

Supporting Information

Armache et al. 10.1073/pnas.1009999107

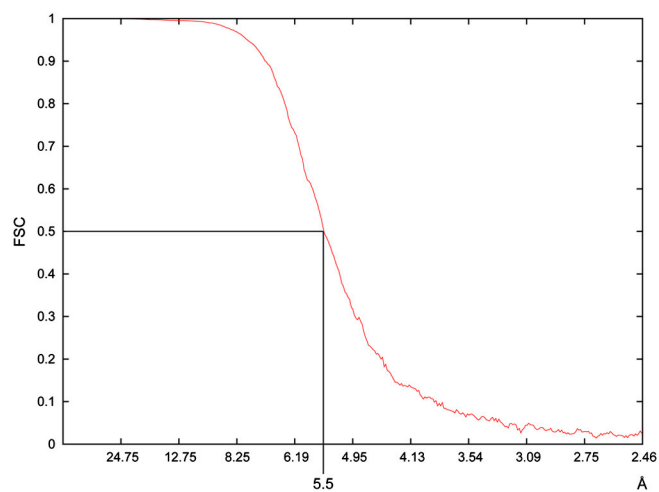


Fig. S1. Fourier shell correlation (FSC) curve for the cryo-EM reconstruction of the *Triticum aestivum* 80S ribosome-nascent chain complex, with resolution of 5.5 Å according to a cut-off of the FSC at 0.5.

