SmartGene

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SmartGene announces Advanced Sequence Analysis Platform for NGS

November 11, 2016: Zug, Switzerland – SmartGene announces the release of version 5.3 of its **Advanced Sequence Analysis Platform** for Next Generation Sequencing (NGS). SmartGene currently has NGS applications available for HIV, Microbiome 16S, and HCV. SmartGene's NGS offerings began with the HIV pipeline which has now successfully obtained CE-IVD (In Vitro Diagnostics) labeling.

SmartGene takes an application-specific approach when developing its bioinformatics services. The NGS analysis pipelines of SmartGene consider the biological specifics of a target, addressing issues such as yields, repetitive elements, poor sequencing, and insertions and deletions. Included in this release is the ability to download and visualize sequence alignments before and after the cleaning process. This is an invaluable capability to resolve questions, investigate surprising results, and for validation procedures. The pipeline handles data from multiple NGS instruments currently on the market. As in the past, SmartGene intends to give its customers the ability to select the technology which is most suitable to their needs.

From the raw sequence data, to the results, to the report, the SmartGene NGS offering is an integrated solution: all tools are Web-based and thus a portable work-space. SmartGene applications offer configurability and an audit trail. Samples and raw data can be archived and therefore enable reinterpretations on previously aligned files in a matter of seconds. Constant updates to reference datasets and interpretive algorithms keep SmartGene's customers in step with evolving science and improve the accuracy of sequence interpretations.

Please contact us for further details or for a demonstration of our services.

About SmartGene
SmartGene GmbH is a privately-held company based in Zug, Switzerland with subsidiaries in Lausanne, Switzerland and Raleigh, North Carolina. SmartGene provides Web-based suites of functionality worldwide to facilitate gene, sequence-based analysis for a variety of clinical, medical research, and veterinary applications. SmartGene's modules address Bacteria, Fungi, HIV, HCV, HSV, MLST, Influenza, and HLA typing. Discover more at ***www.smartgene.com***.