

Genome sequence information has continued to accumulate at a spectacular pace during the past year. Details of the sequence and gene content of human chromosome 22 were published. The sequencing and annotation of the first two *Arabidopsis thaliana* chromosomes was completed. The sequence of chromosome 3 from *Plasmodium falciparum*, the second sequenced malaria chromosome, was reported, as was that of chromosome 1 from *Leishmania major*. The complete genomic sequences of five microbes were reported. Approaches to using data from completely sequenced microbial genomes in phylogenetic studies are being explored, as is the application of microarrays to whole genome expression analysis.

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