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Analysis of DNA Mixtures added to GeneMarkerHID Software

September 1, 2009, State College PA announced the addition of a DNA Mixture analysis module to its GeneMarkerHID Human Identity software. The new functionality follows the recommendations of the DNA commission of the International Society of Forensic Genetics (Gill *et al*, 2006). The software automatically identifies potential mixtures in the main analysis window, based upon parameters suggested in Clayton *et al*, 1998 and Butler, 2005. These parameters include: number of alleles per marker and peak area or height ratios.

The mixture analysis function is all combined in one user-friendly interface, eliminating the mistake-prone tedium of data transfer prevalent in other DNA Mixture analysis software. The software performs the 5 steps of mixture analysis suggested in Clayton *et al*, 1998, which include presenting all possible allele combinations of major and minor contributors using mixture ratio values in an exportable table and color-coding allele combinations that meet analysis parameters.

“The new DNA Mixtures analysis function of GeneMarkerHID is unique in the forensic field” states Teresa Snyder-Leiby, Product Manager, “in that it combines expert recommendations in a very user-friendly interface which, when combined with the program’s linked data base for single source samples, allows rapid and accurate searching of Relationships as well as missing persons.”

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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