



राष्ट्रीय पादप जीनोम अनुसंधान संस्थान

(जैव प्रौद्योगिकी विभाग, विज्ञान एवं प्रौद्योगिकी मंत्रालय, भारत सरकार का स्वायत्त अनुसंधान संस्थान)

NATIONAL INSTITUTE OF PLANT GENOME RESEARCH

(An Autonomous Institution of the Department of Biotechnology, Ministry of Science and Technology, Government of India)

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9/2014/NIPGR/S&P

December 3, 2013

Sub: Invitation of Sealed Quotation

Sir,

We are interested in **Outsourcing of RNA-Seq Analysis of a Mixed Transcriptome of Rice and Fungus Interaction** as per the following specifications for our Institute.

- Extraction of RNA from three varieties of plant leaf tissue at two stages of infection
- Library preparation and QC should be provided for six samples (three varieties of fungal infected plant tissues at two stages of infections; total six lanes) and one pooled fungal sample on one single lane.
- Sequencing has to be done on Illumina GAIIx (100bp paired-end)
- At least 40 million reads per tissue sample, high quality filtered clean data (80% bases should have >Q30)
- Bioinformatics analysis requirements:-
 - Origin of transcripts in a mixed pool; specifying the fungal and plant transcripts
 - Differently regulated genes and their classification based on gene ontology
 - Expression dynamics of differentially regulated rice and fungal genes during different stages of infection on different varieties
 - Expression dynamics of some select gene family during different stages of infections on different plants
 - Bioinformatics and post-analysis, which should not be limited to the above mentioned descriptions, some of the requirement may change depending upon the initial leads; bioinformatics support is required until manuscript preparation and even to satisfy the reviewer's comment, if any.
 - Bioinformatics data analysis has to be performed by a qualified professional who has a PhD and more than 10 years of experience in related field. He/she should have publications in the similar research areas for reference
 - Design of analysis has to be provided/presented along with this tender
 - Analysis and detailed results has to be presented to respective scientific group onsite

You are therefore requested to please send your offer along with a copy of PAN & Tin no. certificate and maximum discount that you will be able to offer in a **Sealed Envelope** duly super-scribed on top of envelope as "**Quotation for Outsourcing of RNA-Seq Analysis of a Mixed Transcriptome of Rice and Fungus Interaction**" so as to reach to the undersigned latest by **23/12/2013 (3:00 p.m.)**, the same shall be opened on **24/12/2013 (11:00 a.m.)**.

Thanking you,

(Purchase cum Stores Officer)