

Stringent Quality Controls

Gold-standard approach to QC processes for optimal results



Service Highlights

Optimized Sample Preparation and Library Construction

- Extracted samples quantified with an Agilent TapeStation and Qubit. Results shared for review and approval
- Every in-house prepared library is validated and balanced with preliminary (MiSeq) test run to ensure high quality deep sequencing data
- Final library pool quantified by qPCR and matched to libraries with a history of successful sequencing to optimize cluster formation and data yield

Reduction of PhiX Contamination - SeqMatic's proprietary Dual-indexed PhiX Control Library (TailorMix™) supports easy demultiplexing for cleaner data sets

CLIA Standard QC Environment - SeqMatic's quality program is audited, validated and approved by Clinical Laboratory Improvement Amendments (CLIA) and College of American Pathologists (CAP)

Laboratory Information Management System (LIMS) - All samples are logged and tracked with unique labels for inventory management

Product Highlight

TailorMix
Indexed PhiX

*Custom
Dual-Indexed
PhiX Control
Library*

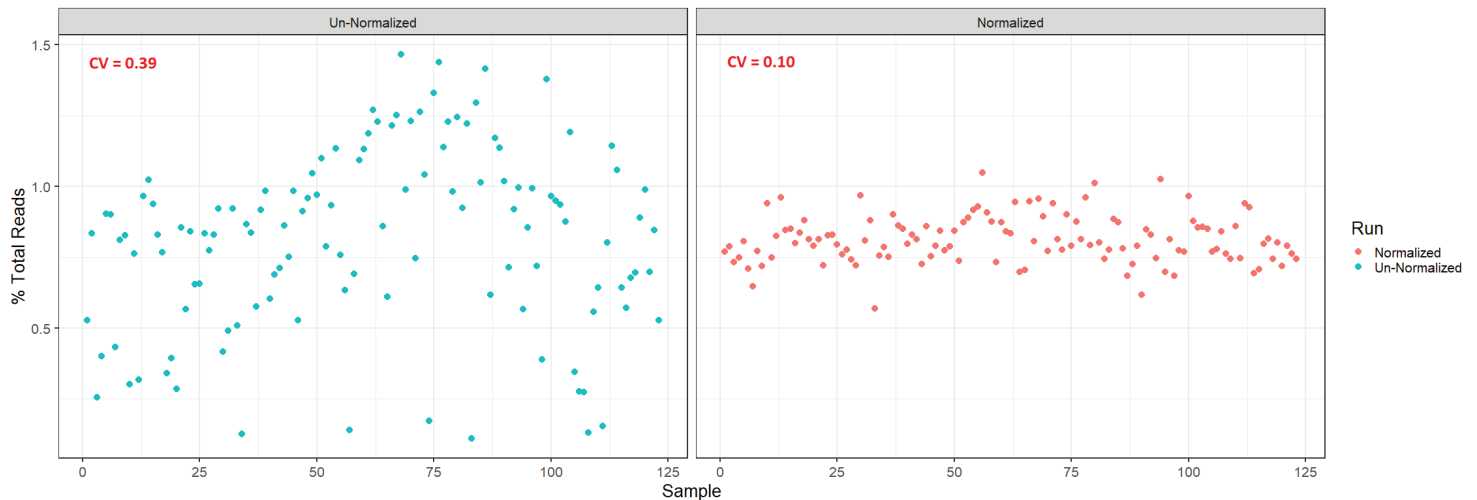


SeqMatic is the only commercial service provider in the S.F. Bay Area that is certified by Illumina, 10x Genomics and Parse Biosciences



Optimized Cluster Formation

Effect of SeqMatic Library Pooling Normalization



LEFT: Un-normalized pool

RIGHT: Normalized pool with 10% CV after MiSeq test run



Request a Quote

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