

Supplemental Figure

Figure S1. SD maps of domestic species

Figure S1.1 SD maps of bovine genome

Figure S1.2 SD maps of porcine genome

Figure S1.3 SD maps of equine genome

Figure S1.4 SD maps of rabbit genome

Figure S1.5 SD maps of caprine genome

Figure S1.6 SD maps of ovine genome

Figure S1.7 SD maps of chicken genome

Only SDs with length ≥ 5 kb are exhibited. Intrachromosomal pairwise alignments are collected by blue line, and the interchromosomals are marked with short red lines. The map was drawn using the program parasight v7.6

(<http://eichlerlab.gs.washington.edu/jeff/parasight/index.html>).

Figure S2. Total length of SD regions on each chromosome of 7 domestic species

Figure S2.1 Total length of SD regions on each chromosome of bovine genome

Figure S2.2 Total length of SD regions on each chromosome of porcine genome

Figure S2.3 Total length of SD regions on each chromosome of equine genome

Figure S2.4 Total length of SD regions on each chromosome of rabbit genome

Figure S2.5 Total length of SD regions on each chromosome of caprine genome

Figure S2.6 Total length of SD regions on each chromosome of ovine genome

Figure S2.7 Total length of SD regions on each chromosome of chicken genome

Chromosome with high content of SDs is marked with red. For better comparison of SD content between different species, we use the uniform coordinate axis among 7 species.

Figure S3. Distribution of SDs (length ≥ 5 kb) among 7 domestic species

Figure S3.1 Distribution of SDs (length ≥ 5 kb) of bovine genome

Figure S3.2 Distribution of SDs (length ≥ 5 kb) of porcine genome

Figure S3.3 Distribution of SDs (length ≥ 5 kb) of equine genome

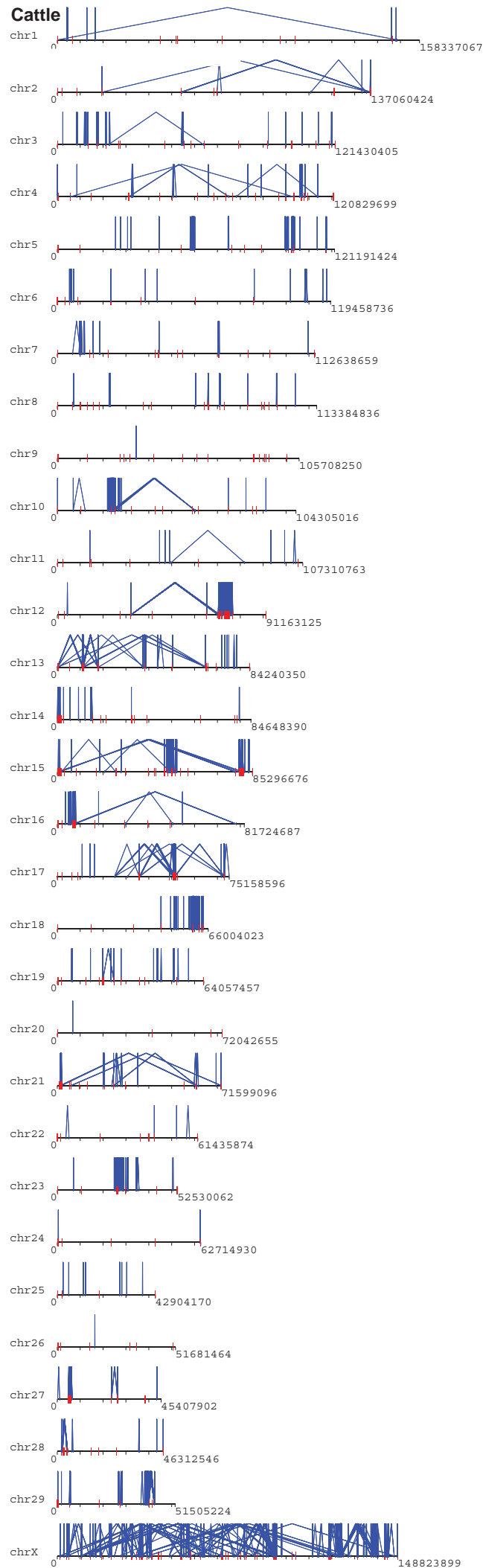
Figure S3.4 Distribution of SDs (length ≥ 5 kb) of rabbit genome

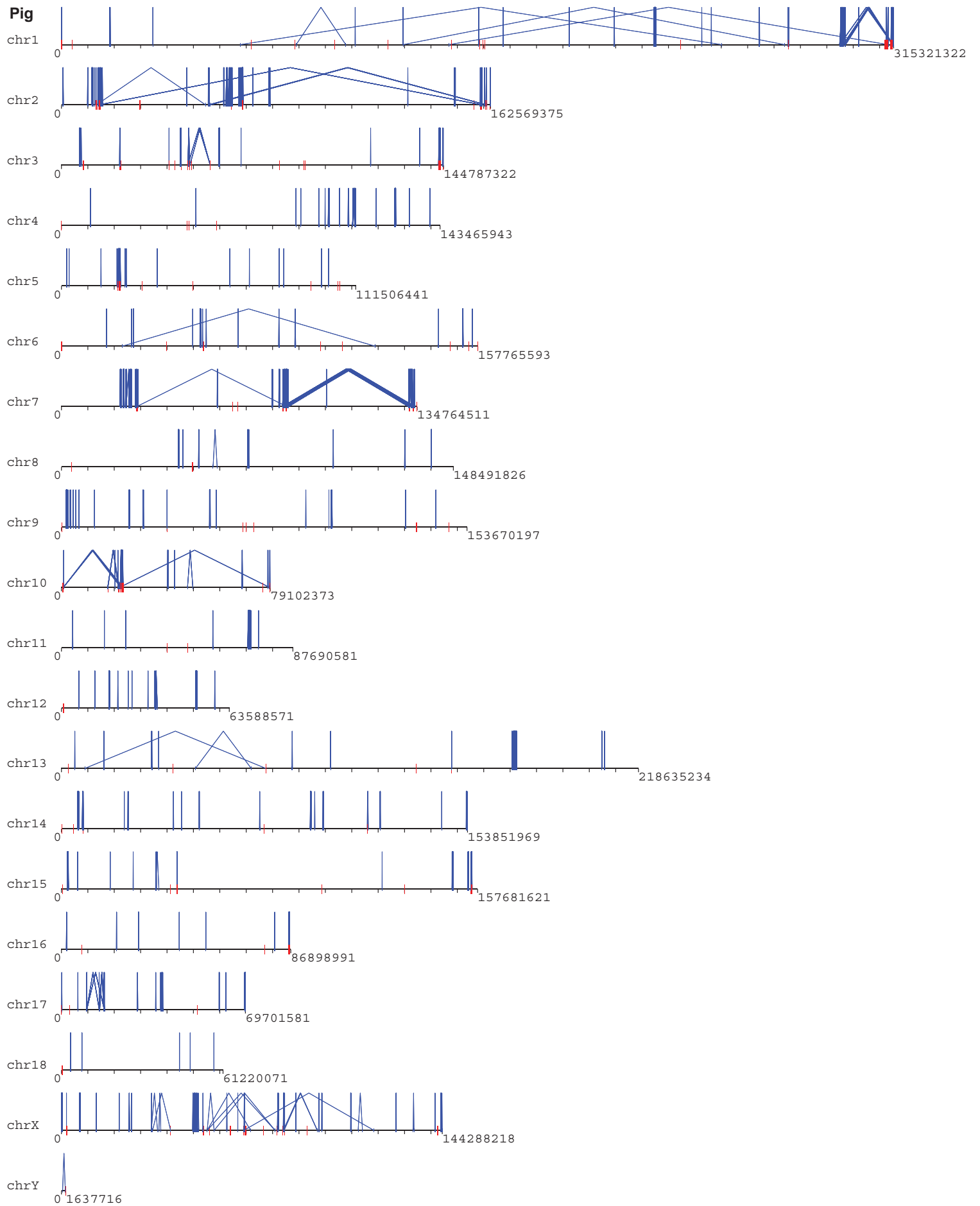
Figure S3.5 Distribution of SDs (length ≥ 5 kb) of caprine genome

