

Scale
chr9:

145,465,000 | 145,470,000 | 145,475,000 | 145,480,000 | 145,485,000 | 145,490,000 | 145,495,000 |

10 kb | GCA_009914755.4
CHM13 unique in comparison to GRCh38/hg38

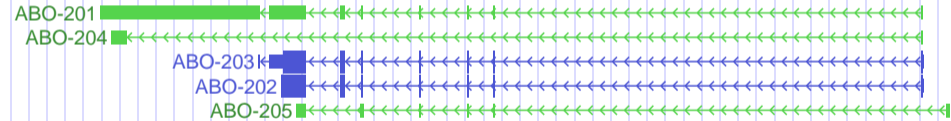
Consensus rDNA models

Centromeric Satellite Annotation

lifts of all hg38 sequences including haplotypes with testLiftRechainer

Couldn't open https://hgdownload.soe.ucsc.edu/hubs/GCA/009/914/755/GCA_009914755.4/bbi/liftJkAll.bigPsl

CAT + Liftoff Gene Annotations



NCBI RefSeq genes, curated and predicted sets (NM_*, XM_*, NR_*, XR_*, NP_* or YP_*)



NCBI RefSeq genes, curated subset (NM_*, NR_*, NP_* or YP_*)



NCBI RefSeq genes, predicted subset (XM_* or XR_*)

NCBI RefSeq other annotations (not NM_*, NR_*, XM_*, XR_*, NP_* or YP_*)