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**FOR IMMEDIATE RELEASE**

**Barcode Tool Now Available in NextGENe™ software for  
2<sup>nd</sup> Generation Sequencing Systems**

**April 2, 2009, State College PA** SoftGenetics announces the addition of a Barcode tool to its leading 2<sup>nd</sup> Generation Sequence analysis software, NextGENe. The new tool is compatible with data generated by the SOLiD System, Illumina Genome Analyzer as well Roche Life Sciences FLX and Platinum Sequencer Systems.

The use of Barcodes or Tags allows researchers to “pool” or multiplex samples, taking advantage of 2<sup>nd</sup> generation sequencing systems’ massive sequencing capability while reducing costs and increasing speed. However, this added complexity requires a software tool that is able to read the tags or barcodes in order to parse or sort patient or sample sequences. Following Barcode sorting NextGENe will then perform various analysis including SNP/Indel detection, SAGE as well as de novo assembly and others.

“Like NextGENe’s entire user interface we have taken extra care to ensure a biologist friendly interface with the Barcode Tool”, states Kevin LeVan, NextGENe Product Manager. “NextGENe’s Barcode Tool”, continued Kevin, “can be used to parse sample files according to barcode tags (MIDs). Since different instruments output barcode data in different formats, NextGENe offers a flexible tool to accommodate these. The Barcode Sorting function can be used for files where barcodes are included in the sequence of reads or in the read name. For multiplex data that includes barcode tags within the sequences, NextGENe is able to trim the tag sequences from reads and parse reads according to tags. After parsing files, each sample can be analyzed independently by NextGENe for a variety of different applications. Since samples are pooled in this type of analysis, input DNA for each sample is reduced. Thus, when a large genomic region or a whole genome is of interest, care must be taken to maintain adequate coverage. We have found that SNPs can be detected when a minimum of 10-20 reads are aligned to a location.”

The company offers 30-day trials and no cost web-based training on NextGENe software package as well as all of its genetic analysis software. Interested parties may request the software on the company website: [www.softgenetics.com](http://www.softgenetics.com) or via email: [info@softgenetics.com](mailto: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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