

Supplementary Figures S2: Histograms of the total numbers of SNPs and genes per chromosome for each animal stored in agReg-SNPdb.

 **Cattle**

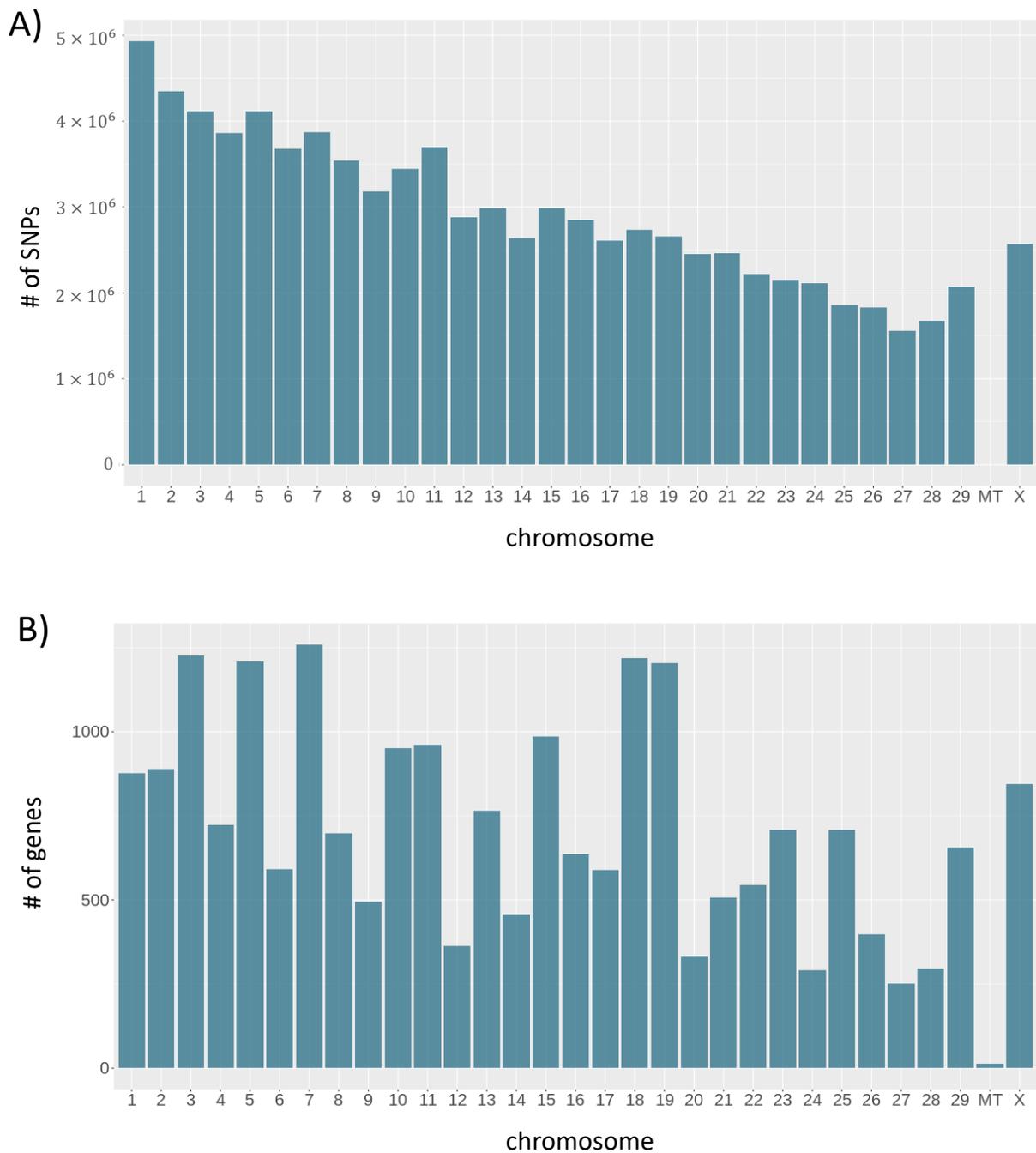


Figure S2.1: Total number of SNPs and genes for each chromosome of cattle. A) shows the number of SNPs per chromosome. B) shows the number of genes per chromosome. In total 88,109,946 SNPs and 21,656 genes are stored in agReg-SNPdb.

