HiSeq Instrument Software Release Notes

HiSeq Control Software (HCS) 3.3.20

Real Time Analysis (RTA) v2.5.2

Recipe Fragments v3.3.4

Sequencing Analysis Viewer (SAV) v1.8.46

BaseSpace Broker v2.4.0.29

Run Copy Service v1.0.14

For HiSeq® 3000 and HiSeq® 4000 Systems

March 5, 2015

Introduction

These Release Notes detail the known issues with the initial release of software components for the HiSeq Control Software and related applications.

For more information on the HiSeq system, including HCS 3.3.20 and RTA 2.5.2, please refer to the HiSeq® 3000/4000 System User Guide, available on illumina.com.

For more information and detailed instructions on bcl2fastq2 conversion software, please refer to the bcl2fastq2 User Guide, available on illumina.com.

The software package includes:

- HiSeq Control Software (HCS) 3.3.20

- Real Time Analysis (RTA) v2.5.2

- Recipe Fragments v3.3.4

- Sequencing Analysis Viewer (SAV) v1.8.46

- BaseSpace Broker 2.4.0.29

- Run Copy Service v1.0.14

I.   HiSeq Control Software (HCS) 3.3.20

NEW FEATURES:

- Initial Release to support HiSeq® 3000 and HiSeq® 4000 Systems

KNOWN ISSUES:

- First Base Report does not pause for user confirmation prior to continuing the sequencing run.

- HCS will request 2 TB empty space on O:\ drive for runs > 310 cycles. If run set up is less than 310 cycles, HCS calculates space request by number cycles * 10.4 GB. A 300 cycle run will look for 3 TB of space.

- Maintenance Wash logs 0001–01–01T00:00:00 for maintenance wash start time in the maintenance activity log file. Water and post-run washes are not affected and maintenance wash end time is not affected.

- Customer using an existing recipe can not enter PE turn reagent barcode ID during run set up, PE turn reagents will still be used in sequencing run.

II.   Real Time Analysis (RTA) v2.5.2

NEW FEATURES:

- Initial Release to support HCS 3.3.20

KNOWN ISSUES:

- None

III.   Recipe Fragments v3.3.4

NEW FEATURES:

- Initial Release to support HCS 3.3.20

KNOWN ISSUES:

- None

IV.   Sequencing Analysis Viewer (SAV) v1.8.46

- For information regarding SAV v1.8.46, refer to SAV v1.8.46 software release notes available on illumina.com.

V. BaseSpace Broker 2.4.0.29

NEW FEATURES:

- Initial Release to support HCS 3.3.20

KNOWN ISSUES:

- A run failure that occurs immediately after sequencing has started may result in incomplete broker state files generated in O:\Illumina\BaseSpaceBroker. Delete incomplete files to resume normal Broker behavior.

VI.   Run Copy Service v1.0.14

NEW FEATURES:

- Initial Release to support HCS 3.3.20

KNOWN ISSUES:

- None