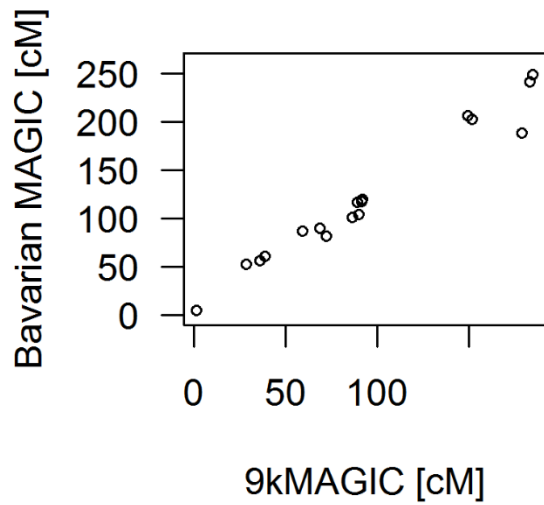
(A)



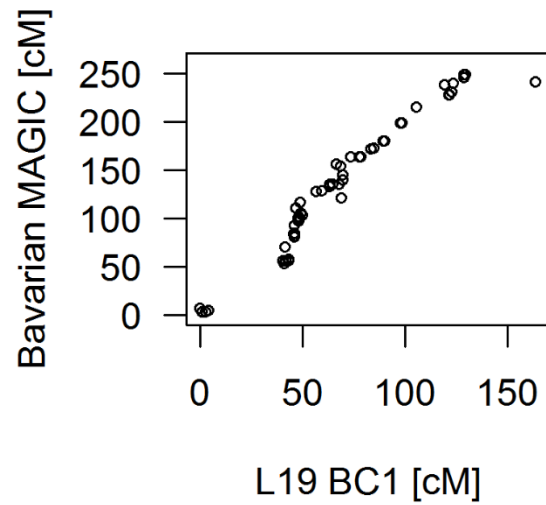
(B)



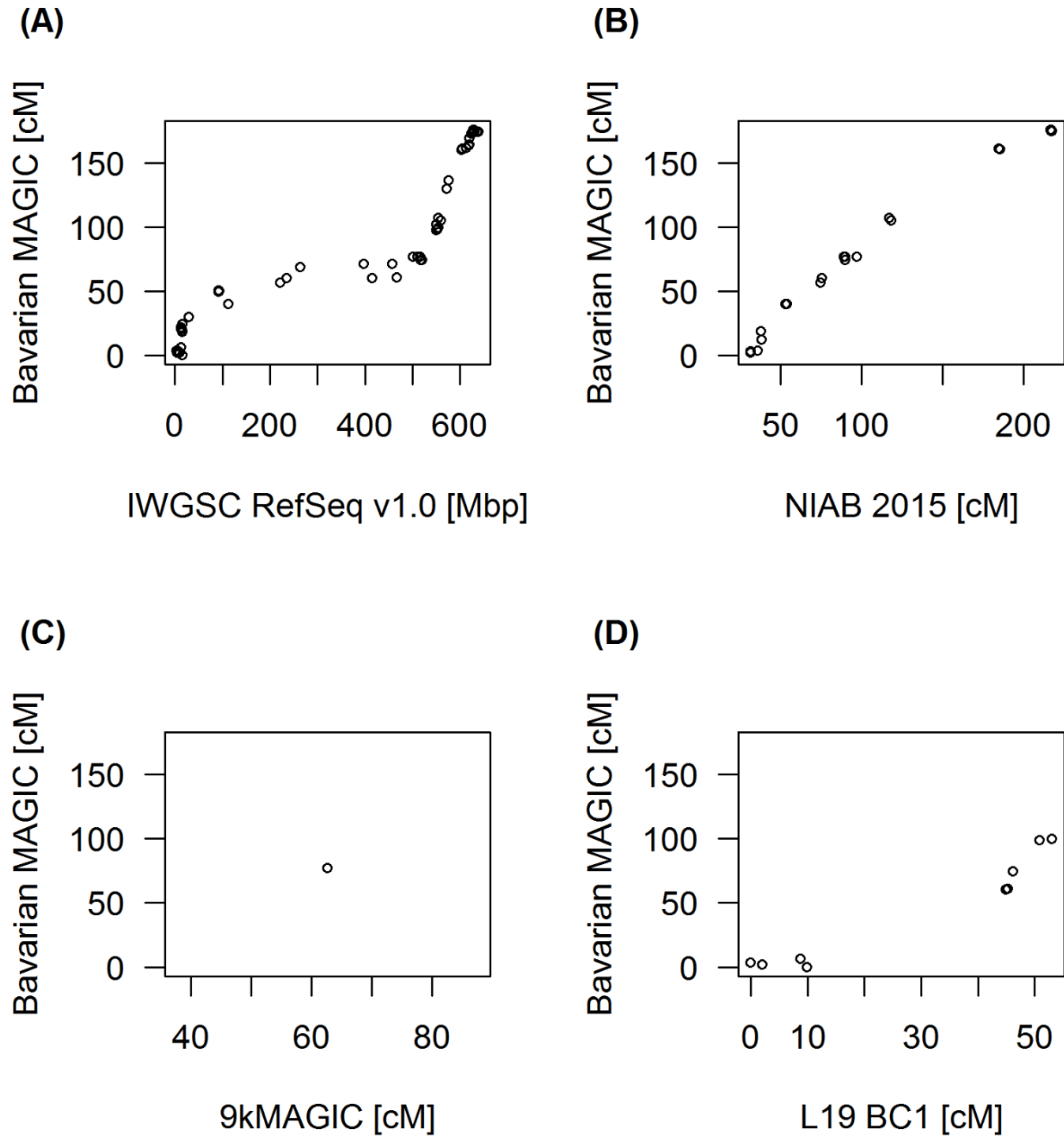
(C)



(D)



## Chromosome 7D



**Figure S2:** BMWpop marker order comparison. BMWpop marker order compared to (A) physical position of the IWGSC RefSeq v1.0 and the three other genetic maps (B) NIAB 2015, (C) 9kMAGIC, and (D) L19 BC1. BMWpop plotted on y-axis.