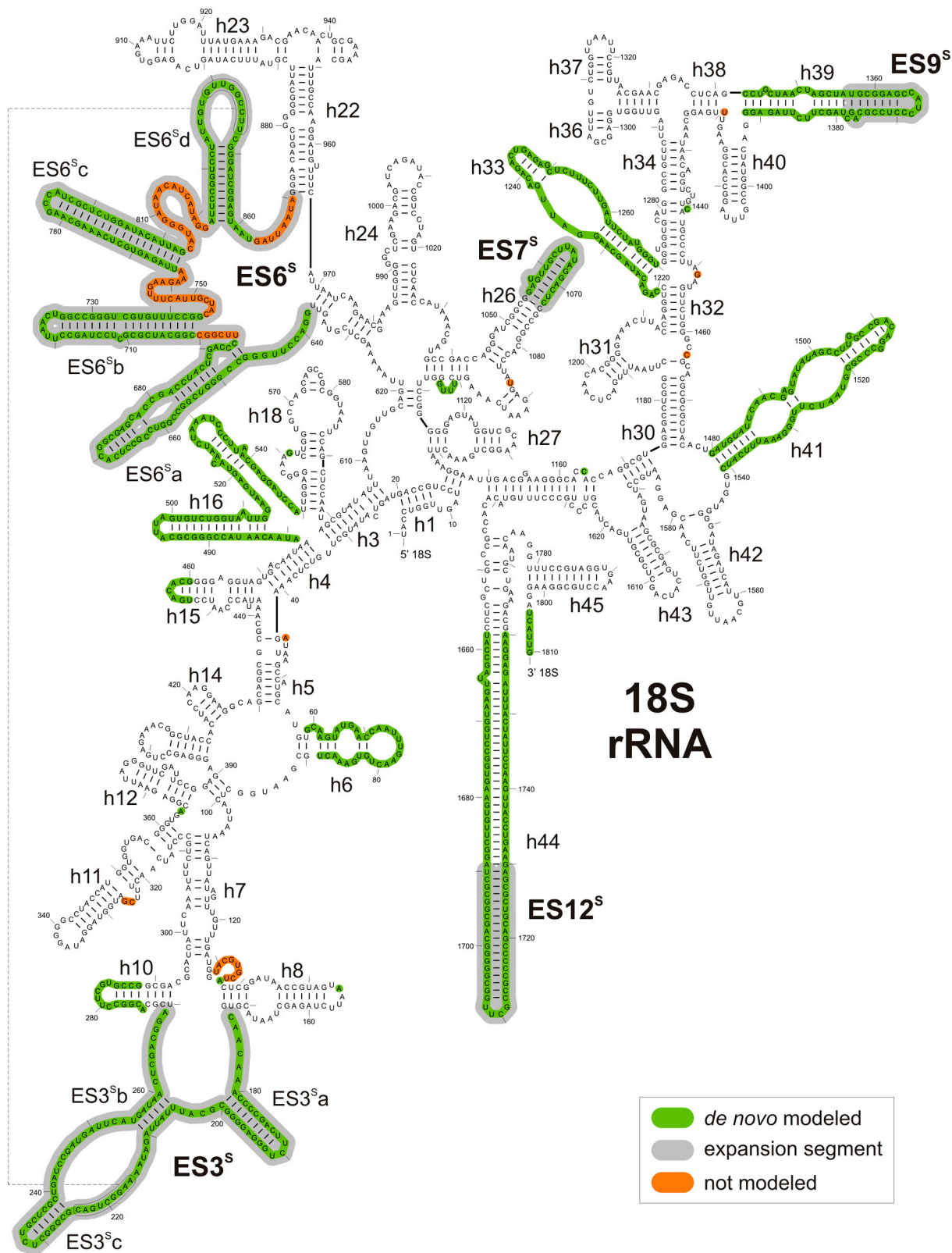


Fig. S2. Secondary structure diagram for the small subunit (18S) rRNA of *Triticum aestivum*, modified from ref. 1. Green regions indicated de novo modeled regions, gray regions are expansion segments, whereas orange nucleotides were not modeled.

¹ Cannone JJ, et al. (2002) The comparative RNA web (CRW) site: An online database of comparative sequence and structure information for ribosomal, intron, and other RNAs. *BMC Bioinformatics* 3:2.

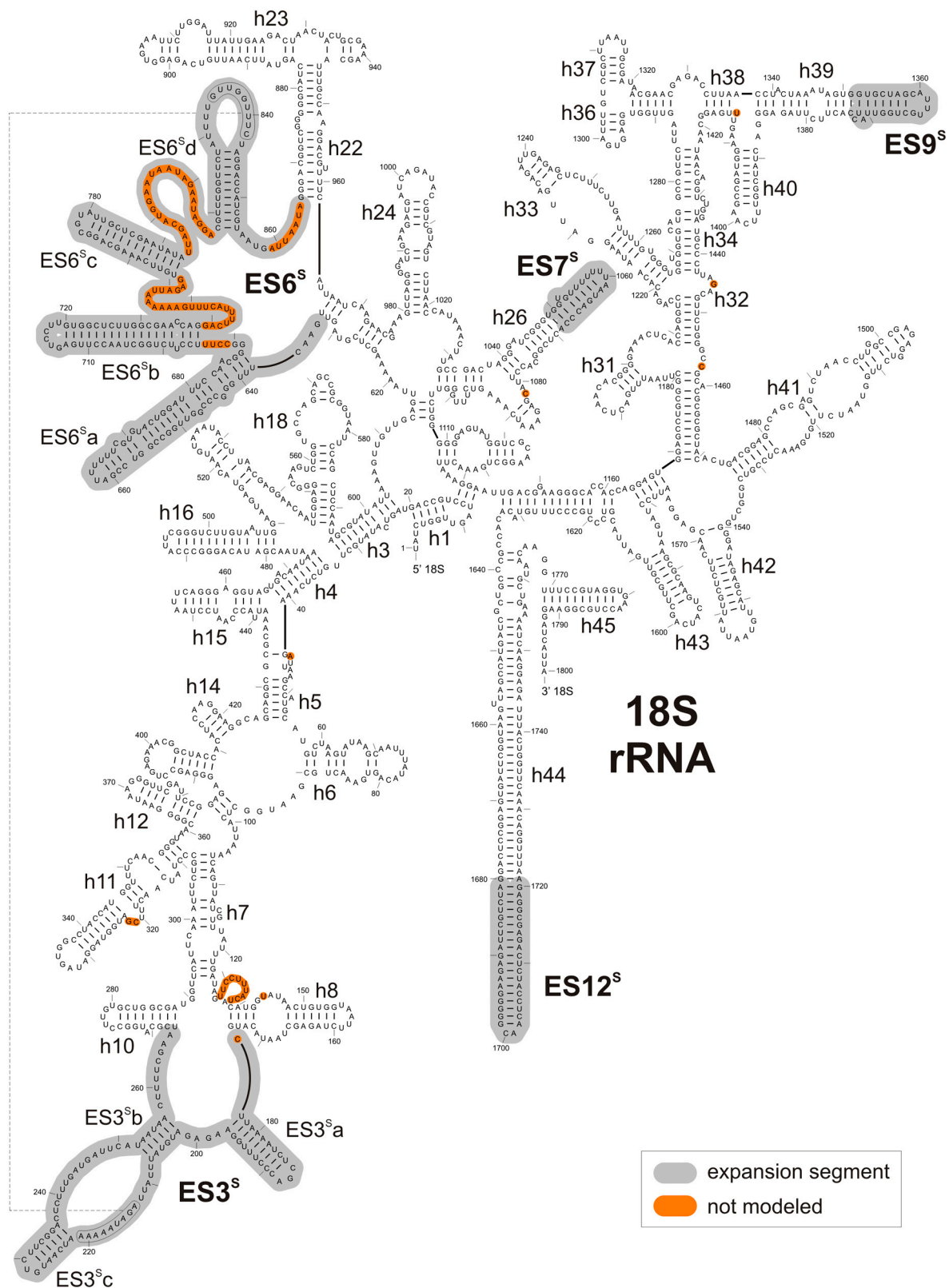


Fig. S3. Secondary structure diagram for the small subunit (18S) rRNA of *Saccharomyces cerevisiae* modified from ref. 1. Gray regions indicate expansion segments, whereas orange nucleotides were not modeled.

