

2022 Q1 NEWSLETTER

SRSLY, WHAT'S BREWING?

Dear SRSLY® Users,

2022 is the start of a new year. With new year's resolutions fresh on our minds, ClaretBio is starting a quarterly newsletter. The purpose of these newsletters is to briefly inform you, the customer, of kit changes, upcoming products, and additional ClaretBio news. This is our first newsletter!

This quarter we would like to introduce:

1. OUR NEW STREAMLINED UNABRIDGED KIT MANUAL

If you are a new SRSLY® user then great news, you won't notice any changes here. If you are an SRSLY veteran (and still even consult the manual) you will notice a few changes to the manual.

- All input DNA information is now aggregated to a single chapter
- We have reduced protocol repetition
- All core information is retained, some new info is included, and the manual is now just 64 pages, not 95 pages

2. A DUAL-SIDED BEAD PURIFICATION OPTION POST-INDEX PCR

In certain conditions SRSLY can form chimeric molecules at a higher frequency than dsDNA preps. These chimeric molecules are relatively higher in nucleotide length. Therefore, included in our updated manual, is an optional dual-sided bead purification protocol step. This dual purification is performed post index PCR and specifically aimed at reducing chimeras in SRSLY libraries with high input amounts.

Here are some data. We plan on releasing a full white paper soon (we'll let you know when, in our newsletter).

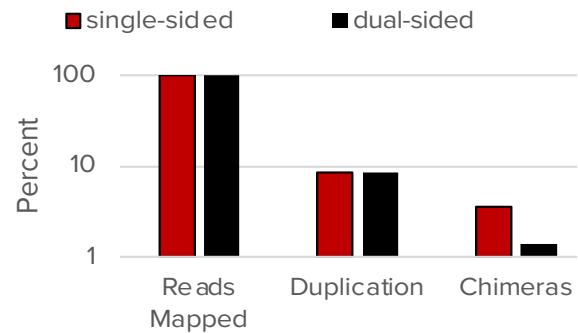


Figure 1: 50ng sheared gDNA SRSLY libraries. Large fragment selection post ligation with single or dual-sided selection post index PCR. Sequenced to a depth of 60M each. Reads mapped and chimeras calculated with BWA MEM, duplication rate performed with PICARD.

3. URACIL TOLERANT INDEX PCR POLYMERASE CATALOG OPTION

Currently, we include an exceptional Index PCR polymerase in our core SRSLY kits. However, not all template DNA is the same. We realize that some DNA is more uracil-prone than others (**looking at you aDNA and Methyl-Seq people**). To make all our customers feel more included in the Claret family we will soon be allowing customers the option of using our current index PCR polymerase or a uracil tolerant version. Pricing to be determined.

More exciting announcements coming in Q2. Until then may your experiments be productive and your results insightful.

- The ClaretBio Team