



Oct 18, 2021

© (ILLUMINA MENU) Protocols for SARS-CoV-2 Library Prep with ARTIC Primers, Bioinformatic Analysis, and Database Submission V.1

Technical Outreach and Assistance for States Team¹

¹Centers for Disease Control and Prevention

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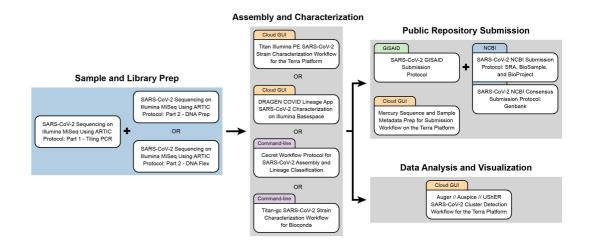
collection.

Jessica Chen Centers for Disease Control and Prevention

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This collection of protocols covers library preparation and sequencing on Illumina platforms as well as bioinformatic analysis and submission of SARS-CoV-2 data. These frequently used protocols have been assembled by the Technical Outreach and Assistance for States Team (TOAST) and the Office of Advanced Molecular Detection (OAMD) at the Centers for Disease Control and Prevention for use by participating State, Tribal, Local, and Territorial labs for sequencing of SARS-CoV-2. Individual protocols were developed by the protocol authors, and individual protocols should be credited accordingly.

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SARS-CoV-2, COVID-19, sequencing, bioinformatics, Illumina

_____ collection,

Feb 15, 2021



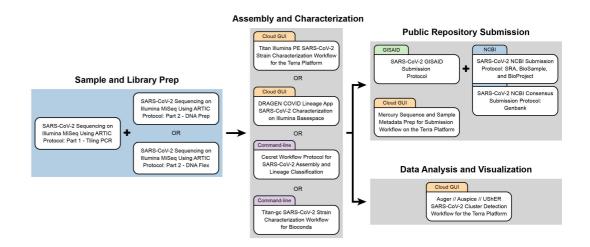
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FILES





SARS-CoV-2 Sequencing on Illumina MiSeq Using ARTIC Protocol: Part 1 - Tiling PCR

Version 1

by Joel Sevinsky, Theiagen Genomics





✔ SARS-CoV-2 Sequencing on Illumina MiSeq Using ARTIC Protocol: Part 2 - Illumina DNA Prep Protocol

Version 1

by Joseph Madden





SARS-CoV-2 Sequencing on Illumina MiSeq Using ARTIC Protocol: Part 2 - Illumina DNA Flex Protocol

Version 1

by Joel Sevinsky, Theiagen Genomics





Titan Illumina PE SARS-CoV-2 Strain Characterization Workflow for the Terra Platform

Terra Piatro

Version 1

by Jill Hagey, Centers for Disease Control and Prevention





DRAGEN COVID Lineage App SARS-CoV-2 Strain Characterization on the Illumina BaseSpace Platform

Version 1

by ycm6





Cecret Workflow for SARS-CoV-2 Assembly and Lineage Classification

Version 2

by ycm6





₱ Titan-gc SARS-CoV-2 Strain Characterization Workflow for Bioconda

Version 1

by Michael Weigand, Centers for Disease Control and Prevention





Mercury Sequence and Sample Metadata Prep for Submission Workflow on the Terra Platform

Version 1

by Jill Hagey, Centers for Disease Control and Prevention





SARS-CoV2 GISAID submission protocol

Version 3

by Nabil-Fareed Alikhan, Quadram Institute Bioscience





✓ SARS-CoV-2 NCBI submission protocol: SRA, BioSample, and BioProject

Version 3

by Ruth Timme, US Food and Drug Administration





SARS-CoV-2 NCBI consensus submission protocol: GenBank

Version 2

by Ruth Timme, US Food and Drug Administration





Auger/Auspice/UShER SARS-CoV-2 Cluster Detection Workflow for the Terra Platform

Version 2

by Anusha Ginni