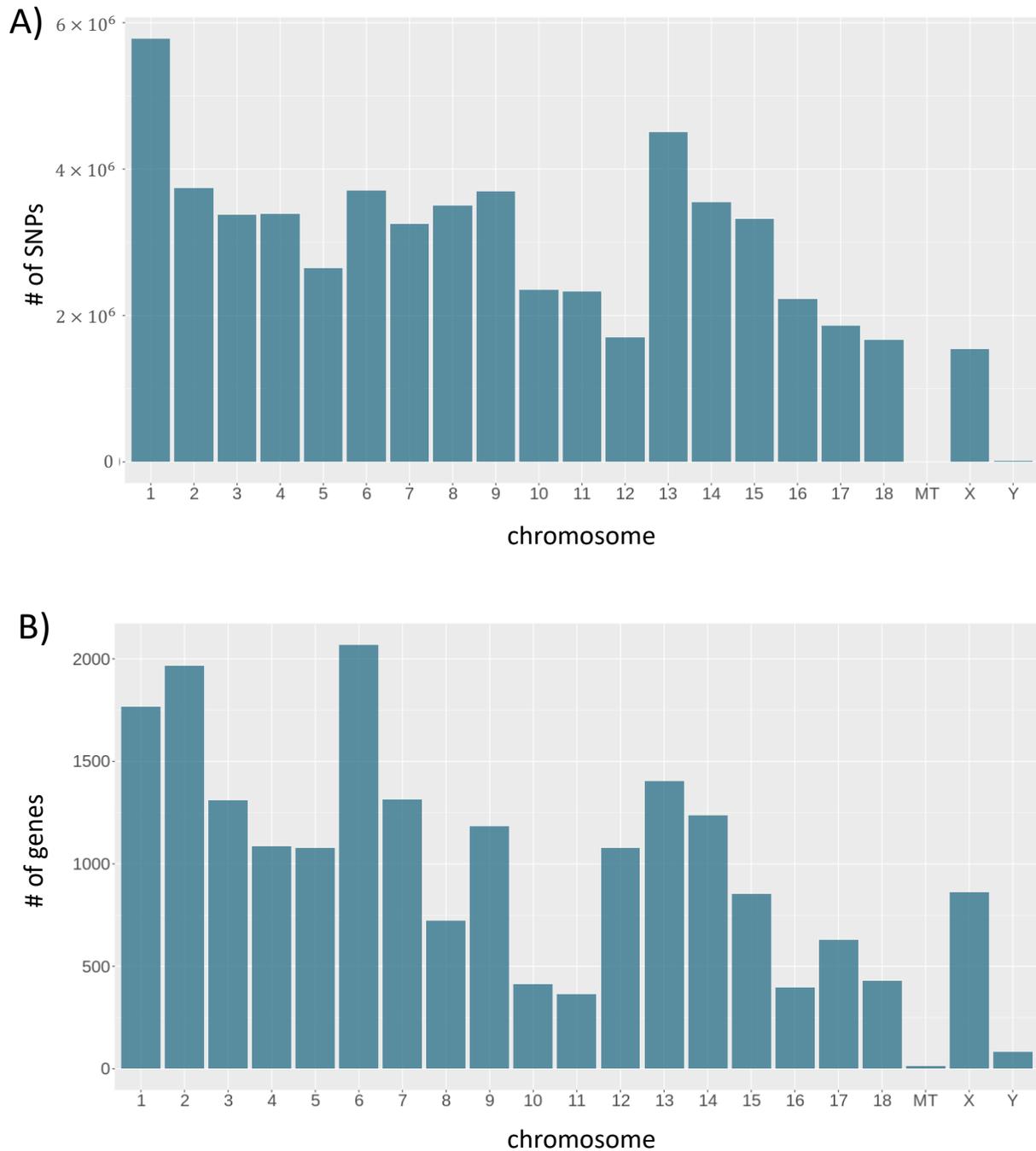


Figure S2.2: Total number of SNPs and genes for each chromosome of pig. A) shows the number of SNPs per chromosome. B) shows the number of genes per chromosome. In total 58,145,647 SNPs and 20,267 genes are stored in agReg-SNPdb.



