

Exatype: HIV (Sanger)

A platform for HIV drug-resistance reporting

https://sanger.exatype.com/

INTRODUCTION

HIV genotyping workflow: Three-step process





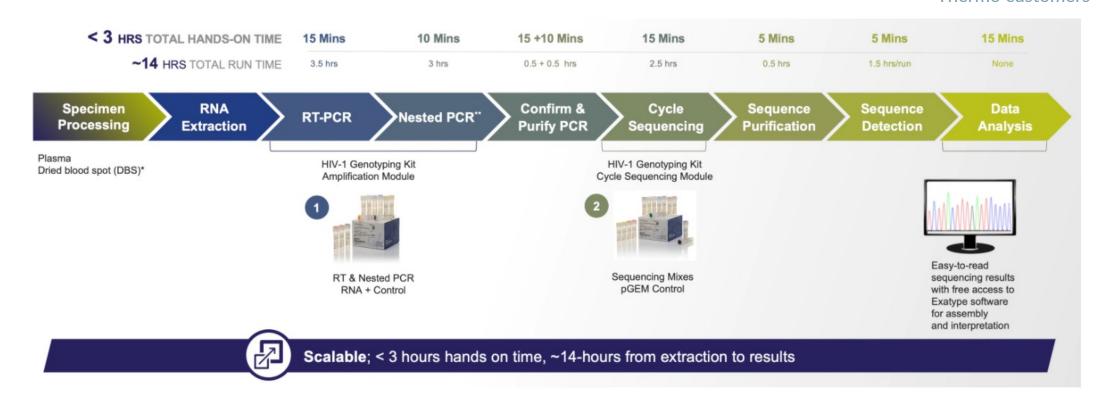


INTRODUCTION

End-to-end solution



Free analysis for Thermo customers

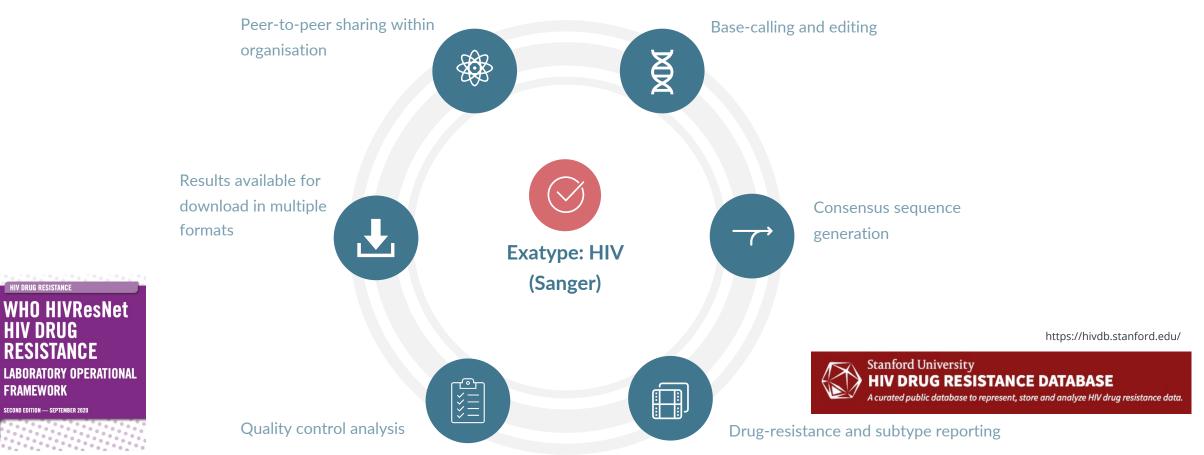


OUT-OF-THE-BOX SOLUTION

HIV drug-resistance analysis

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3372133/





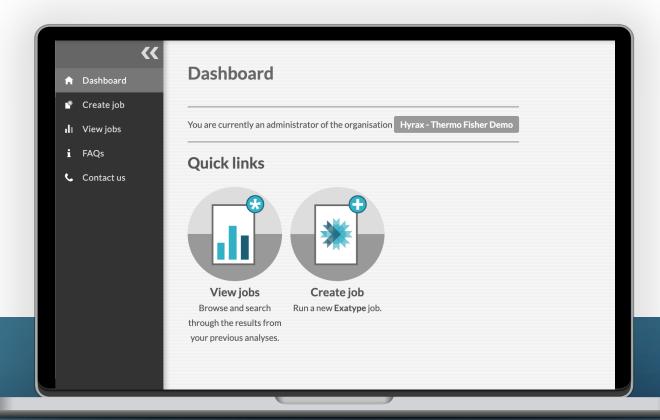
WHO HIVResNet

RESISTANCE

FRAMEWORK

DEMO RUN

sanger.exatype.com



PLATFORM FEATURES

Standardisation





Automatic data-upload

Hands-off data processing through integration with sequencer software



Secure

Cloud-based analysis
Follow HIPAA and GDPR protocols



Scalable throughput

API for high-throughput users
Upload as many plates/samples as required



HOW TO FIND US AND GET IN TOUCH



sanger.exatype.com



Information

sanger@hyraxbio.com



Support

support@hyraxbio.com



Partnerships

commercial@hyraxbio.com



Website

hyraxbio.com



Landing page

analysehiv.com | analyzehiv.com

THANK YOU

KEY BENEFITS



Gold-standard approach for resistance interpretation

 Local installation of the Stanford¹ HIVDB; guaranteed updates within one week of Stanford updates



Comprehensive quality-control reporting

- Positive and negative control reports are produced for sequencing quality control
- Surveillance monitoring included through genetic distance,
 APOBEC and atypical mutation reporting, as recommended by the WHO best practices³



Industry recognised base-calling software

- RECall², University of British Columbia software, is used for base-calling
- No need for separate software that requires regular updates



Integration with LIMS

 Push to LIMS system using .tsv/.json file output (additional cost)



Easy-to-use

• Intuitive interface with minimum hands-on time

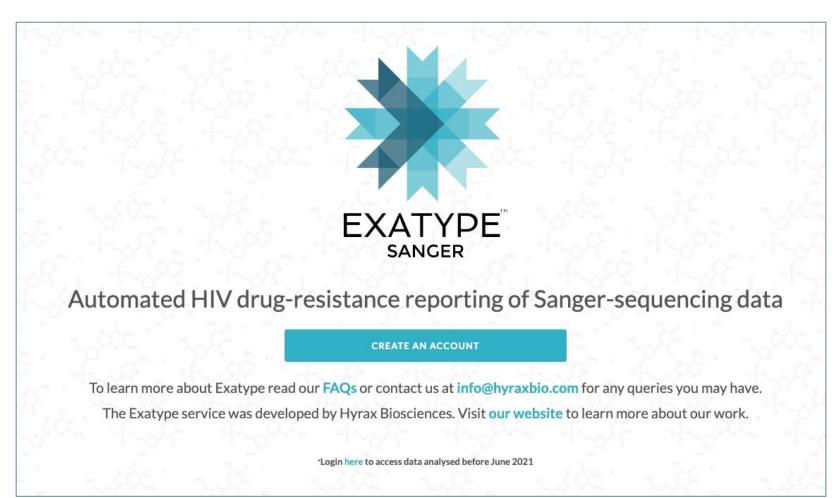


Peer-to-peer sharing

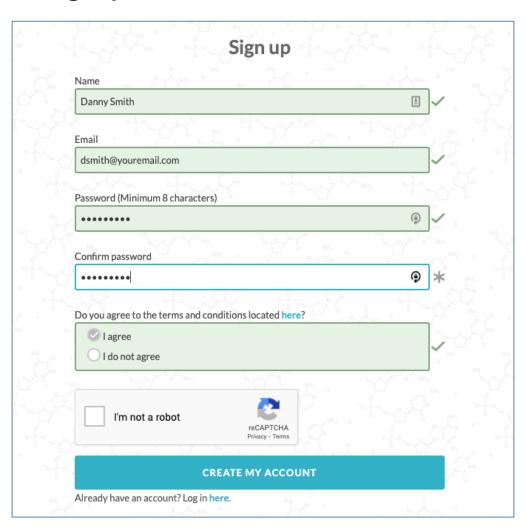
• Multiple users under a single organisation

