



Bionano Tools v1.5

Release Notes

Document Number: 30315

Document Revision: C

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Revision History

Revision	Notes
A	Initial release of document.
B	Pipeline version updated
C	Added tickets for 1.5.2 Update

Bionano Tools

This document describes the v1.5 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 30323 for Bionano Solve 3.5 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 1.5.

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
1.5.2	Add support for more than 99 scans	BT-260
1.5.2	Add Rare Variant Check Pointing	BT-258

Tickets

Summary	Ticket
Create tools script to run FSHD Analysis	BT-186
Add dependency for pandasql package	BT-189
Python code error when JSON package not available	BT-190
RVP jobs not cancelled	BT-197
MQR using all cores causing Bionano Access Server to stall	BT-200
Make FSHD script for Compute on Demand	BT-202
Modify Bnx merge to handle tab or space as delimiter	BT-204
Add source folder to Bnx during cohort merge	BT-206
Change location of FractCNV and BionanoR installation	BT-207
Extra channel label column in bnx file	BT-227
Duplicate QualityScoreID column in bnx file	BT-234

Tools

Below are the tools included in this release.

Tool Folder	Pre-update version	Post-update version	Comment
access	1.4.1	1.5.2	Access integration scripts
pipeline	Solve3.4_09252019	Solve3.5.1_01142020	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