

Supplementary Figures:

Determination of the Amino Acid Recruitment Order in Early Life by Genome-wide Analysis of Amino Acid Usage Bias

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Supplementary file contains:

Supplementary Figure 1

Supplementary Figure 2

Supplementary Figure 3

Supplementary Figure 4

Supplementary Figure 1

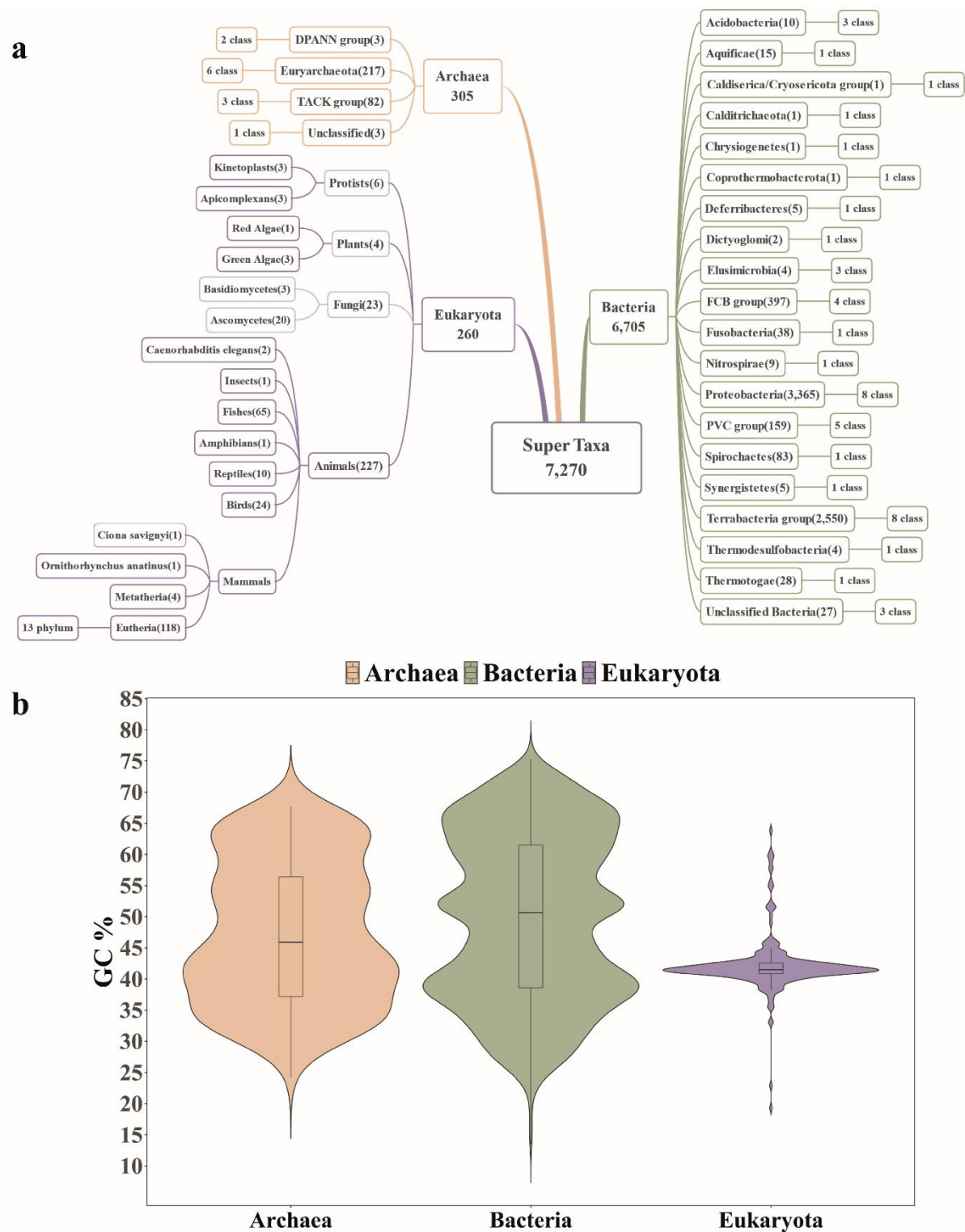


Figure S1. Information on the species in this study. (a) Spezies classification. The number indicates the number of species included in this category. **(b)** Genomic GC content distribution in three domains of life.