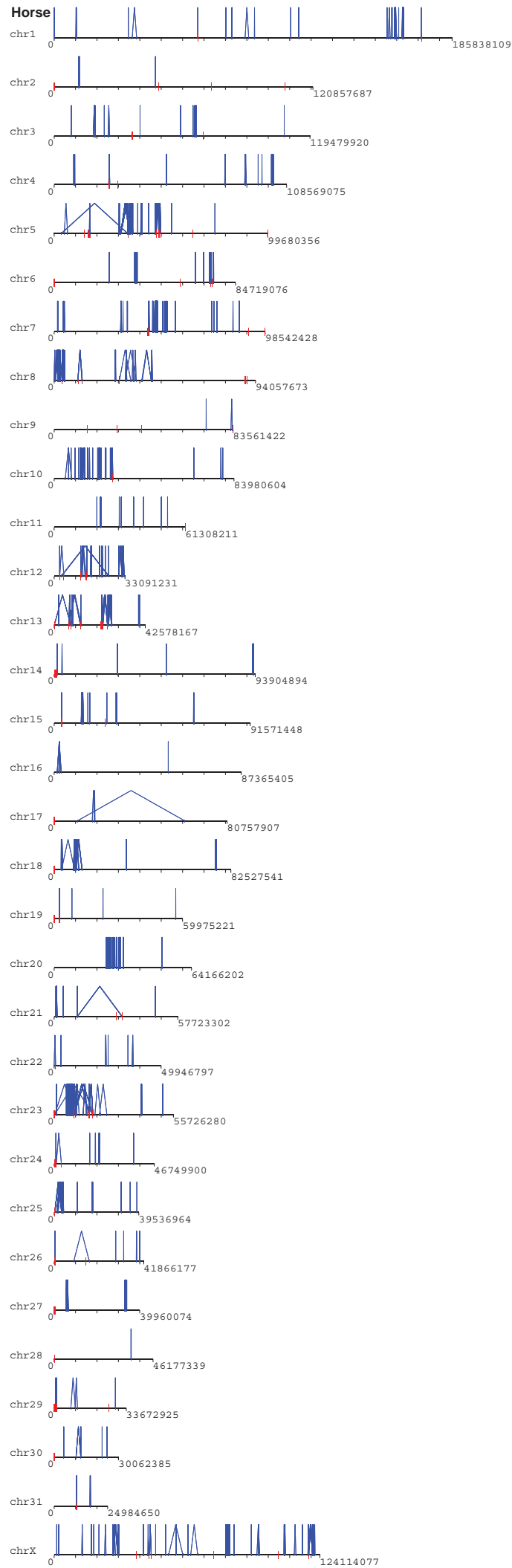
Figure S3.6 Distribution of SDs (length ≥ 5 kb) of ovine genome

Figure S3.7 Distribution of SDs (length ≥ 5 kb) of chicken genome

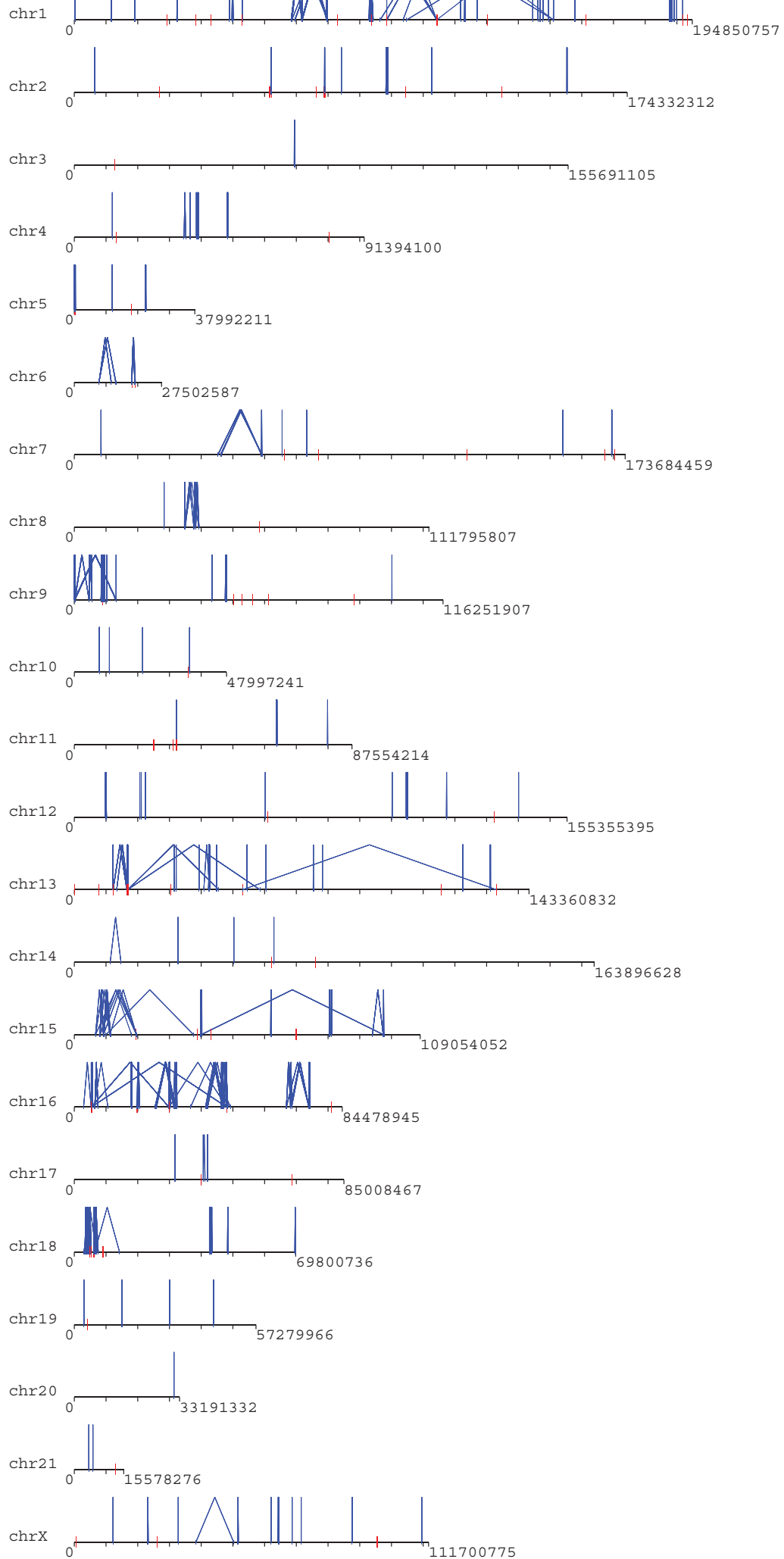
Only SDs with length ≥ 5 kb are exhibited. Pairwise alignments with identity $< 94\%$ are drawn in red lines, and pairwise alignments with identity $\geq 94\%$ are marked in blue lines. The result was drawn using the program Circos (<http://circos.ca/>)

