

A circular phylogenetic tree showing the relationships between various *E. coli* strains based on the 16S rDNA gene cluster. The tree is organized into several major clades, each represented by a different color. The legend indicates that the color of the branches corresponds to the number of copies of the 16S rDNA gene cluster: 0 copies (black) and 1 copy (white). The tree is rooted at the top, and the branches radiate outwards, with the tips of the branches representing individual strains. The strains are labeled with their accession numbers and strain identifiers, such as F547, F548, F549, etc. The tree shows a high degree of genetic diversity, with many strains having unique 16S rDNA gene clusters.