Supplementary Figure 2

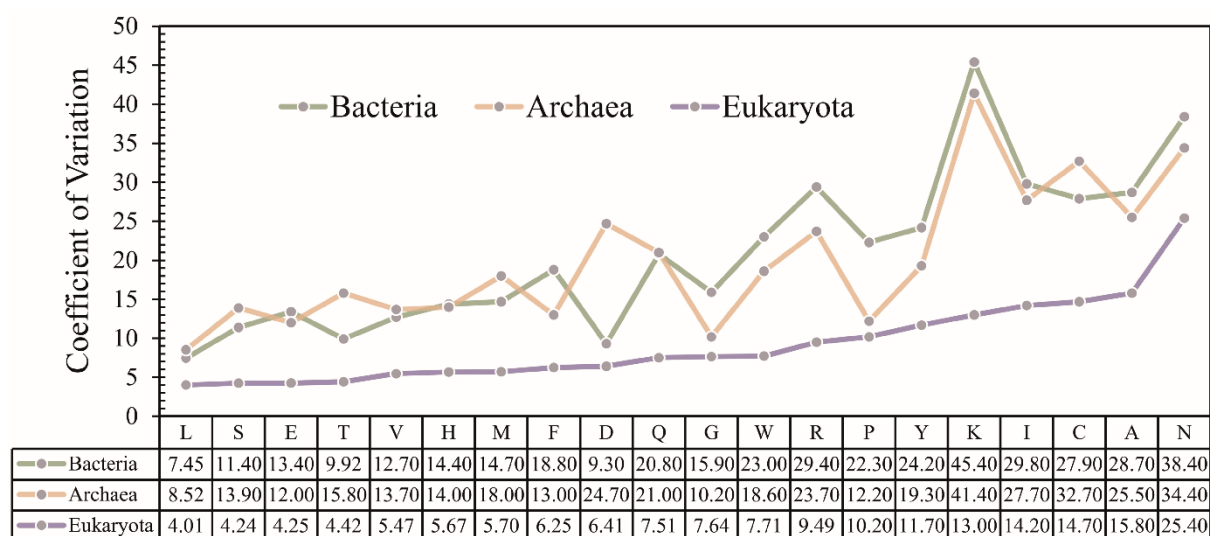


Figure S2. Coefficient of variation of amino acid usage in three domains of life. The coefficient of variation (CV) is a normalized measure of the dispersion degree of the probability distribution, which is defined as the ratio of the standard deviation (SD) to the average value.