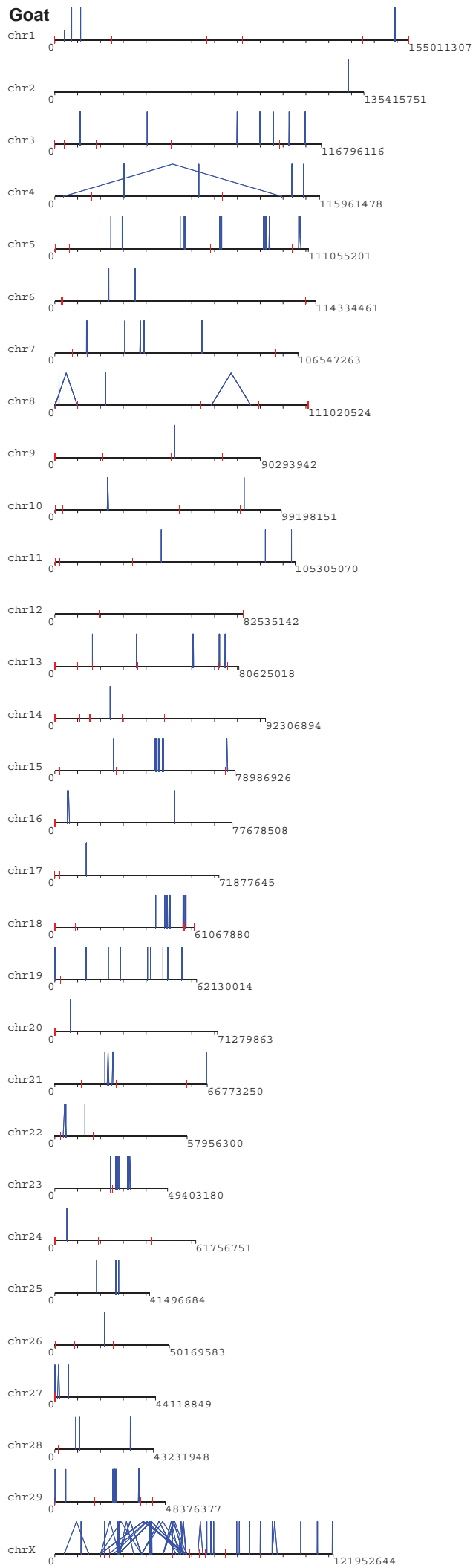


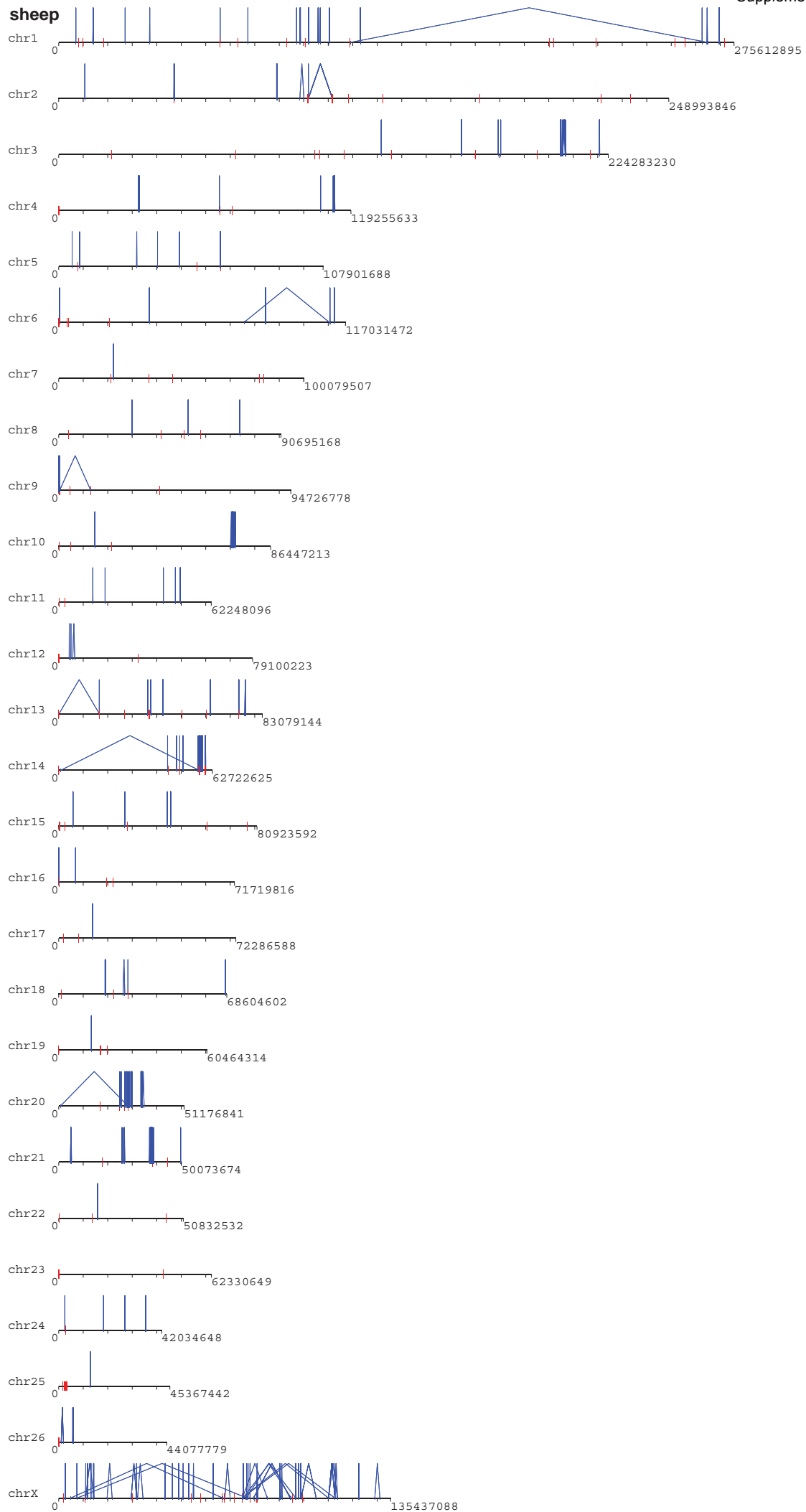


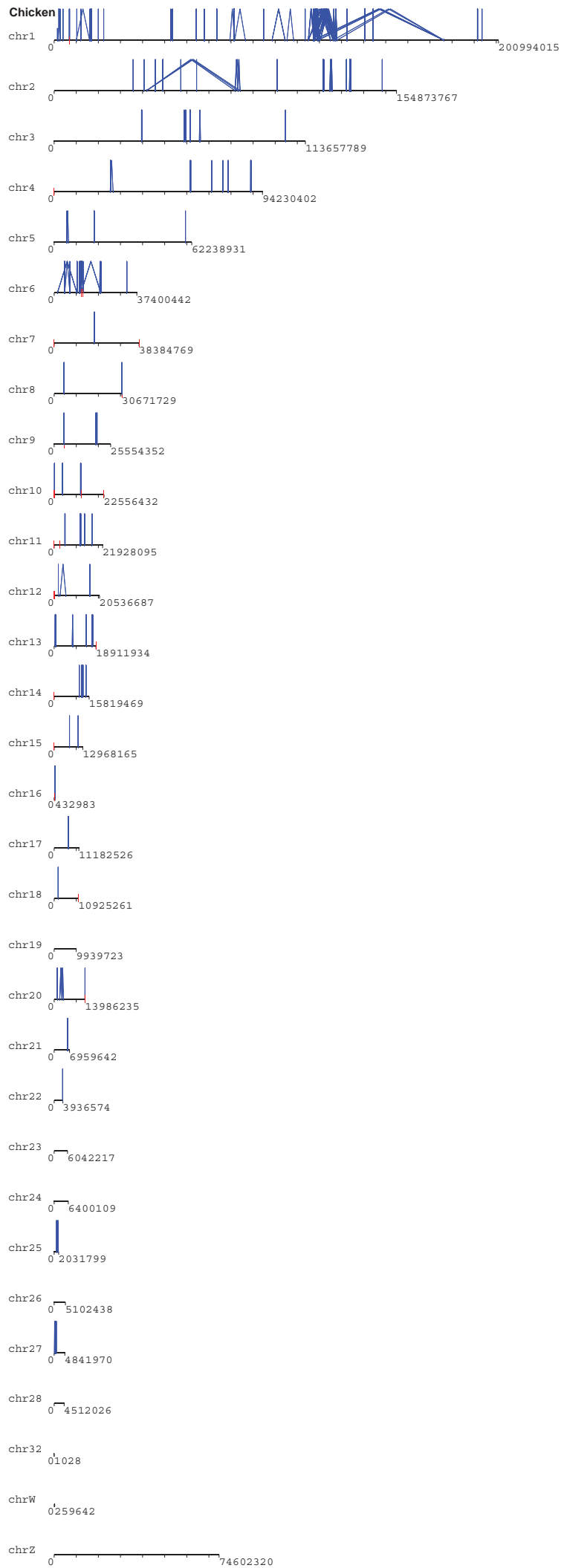