1 Cannone JJ, et al. (2002) The comparative RNA web (CRW) site: An online database of comparative sequence and structure information for ribosomal, intron, and other RNAs. *BMC Bioinformatics* 3:2.

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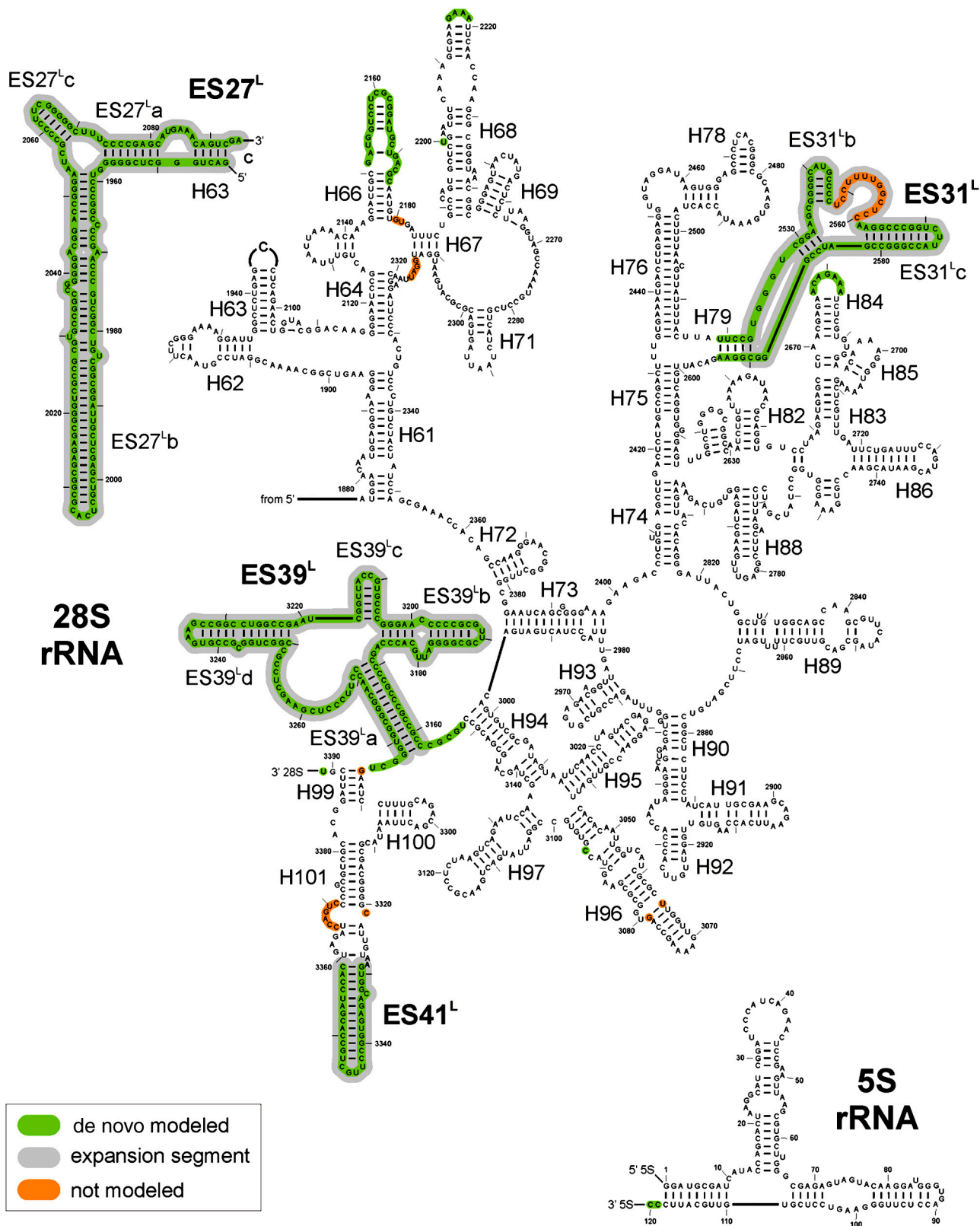


Fig. S5. Secondary structure diagram for the 3' region of the large subunit rRNAs (5S and 28S) of *Triticum aestivum* modified from ref. 1. Green regions indicated de novo modeled regions, gray regions are expansion segments, whereas orange nucleotides were not modeled.

