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Aneuploidy Analysis Added to GeneMarker Software

June 2, 2009, State College PA SoftGenetics LLC announced the addition of an Aneuploidy Analysis module to its GeneMarker software package. The new module is compatible with data generated by major QF-PCR kits such as Aneufast, Devyser and Elucigene.

GeneMarker's Aneuploidy function uniquely corrects for preferential PCR amplification, a critical issue in Aneuploidy analysis. During PCR smaller DNA fragments are preferentially amplified raising the questions whether the imbalance is due to actual Trisomy or preferential amplification of the first allele. To resolve this issue GeneMarker employs linear regression data correction to aid in the detection of 2:1 trisomy. In the linear regression correction the peak intensity ratio of all markers are plotted. A linear regression line is run through the center of the data points and is then used to correct for intensity drops of the larger DNA fragments. This Ratio Plot can be viewed by the analyst as a linear regression plot or corrected for the slope.

“Combining the preferential amplification correction capabilities of GeneMarker”, states Dr. Teresa Snyder-Leiby, “with its integrated and comprehensive quality control and patient reporting options, makes GeneMarker a unique tool for clinicians performing all Aneuploidy analysis types. Collaborators especially have found the highlighting files in the trisomic range and the flagging of individuals falling in the inconclusive range to greatly assist in their analysis.”

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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