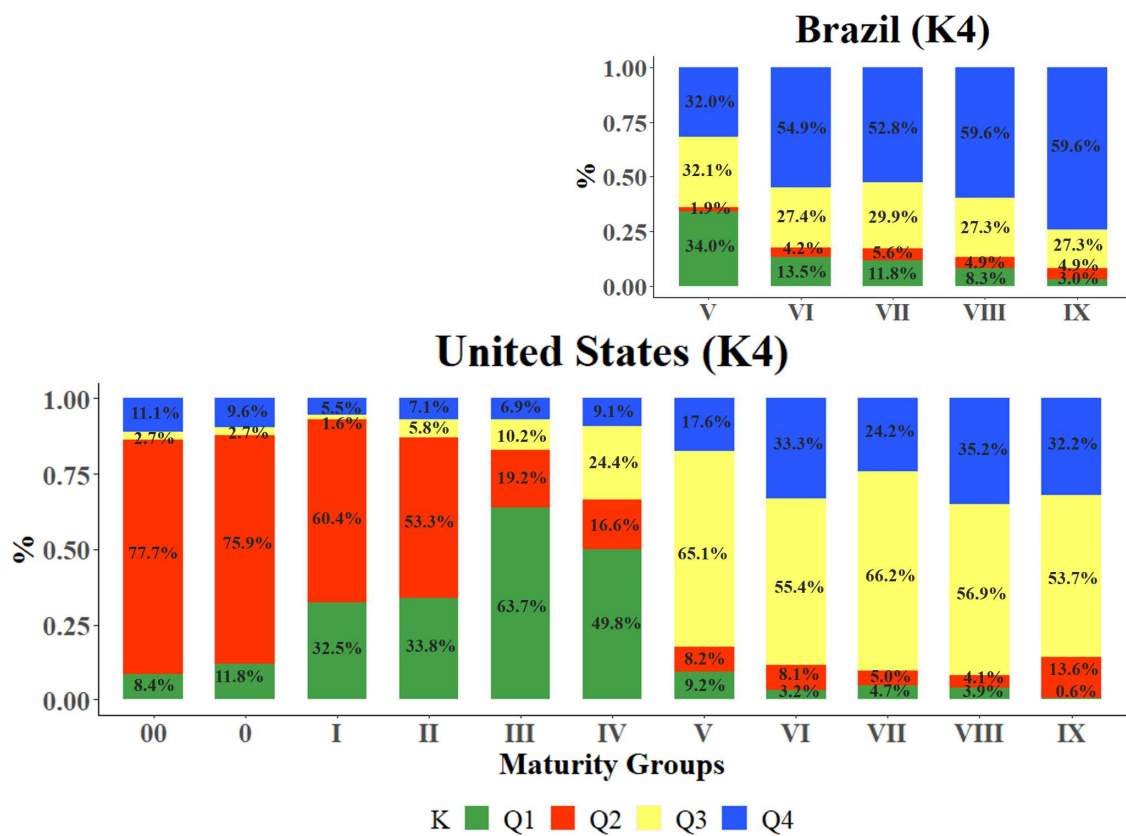
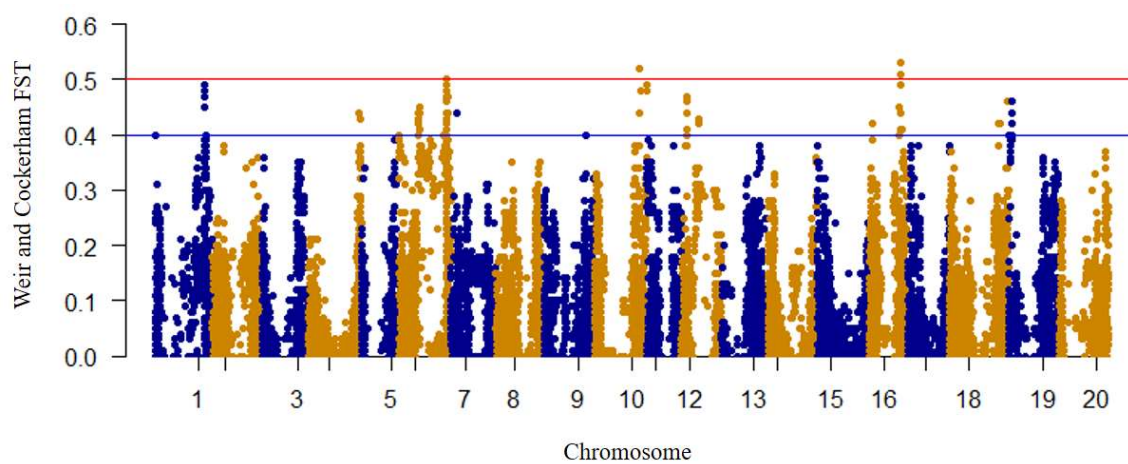
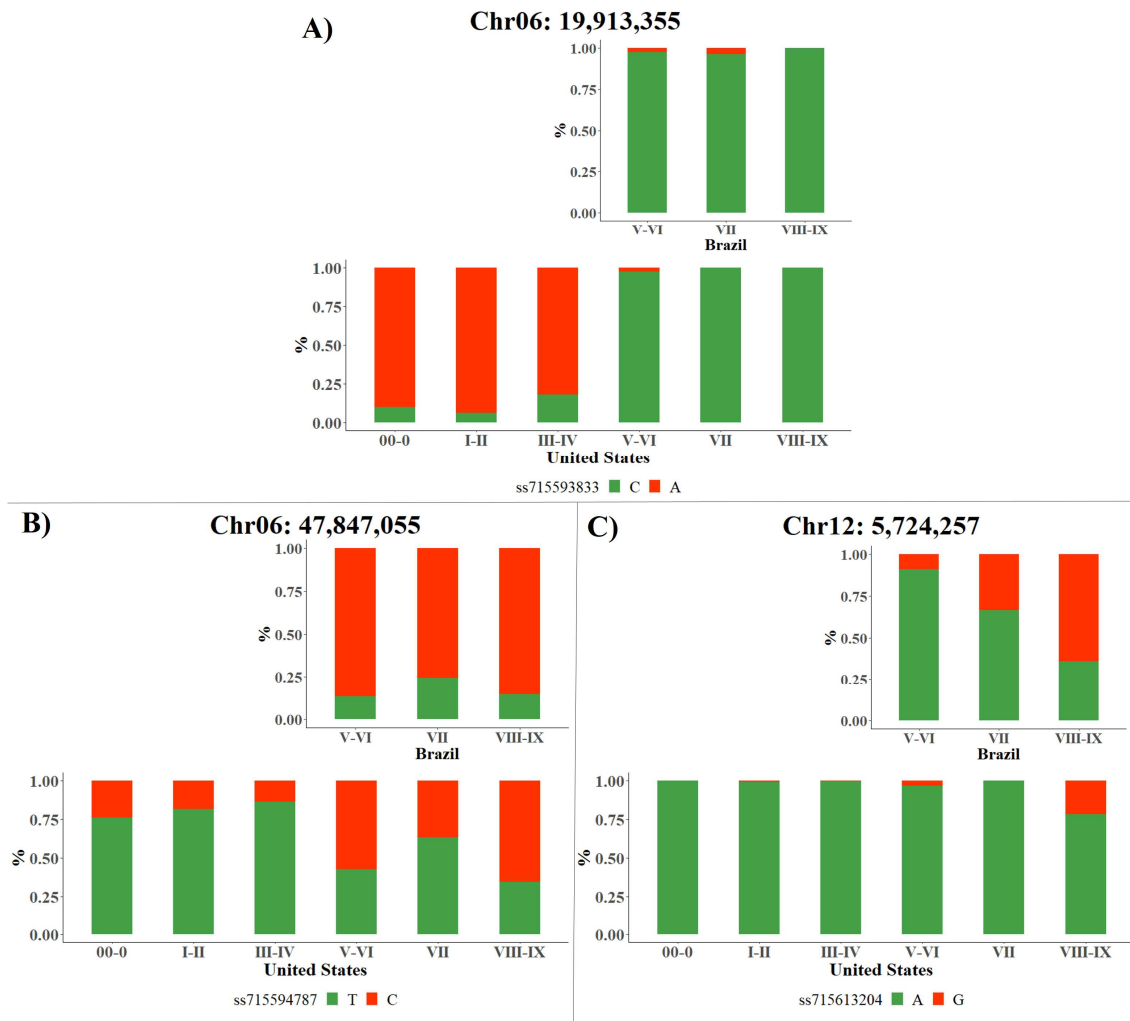




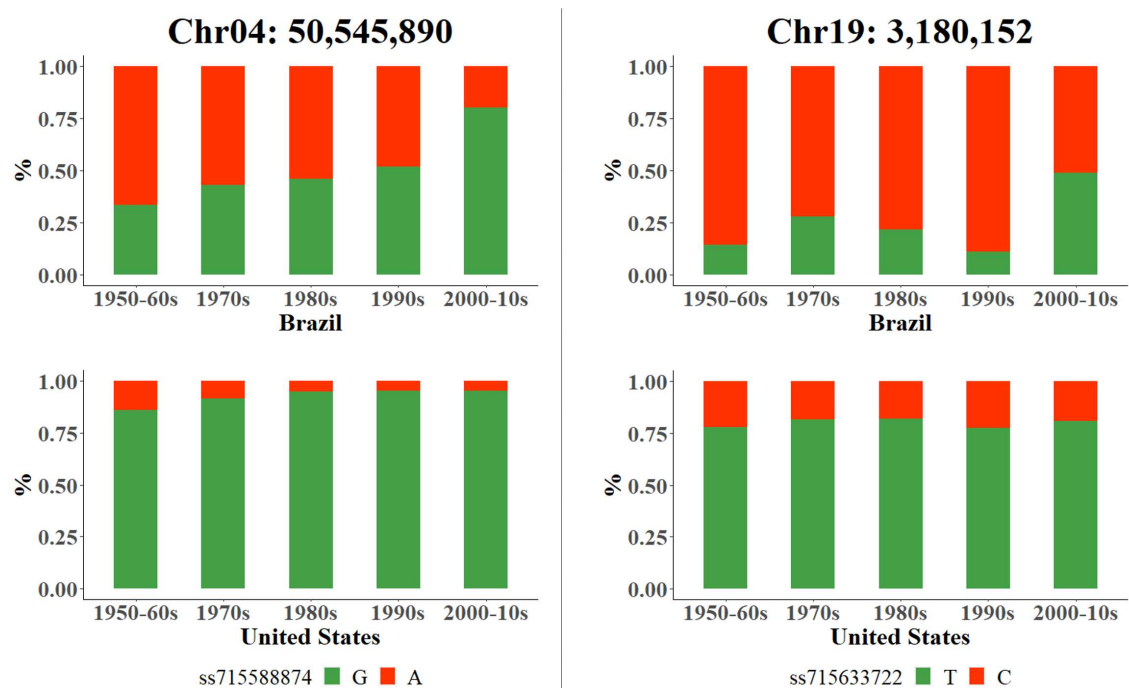
Supplementary Figure S1: Mean assignment coefficients of the Brazilian and US cultivars belonging to the different maturity groups (00 to IX) and STRUCTURE groups (Q1, Q2, Q3, and Q4) considering $K = 4$.



Supplementary Figure S2: Weir and Cockerham F_{ST} between Brazilian and US cultivars of 21,800 SNPs over 20 soybean chromosomes.



Supplementary Figure S3: The allele frequency distribution of (A) ss715593833 (chromosome 6), (B) ss715594787 (chromosome 6), and (C) ss715613204 (chromosome 12) in Brazilian and US germplasm according to their maturity groups.



Supplementary Figure S4: The allele frequency distribution of (A) SNP ss715588874 (chromosome 4) and (B) SNP ss715633722 (chromosome 19) in Brazilian and US germplasm according to their release decade.