

TruSight Tumor 15

Local Run Manager Module

Release Notes

V2.0.1

For TruSight Tumor 15 Reagents

Introduction

These Release Notes detail the key improvements for the latest release of the Local Run Manager (LRM) TruSight Tumor 15 analysis application.

I. Local Run Manager TruSight Tumor 15 App version v2.0.1

NEW FEATURES:

- Support added for Local Run Manager Off-Instrument.
- Amplification calling for the following genes is now supported: EGFR, ERBB2, and MET. The CRAFT copy number variant caller (v1.0.0.12) has been added to the software to prepare these values.
- Users may now configure the size of the indels they wish to report on.
- The application delivers a new amplicon coverage report.
- The following version updates have been made to the following components.
 - Updated from Generate_FASTQ to BCL2FASTQ v2.18.0.
 - Small Variant Caller = v4.0.7.6 to v5.1.7.52.
 - Illumina Annotation Engine = v1.1.8.0 to v1.3.8.0
 - Illumina Amplicon Aligner = v3.4.61.9 to v3.6.81.51
- The Filtered Variant Summary report (PDF and TXT) now organizes variants into a "Detected Variants" and "Detected Variant Sites with Flagged QC Metrics" section. Within these sections, variants are sorted first by gene and then by p-dot notation. This file replaces the Filtered Output Report that was included in previous versions.
- Updated the Illumina Annotation Engine installer version from v1.0.0.3 to v1.0.0.4.
- Added new small variants to the report definitions file:
 - 17 in EGFR.
 - 4 in KRAS.
 - 2 in NRAS.
 - 1 in BRAF.

DEFECT REPAIRS:

- An annotation error for a small variant on TP 53 has been corrected. An MNV previously reported as position 17:7578463 has been amended to 17:7578461.
- The following amplicon name was updated in the TST_15-A-Manifest.txt file.
 - 1NRASxxE02TF004SR004 to 1NRASxxE04TF004SR004

KNOWN ISSUES:

1. A permissions defect prohibits admin users from re-queuing runs. As a workaround, we recommend either of the following:
 - a. Create a standard user to re-queue runs.
 - b. Create a new run, and import the run parameters from the existing run using the "Import sample sheet" functionality described on page 4 of the TST15 Analysis Module Workflow Guide.

NOTE:

- The existing TST 15 MiSeq Reporter workflow has not been updated with the changes above. MiSeq users should plan to transition to Local Run Manager for MiSeq, which was released in July 2018.

II. Release History

Version	ER#	Originator	Description of Change
00	DIR Workflow	T. Howard	Initial Release
01	DIR Workflow	T. Basye	Updated "Known Issues" and "Notes" sections