ANALYSIS OF PERCENT STUTTER FOR THE 13 CORE CODIS LOCI USING PROFILER PLUS™ AND COFILER™

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The purpose of this study was to determine if the percent stutter filters used in the Kazam macro in Genotyper® were consistent with the percent stutter that we observed in our laboratory or if a modification in these values was required. Known single source samples were amplified with Profiler Plus™ and/or COfiler™ reagent kits. Amplified product was run on the ABI 310 Genetic Analyzer and analyzed using GeneScan® and Genotyper® software. Approximately 50 samples were analyzed. Percent stutter was calculated by dividing the peak height of the stutter peak (n-4) by the peak height of the called allele peak. Results for percent stutter for all alleles examined at each loci will be presented. Data will also be presented on a comparison made between the percent stutter observed for the loci found in both the Profiler Plus™ and COfiler™kits. These results will show that our findings did not differ significantly from those in the Profiler Plus™ and COfiler™ User manuals.