Release Notes

BCL Convert v3.6.3

# Introduction

These Release Notes detail the latest release of BCL Convert, including known issues.

BCL Convert converts per cycle binary data output by Illumina sequencers containing basecall files and quality scores to per read FASTQ files.

# Features

Support for Sample Project in V1 and V2 sample sheets:

* Users can include Sample\_Project column in the Sample Sheet provided. When provided, the software will output the fastq files for the corresponding sample and lane into a sub-directory named by the Sample\_Project.
* Sample\_Project is supported for both V1 and V2 Sample Sheets.
* When the Sample\_Project column is provided, all Sample\_IDs provided in the data section must have a corresponding Sample\_Project field.
* The command line option to enable subdirectory creation must be enabled for BCL Convert to output fastq files into the Sample\_Project subdirectories; this is disabled by default.

Support for defining the minimum match of a genomic read required for the software to trim or mask:

* The MinimumAdapterOverlap setting can be defined in the settings section of the Sample Sheet, and BCL Convert will only mask or trim that number of bases on the 3' end of the corresponding genomic read which match the adapter sequence defined.
* This setting is supported for both V1 and V2 Sample Sheets.
* This setting will default to 1, and 1,2,3 are supported values.
* This setting can only be specified when an adapter is specified for at least 1 read.

Sample Sheet validation updates

* The Settings section is required for V2 Sample Sheets.
* The Reads section of the V2 Sample Sheet will be validated against the RunInfo.xml

# Resolved Issues

* BCL Convert will be robust to corrupt cbcl input files.

# Known Issues

* BCL Convert does not validate when “Logs” or “Reports” is provided for a Sample\_Project, and the softwre will be unable to create the subdirectories if these string are provided.
* BCL Convert will not provided a warning or error when a corrupt bci lane file is found in strict or robust mode