

# **DesignStudio Sequencing Software v4.0.1**

## **Release Notes**

*For iSeq100, MiniSeq, MiSeq, NextSeq, and HiSeq*

**15-AUG-2018**

## Introduction

These Release Notes detail the key changes to software components for DesignStudio v4.0.1 since the v3.0.0 release

Because DesignStudio is an Illumina hosted web application, the new release affects all customers.

### IMPROVEMENTS:

- This release adds a new custom assay design workflow for building AmpliSeq On-Demand panels. The AmpliSeq On-Demand assay enables selection of verified and optimized content at the gene level, up to 500 genes or 15,000 amplicons. Coverage data observed from wet-lab validations for each gene target at the amplicon level can be visualized using the new in-browser IGV feature.

### DEFECT REPAIRS:

- Fixed issue with the AmpliSeq for Illumina Gene and AmpliSeq for Illumina Hotspot assay design workflows where notification emails were not being sent to users upon completion of their designs.
- Fixed issue with the AmpliSeq for Illumina Gene assay design workflow where selecting the "Exon Only" option while submitting a gene target without any valid UTR regions would cause an error when submitting the design.
- Fixed issue where targets may not immediately appear on the Manage Targets page when modifying a design with a large number of targets.
- Fixed issue where clicking the Back button with the Safari browser after submitting a design incorrectly allowed the target list to be edited.
- Fixed issue where the coverage pie chart on the "Review Design" page was not visible when using Internet Explorer.
- Fixed issue where modifying a project name and subsequently cancelling did not revert the project back to its original name.
- Fixed issue where TruSeq Targeted RNA Expression projects in the "Finalized" or "Ordered" states could incorrectly be modified by using the visualization tool on the Manage Targets and Review Design pages.

### KNOWN ISSUES:

- Uploading a targets list file over a slow internet connection may fail.

### OTHER:

- The "Nextera Rapid Capture Custom" assay designer has been renamed to "Enrichment".