Chicken

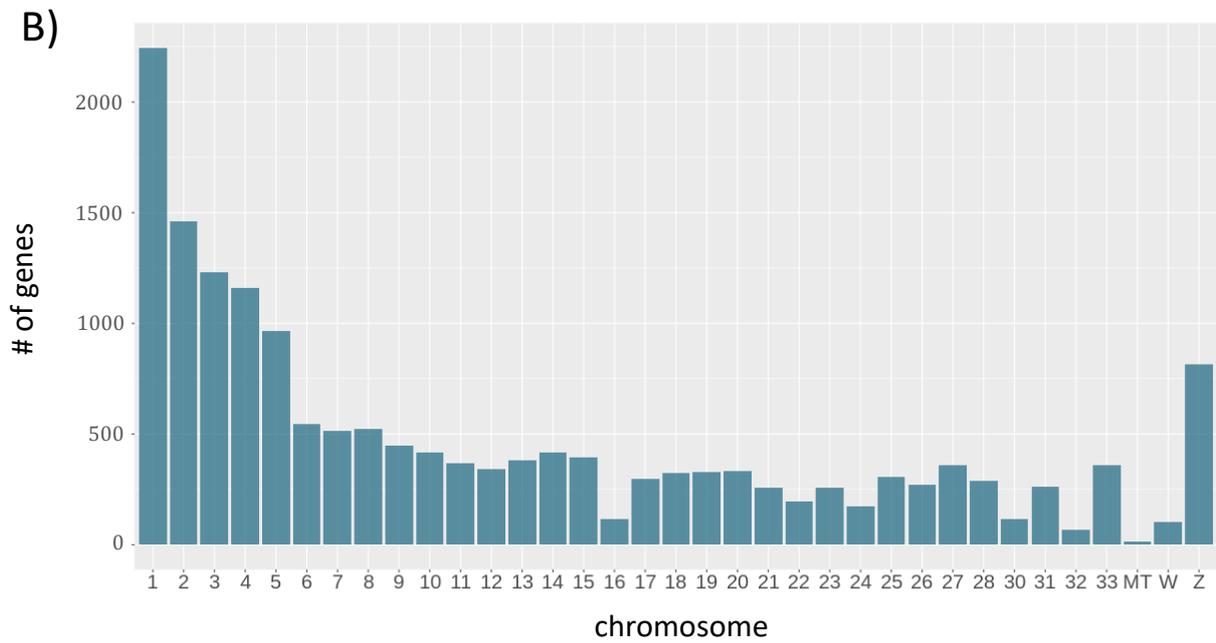
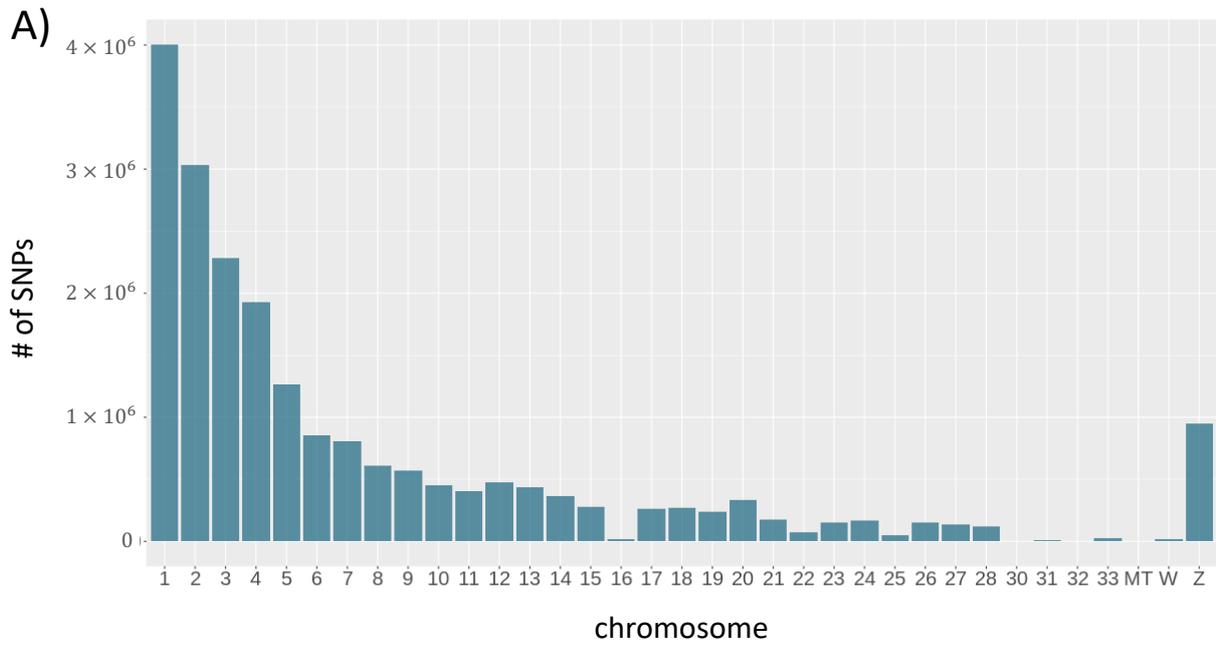