1 Cannone JJ, et al. (2002) The comparative RNA web (CRW) site: An online database of comparative sequence and structure information for ribosomal, intron, and other RNAs. *BMC Bioinformatics* 3:2.

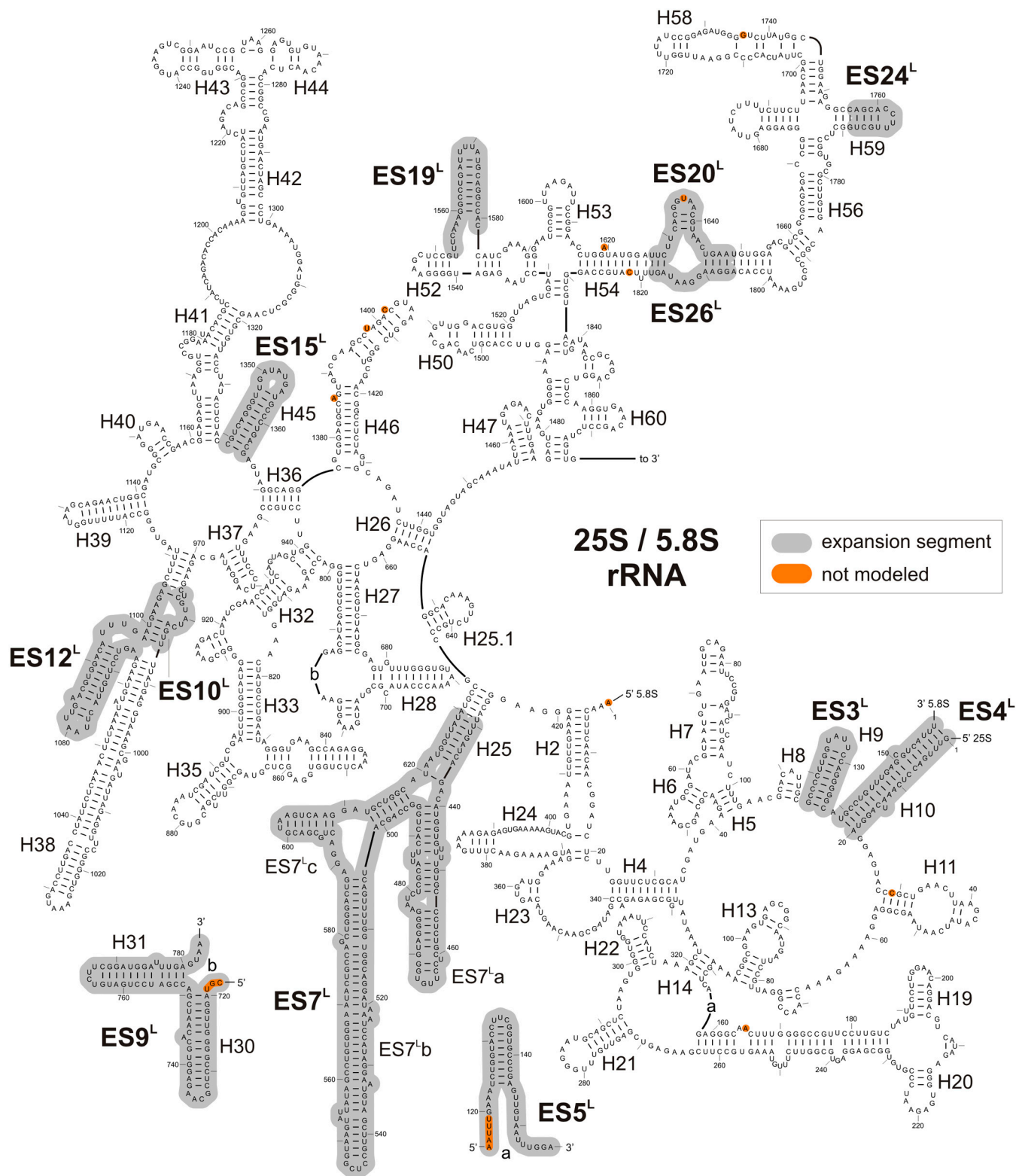


Fig. S6. Secondary structure diagram for the 5' region of the large subunit rRNAs (5.8S and 25S) of *Saccharomyces cerevisiae* modified from ref. 1. Gray regions are expansion segments, whereas orange nucleotides were not modeled.

