

Applying Genomics in Agriculture

Hands on workshop series #4 (Jan 4th & 5th, 2019)

Metagenome Analysis

- Metagenome is the study of the organisms present in any environmental samples.
- To gain the knowledge of different organisms involved in different environmental samples for atmospheric balances is the main application of Metagenomics studies.

Registration:

Email with Name, Position, Organization, Phone # to keya.m@qtlomics.com

Genomic DNA from samples i.e. milk, curd, soil, etc.

Library preparation

Nanopore sequencing

Identify the presence of all the organisms present in the sample

Bacterial 16S WGS or 1.5kb amplicon sequencing

Library preparation

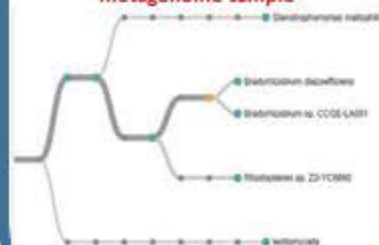
Nanopore sequencing

Genomics services by Nanopore and other NGS technologies can be availed from QTLomics*

Day 1 Jan 4th

9:00 AM	Registration
9:30 AM	Introduction
10:00 AM	Library preparation
1:00 PM	Lunch
1:30 PM	Sequencer run starts
3:00 PM	Tea and Discussion
5:00 PM	Sequencing Run statistics

What's in my pot for metagenome sequencing provides an idea of the organisms present in each metagenome sample



Identification of contaminants present in each sample



Day 2: Jan 5th

9:00 AM	Stop Run & raw data QC
10:00 AM	Data Analysis and discussion
1:00 PM	Lunch
2:00 PM	Q&A

Registration fees:

INR. 7500 (+GST)/participant. Pay by cash/bank transfer. Sequence your sample : INR. 19000 (+GST). Avail early bird registration concession of INR 500 (Before 22nd December, 2018)

This workshop is specially organised for SEED companies, agro-biotech & food companies and Agriculture and horticulture institutions