Figure S2.3: Total number of SNPs and genes for each chromosome of chicken. A) shows the number of SNPs per chromosome. B) shows the number of genes per chromosome. In total 20,917,836 SNPs and 16,659 genes are stored in agReg-SNPdb.

 Sheep

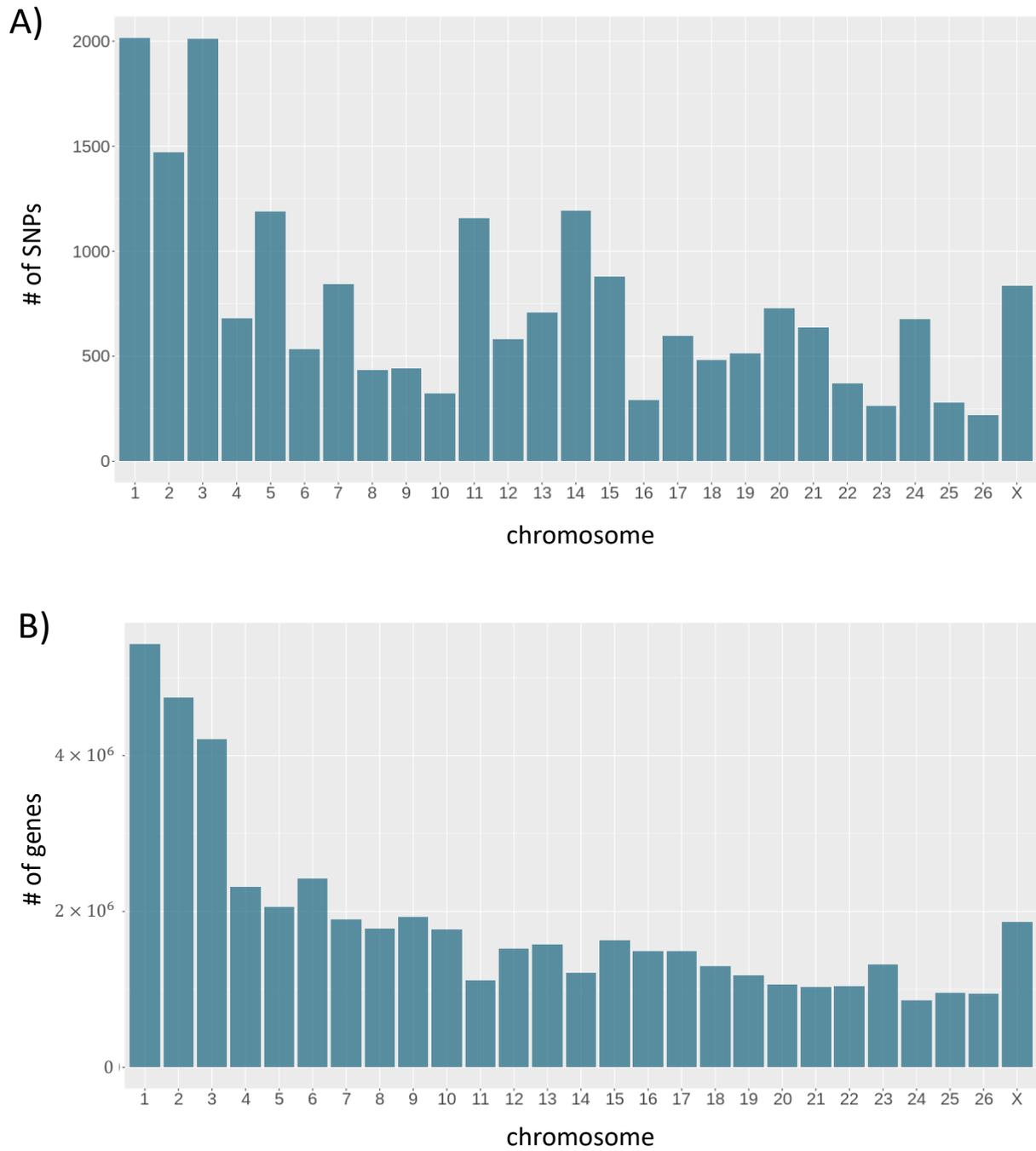


Figure S2.4: Total number of SNPs and genes for each chromosome of sheep. A) shows the number of SNPs per chromosome. B) shows the number of genes per chromosome. In total 50,164,898 SNPs and 20,359 genes are stored in agReg-SNPdb.

