

Microbiome Sequencing

Gut/Oral/Skin/Vaginal/Nasal Microbiome analysis including 16S rRNA data generation and analysis to enable the impact of Microbiome on the disease outcome and provide a holistic personalized treatment to the patient.

These services are targeted at those end users who have already availed WGS/WES and Gene Expression analysis, but still the treatment is not fully personalised, and the Physician may need more genetic information to make the treatment more effective. A typical case study involves Colorectal cancer wherein the population of a pathogenic bacterium in the gut can provide valuable clues for a better treatment. Similarly, for Cervical Cancer, Skin cancer, Oral cancer etc... Skin microbiome analysis may prove valuable in Skincare and fairness management clinics.

Accuracy of Genetic variant annotations: >70%

Data output: 500Mb

Data visualization: Customized Cloud based Interactive Knowledgebase accessible through Internet on Smart phone/PC/Tablet

Report: Custom report (PDF format) generation as required by Genetic consultant/Physician for a specific medical condition or wellness management.

Whole Microbiome Sequencing and Data analysis will be carried out to get a snapshot of the Microbiome population in the targeted area. Microbiome samples collected over a period of time during treatment are known to provide vital clues to doctors to fine tune their personalized and precision treatment of patients. This Microbiome data will also be available on the same ClinGen Kb at no additional cost. Data will be analysed on Supercomputer with highly compute intensive algorithms in automated workflows to avoid any human errors and for faster Turn Around Time. Results to be available in a customised and dynamic knowledgebase hosted in the Cloud. Custom PDF reports can be generated for any set of genes or medical conditions as and when required.

