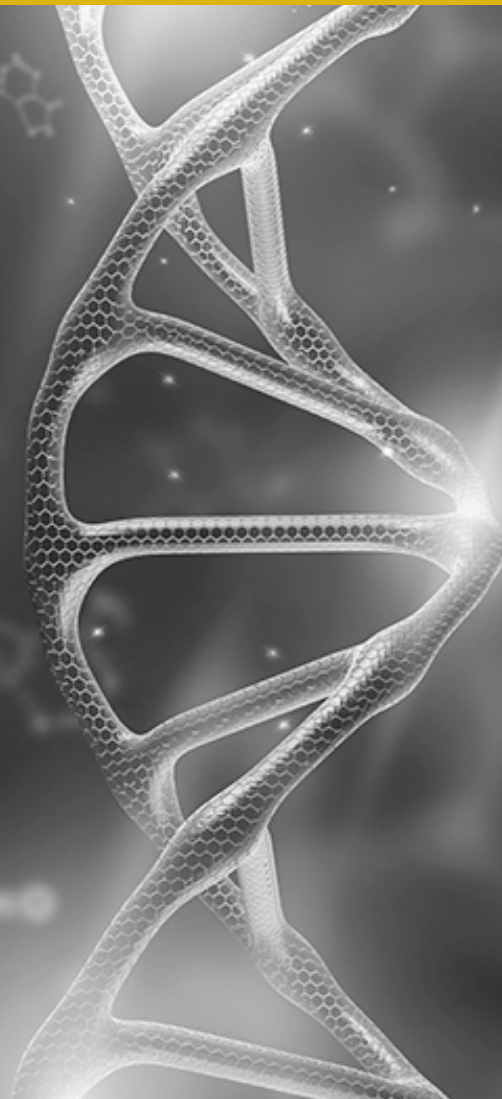

GENETIC ANALYSIS



Service: Cloud

OVERVIEW

The customer is an USA based pioneering research-driven biotechnology company, that has continued to conduct R&D internally as well as through collaborations for more than 40 years.

CHALLENGES

Client was in a requirement of



interactive gene mutation viewer with comparative analysis of normal cell and apoptotic cells.



A dashboard view of genome analysis and report generation



After the comparative study, the report needs to indicate/ predict the suspected gene

SOLUTION

- 1 ACL has been chosen to develop a web based interactive mutation viewer with deep genetic sequencing and project management systems used in targeted cancer therapy drugs
- 2 High performance data Visualization for Mutation & genomic data set
- 3 Genome Visualization including Gene prediction, DNA structure, Genomic expression, variation and comparative analysis with normal cell and Cancerous cell.
- 4 Cloud/Mobile enabled centralized delivery of genome analysis portal to support high performance, usability and scalability



OUTCOMES

- Helped Scientists understand various gene mutations through rigorous research and combating deadly diseases by invention of new drugs
- Deep genetic sequencing portals, project management systems used in developing targeted cancer therapy drugs
- Provide better care at reduced cost and improving lives of the people, through safe and effective drugs



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