 Horse

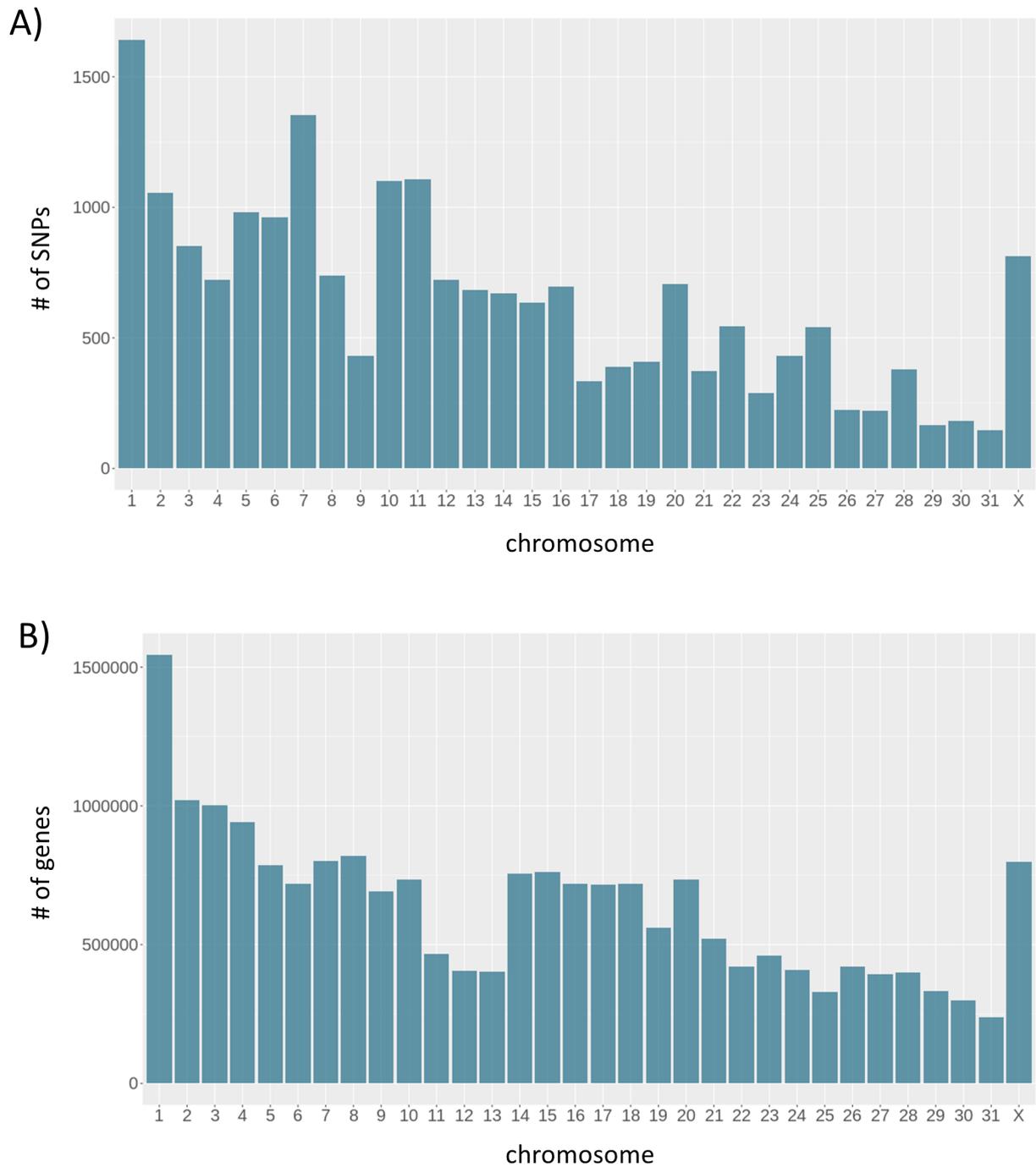


Figure S2.5: Total number of SNPs and genes for each chromosome of horse. A) shows the number of SNPs per chromosome. B) shows the number