²https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3372133/

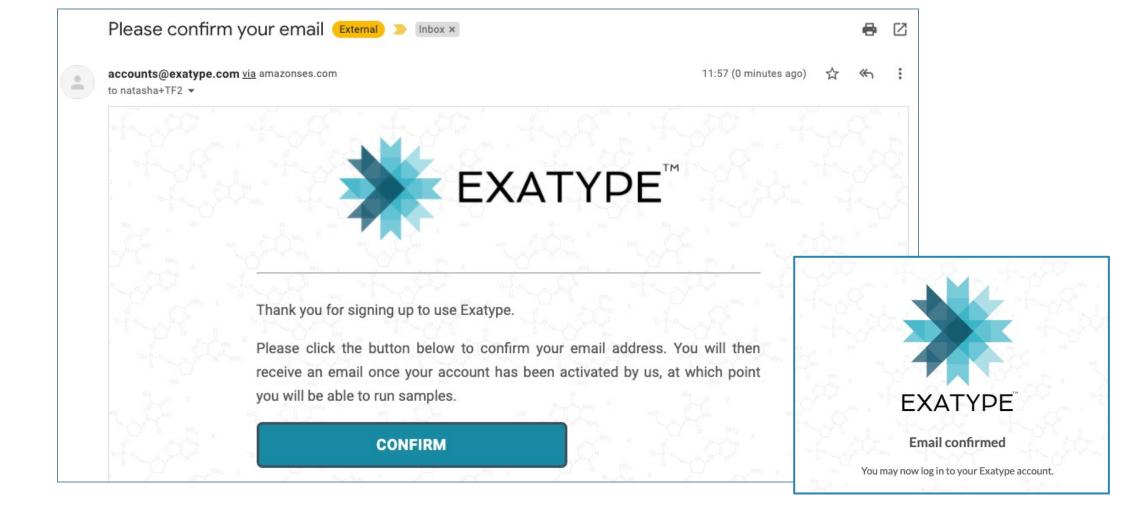
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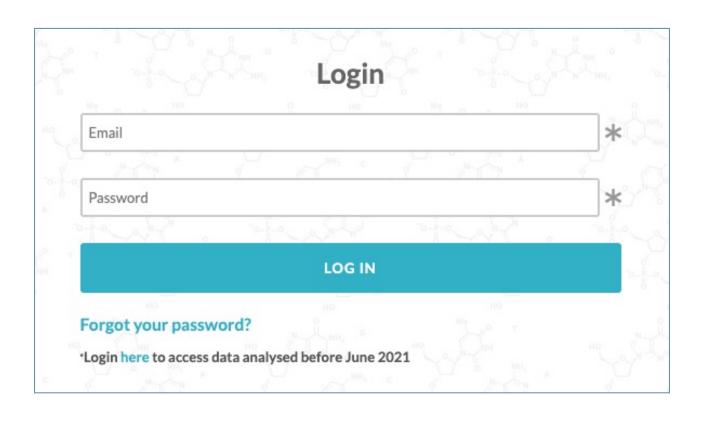
https://sanger.exatype.com/signup



