



This figure displays a detailed genomic visualization of the human genome, presented in a landscape orientation. At the top, a chromosome ideogram shows the 22 pairs of autosomes and the X and Y chromosomes, color-coded by size and position. Below the ideogram, a corresponding genomic track is shown, displaying various genomic features across the genome. The track is divided into several sections, each representing a different functional category, color-coded to match the ideogram. The sections include:

- Gene Models:** Represented by horizontal bars with arrows indicating the direction of transcription.
- Exons:** Represented by solid colored blocks.
- Introns:** Represented by lines with arrows indicating the direction of splicing.
- Regulatory Elements:** Represented by various symbols, including boxes and lines, indicating the location of enhancers, promoters, and other regulatory sequences.
- Other Features:** Represented by various symbols, including boxes and lines, indicating the location of other genomic features such as repeats, SNPs, and structural variants.

The visualization provides a comprehensive overview of the human genome, highlighting the complex organization and functional diversity of the DNA sequence. The color-coding and symbolic representation facilitate the identification and interpretation of various genomic features across the entire genome.