of genes per chromosome. In total 20,331,427 SNPs and 20,499 genes are stored in agReg-SNPdb.

 Goat

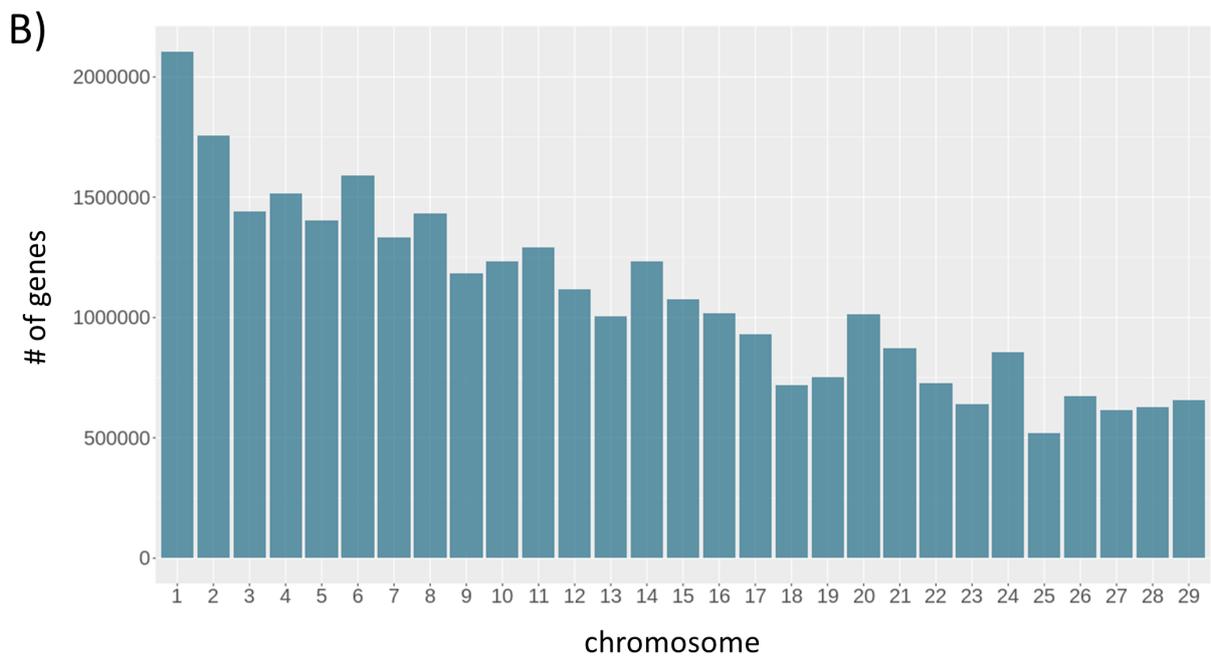
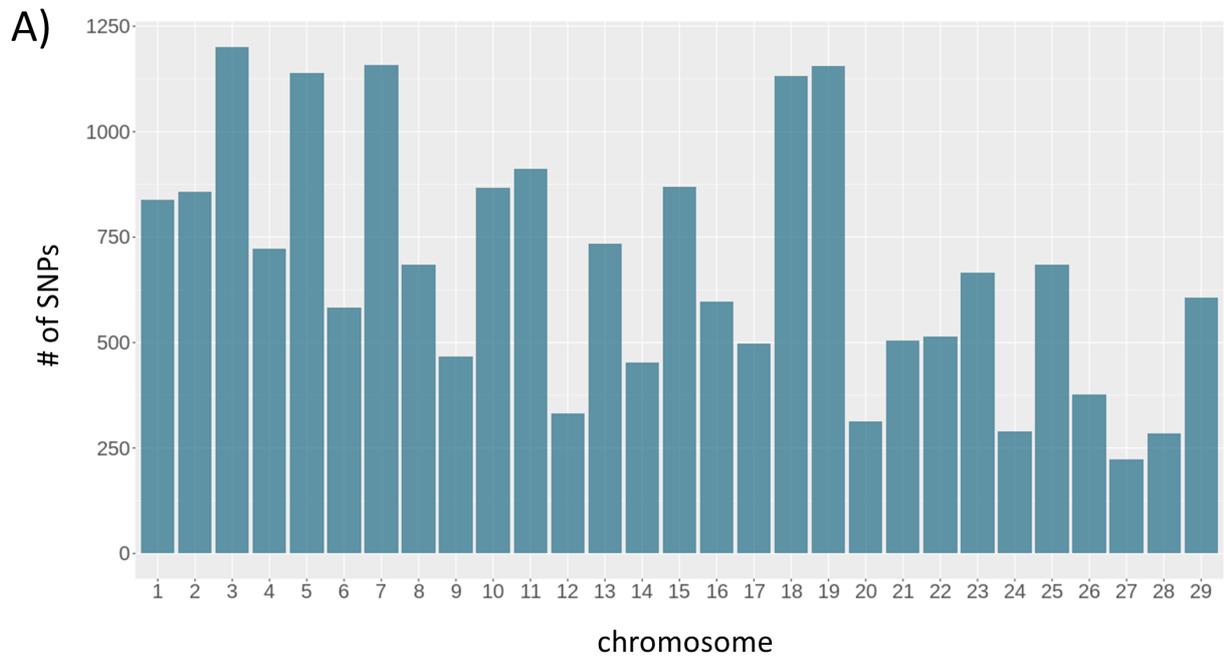


