

The figure displays the secondary structure of the rRNA gene from *Babesia microti*. The structure is a complex RNA fold with numerous stems, loops, and bulges. Key features include:

- Stems:** Represented by horizontal or vertical lines connecting complementary bases.
- Loops:** Unpaired regions of the RNA sequence, often containing specific motifs.
- Bulges:** Regions where one strand of a stem has unpaired nucleotides.
- 5' and 3' ends:** Labeled at the bottom right of the structure.
- Sequence:** The primary sequence of the rRNA gene is shown as a string of letters (A, U, G, C) along the top and sides of the structure.
- Annotations:**
 - "*Babesia microti*" and "(AB032434)" are written in black text.
 - A red box highlights the "cellular organisms" category.
 - A red box highlights the "Eukaryota" category.
 - A red box highlights the "Alveolata" category.
 - A red box highlights the "Apicomplexa" category.
 - A red box highlights the "Piroplasmida" category.
 - A red box highlights the "Babesiidae" family.
 - A red box highlights the "Babesia" genus.
 - A red box highlights the date "May 2004".

(AB032434)

1. cellular organisms 2. Eukaryota

3.Alveolata 4.Apicomplexa 5.Piroplasmida

6. Babesiidae 7. Babesia

May 2004