CLARETBIO

2022 Q2 NEWSLETTER

SRSLY, WHAT'S BREWING?

Dear SRSLY® Users,

Spring is upon us. The days are getting longer, the flowers are starting to bloom, and the pandemic is showing signs of slowing (hopefully). Remember to wait until after the last frost to plant your summer garden starts. Here is what is going on at ClaretBio.

This quarter we would like to introduce:

1. FREE SRSLY ANALYSIS SOFTWARE

We are currently working out the final bugs. However, you will soon notice a new suite of analysis tools when you navigate to *https://www.claretbio.com/products/software*. This new command line suite is designed to help SRSLY users take both UDI and UMI fastq files and turn them into fully trimmed and processed bam files. The program will properly parse UMI SRSLY data, as well as provide summary sequencing metrics and insert distribution profiles for all SRSLY libraries regardless of UMI status.

2. CONTROL DNA OPTION

This quarter we will start offering the completely totally 100% optional choice for users to purchase a small aliquot of control gDNA when they purchase a SRSLY kit. The organism is K12 E. coli, and we will offer the control DNA in both sheared and unsheared options. The idea with this offering is that users working with difficult templates can run a control reaction alongside their questionable template DNA to determine if the (hopefully unlikely) library failure is due to the template DNA or the protocol.

3. NEW UMI DATA

We recently released a new application note in conjunction with Horizon Discovery. In the application note we utilized SRSLYs UMI add on module to call all of the low allele frequency variants in Horizon's OncoSpan cfDNA standard post enrichment using a PanCancer enrichment panel. You can check out the full application note at https://www.claretbio.com/featured-literature. However, we will share one of the results quickly here:

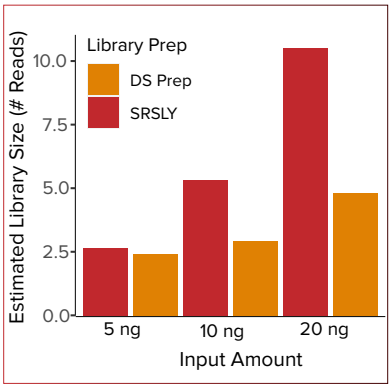

Figure 1: UMI libraries prepared from Oncospan cfDNA with a range of inputs using both SRSLY and a standard dsDNA prep, followed by targeted enrichment. GATK Picard Tools used to estimate the number of unique molecules present in the library based on the number of paired end molecules observed and the number of unique pairs observed.

4. SRSLY WEBINAR SERIES

Starting this quarter, we will host a new webinar series where our happy customers get a chance to showoff their cool results. **Write to us if you would like to participate.**

More exciting announcements coming in Q3. Until then may your experiments be productive and your results insightful.

- The ClaretBio Team

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