Figure S2.6: Total number of SNPs and genes for each chromosome of goat. A) shows the number of SNPs per chromosome. B) shows the number of genes per chromosome. In total 31,331,447 SNPs and 19,658 genes are stored in agReg-SNPdb.

 Dog

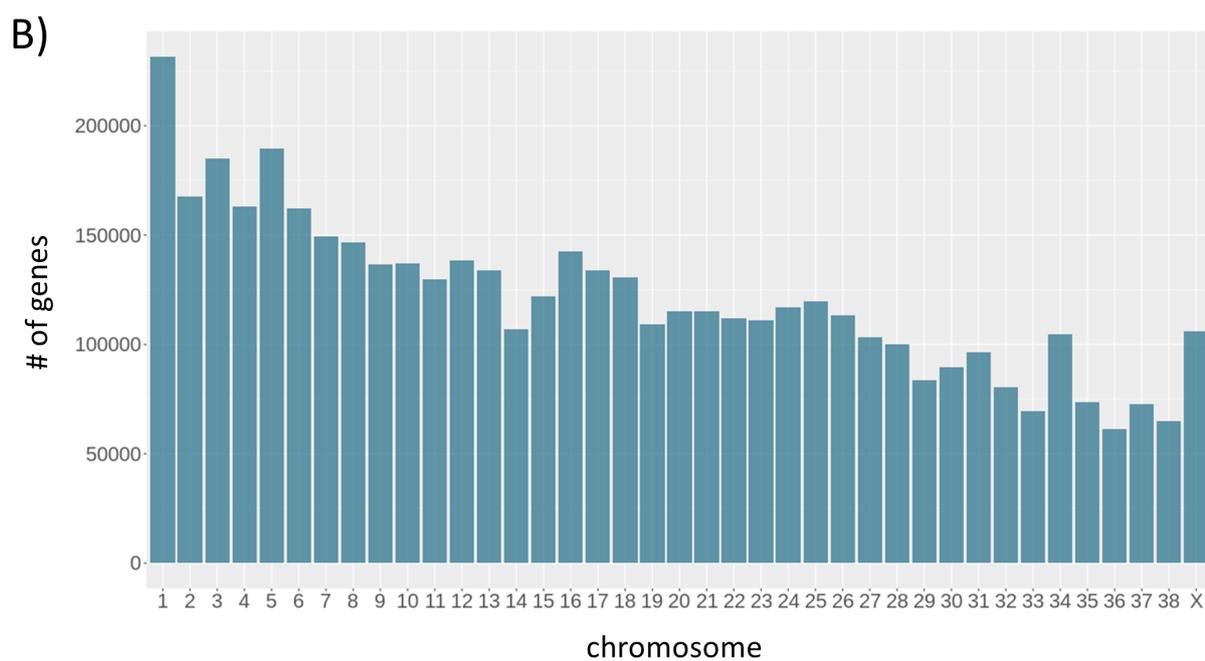
