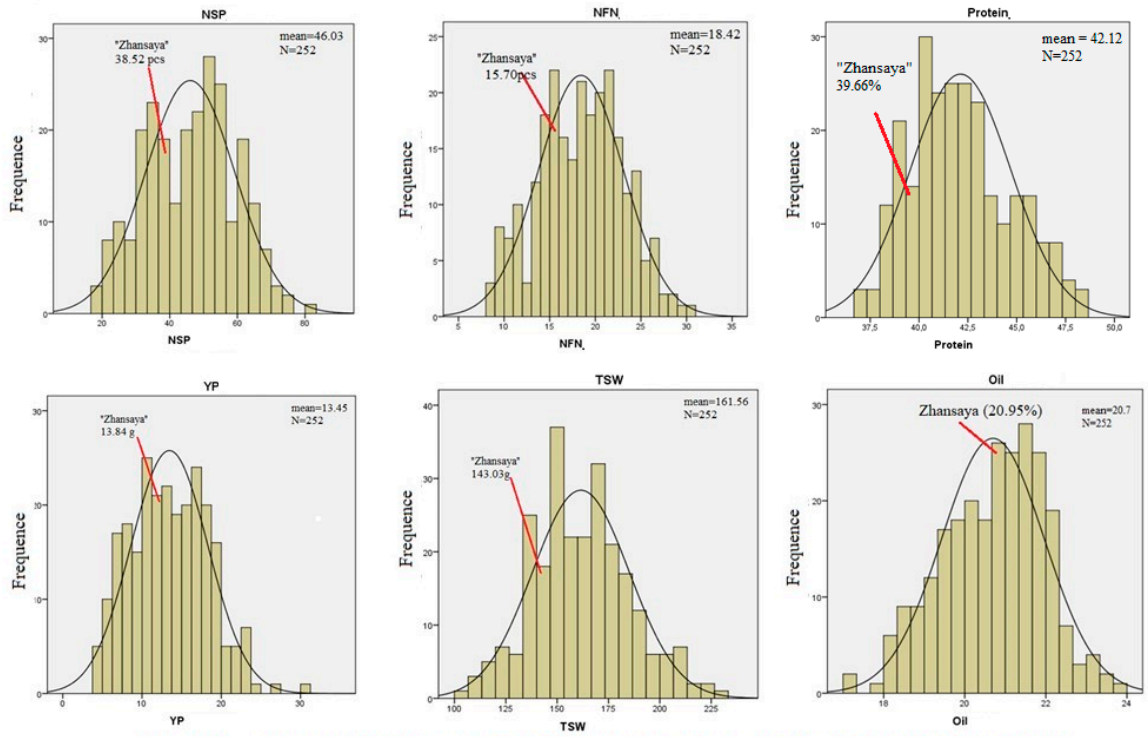


Figure S1. The normal distribution of studied traits.

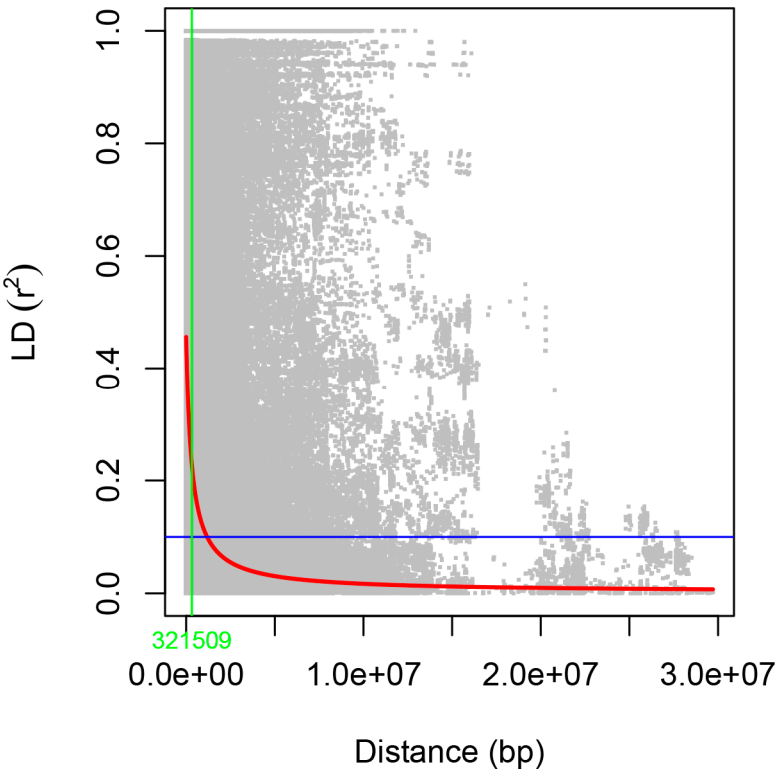


Figure S2. Decay of LD with physical distance in the soybean genome.