Rabbit

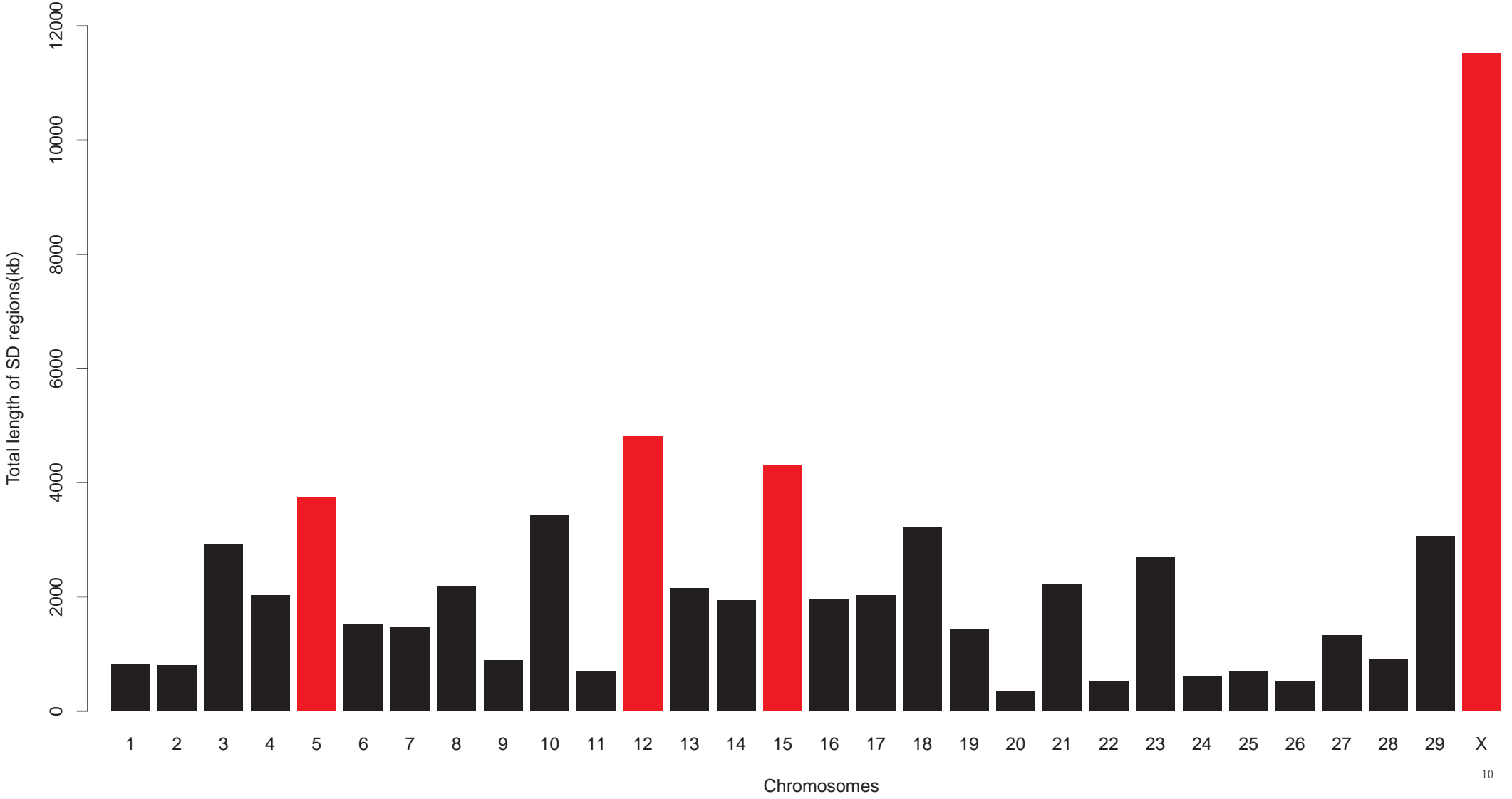




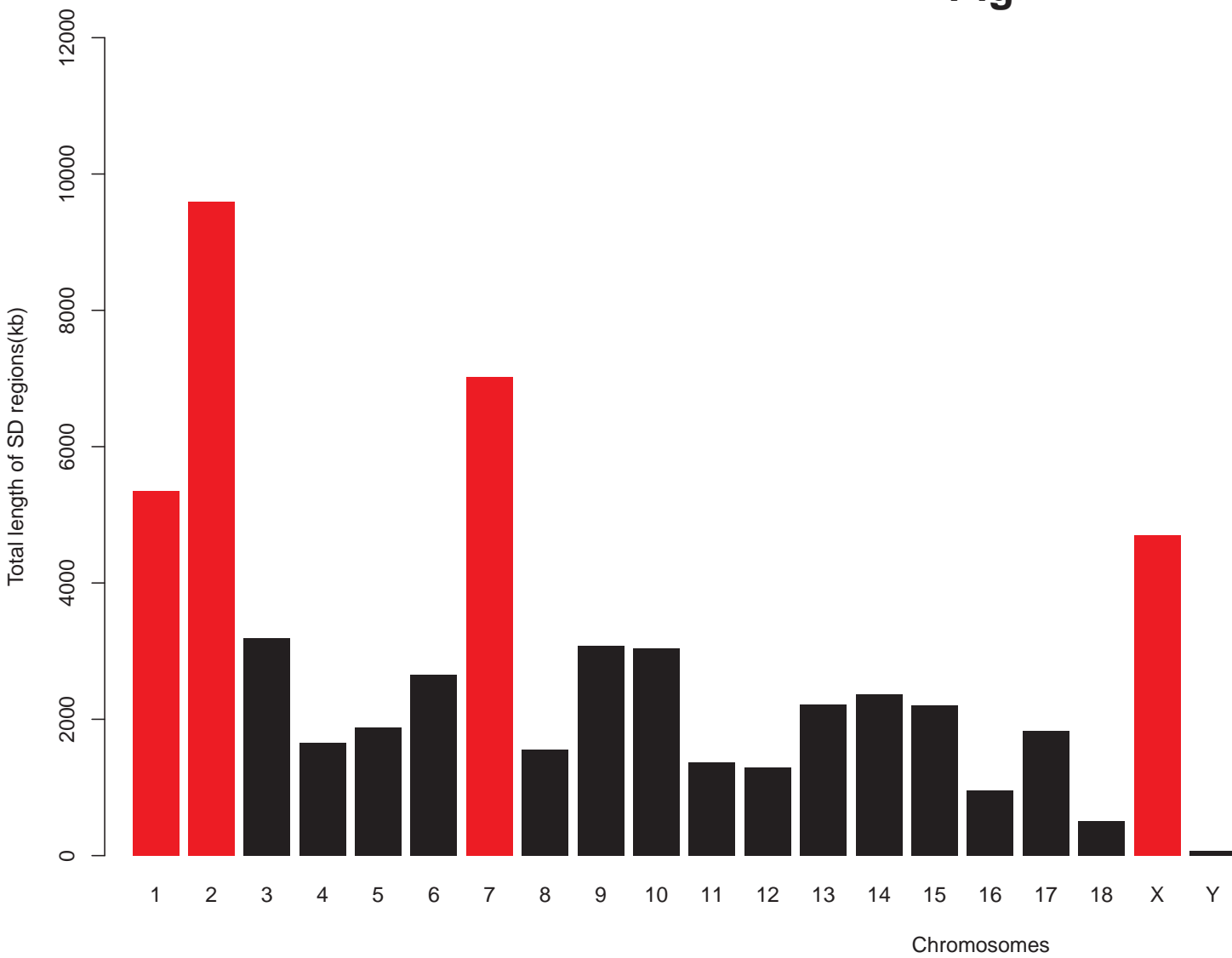




