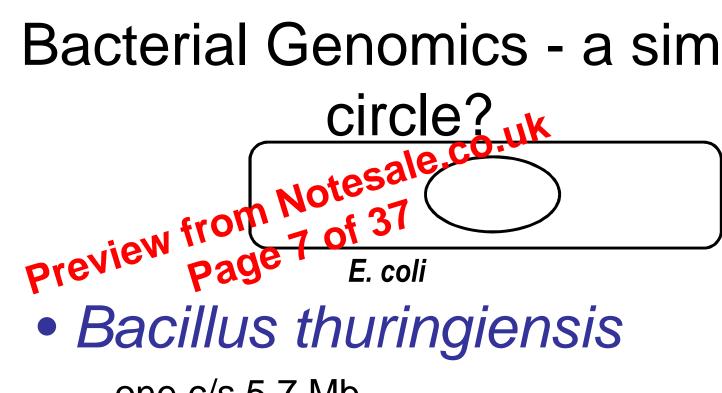
Preview from Notesale.co.uk

Preview from Notesale.co.uk

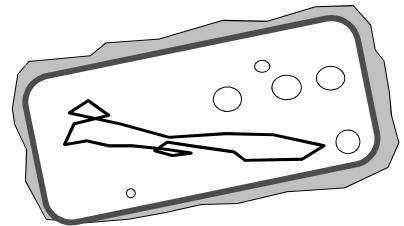
Preview from Notesale.co.uk

Introductory Genomics

Bacterial Genomics - a simple



- Bacillus thuringiensis
 - one c/s 5.7 Mb
 - 6 plasmids each >50 kb totaling 1.2 Mb





A short history of the HGP 1953 W&C DNAMOLESTURE

1972 Peul Berg fits recombinant molecule 1977 M&C and Sanger DNA sequencing

1985 Kary Mullis PCR

1986 1st public mooting of project, later money

Leroy Hood & Lloyd Smith automated sequencer

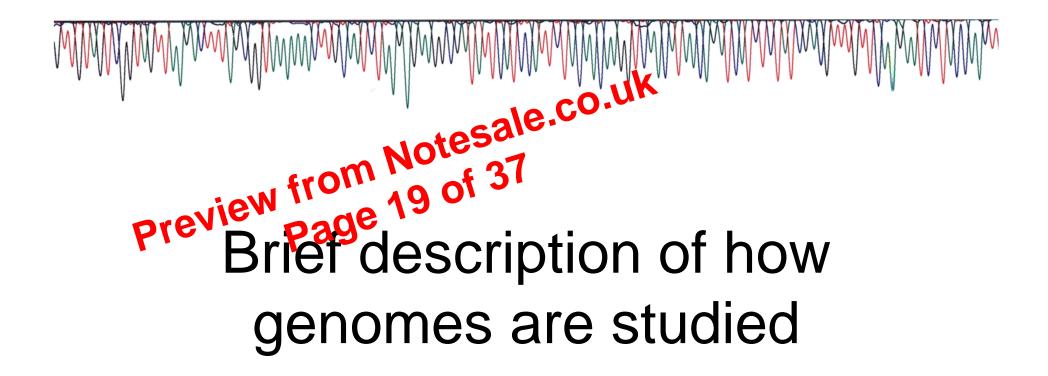
1987 WUMS YACs

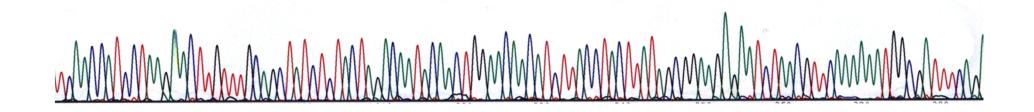
Helen Donis-Keller 1st map

Du Pont fluorescent dyes

1988 BIG money

Trials on smaller genomes





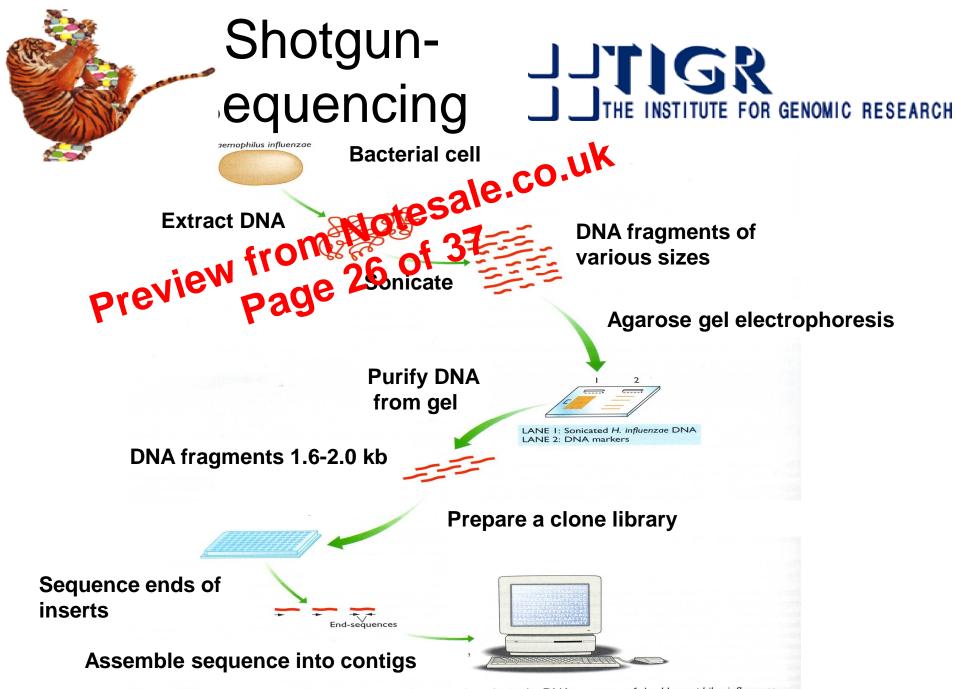
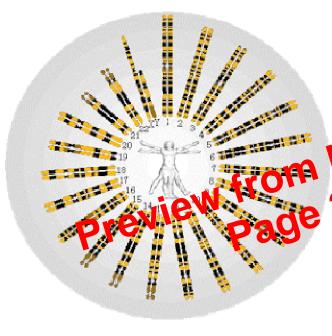


Figure 6.10 The way in which the shotgun approach was used to obtain the DNA sequence of the Haemophilus influenzae



- Average gene is 3000 bp
- Biggeregene 2.4 million bp

 - Approx 97% non-coding
 - 98% identical to chimp!