1 Cannone JJ, et al. (2002) The comparative RNA web (CRW) site: An online database of comparative sequence and structure information for ribosomal, intron, and other RNAs. *BMC Bioinformatics* 3:2.

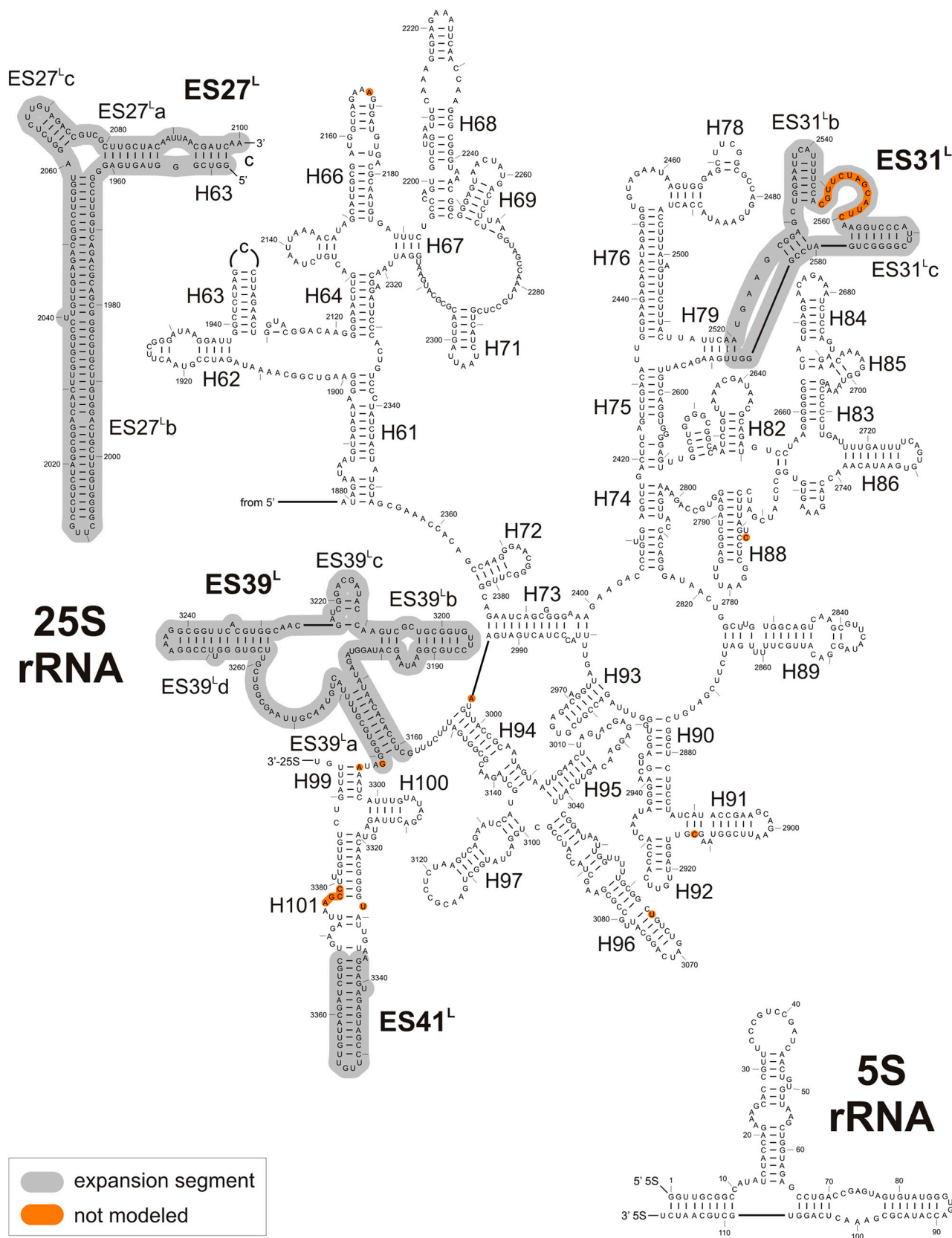


Fig. S7. Secondary structure diagram for the 3' region of the large subunit rRNAs (5S and 25S) of *Saccharomyces cerevisiae* modified from ref. 1. Gray regions are expansion segments, whereas orange nucleotides were not modeled.

1 Cannone JJ, et al. (2002) The comparative RNA web (CRW) site: An online database of comparative sequence and structure information for ribosomal, intron, and other RNAs. *BMC Bioinformatics* 3:2.