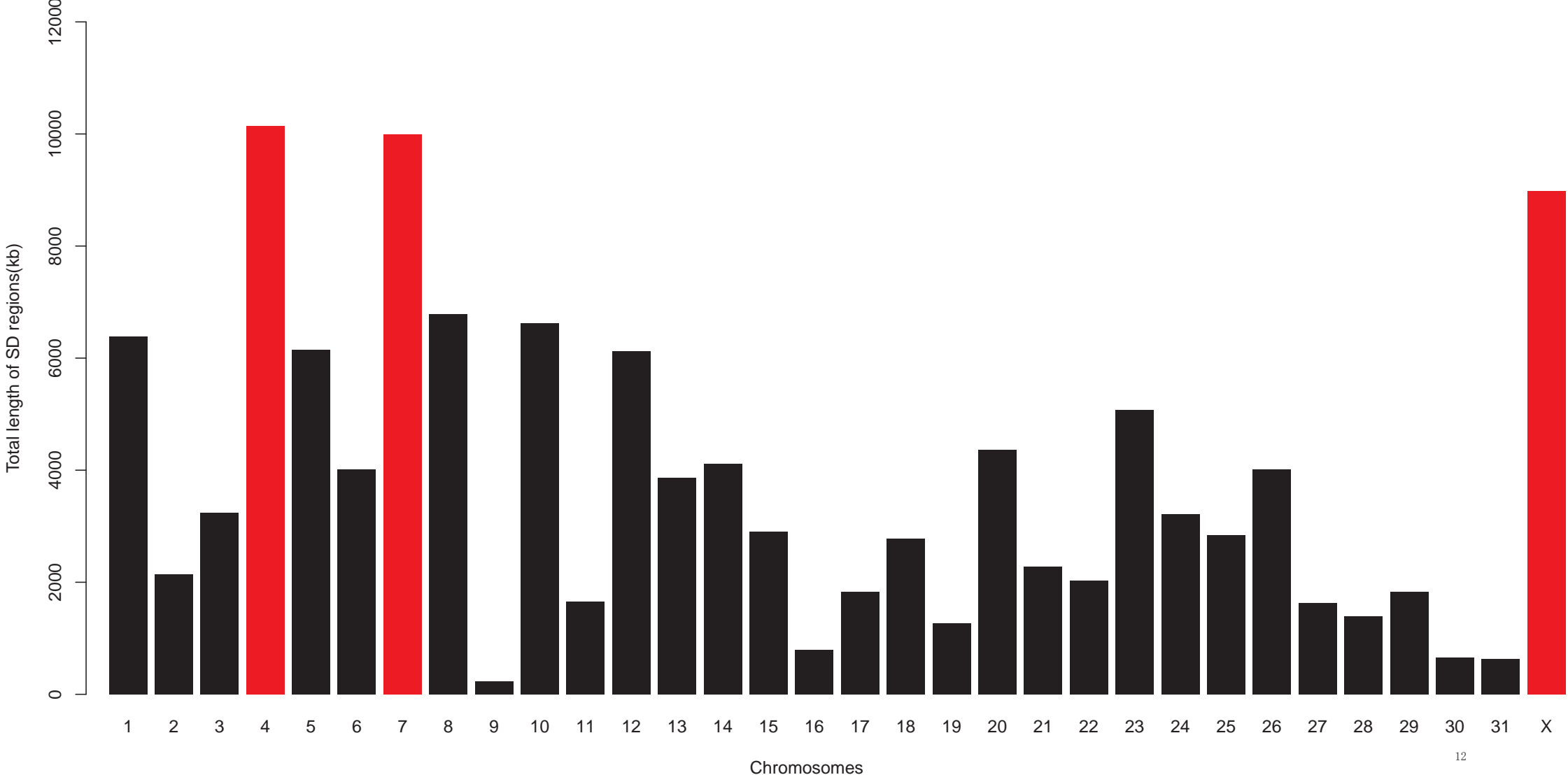
Cattle



Pig

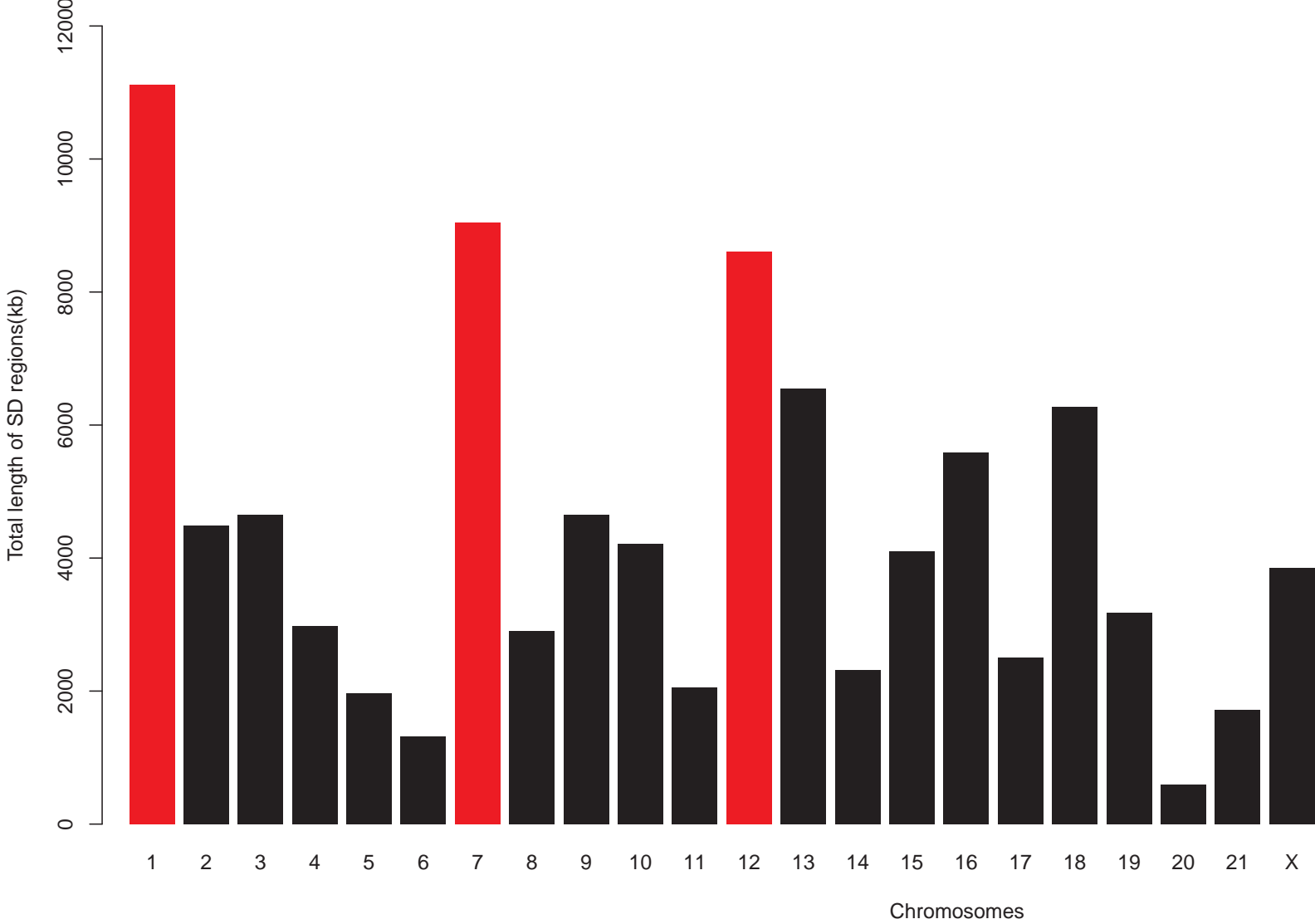


