

Overview

- Added support for on-instrument 6mA calling
- Fixed a known issue with the AAV sequencing application where “by-strand” mode would fail
- Fixed an issue where run preview metrics could be slightly inflated
- Adds various UI improvements including new avatars and display of time until pre-load availability
- Added diagnostic features and instrument log export

Supported SMRT® Link versions

Vega instrument software v1.1 is compatible with SMRT Link v25.2, SMRT Link v25.3, and SMRT Link Cloud.

Known issues

- Once sequence data acquisition first begins, there is an approximately a three-minute window where aborting a run can leave the system in a state wherein the subsequent run will fail if the instrument is not first restarted. This window occurs 3.5 hours into a run, after all SMRT® Cell preparation steps are complete. While the likelihood of a user-initiated abort in the window is very low, we suggest that the user take care to avoid initiating an abort in the first ten minutes of data acquisition.
- Run Design: For runs that use STRAND consensus mode, on-instrument methylation calling is not supported. Currently `jasmine` 5mC CpG methylation models require both strands; therefore, 5mC CpG calls are not reported when using STRAND consensus mode. To generate 6mA calls, set “Include Base Kinetics” to YES in Run Design and, post-sequencing, run `jasmine` v2.799 using the unaligned BAM files with kinetics retained as input. Please reference the [jasmine GitHub documentation](#) for more details.
- In SMRT Link, under Run Details: The Q30+ base count statistic is missing in runs that use AAV by-strand consensus mode.

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