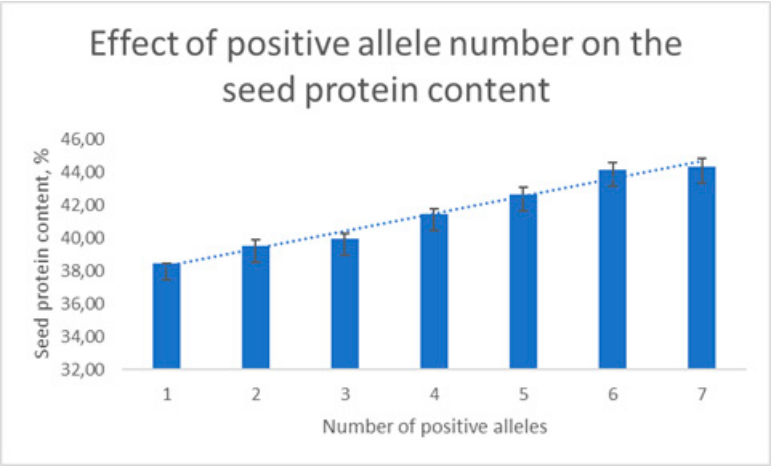


Figure S3. Effect of the positive allele number on seed protein content in soybean.

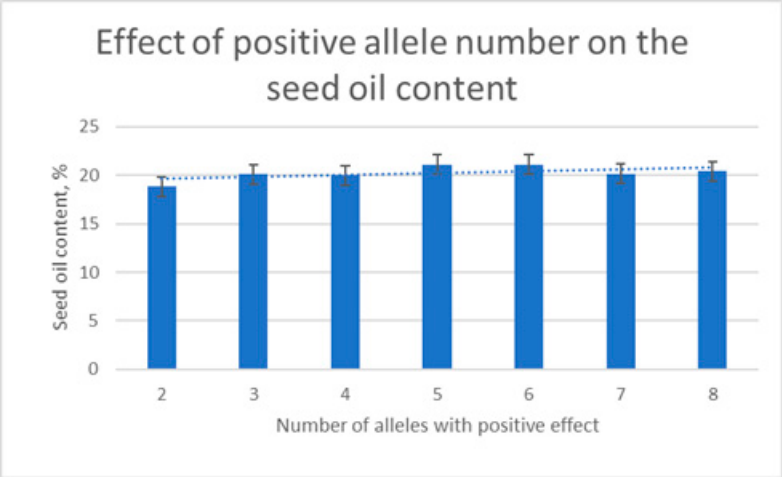


Figure S4. Effect of the positive allele number on seed oil content in soybean.

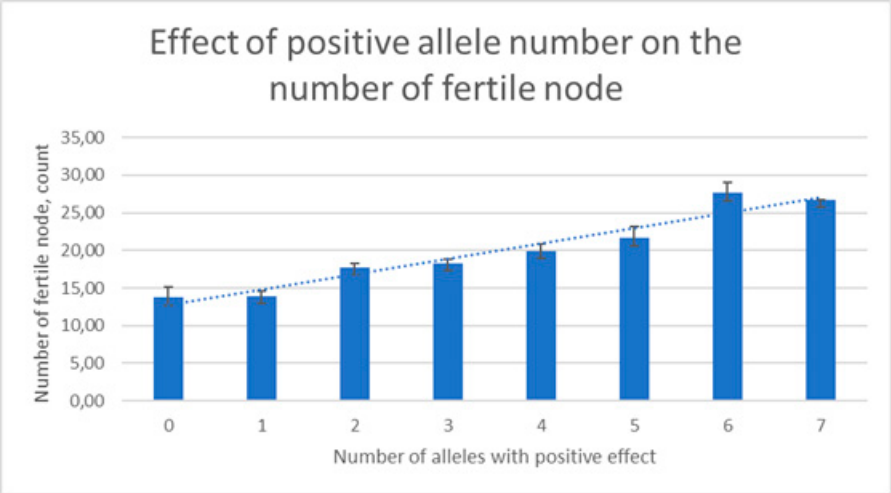


Figure S5. Effect of the positive allele number on the number of fertile nodes.

