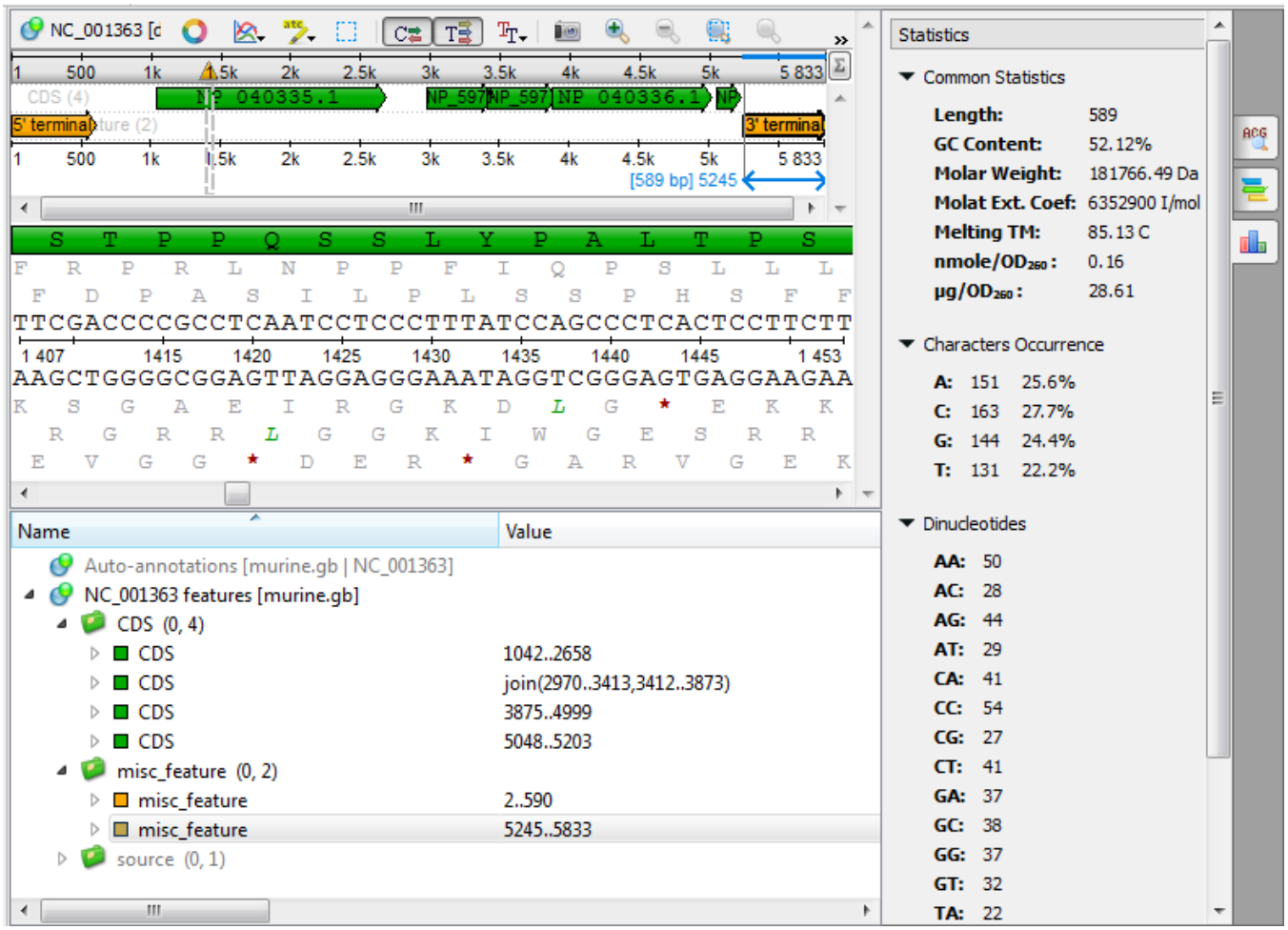
Information about Sequence

Context information about a sequence can be found on the *Statistics* tab in the *Options Panel*. All information is contextual, i.e. it shows statistics about the currently selected region (on the selected sequence). The tab includes information about:

- Common statistics
  - Length - number of bases in the analyzed sequence
  - GC content - the molar percentage of guanine and cytosine bases in an oligonucleotide sequence
  - Molar weight - is the sum of the atomic masses of the constituent atoms for 1 mole of oligonucleotide
  - Molar ext. coefficient - the molar extinction coefficient is a physical constant that is unique for each sequence and describes the amount of absorbance at 260nm (A_{260}) of 1 mole/L DNA solution measured in 1 cm path-length cuvette
  - Melting TM - melting temperature is the temperature at which an oligonucleotide duplex is 50% in single-stranded form and 50% in double-stranded form
  - nmole/OD_{260} - the amount of oligonucleotide in nanomoles that, when dissolved in 1 mL volume, results in 1 unit of absorbance at 260 nm with a standard 1 cm path-length cuvette
  - g/OD_{260} - the amount of oligonucleotide in micrograms that, when dissolved in 1 mL volume, results in 1 unit of absorbance at 260 nm with a standard 1 cm path-length cuvette
- Characters occurrence
- Dinucleotides occurrence (for sequences with the standard DNA and RNA alphabets)



To copy the statistical information about a sequence select it on the *Options Panel* and choose the copy item in the context menu, or use the Ctrl+C shortcut.