

Assessment proposed by the supervisor: Successful defense

Assessment proposed by the reviewer: Successful defense

Course of the defence:

Questions:

1. How often poly-Gs and poly-Cs happen in the genome compared to poly-As and poly-Ts?
2. Can you explain more about the uniform distribution of STRs among all zone?
3. Can the enrichment of STRs be affected by the location of hotspots on the chromosome and in the genome?
4. What are quadrupoles and how can they be formed?
5. How can methylation affect the formation of quadrupoles?
6. In human genome, regions with more GC content are associated with higher recombination rates. We also know that recombination is concentrated in genomic regions known as recombination hotspots. Can this explain the higher density of repeats rich in G and C in hotspots in your analysis?
7. The GC content in Human's genome is ~40%. How can this explain the higher density of A and T rich repeats compared to G and C enriched repeats?
8. Why did you choose these motifs for the data analysis in your thesis?
9. What aspects/issues should be considered while analyzing the enrichment of quadruples in your thesis?

Score:

Assessment:Excellent.....

Date of defence: 27.11.2020



.....
committee chairman