Horse

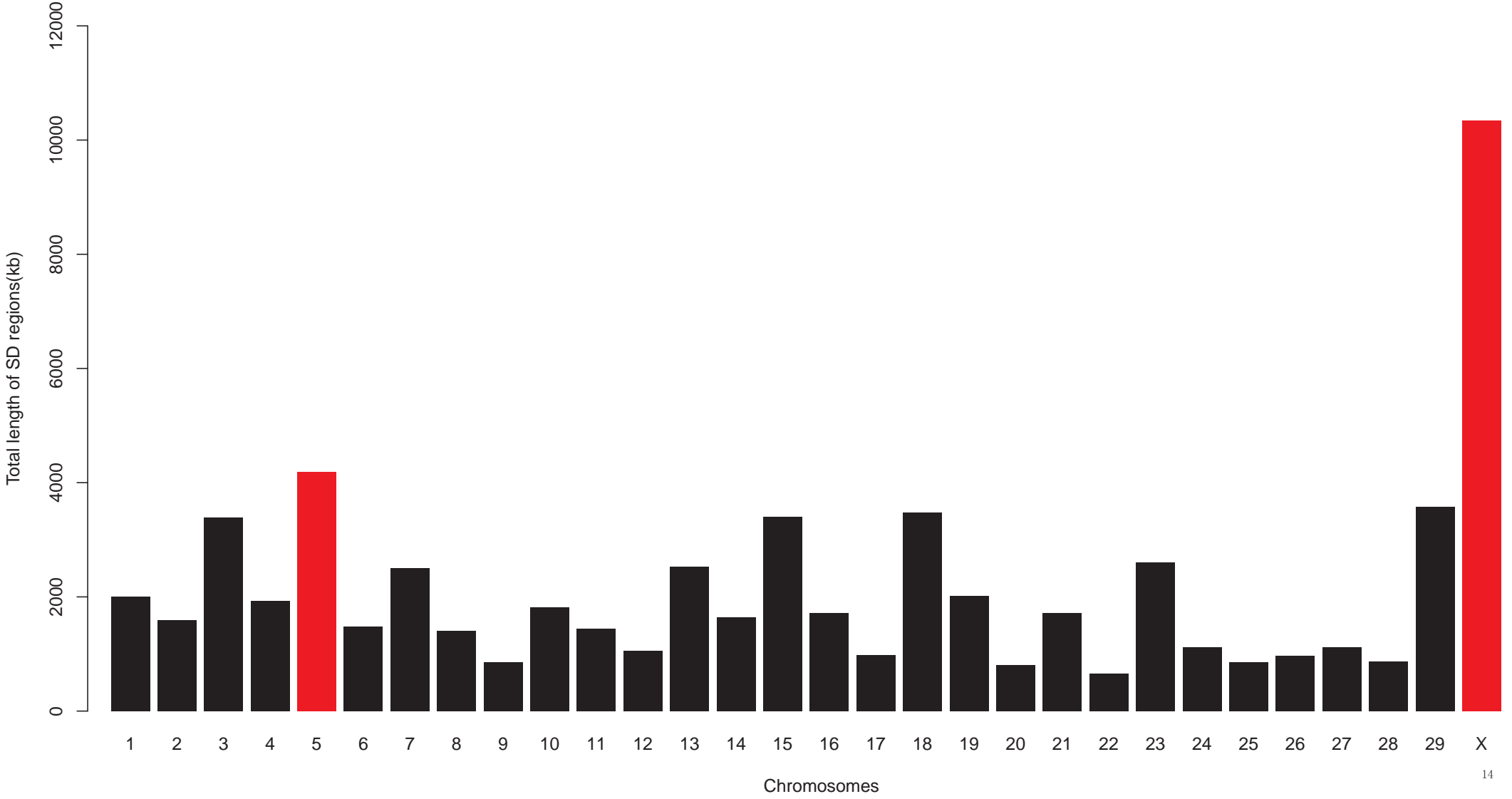


12

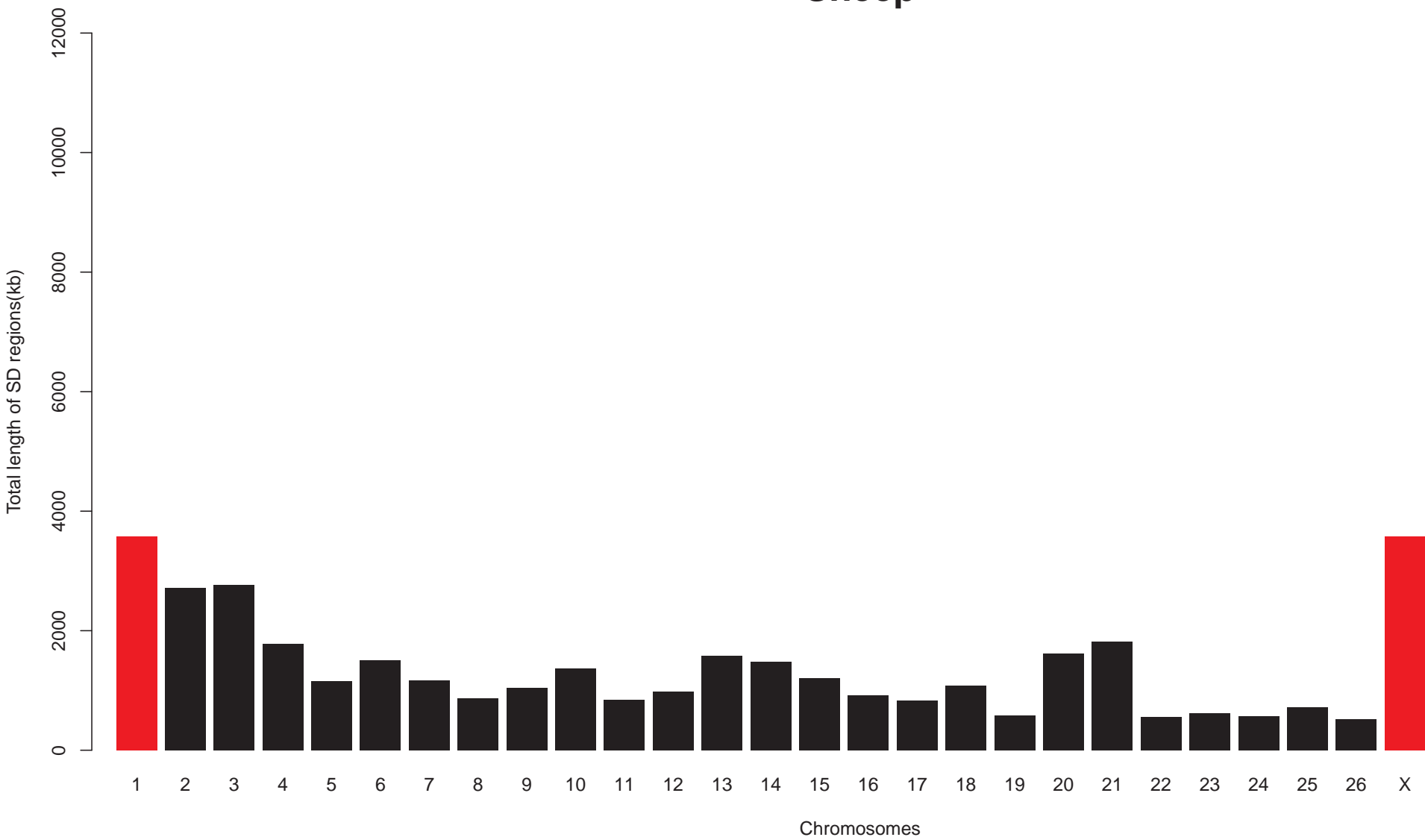
Rabbit



