

# DesignStudio Sequencing Software v7.0.0

## Release Notes

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

**Release Date: 16 May 2019**

## Introduction

These Release Notes detail the key changes to software components for DesignStudio v7.0.0 since the v6.0.0 release

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

### IMPROVEMENTS:

- This release provides a new custom assay design capability for creating AmpliSeq for Illumina Custom RNA Fusion panels. Customers can design panels of 13 to 1,200 amplicons to capture their Gene Fusions of interest.
- AmpliSeq for Illumina Custom DNA Gene, Hotspot and Spike-in to On-Demand panels now display estimated number of amplicons prior to design submission.

### DEFECT REPAIRS:

- Delete button now properly deactivates when selected targets are deleted.
- Rare issue where default sort order of designs on ViewDesigns page is incorrect.
- Removed selection check boxes on Review Design since no actions can be taken.
- Resolved minor graphical display issue with toast notifications.

### KNOWN ISSUES:

- Uploading a targets list file over a slow internet connection may fail.
- "N/A" is displayed instead of 0% for Exons in expanded view in Regions grid for Spike-In designs.
- Small number of AmpliSeq On-Demand gene design details cannot be loaded in IGV.
- Large AmpliSeq On-Demand panels may experience a delay when opening the submit dialog.
- Rare issue where incompatible transcript can be added to target list for AmpliSeq RNA Expression. This is correctly identified as an error and must be resolved prior to design submission.