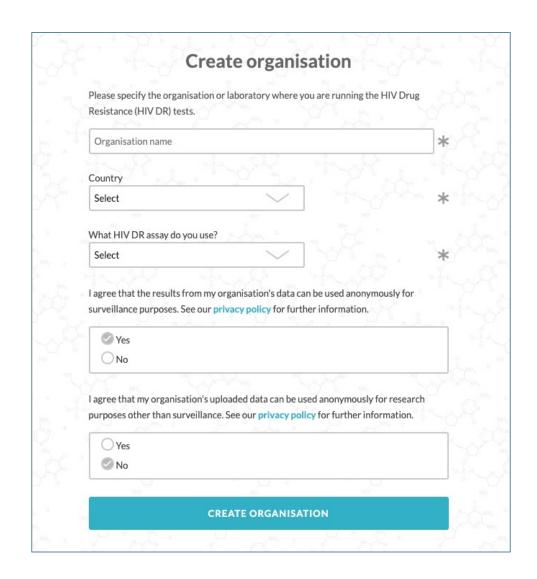
Your email account



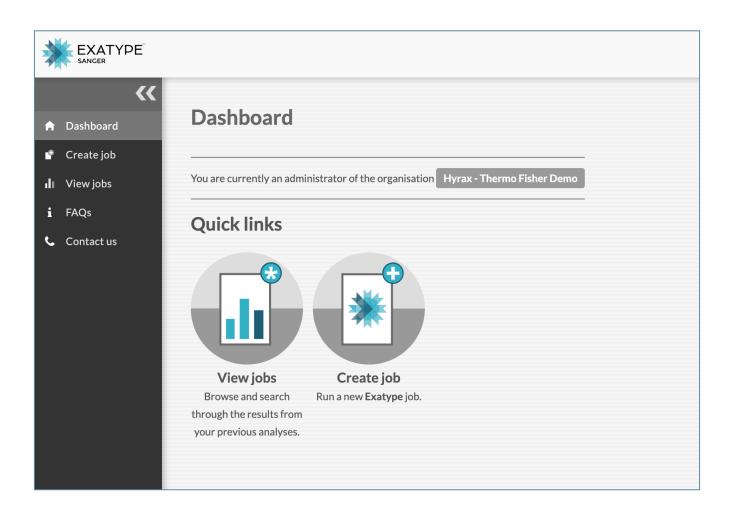
sanger.exatype.com/login

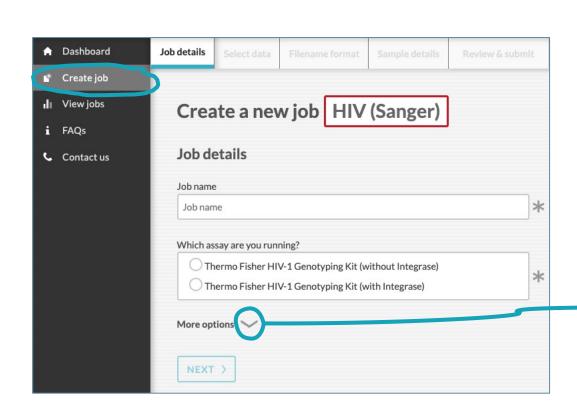


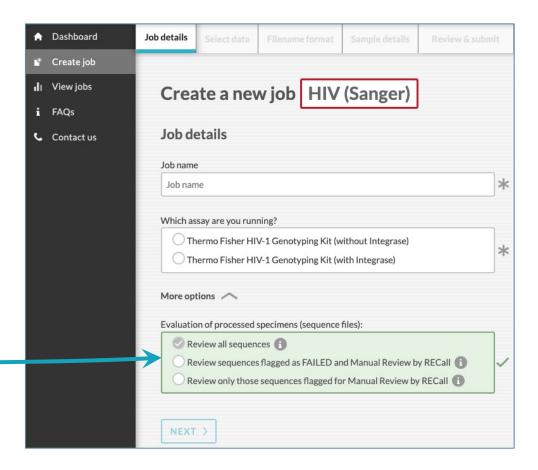
The first time you log in

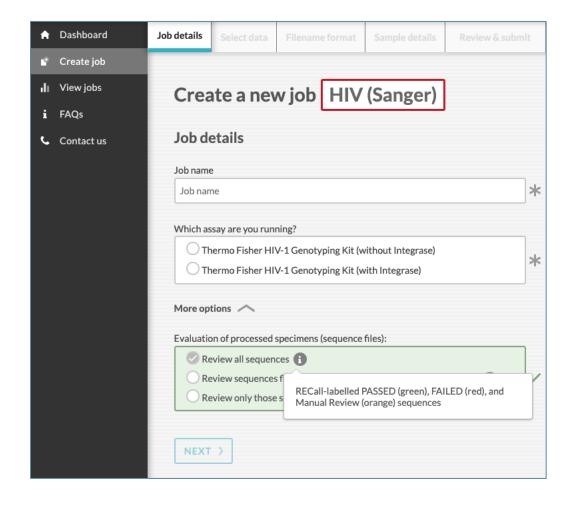


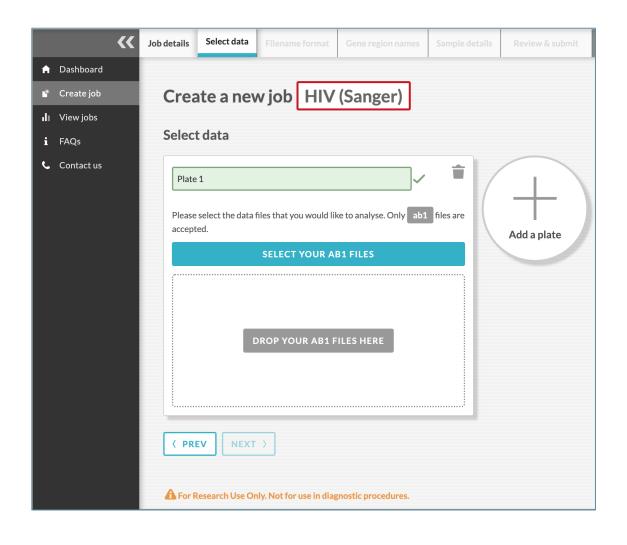
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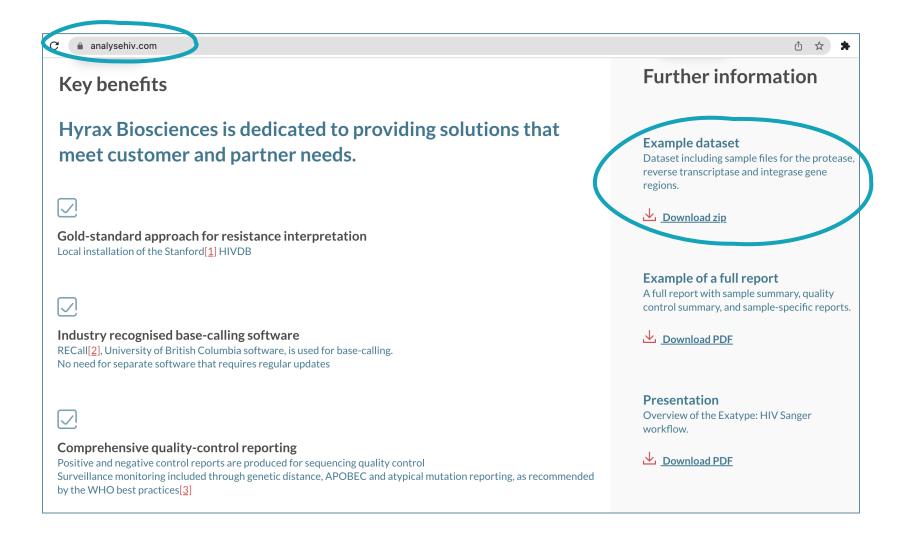


