

Comparison of Flavivirus Using Datamining- Apriori, K-means, and Decision Tree Algorithm

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Abstract— Nowadays, zika virus infection-occurred in brazil-is becoming serious global problem. Temporary treatments-using drug-can alleviate symptoms for a while but cannot be a basic solution for infections. We researched amino acids of Zika virus and other four kinds of flaviviruses-Dengue fever, Yellow fever, Saint Louis, Japanese Encephalitis-with bioinformatic experiment; Apriori, K-means and Decision Tree algorithm. Results show differences and common things among them-Japanese Encephalitis has most representative amino acid.

Keyword— zika virus and flavivirus, genetic treatment, apriori, k-means, decision tree algorithm



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