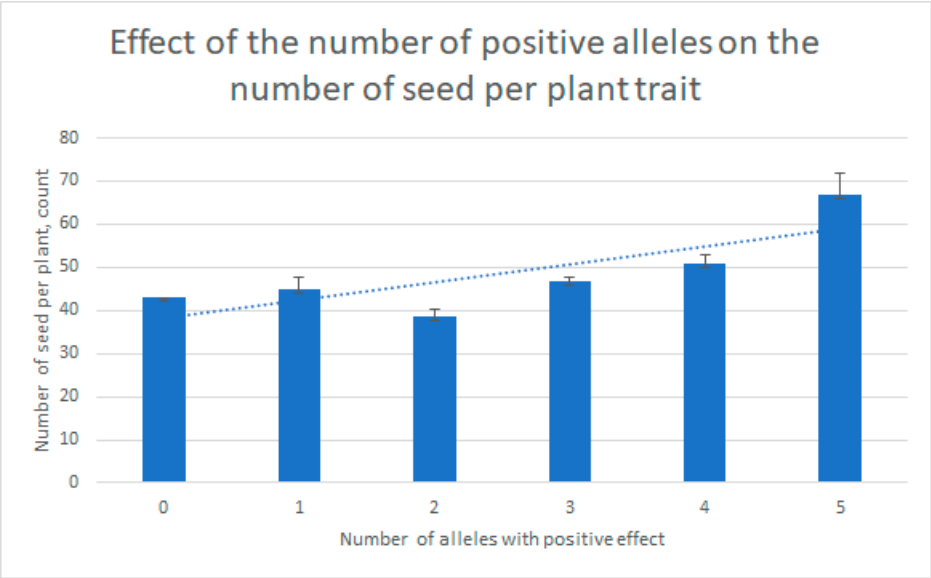


Figure S6. Effect of the positive allele number on the number of seeds per plant.

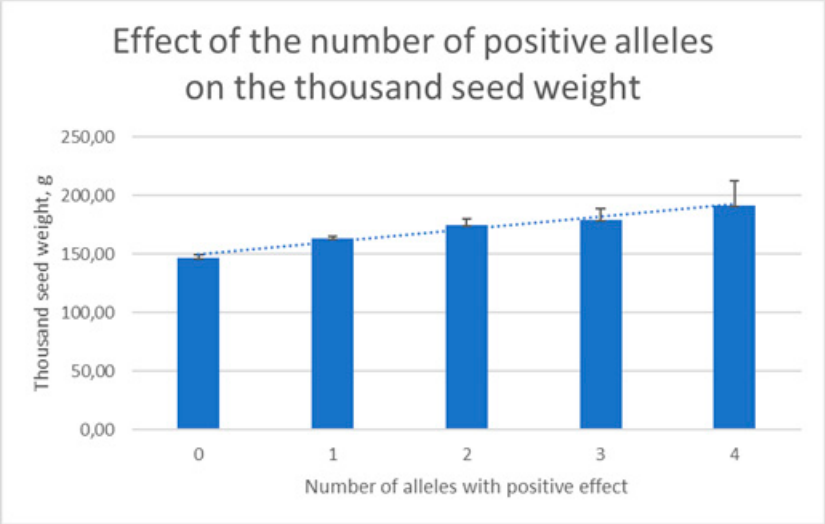


Figure S7. Effect of the positive allele number on the thousand seeds weight.

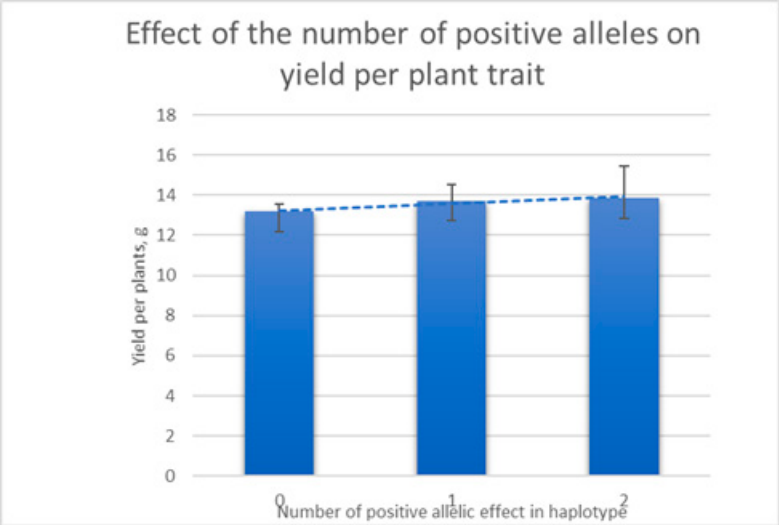


Figure S8. Effect of the positive allele number on the yield per plant.