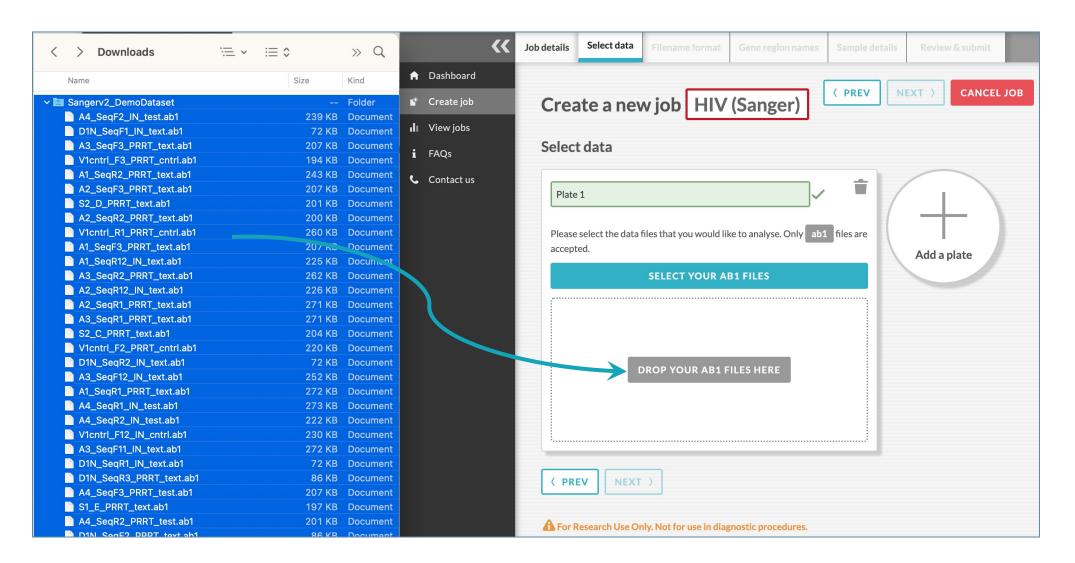


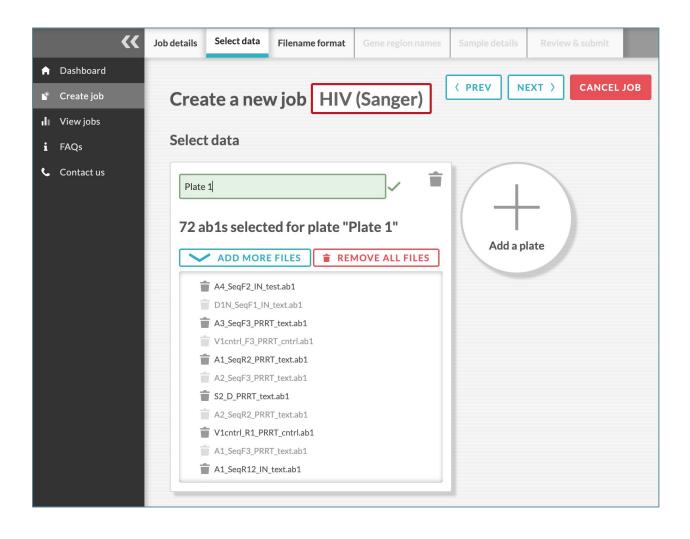


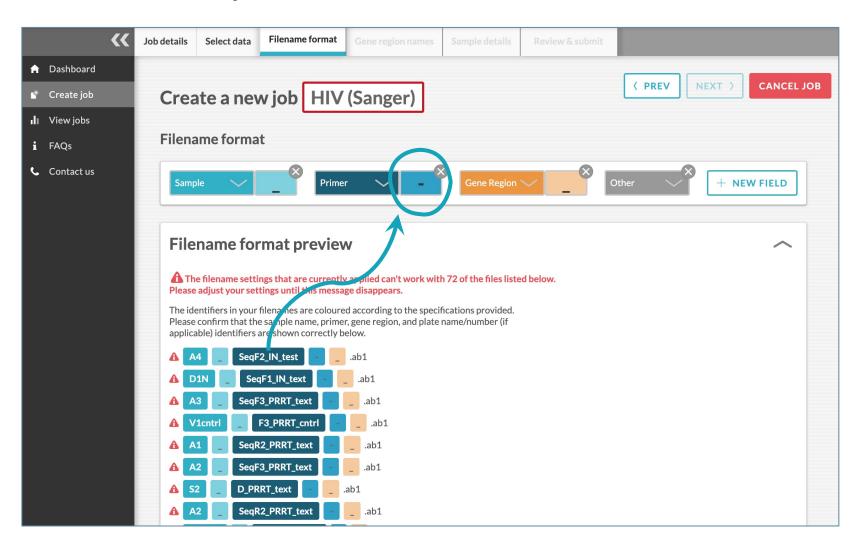


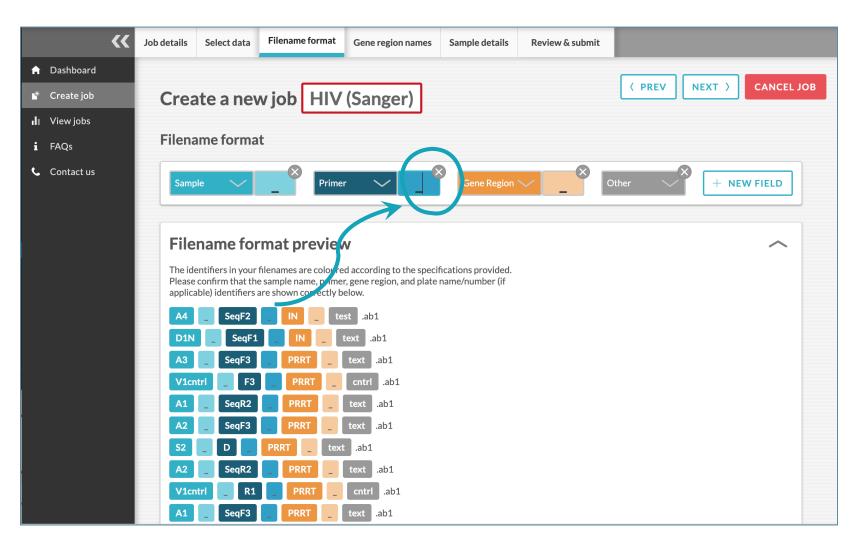


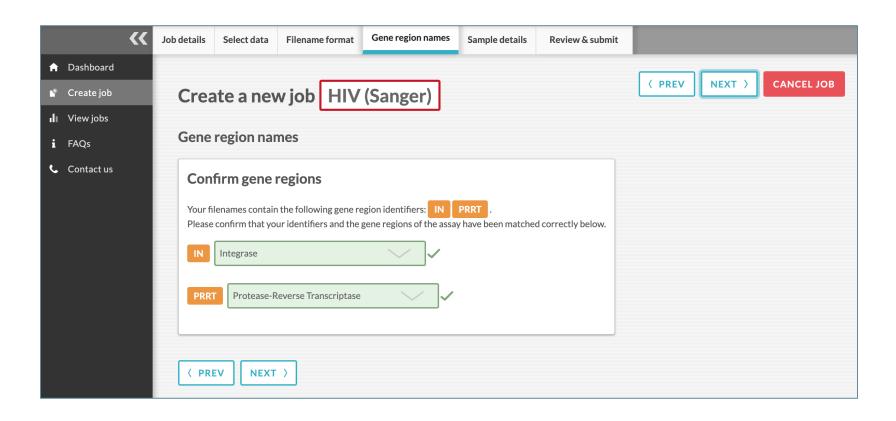


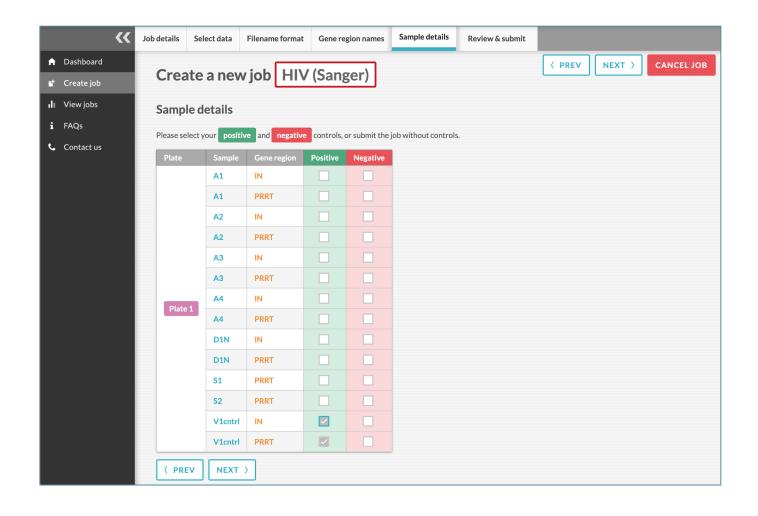


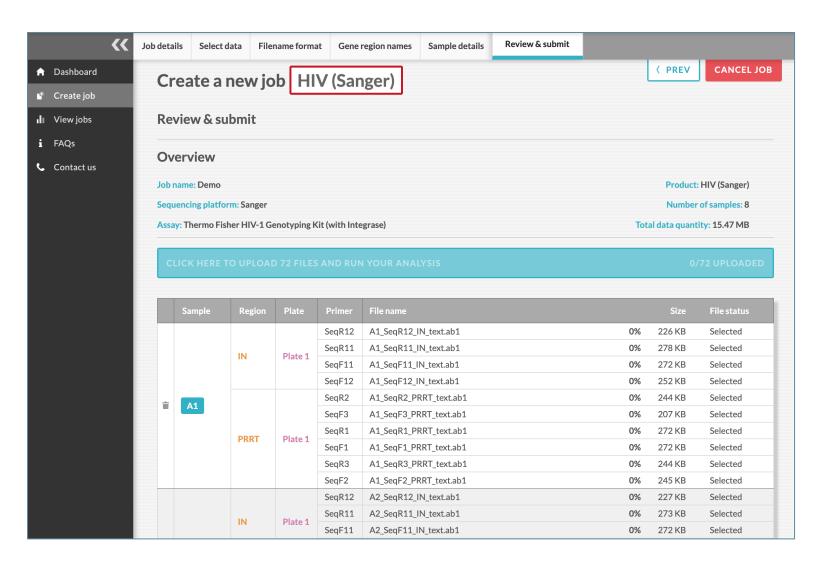


