Bionano Tools v1.4 Release Notes

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Revision History

Revision	Notes
A	Initial release of document.
B	Release of version 1.4.1
C	Release of version 1.4.3

Bionano Tools

This document describes the v1.4 release of Bionano Tools. In this document we will provide an overview of what is changing with this release so that you may better understand the impact of moving to this version of our software. Should you have any questions please contact support@bionanogenomics.com.

Introduction

Bionano Tools are installed on Saphyr Compute, Bionano Compute, and Bionano Access Servers before server shipment and installation. IrysSolve servers, which have been in use with Bionano Access, also have Bionano Tools installed during the upgrade.

The Bionano Tools (folder “tools”) is located at the /home/bionano directory on the compute server. The folder contains a collection of tools and scripts, including our computation pipeline Bionano Solve (see P/N 30274 for Bionano Solve 3.4 release notes). Each individual tool is versioned independently. These tools together perform computation jobs on the compute server.

Compatibility

This version of Tools is compatible with Bionano Access 1.4

IrysSolve Servers

If you are using an IrysSolve server to perform computational analysis on data generated by the Saphyr instrument, contact Bionano Support to reconfigure the IrysSolve prior to running any samples labeled with the DLS chemistry.

Updates

Version	Summary	Ticket
1.4.1	Python 2.7.15 install failure	BT-184
1.4.1	matplotlib 2.3.2 package install failure	BT-185
1.4.3	Unexpected EOF failure during Scaffold	BT-203
1.4.3	Update bnx colors to match part numbers	BT-193
1.4.3	Update pipeline.sh to handle binary status.xml	BT-192

Tickets

Summary	Ticket
Add support for Rare Variant Analysis	BT-163
Upgrade to Python 2.7.15	BT-170

Tools

Below are the tools included in this release.

Tool Folder	Pre-update version	Post-update version	Comment
access	1.3.8041.8044	1.4.1	Access integration scripts
pipeline	Solve3.3_10252018	Solve3.4_09252019	Bionano Solve scripts

Technical Assistance

For technical assistance, contact Bionano Genomics Technical Support.

You can retrieve documentation on Bionano products, SDS's, certificates of analysis, frequently asked questions, and other related documents from the Support website or by request through e-mail and telephone.

Type	Contact
Email	**support@bionanogenomics.com**
Phone	**Hours of Operation:** **Monday through Friday, 9:00 a.m. to 5:00 p.m., PST** **US: +1 (858) 888-7663**
Website	**www.bionanogenomics.com/support**

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