

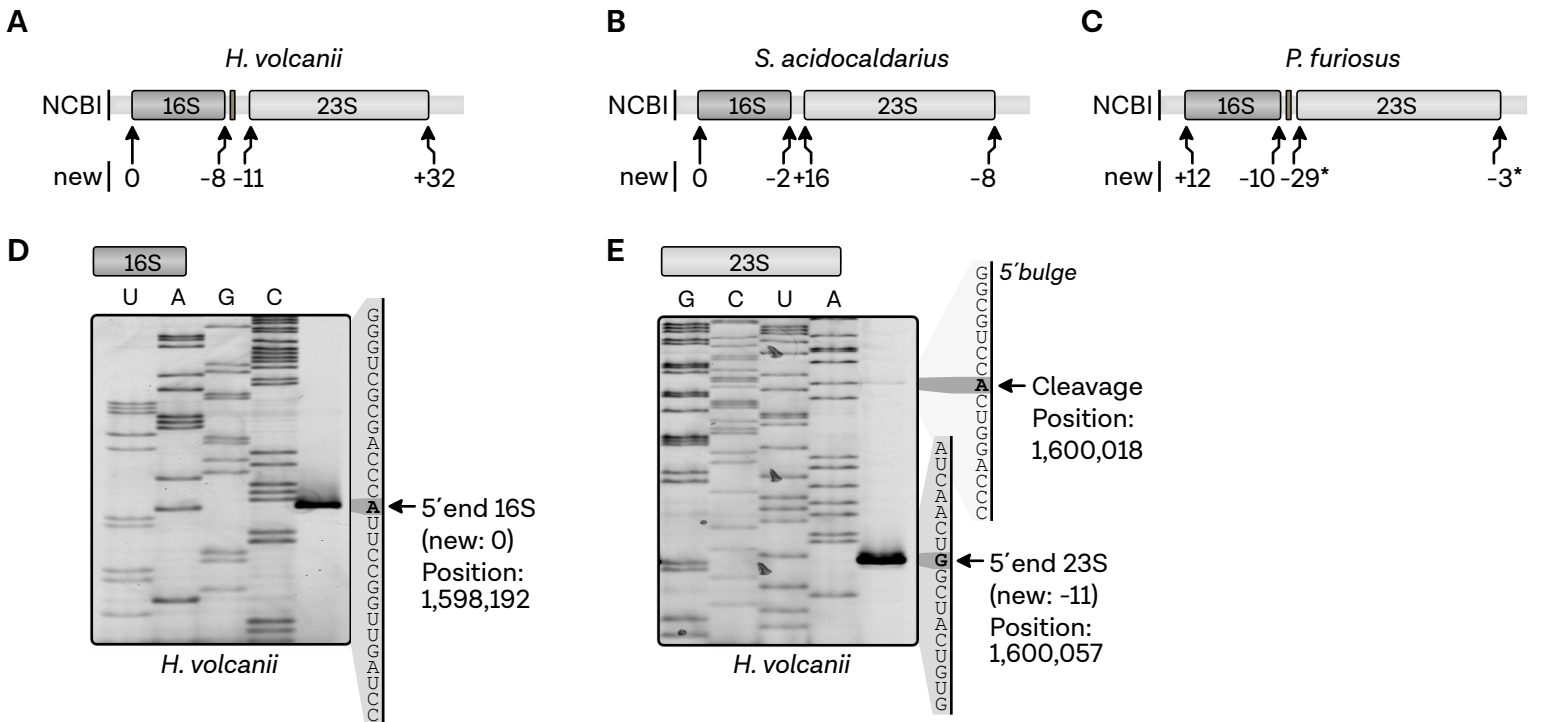


Fig. S5 | Annotation of 5' and 3' ends of mature rRNAs.

A, Updated annotation of mature rRNA boundaries in *H. volcanii*, **B**, *S. acidocaldarius* and **C**, *P. furiosus*. Negative numbers indicate that the new position (labelled as “new”) is upstream of formerly annotated positions in the NCBI database (NCBI), whereas positive ones are downstream. The special case in the 23S rRNA of *Pyrococcus* was marked with an asterisk. **D**, Mapping of mature 16S and **E**, 23S rRNA 5' ends by primer extension. Comparison to a sequencing ladder allows the assignment of the positions of mature 16S rRNA and 23S rRNA and the 5' bulge of the 23S rRNA. Relative new positions and absolute genomic coordinates (reference sequence NC_013967.1) are listed next to the assigned positions (compare Supplementary Table 1).