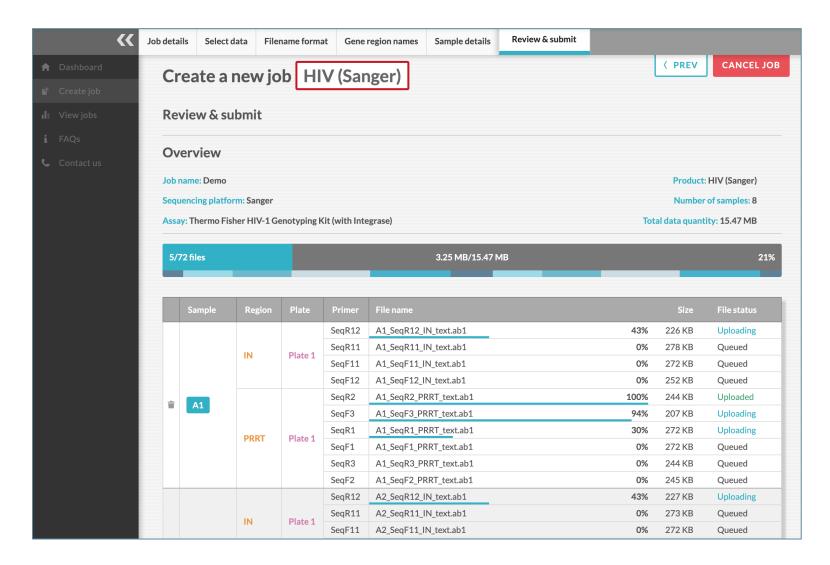


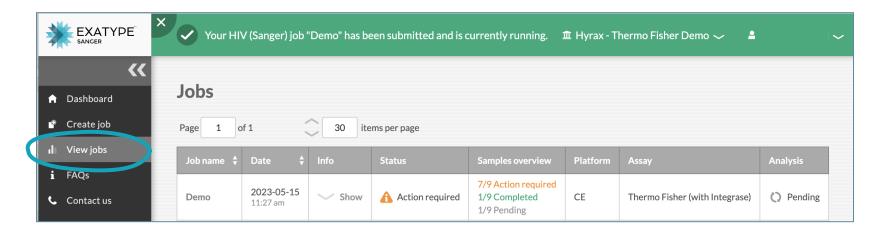


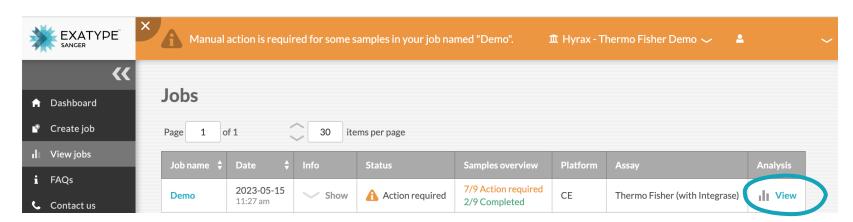


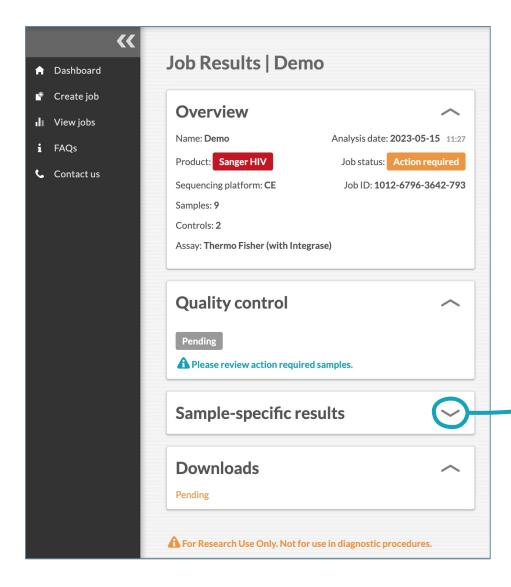


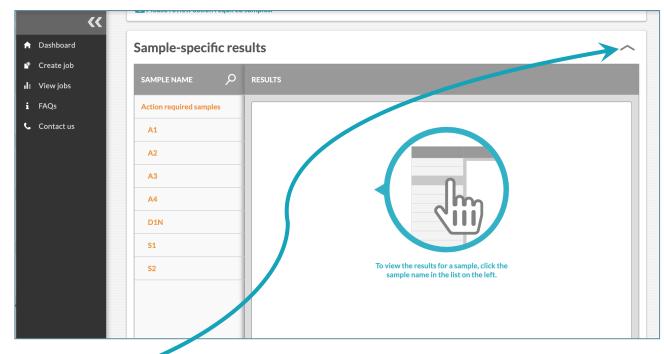




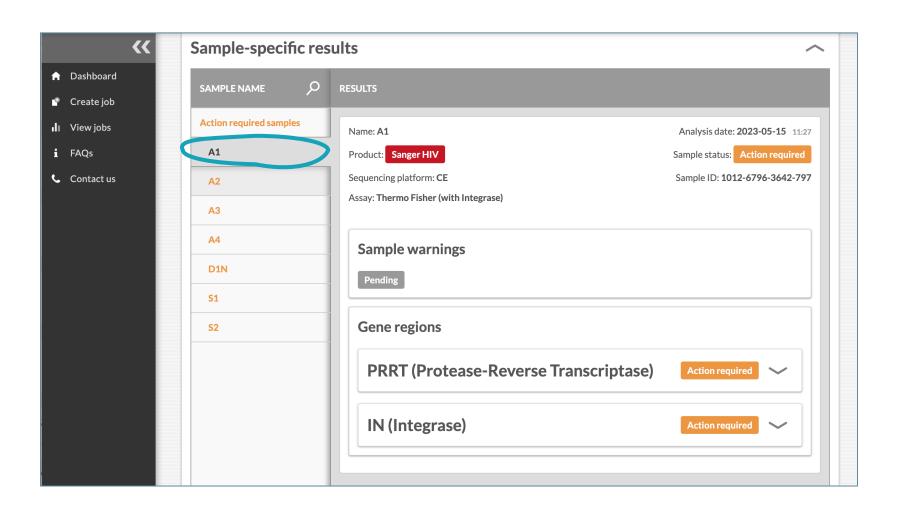




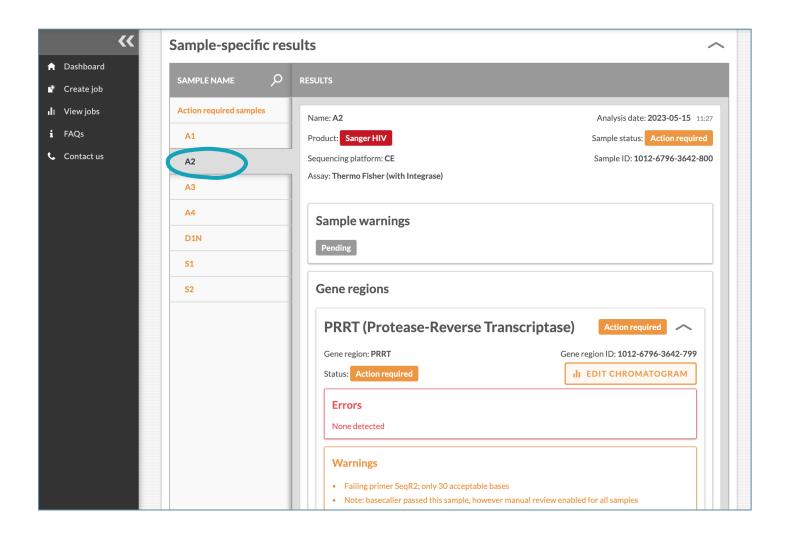


