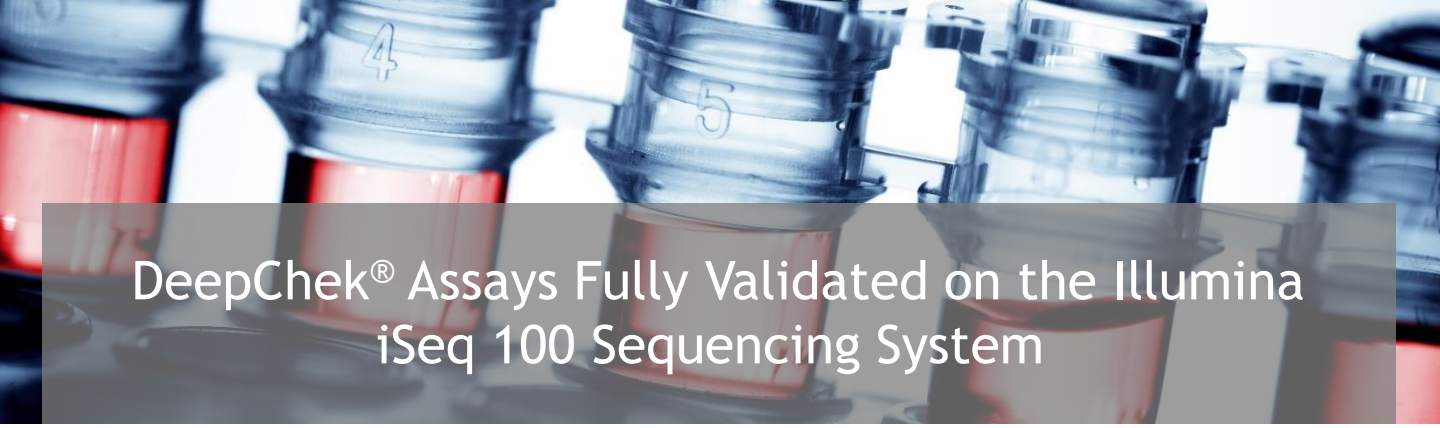


DeepChek® Assays Fully Validated on the Illumina iSeq 100 Sequencing System

ANNOUNCEMENT

ABL Advanced Biological Laboratories

ABL is pleased to announce the validation of its **DeepChek® Line of Assays** on the Illumina iSeq 100 Sequencing System

DEEPCHEK® ASSAYS*

Sequencing-based genotyping assays for microbiology and virology applications

DeepChek®

HIV	HBV	HCV	CMV	TB	NEW HSV

VALIDÉ VALIDATED

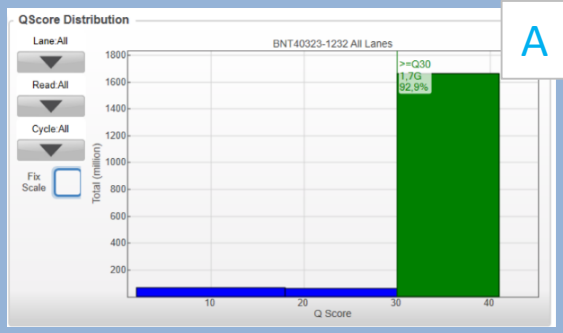
* Also validated on other Sanger or NGS platforms (protocols available for MiSeq, MiniSeq, S5, PGM, ABI, SeqStudio…)

PERFORMANCES & EXAMPLES OF RESULTS

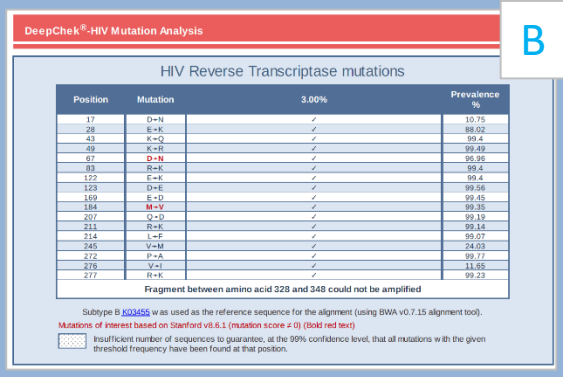
PERFORMANCES

- Fully validated on the DeepChek Library Preparation assays
- Q30 = 93% *(A)*
- >5.6 millions reads passing QC
- Variants **>=3%** similar to other **NGS** platforms (MiSeq, S5…) *(B, E)*
- Variants **>=20%** similar to **Sanger** sequencing platforms
- 100% agreement on clinical interpretations *(C)* and subtyping *(D)*
- More than 96 samples per run to reach a 1% interpretation with good coverage *(F)*!

