Software Release notes: Pippin version 6.23

Release notes:
Date: 9/1/16
Version: 6.23

What's new from v.6.22 to 6.23?

Pippin Prep and Blue Pippin
- Software fix to eliminate occurrence of signal spike within the first few seconds of the run
- In peak-calling parameters, max allowable peak time increased to 50 mins

Blue Pippin
- Updated 0.75% DF 50kb Marker Z1- Broad cassette definition
- Updated 0.75% DF 50kb Marker Z1- Tight cassette definition
- Added 3%DF Marker Q3 cassette definition - Size collection ranges 100-250bp

Pippin Prep
- Added 3%DF Marker P cassette definition - Size collection ranges 100-250bp

---

Release notes:
Date: 09/09/15
Version: 6.22

What's new from v.6.20 to v.6.22?

Pippin Prep and BluePippin
-LED calibration bug fix prevents LEDs remaining off when calibration is aborted

BluePippin
-Updated Peak Calling Parameters for 0.75%DF 3-10kb Marker S1- Improved Recovery Casette Definition
-Updated Peak Calling Parameters for 1.5%DF Marker R2 Casette Definition
-Updated Peak Calling Parameters for 2% DF Marker M1 Casette Definition

---

What's new from v.6.13 to v.6.20?

Should you upgrade to v. 6.20?
PacBio / BluePippin users or users who are collecting large DNA should upgrade their instruments. This software version turns off the LED detectors when they are not required. This eliminates concerns over possible DNA nicking with prolonged exposure to blue light. It also includes a new high-pass protocol which collects fragments over 40kb.

Pippin Prep users may want to forgo an upgrade unless there is a concern about exposure to green light.

Note ethidium bromide users:
Ethidium bromide cassettes will have LEDs turned off in the non-marker lanes. This will turn off the visualization of the DNA in the sample lanes, which will be different than expected. If users wish to monitor the DNA in sample lanes, users will need to manually turn on the LEDs in the protocol editor screen and save or re-save the protocol.

Changes in 6.20:

The LED detectors turn will now turn off after detecting calibration markers. When internal standard protocol are used, the LEDs will turn off after the markers have been detected. With external standard protocols, the sample lane LEDs will be off by default.

Pippin Prep™

New Cassette Definitions or Improvements

None.

BluePippin™

New Cassette Definitions or Improvements – CD18

250bp -1.5 High Pass Cassette Definition ("0.5%DF Marker R2 250-1500bp high-pass")

This protocols select all fragments above 250bp to 1.5kb thresholds, use cassette kit:

BDF1510

New Cassette Definitions or Improvements – CD16

30-40kb High-Pass Cassette Definition ("0.75%DF Marker U1 High Pass 30-40kb"):

This protocols selects all fragments above 30 to 40kb thresholds, use cassette kit:

BUF7510 or
PAC30KB (PacBio users)