Sequencing Analysis Viewer Software Release Notes

SAV 1.8.46

For all Illumina sequencing systems

November 11, 2014

Introduction

These Release Notes detail the key changes to software components for the Sequencing Analysis Viewer (SAV) Software since the package containing 1.8.37.

This version no longer supports Genome Analyzer run files. GA run files should not use any SAV version later than 1.8.37. For more information on using SAV, refer to the SAV User Guide, available for download from illumina.com.

If you are upgrading from a version before SAV v1.8.36, review the release notes for SAV v1.8.37 for a list of features and bug fixes introduced in that version.

The software package includes:
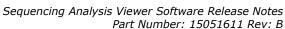- Sequencing Analysis Viewer (SAV) Software v1.8.46

I.   Sequencing Analysis Viewer 1.8.46

NEW FEATURES:

- Added the ability to export Imaging table to .txt file.

IMPROVEMENTS:

- The Tile Status Tab and TruSeq Controls tab have been deprecated.

- Addition of a dropdown option for displaying 10 most recent runs loaded.

- Flow cell chart in Analysis screen updated to display outliers.

- Added dashed lines in to data by cycle chart to indicate start of each read.

- Added a key to the Data by Lane chart.

- The run level summary values within the summary tab for the following fields have been removed:
    o Yield Perfect (G)
    o Yield <= 3 errors (G)
    o % Perfect [Num Cycles]
    o % <= 3 errors [Num Cycles]
    o % Intensity Cycle 20

- Updated the phasing/prephasing calculations from median to mean in the run level summary table.

- The functionality to export IVC plots has been removed from the summary tab. Each plot can still be copied to the clip board by right clicking on the plot in the Analysis tab.

- A number of improvements have been made to the the Imaging table:
    o Improved column heading formatting

    o Added Tile Number and read drop downs

    o Removed Index Column

    o Removed Contrast Min (per channel)

    o Removed Contrast Max (per channel)

- Improved performance in the speed at which data is loaded.

- Improved error handling of missing InterOp files.

- The display will now automatically refresh after the run data is loaded.

- The order and color of bases on Run Screen → Intensity plots have been updated:
    - Base A is now Red (changed from Black).
    - Base C is now Green (changed from Red).
    - Base G remains Blue.
    - Base T is now Black (changed from Green).

DEFECT REPAIRS:

- None.

KNOWN ISSUES:

- Thumbnails are displayed in SAV after template build. Thumbnails exist on the disk in the runfolder\thumbnails directory.
- Windows Control Panel, Programs and Features can show entries for previously installed version after updating.