Sequel® II/IIe system release notes (v11.0)

PacBio

This system version supports Sequel II and Sequel IIe systems **only**.

New Features

Support for new sequencing workflows:

- HiFi sequencing now includes 5mC calling in CpG motifs.
- Automatic detection and resolution of heteroduplex inserts in Amplicon applications.
- On-instrument barcode demultiplexing (Sequel IIe system **only**.)
- Adeno-associated virus sequencing mode.

Support for new sequencing consumables:

- SMRTbell® prep kit 3.0
- Sequel II binding kit 3.1 and Sequel II binding kit 3.2
- Sequel II sequencing kit 2.0 (1 rxn)
- SMRT® Cell 8M single use tray

Reduced data output size: By default, the produced .bam file(s) now contain **only** HiFi reads, resulting in a substantially smaller file size.

Fixed Issues

- Fixed an issue where an alignment camera malfunction could cause a run to abort.
- Fixed an issue with the IUI where certain buttons could be incorrectly disabled.