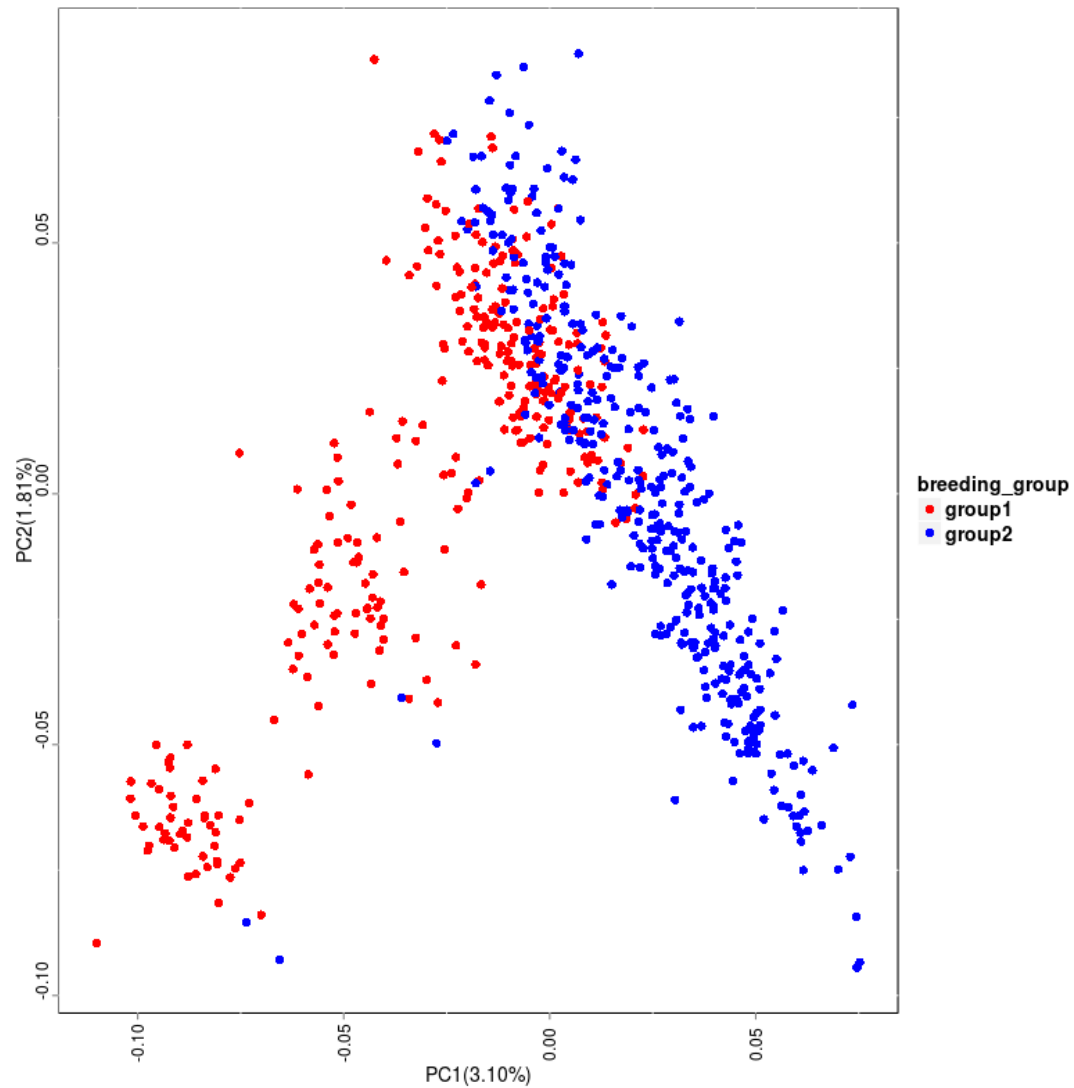


Additional file 3



Principal component analysis of the genomic relationships among the genotyped bulls.

Breeding groups (blue and red dots) represent the grouping of genotyped animals based on a priori information related to two different artificial selection criteria applied in this *Bos indicus* (Nellore) population in the past 20 years.