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MedGenome Offers State-of-the-Art Genomics Services to Academic Research Institutions

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Enabling Deeper Insights Into the Genetics Human DiseasesÂ

Genomics has been instrumental in basic disease mechanism research, and has helped to identify the causes of several diseases. Although single gene sequencing and cloning techniques have resulted in the identification of the genetic causes for several diseases, a number of rare as well as familial diseases cannot be fully understood with these techniques alone. Recent developments in Next Generation Sequencing (NGS) technologies are rapidly changing the scope of genetics, genomics and medicine. The application of NGS platforms to selected regions of the human genome would be of great interest to the research community.

(Logo: http://photos.prnewswire.com/prnh/20160112 /784044)

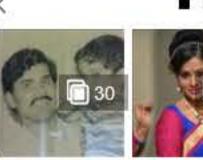
The exome (the protein-coding region of the human genome) represents less than 2% of the genetic code, but contains ~85% of known disease-related variants. Exome sequencing can efficiently identify coding variants across a wide range of applications, including population genetics, genetic disease, and cancer studies.

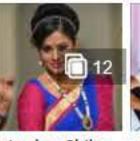
Exome sequencing utilizes parallel nucleotide sequencing to identify all of the protein-coding variants in the genome. By limiting the sequencing to the protein-coding sequences, only about 5% of the human genome is sequenced. Aided by the growing public databases of genetic variants, exome sequencing enables identification of genetic mutations and risk factors in samples that were deemed insufficiently informative for previous genetic studies. It is a cost-effective approach when whole-genome sequencing is not necessary. Sequencing only the coding regions of the genome allows pointed focus on the genes most likely to affect phenotype, and facilitates quicker turnaround time and lower price.

Targeted exome sequencing has helped identify a variety of rare diseases in a number of patients who were referred to MedGenome. With its high-throughput state-of-the-art laboratory and latest NGS platforms (Illumina HiSeq 4000 & 2500), MedGenome provides end-to-end NGS services for all DNA and RNA applications to researchers in a time-bound and cost-effective manner, without compromising the quality of project deliverables. It is also an experienced microarray service provider, leveraging Illumina, Affymetrix and Fluidigm microarray technologies for myriad applications, including services for whole genome and custom genotyping, gene expression, methylation, exome, cytogenetics and pharmacogenomics. Processing of samples on best-in-class informed combined technical instruments with the bioinformatics expertise guarantees quality outcome to sequencing

and array projects.

MOSTVIEWED GALLERIES







 Chandrababu Rare Unseen

in

 Anchor Shilpa Chakravarthy

 Chal Chal Gurram Movie







 EEdo rakam AAdo rakam

Unseen Stills

 Madha Gaja Raja Movie

NOT TO BE MISSED

- INSIDE STORY: Mega Fans divided ahead of Sarainodu Release
- కేసీఆర్ కి బాలయ్య ఆహ్వానం...
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- INSIDE STORY: Run-Time issues for Sarainodu?
- 'Sarrainodu' Premiere show in USA -Live feeds and Updates
- INSIDE STORY: Flop director makes fun of Nagarjuna?
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- HOT :: Samantha's 'Oops' moments On and Off Screen
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MOST POPULAR

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INSIDE STORY: Junior targets 100 Crore

Young Tiger NTR is shooting non-stop for his Janatha Garage. The movie is being readied for August 12th release as



Inside Story :: Trisha stepping into shoes of **B-Grade actress**

Few days back we reported how Shruti haasan is desperate for attention and



Piracy at its Peak :: 'Sarrainodu' scenes Leaked!

'Sarrainodu' is all set for a sensational release on April 22nd. The expectations of the movie is increasing each day and



Who is best among NTR, Cherry and Bunny?

Any heroine will easily roll out names of many heroes if asked about favourite



Modi Suffocating Babu Will

hero. However heroines will face difficulty

The BJP unit of Andhra Pradesh has been harbouring ambitions of disassociation with TDP and emerging

Backfire?



Shocking :: Running time of 'Sarrainodu' brings 'Sardaar Gabbar Singh' memories!

Running time of 'Sarrainodu' is locked and this has shell shocked fans. The