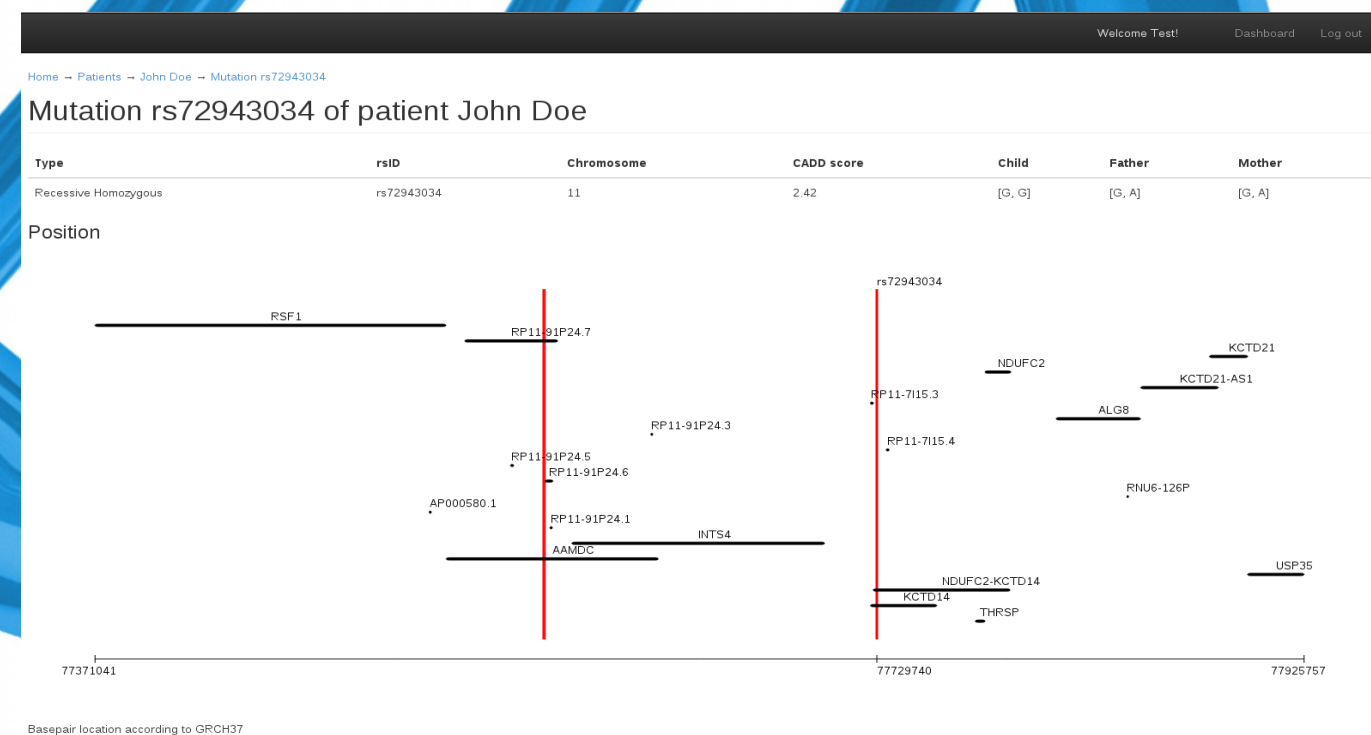
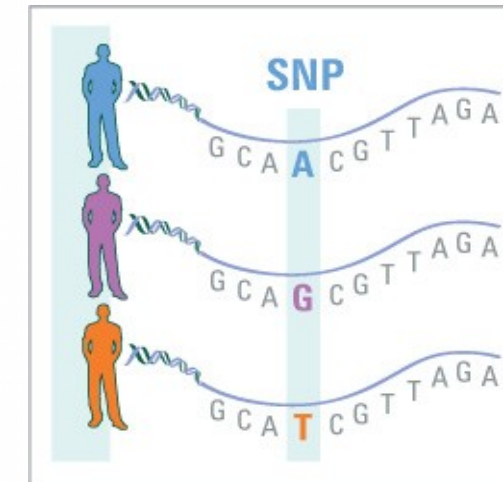


GEVATT

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The problem

In our world a lot of people suffer from diseases, these can be caused by genetic mutations. GEVATT (**GE**netic **V**ariations **A**nalyzer **T**hrough **T**riodata) is a webapplication which tries to find those mutations to help doctors cure diseases. Our focus is on triodata from the patient and his parents.



Visualizations

The focus of our application is visualizing mutations. This helps doctors to easily identify the mutation(s) that could cause the disease of the patient.

Tons of data

A human has about **3,000,000,000** base-pairs and around **3,000,000** small mutations. This application finds the most relevant mutations and visualizes each of them. Furthermore we retrieve information from databases which contain all information about genes, proteins and mutations. These databases add up to more than **3TB** of data!