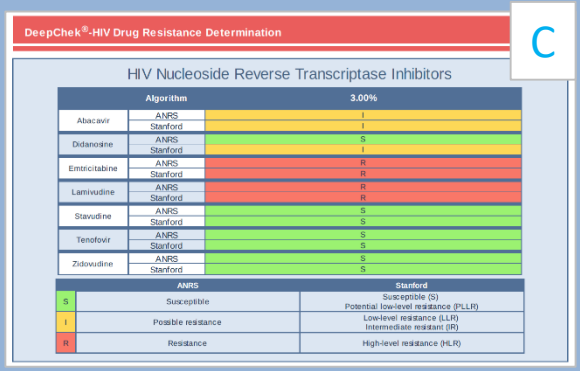
A



B



C



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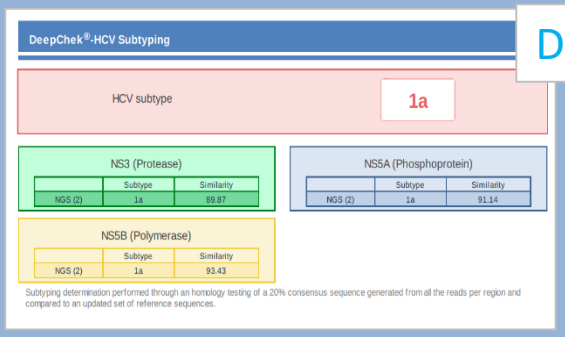
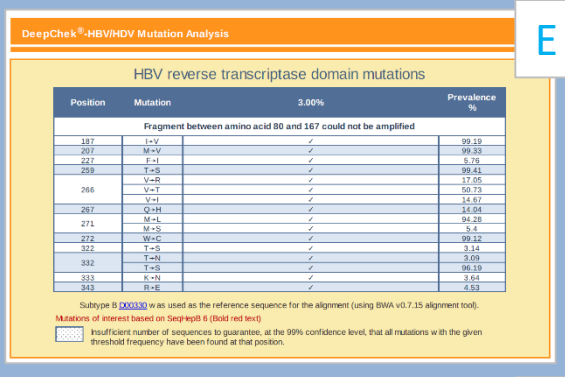
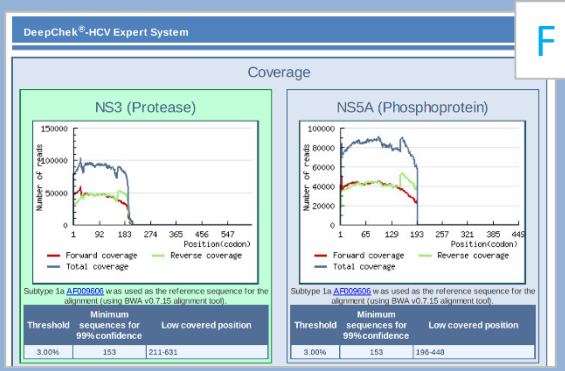


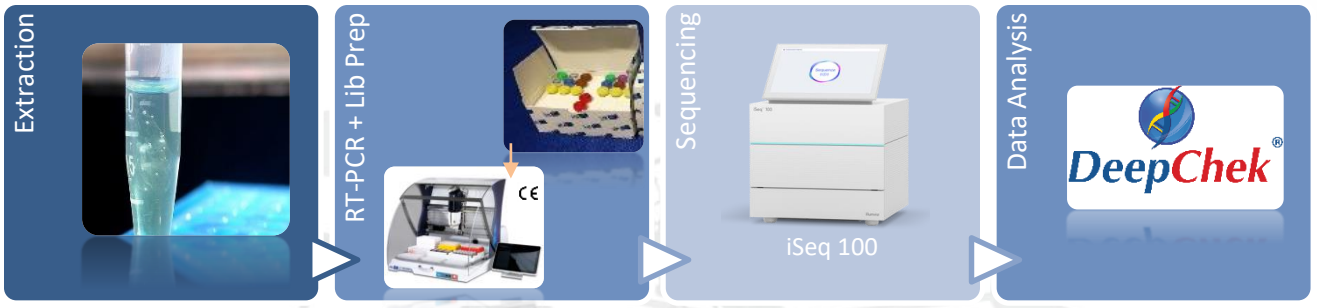
E



F



THE WORKFLOW



TAT ~27h30*
HOT ~1h00*

HOT: Hands-on time
TAT: Turnaround time
* For 24 samples

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DeepChek®