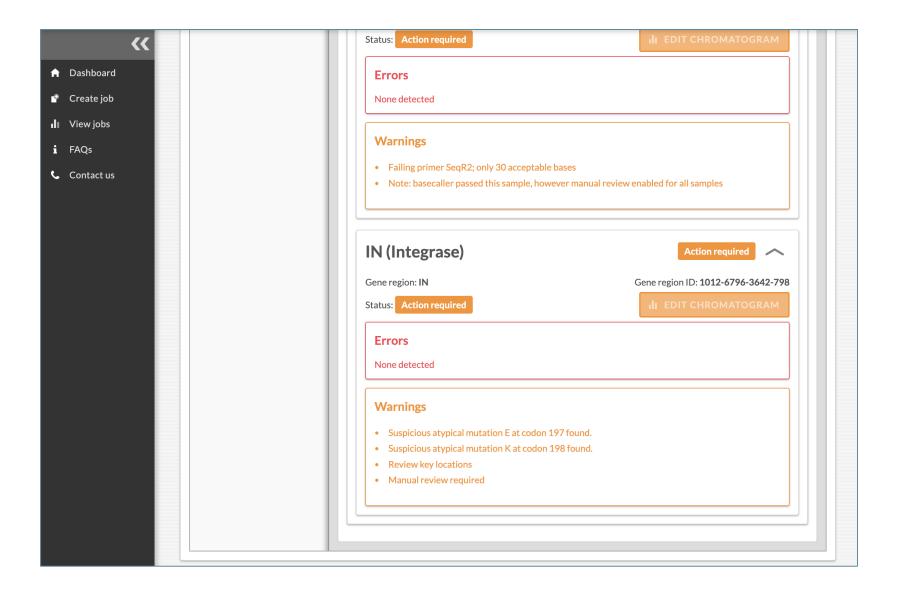


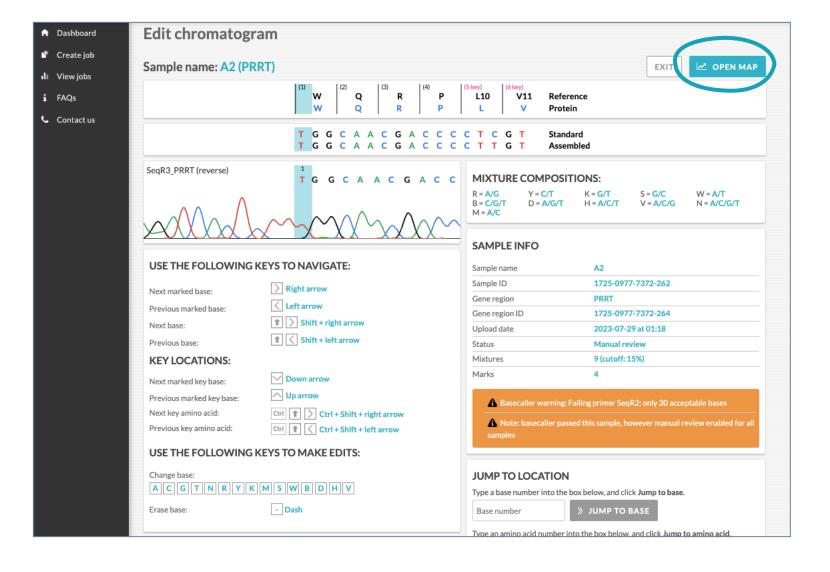
Once the first step completes, chromatogram review is required

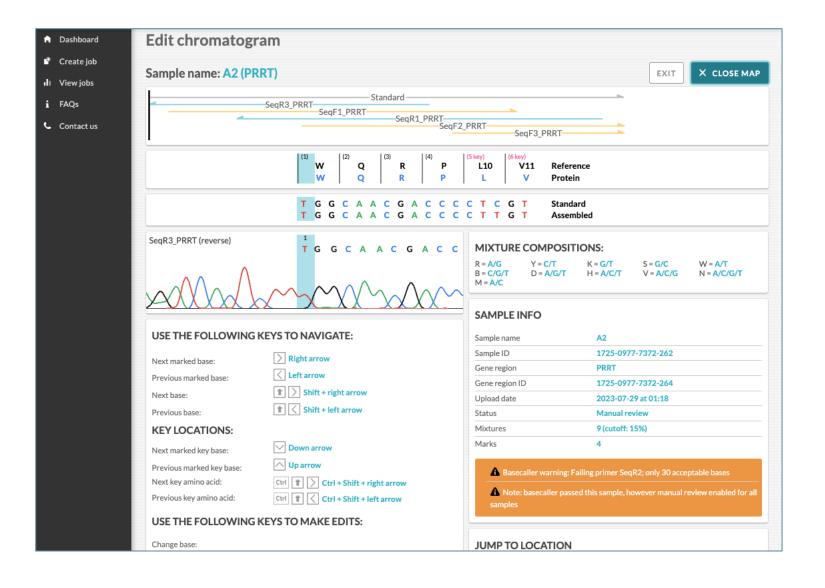


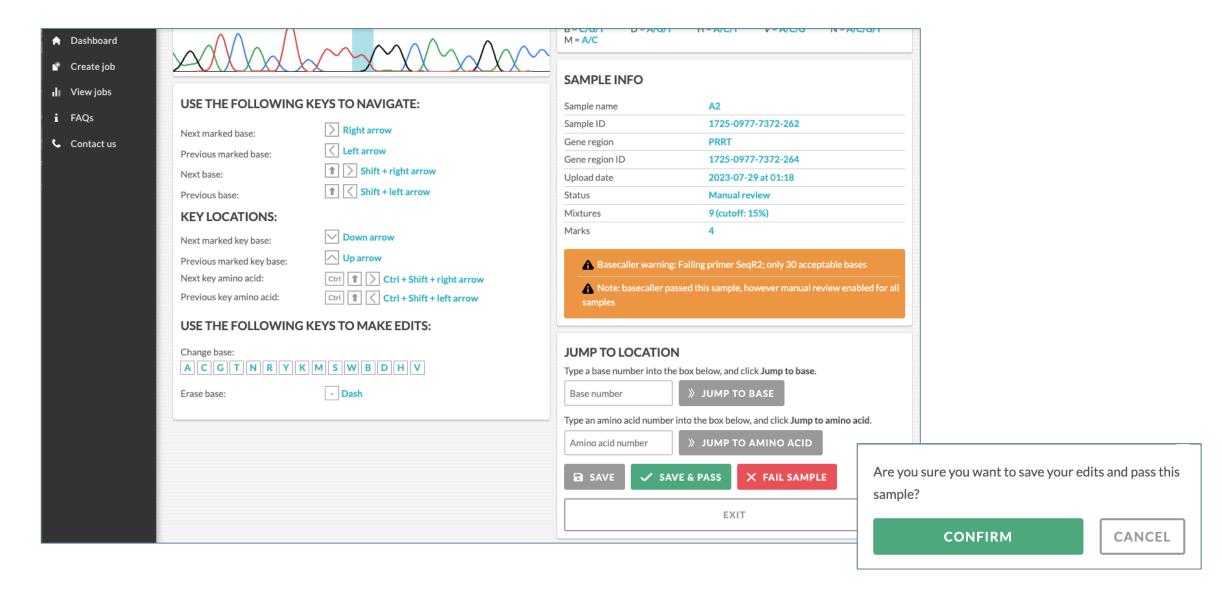
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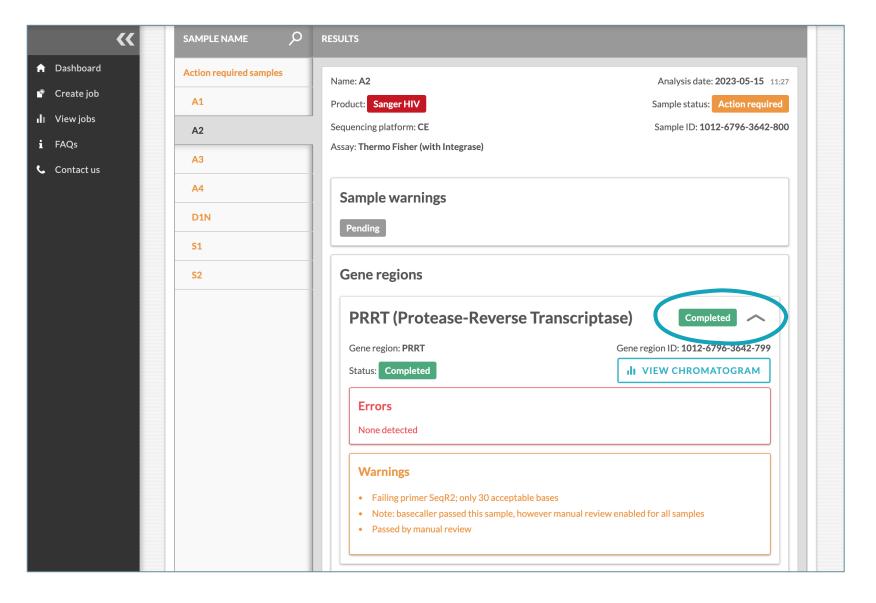


