

UNIGENOME QUERY FORM

SNP_Genotyping

Date of receiving:

Date of completion:

Query no.:

Client Details:

Client Name: Organisation:

e.mail: Contact No.:

Address:

Project Details:

Sample Source: Human Plant Animal

Scientific Name: Number of samples:

Details of sample treatment and brief experimental plan:

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Type of Sample: Tissue DNA

Application: Genotyping by Sequencing (RAD Technology) / GBS Genome Wide SNP genotyping

Genome Information: Genome Available Genome Size (Specify)

Technology:

RAD Technology / GBS on HiSeq 2000:

Restriction Enzyme

- *ApeK I* or
- *Pst I* or
- *Not I* or
- *Sbf I* or
- *BamH I*

Other please specify:.....

Data type

- Paired-end
- Single-end

Data

- 1 million read tags per sample
- 2 million read tags per sample
- 3 million read tags per sample
- Other please specify :

iScan: Ready Bead Chips

- Maize SNP50 Bead chip
- Tomato SNP
- Potato SNP
- Bovine HD SNP50 Bead Chip
- Bovine HD 777 Bead chip
- HumanOmni2.5-8 SNP Assay
- HumanOmni5Exome Assay
- Human Cardio-Metabo DNA Analysis

Custom SNP Assay:

- Golden gate assay on iScan
- Infinium assay on iScan
- iPLEX assay on Sequenom MassARRAY
- SNP details (rsID)
- Sequence information(fasta format)
- No of SNPs

Note: rsID details & sequence information to be submitted in doc/excel/txt file.

Bioinformatics deliverables:

SNP Genotyping

Raw data files SNP's list in CSV format

Advanced services: (optional on additional payment)

Cluster analysis Linkage disequilibrium/analysis Association study Minor allele frequency calculation

Genotyping by sequencing (RAD technology)/GBS: (parent & progeny data)

- List of identified loci and SNPs in excel sheet List of haplotypes in excel sheet LD information
- Marker quality statistics Construction of linkage map Population haplotype frequencies

Following criteria to assess the quality of RAD markers for Genetic linkage map construction will be provided:

- Total number of loci detected The percentage of polymorphic loci
- Segregation distortion between maps in equivalent position

For any specific analysis, kindly mention below:

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Estimated budget:

Remarks:

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