Template File Info Note

Investigator® Template Files for GeneMapper® ID-X v11-Standard Investigator and GeneMapper ID-X v11-CODIS

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Overview

The Investigator Template Files are software sets for the GeneMapper ID-X Software that help simplify data analysis. Investigator Template Files may be used with ABI PRISM™ single- and multi-capillary instruments from Applied Biosystems®.

GeneMapper ID-X Software (used in conjunction with Investigator Template Files) assigns the analyzed DNA fragments, relative to their length, to the allele designation of the short tandem repeat (STR) loci. Optionally, the corresponding fragment length of peaks in base pairs (bp) or peak height in relative fluorescent units (RFU) can be indicated. These data (genotypes) can be tabulated and exported.

Sample to Insight

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Investigator Template Files are available for all Investigator Human Identification PCR Kits for GeneMapper ID-X Software version 1.2 or higher.

Note: Panels and BinSets are essential for the use of Investigator Human Identification PCR Kits. The use of additional Investigator Template Files is optional.

Template Files v11-Standard and Template Files v11-CODIS

QIAGEN offers 2 different versions of the v11 Investigator Template Files for GeneMapper ID-X: the Investigator Template Files for GeneMapper ID-X v11-Standard and v11-CODIS.

The Investigator Template Files v11-CODIS include a Panel-File, which contains a different spelling of the Amelogenin marker (i.e., "AMEL" instead of "AM" for v11-Standard). In addition, v11-CODIS contains a further analysis method (i.e., Analysis_HID_200rfu_CODIS) with a threshold of 200 RFU and a different global stutter filter.

Template Files Content

The Investigator Template Files consist of the following files:

Size standards

- SST-BTO_60-500bp
- SST-ROX_50-500bp
- SST-BTO_60-450bp

Panels, BinSets, and Stutter

- Panel files are specific for each kit (e.g., 24plex_Panels_v4)
- Bin files are specific for each kit (e.g., 24plex_Bins_v4)
- Stutter files are specific for each kit (e.g., 24plex_Stutter_v4)

Analysis methods

- Analysis_HID_310_50rfu
- Analysis_HID_310_200rfu
- Analysis_HID_3130_50rfu
- Analysis_HID_3130_200rfu
- Analysis_HID_3500_50rfu
- Analysis_HID_3500_200rfu
- Analysis_HID_200rfu_CODIS

  (only in Template File GeneMapper ID-X v11-CODIS)

Plot settings

- Plots_2dyes
- Plots_3dyes
- Plots_4dyes
- PlotsBT5_4dyes
- Plots_5dyes
- Plots_6dyes

File Install Instructions

Investigator Template Files for GeneMapper ID-X Software are available as a free download from the online catalog pages of all Investigator Human Identification PCR Kits (**www.qiagen.com/InvestigatorIDKits**).

Before using the GeneMapper ID-X Software for the first time, Investigator Template Files must be saved to the local analysis computer. Panels, BinSets, and Stutter are imported by the Panel Manager. Other template files, such as Analysis Methods, Table Settings, Plot Settings, etc., can be imported to the local PC using the GeneMapper ID-X Manager.

For detailed information, follow the installation instructions contained in the user manual of the Investigator PCR Kit you are using.

Document Revision History

Date	Changes
10/2019	Replaced v9 with v10 for both Standard and CODIS. Replaced "GeneMapper ID-X Software version 1.0 or higher" with "GeneMapper ID-X Software version 1.2 or higher". Added SST-BTO_60-450bp to "Size standards".
05/2021	Replaced v10 with v11 for both Standard and CODIS. Updates to the Template Files are as follows: (1) Bins, Panels, and Stutter files were updated with Investigator Argus Y-28 QS information, and (2) analysis files for 3500 Genetic Analyzers are changed to include hexanucleotide STR definition for global stutter function.