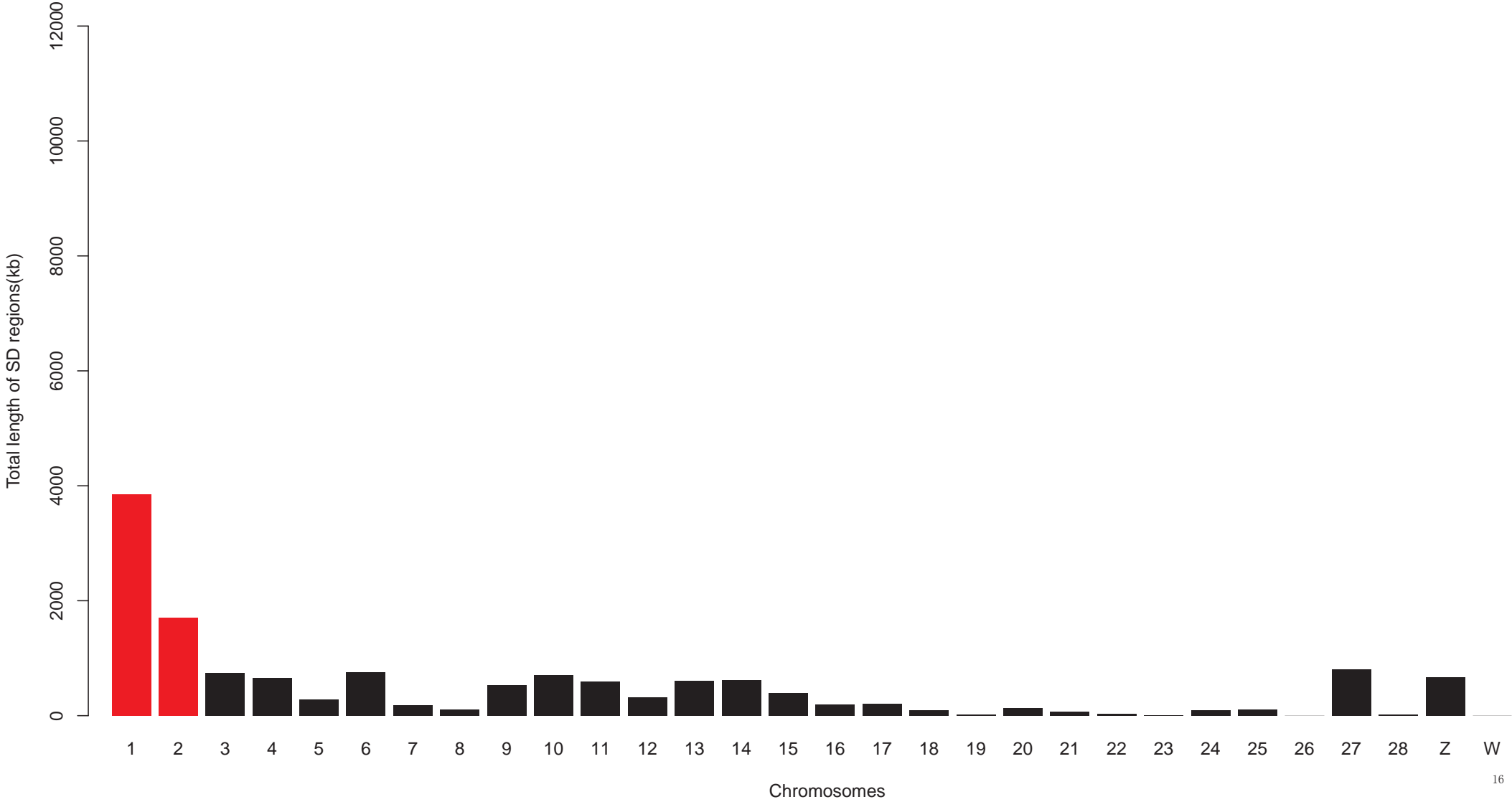
Goat



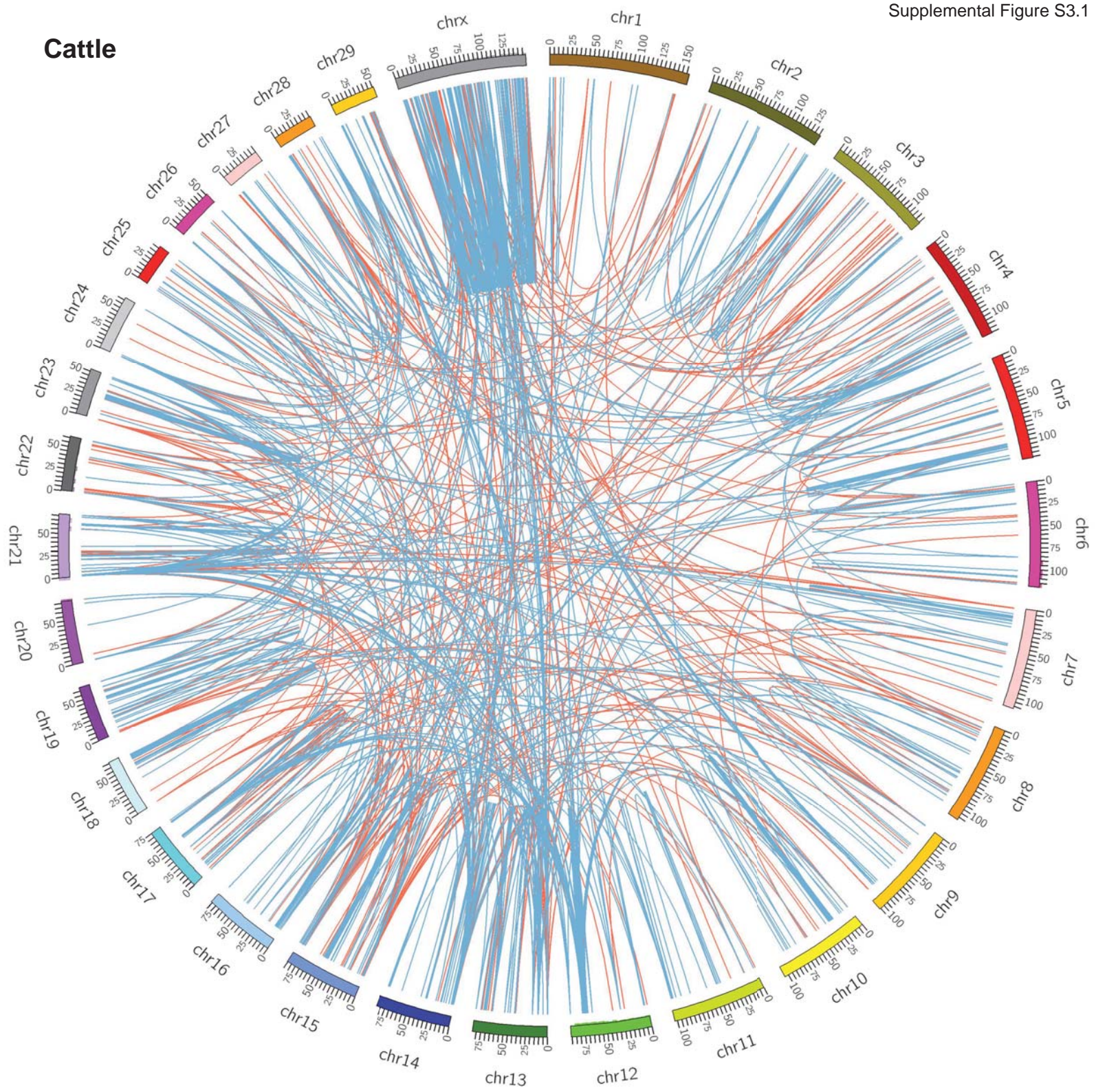
Sheep