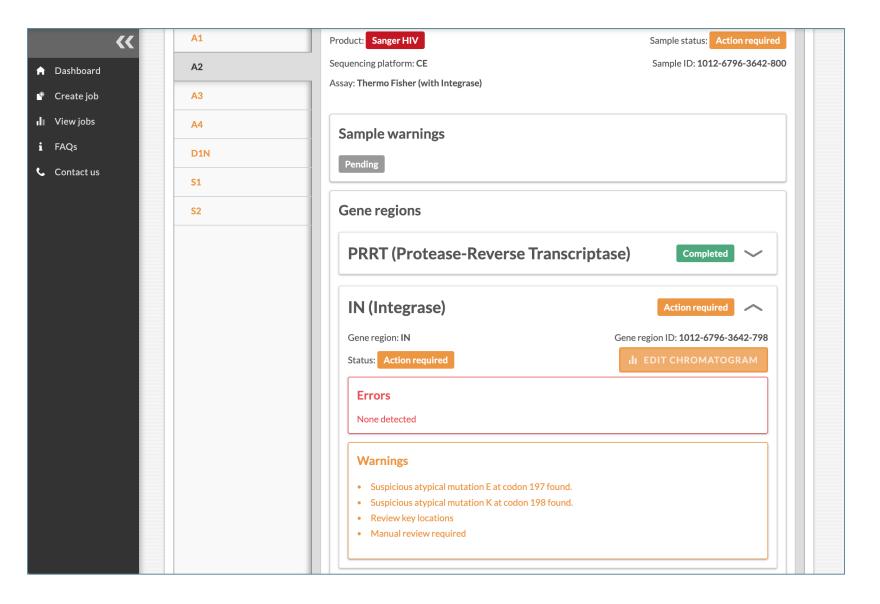


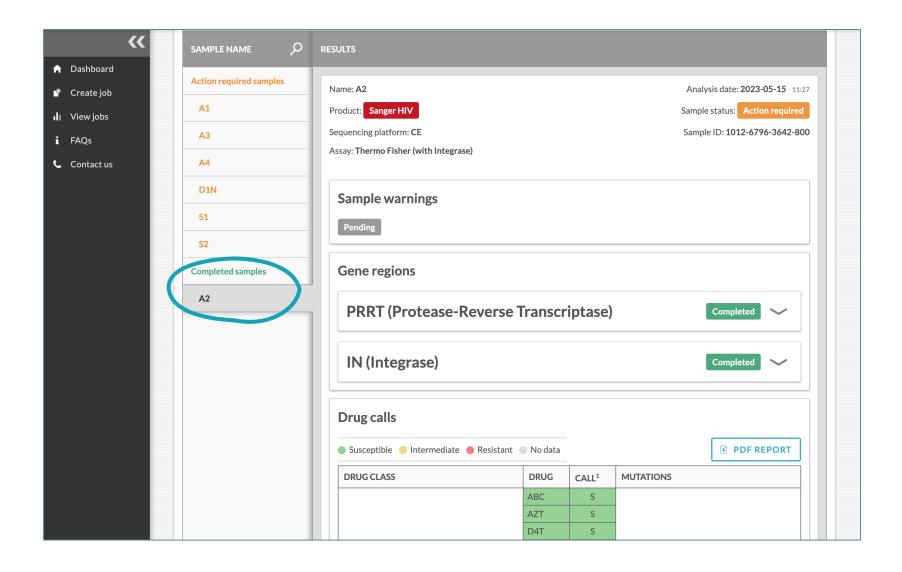


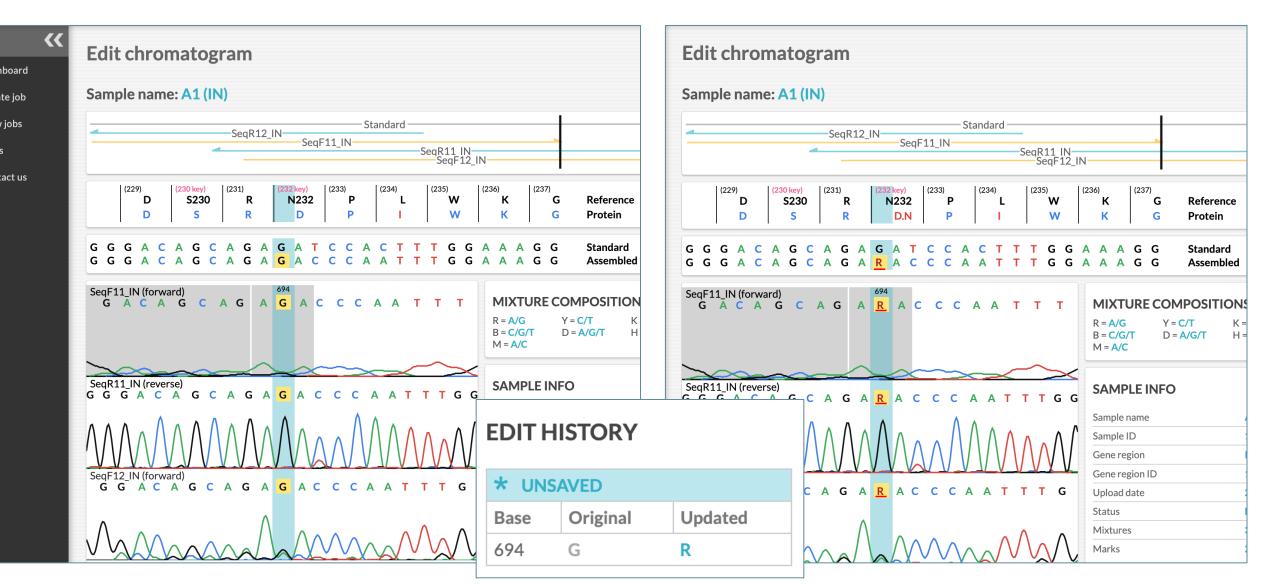


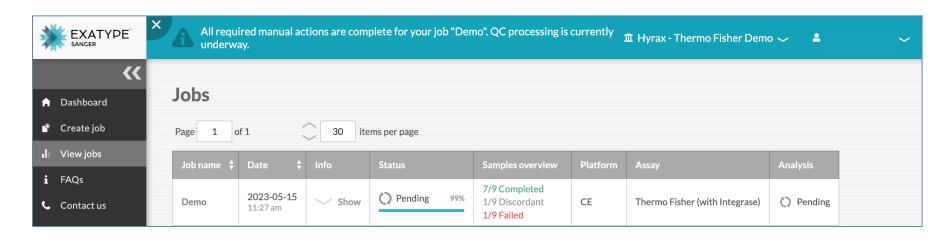


