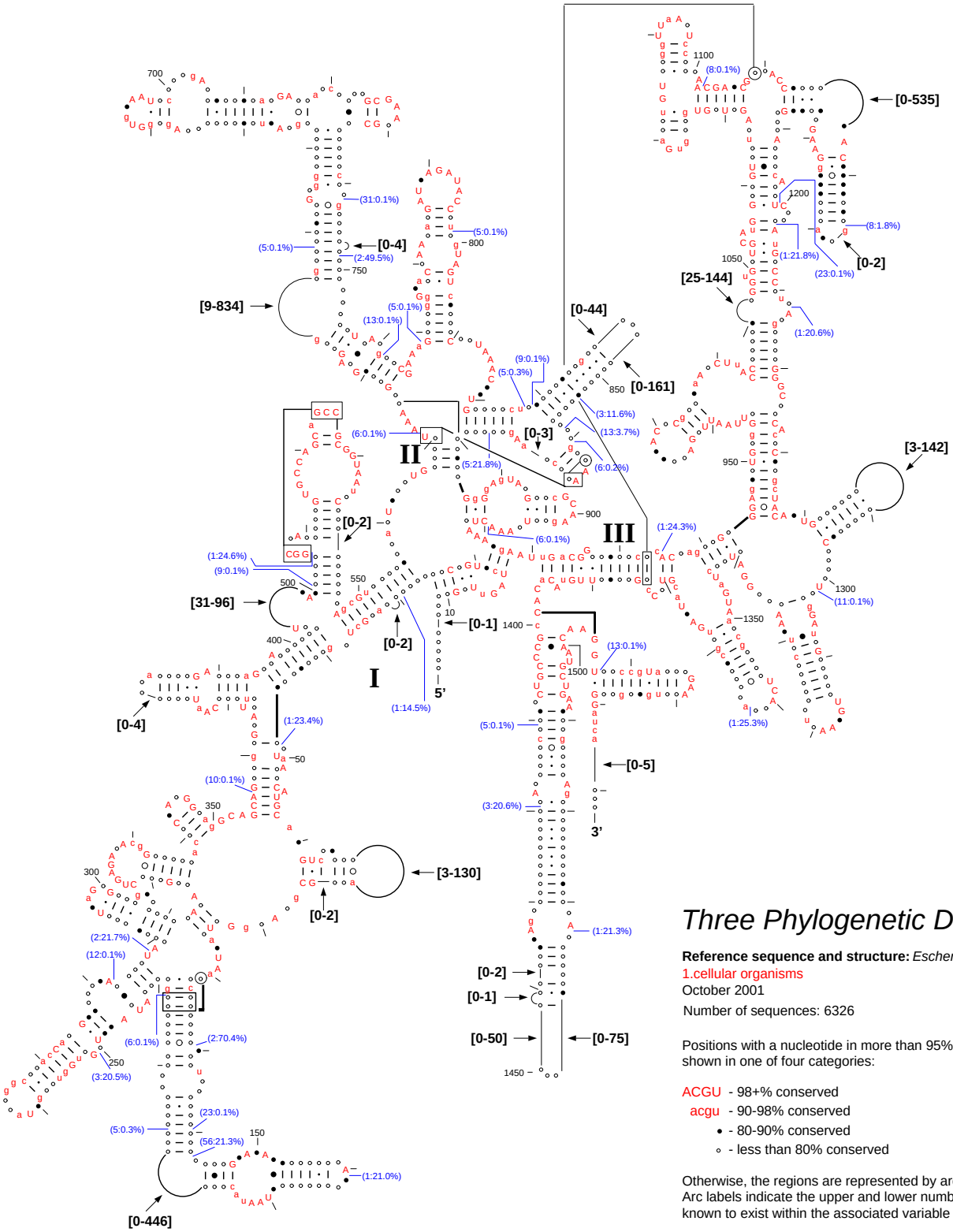
Phylogenetic conservation superimposed onto the *Escherichia coli* Small Subunit rRNA secondary structure



Three Phylogenetic Domains

Reference sequence and structure: *Escherichia coli (J01695)*
1.cellular organisms
October 2001
Number of sequences: 6326

Positions with a nucleotide in more than 95% of the sequences are shown in one of four categories:

ACGU - 98+% conserved
acgu - 90-98% conserved
• - 80-90% conserved
◦ - less than 80% conserved

Otherwise, the regions are represented by arcs.
Arc labels indicate the upper and lower number of nucleotides known to exist within the associated variable region.

Blue tags indicate insertions relative to the reference sequence.
Insertions that appear are:
(1) length 1-4 in more than 10% of sequences
(2) length 5 or greater in at least one sequence
with format:
(Max. Length of Insertion:Percentage of seqs with any length insertion)