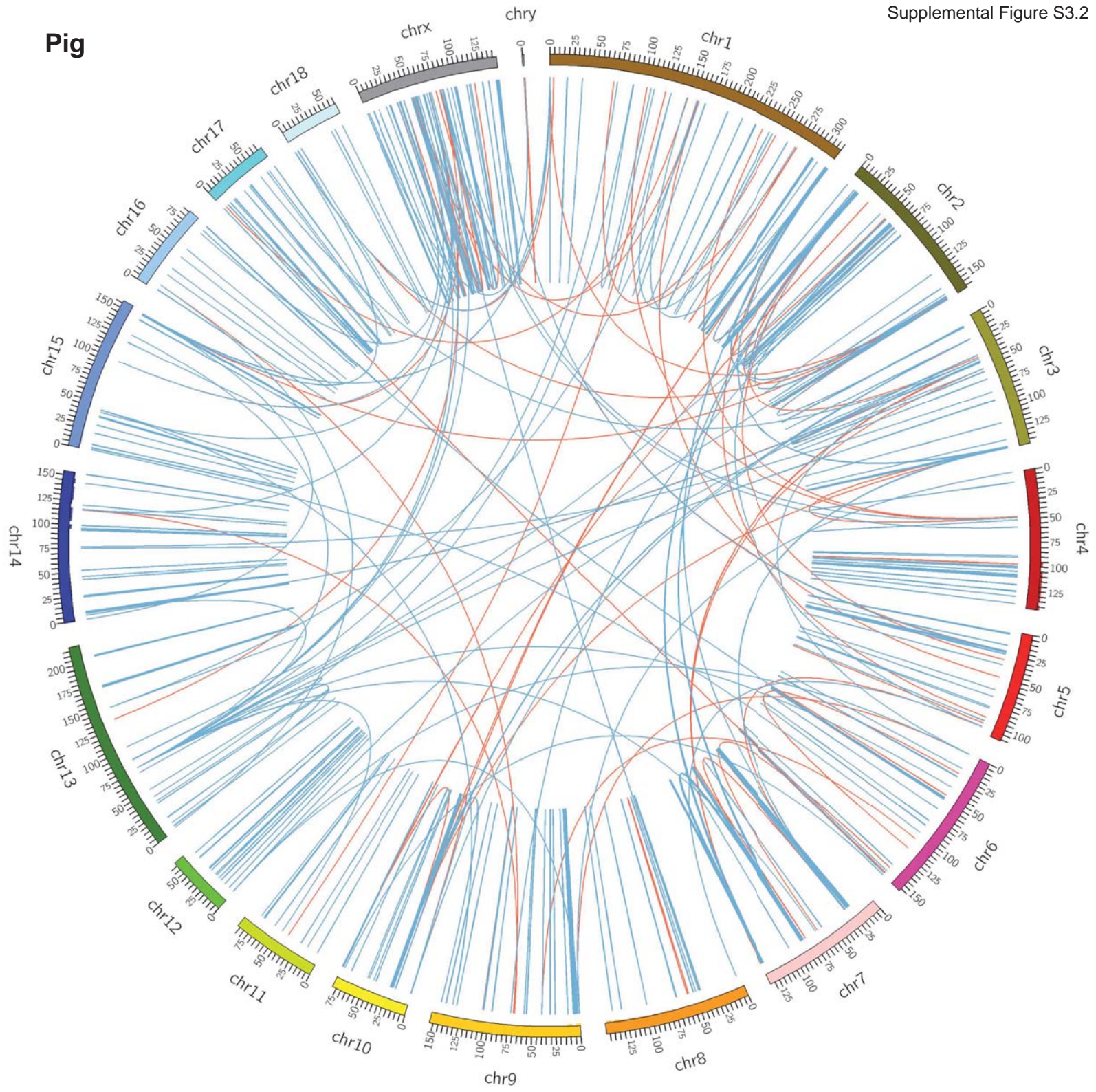
Chicken



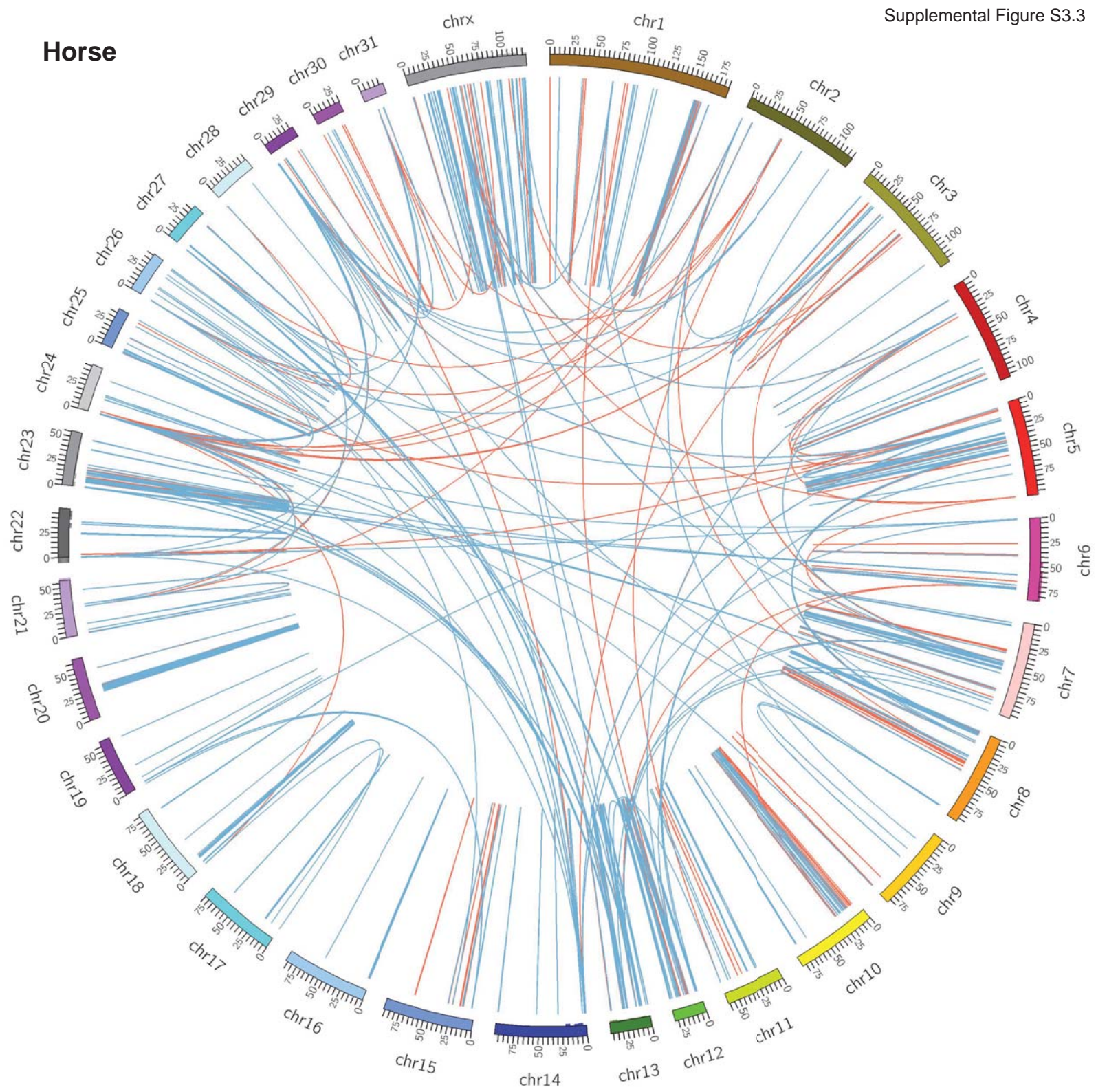
Cattle



Pig



Horse



Rabbit

