

New and updated features in the 2016 release:

False Match Probability

- Displays genotype non-contributor and contributor distributions
- Calculates error rates for match statistics

Enhanced AB 3500/3500xL Support

- Settable peak rescaling allows the dynamic range of peak heights to be scaled comparable to 31xx platforms

General

- Allows setting up interpretation requests for up to 10 unknown contributors
- Supports the PowerPlex[®] ESI-17, PowerPlex[®] Fusion 6C, and Qiagen Investigator kits as well as the WEN internal lane standard
- Report match statistics automatically provide the most conservative exclusionary match values when using multiple population sub-groups
- Supports Mac OS X 10.12 Sierra and Windows 10

False Match Probability

False Match Probability is a new feature that allows you to report error rates for match statistics. Full details about this feature are available in the paper, “False Match Probability: Reporting Error in Forensic Identification”

(False_Match_Probability.pdf) and the “Non-contributor Distribution” application note (12-Noncontributor.pdf). These documents are available via the Manuals download on the software release page.

To support the FMP feature, the built-in CYB population is automatically loaded into the Random Population tab of the Report module when downloading populations from the database. Cybergenetics advises using the following protocol when operating the Report module with this feature:

Protocol

1. Open the Genotype Selector. Load in the relevant evidence, references and populations from a report specification file or from a TrueAllele database.
2. In the Random Population tab, CYB automatically appears if present in a specification file or when downloading populations from the database. Deselect CYB. Select the other populations of interest.
3. In the Subject Reference tab, select your one person of interest.
4. In the Questioned Evidence tab, press the Apply button (bottom left). This automatically selects the genotype contributors (within each request) that have the largest match strength to the person of interest.
5. Selecting Table > Match opens a table showing the match information. The table displays the smallest match statistic amongst the selected populations.