

Download Sex Itself The Search For Male And Female In The Human Genome

The Y chromosome is one of two sex chromosomes in mammals, including humans, and many other animals. The other is the X chromosome. Y is the sex-determining chromosome in many species, since it is the presence or absence of Y that determines the male or female sex of offspring produced in sexual reproduction. In mammals, the Y chromosome contains the gene SRY, which triggers testis development. The human genome is the complete set of nucleic acid sequences for humans, encoded as DNA within the 23 chromosome pairs in cell nuclei and in a small DNA molecule found within individual mitochondria. These are usually treated separately as the nuclear genome, and the mitochondrial genome. Human genomes include both protein-coding DNA genes and noncoding DNA. Society increasingly accepts that gender identity exists along a spectrum. The study of people, and their remains, shows sex should be viewed the same way. We report a genome-wide association scan for facial features in 6,000 Latin Americans. We evaluated 14 traits on an ordinal scale and found significant association (P values $< 5 \times 10^{-8}$) at ...