

The chart displays the mutational spectrum of the 1000 Genomes dataset, showing the frequency of various dinucleotide contexts. The y-axis represents the 'Mutational spectrum' (ranging from 0.00 to 0.08), and the x-axis lists the 96 possible dinucleotide contexts (e.g., AA-AA, AA-AG, ..., GG-GG). The chart shows a high frequency of C-to-T transitions (red bars) in the context of a preceding C (CC-CA, CC-CG, CC-CT, CC-CG), and a high frequency of G-to-A transitions (blue bars) in the context of a preceding G (GG-GA, GG-GC, GG-GT, GG-GA).

The chart displays the mutational spectrum for 1000 different 10bp DNA motifs. The Y-axis represents the 'Mutational Spectrum' from 0.00 to 0.12. The X-axis lists the motifs, color-coded by GC content: red (0.25), yellow (0.40), green (0.55), and blue (0.70). The spectrum shows a prominent peak in the blue (GC-rich) motifs, reaching a value of 0.12. Other smaller peaks are visible in the red and yellow motifs.