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Axiom™ Long Format Export Tool v1.5

Features

- Formats Axiom genotype data using the top (TOP) and bottom (BOT) designations based on the polymorphism itself, or the contextual surrounding sequence.
- Designates the A/B allele.
- Access through Axiom Analysis Suite's External Tools window tab or launch independently from the Windows Start menu.
- Exports genotypes for multi nucleotide polymorphisms (MNPs) and indels using an internally developed TOP/BOT assignment and AB naming convention.
- Provides flexibility to enable you to include/exclude indels, MNPs and multi-allelic SNPs.
- Enables AB swaps with the addition of an input file.
- Enables export of additional files; SNP Map, Sample Map and Sample Attribute files.
- The tool has the ability to limit export to best probeset.
- Output to tab-delimited or comma delimited files.
- Ability to export copy number variation data.

Updates to v1.5

The user interface has been redesigned and includes the following new features:

- Separate drop-down sections for Template, Input File Settings and Export Setting.
- Improved Template functionality
  - The ability to select a specific template to generate.
  - Templates are now saved in the batch folder as sub-folders. Also, the name of the template(s) now match the batch folder name.
  - Two new templates (Sample Filter and Sample Grouping) have been added.
  - Option to add a prefix to your template name.
- Global Settings
  - Ability to save specified Input files as well as Export options and selected export files in one configuration.
  - A specific annotation file can now be saved as part of a global configuration.
- Improved Input File functionality
  - A new Sample Grouping file enables the grouping of samples into separate export files.

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     – The Sample Name filter and mapping input option now accepts sample filter file(s).

- Improved Export Settings functionality
  - Option to add a prefix to your export file name.
  - Option to include Y chromosome probesets in calculations for female samples.
  - User-defined Export locations.
- The **Default** button has been renamed to **Add Default Column Values**.
- The **Column** button has been renamed to **Create Custom Export File**.
- Export files now use the batch name for their default file names, but you can change the generated file name if needed.

Known issues and limitations

- Sample Grouping cannot be selected and generated at same time as Sample Filter or Sample Name Filter and Mapping.
- If multiple configurations have been loaded and removed from a batch, a file may still retain a prefix in its name.
- The main window of the tool may not expand horizontally to accommodate longer input paths.
- If you need to edit a specific filename, do not enter a global prefix to your export options or use a saved global configuration. Entering new or saved global prefix will result in two prefix entries in the filename.
- The tool does not auto-save custom settings. You must click the **Save Configuration** button after making any configuration changes, because the tool does not retain changes after it has been restarted or closed.

Software and hardware requirements

IMPORTANT! Axiom Analysis Suite (AxAS) must be installed on your system BEFORE installing and using this tool.

- Axiom Long Format Export Tool v1.5 has been verified for use with AxAS v4.0, v5.0.1 and v5.1.1.
- Axiom Long Format Export Tool v1.5 only supports the following 64-bit systems:
  - Windows 7 Professional SP1 (64-bit)
  - Windows 10 Professional (64-bit)
- Memory and CPU recommended requirements:
  - Quad Core System, 2.83 GHz
  - 16GB RAM