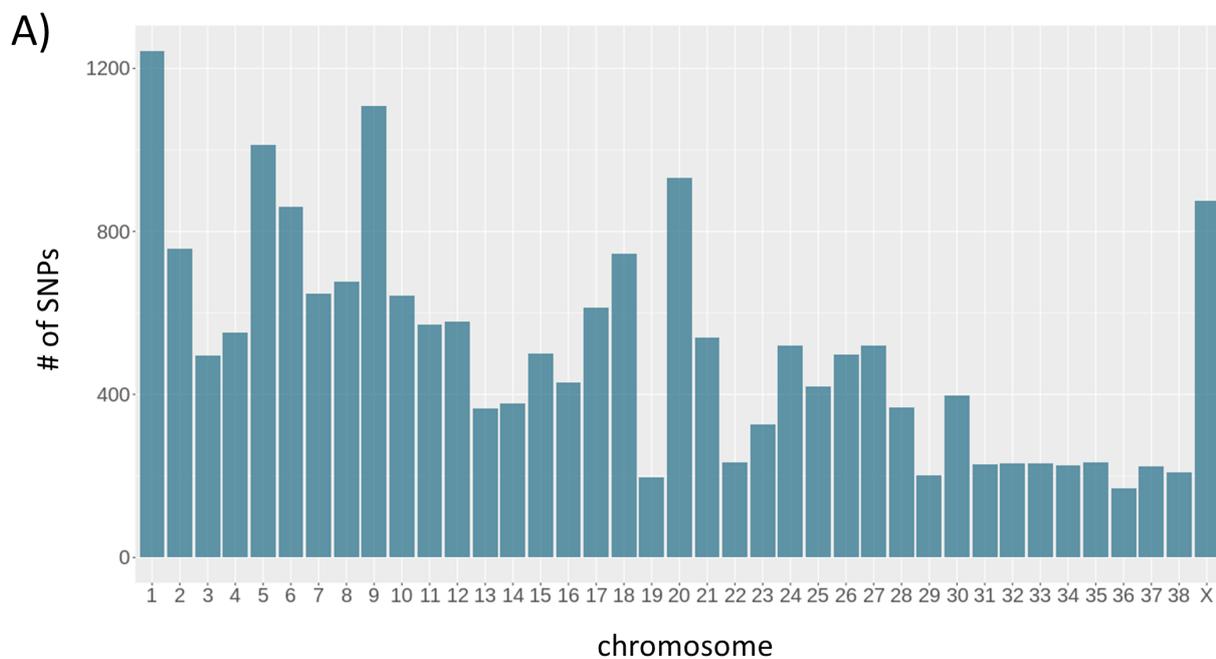


Figure S2.7: Total number of SNPs and genes for each chromosome of dog. A) shows the number of SNPs per chromosome. B) shows the number of genes per chromosome. In total 4,725,021 SNPs and 19,960 genes are stored in agReg-SNPdb.