

PacBio Sequencing: Outsourcing Options

At the beginning of July 2023, the UGA's Office of Research (OoR) started implementing a new business model at the GGBC, under which the Sequel II was decommissioned and all in-house PacBio sequencing was suspended. While we will still offer our UGA customers free consultation and technical support to aid in the design and development of their PacBio projects, customers will now need to utilize outside providers for sequencing. This will include acquiring quotes for the work, sample shipments, and communication with the core facility about their project(s). The GGBC will continue to provide pay-for-service bioinformatics and data transfer services for PacBio projects.

In order for UGA researchers to be able to continue to obtain a high level of technical expertise and service, along with competitive pricing and reasonable project turnaround times that best approximate the GGBC's previous PacBio offerings, we have generated a list of recommended academic sequencing cores.

The sequencing centers listed below are all [PacBio-certified](#) and all offer sequencing on the latest Revio platform. As of December 1st, 2023, these cores still maintain a Sequel II instrument for those needing short insert sequencing, i.e., for Iseq and amplicon sequencing. Once these cores evaluate the new Kinnex kits for the Revio, short insert libraries will be available to run on that platform and most of these cores will discontinue Sequel II services.

General pricing information for library synthesis and single SMRT cell Revio sequencing, as well as contact emails can be found below. Quotes should be obtained directly from the provider of choice for PacBio sequencing projects and, if not found in the links below, technical support staff at those facilities can provide more detailed information regarding pricing, sample submission, and data transfer.

University of Arizona Genomics Institute

University of Arizona Sample Submission Guidelines

Turnaround Time (weeks) *: 4-6

Contact Email: quote@genome.arizona.edu

BYU DNA Sequencing Center

BYU Sample Submission Guidelines

Turnaround Time (weeks) *: 3-4

Contact Email: dnasc@byu.edu

University of Maryland School of Medicine Inst. for Genome Sciences

Turnaround Time (weeks) *: 4-6

Contact Email: igs-services@som.umaryland.edu

University of Washington PacBio Sequencing Services

Turnaround Time (weeks) *: 4-5

Contact Email: uwpacbio@uw.edu

Hudson Alpha Genome Sequencing Center

Turnaround Time (weeks) *: 6-8

Contact Email: jgrimwood@hudsonalpha.org

** Turnaround times are typically shorter at all facilities when purified DNA/RNA is submitted*