Supplementary Figure 3

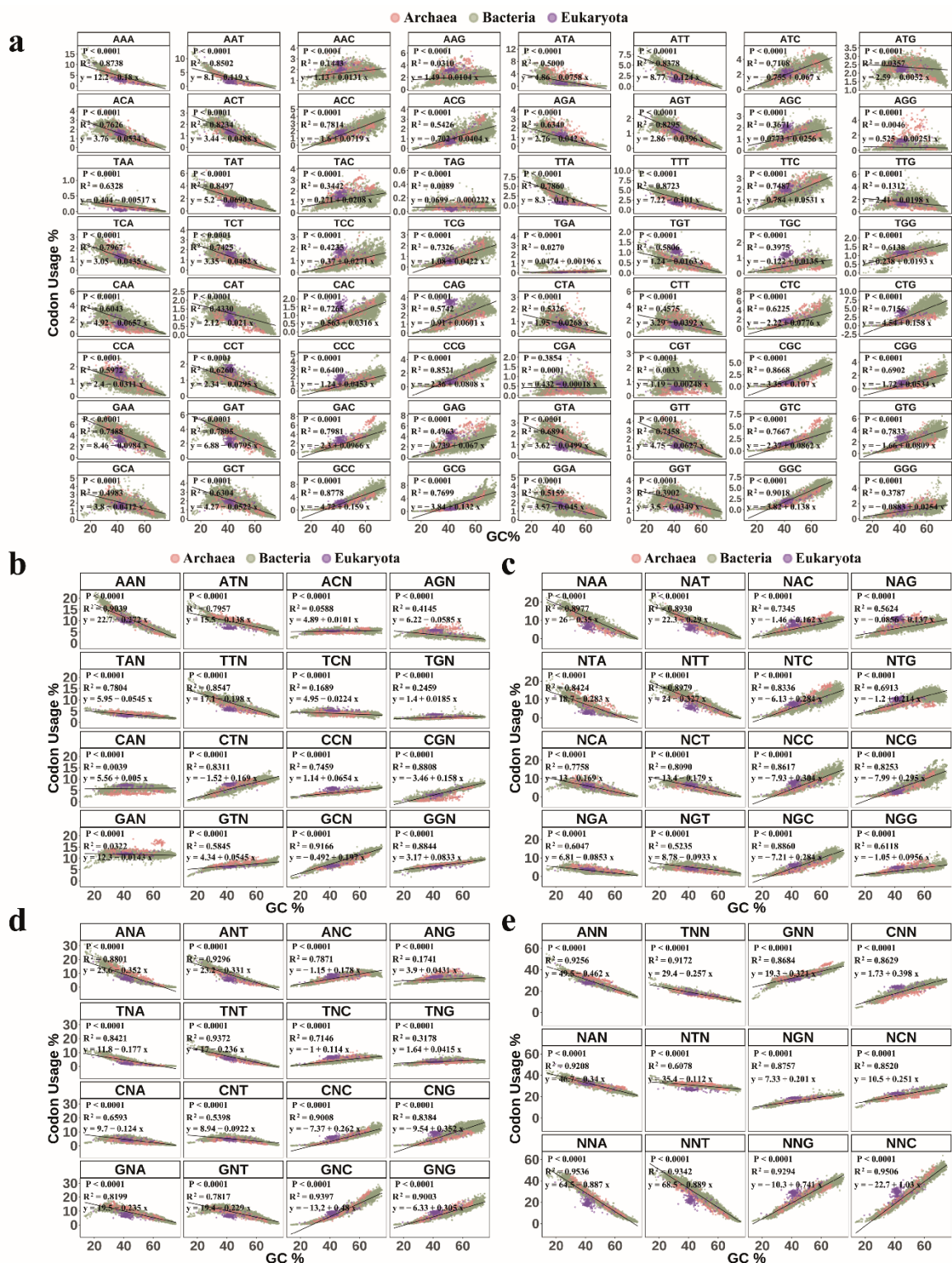


Figure S3. Correlation between the species' GC content and codon usage. (a) 64 codons; (b) codons with the same first two bases; (c) codons with the same last two bases; (d) codons with the same first and third bases; (e) codons with the same one base. The abscissa represents GC content, and the ordinate represents the codon usage (%).

Supplementary Figure 4

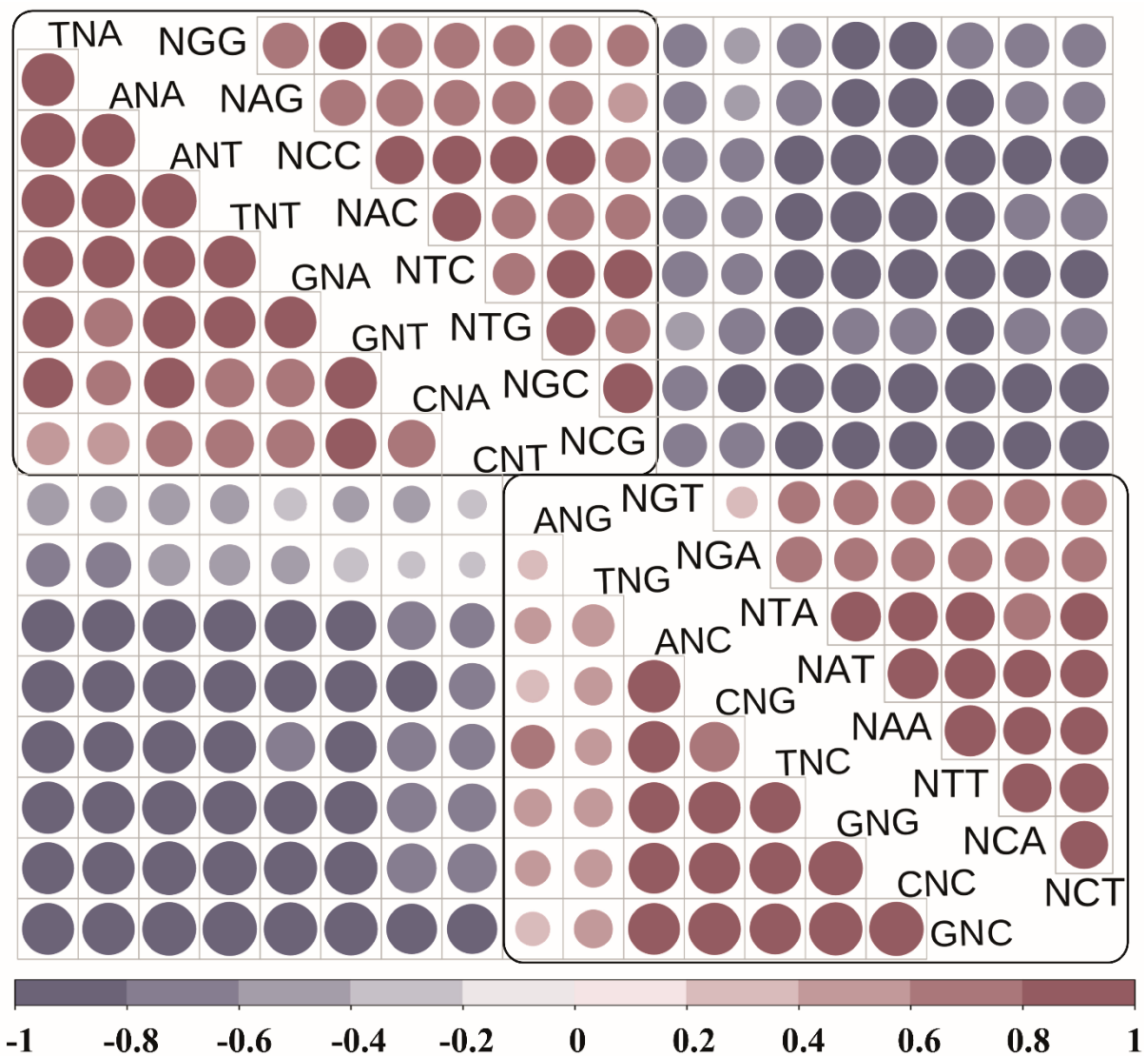


Figure S4. Correlation of codon usage with the same last two bases (lower) and the same first and third bases (upper).