

FIGURE 27.1. Steps in the construction of gene phylogenies. Phylogenetic analysis of genes can be divided into a few key steps: Choose a gene of interest (shown here as gene #5), identify homologs (genes 1–4 and 6), align homologs to each other (shown by *green lines*), and calculate a gene tree. (Based on Eisen J.A. *Genome Research* 8: 163–167, Fig. 1, © 1998 CSHLP.)

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