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FOR IMMEDIATE RELEASE

Enhanced version of NextGENe® software for 2nd generation sequence analysis just released

December 18, 2009, State College PA SoftGenetics announced the availability of an enhanced version of its NextGENe software for the analysis of data produced by major next generation sequencing systems such as the Life Technologies SOLiD system, Illumina GA and Roche GS. The new version incorporates several novel enhancements to significantly improve analysis results of 2nd generation sequencing applications.

“The significant additions to NextGENe software” states Kevin LeVan Next GENE Product Manager, includes the ability of the software, through its patent applied for Condensation Tool to merge short paired end reads from the Illumina and SOLiD System platforms into contiguous reads of up to 300 or more bp approaching 99.0 % accuracy of Sanger Sequencing. This alone is a most valuable tool to dramatically increase the accuracy of Next Gen sequencing in applications such as resequencing, and structural variant detection.”

“Improved mapping is now possible with NextGENe’s DualRef™ system that utilizes both normal and mutated references to be utilized in the alignment process. NextGENe’s DualRef simultaneously maps 2nd Gen Sequences against both references dramatically improving alignment accuracy and hence resequencing results. Users of the SOLiD system will especially benefit from this enhancement where one SNP corresponds to a two color change.”

“Other additions to NextGENe include the ability to import a BED file for targeted capture studies of expression or SNP detection. Several additional report filters including the ability to hide reported variations and for large genomes the ability to remove ambiguously mapped reads. These additions “continued LeVan”, on top of our basic core technology, are the results of close collaboration with leading researchers.”

The company offers 30-day trials and no cost web-based training on its genetic analysis software packages. Interested parties may request the software on the company website: www.softgenetics.com or via email: info@softgenetics.com.

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SoftGenetics, LLC specializes in the development of genetic analysis tools for both research and diagnostic applications. Hallmarks of SoftGenetics software tools are advanced technologies, providing exceptional accuracy, and sensitivity in an easy-to use Windows® user interface.

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