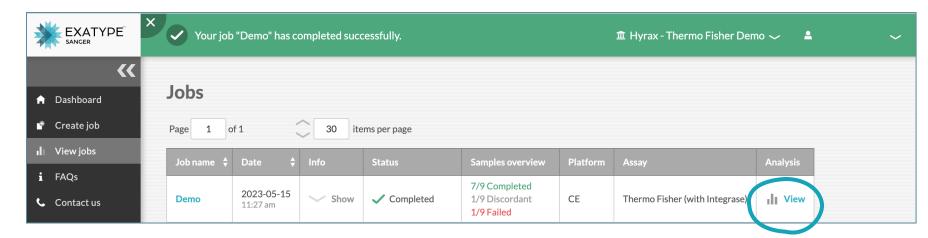


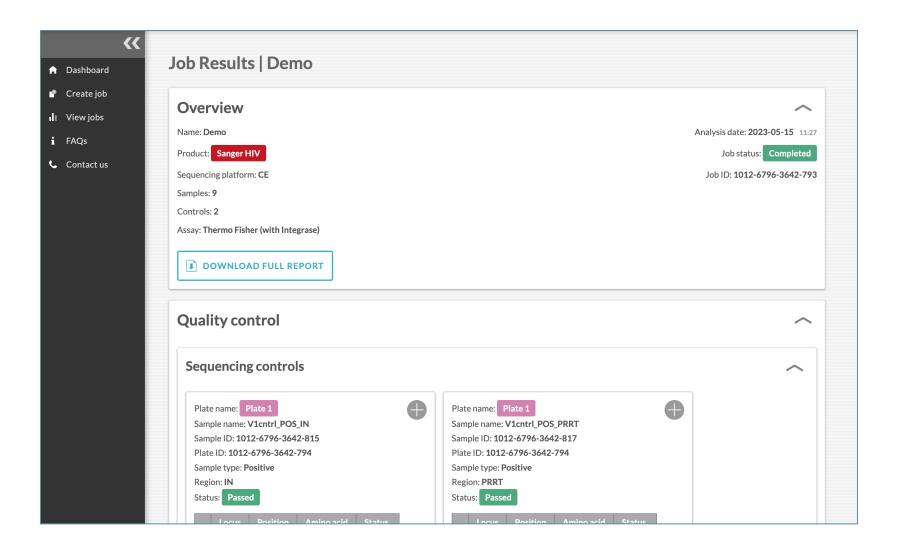


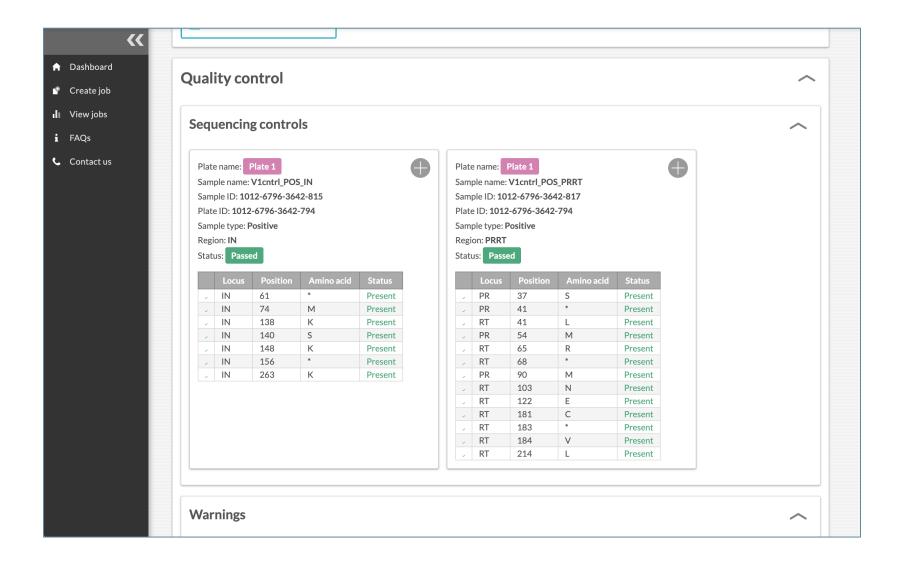


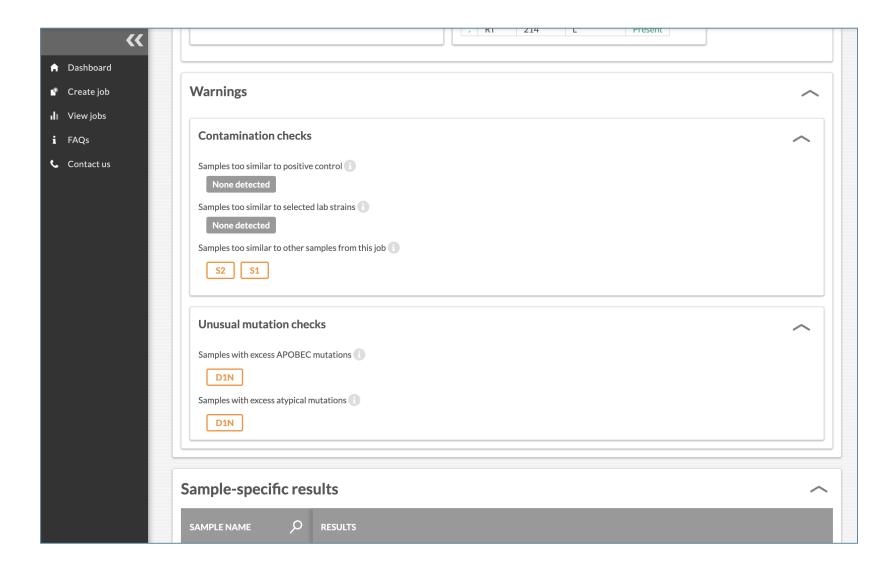


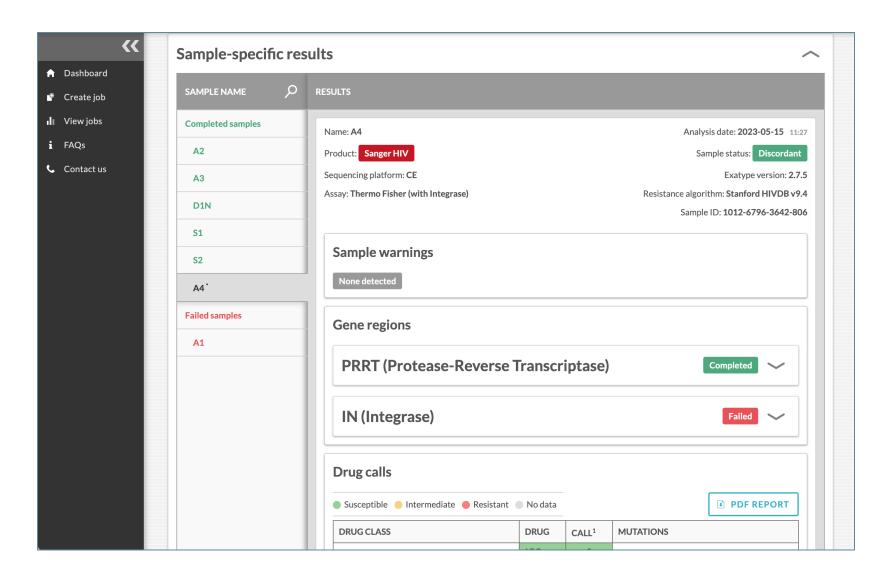


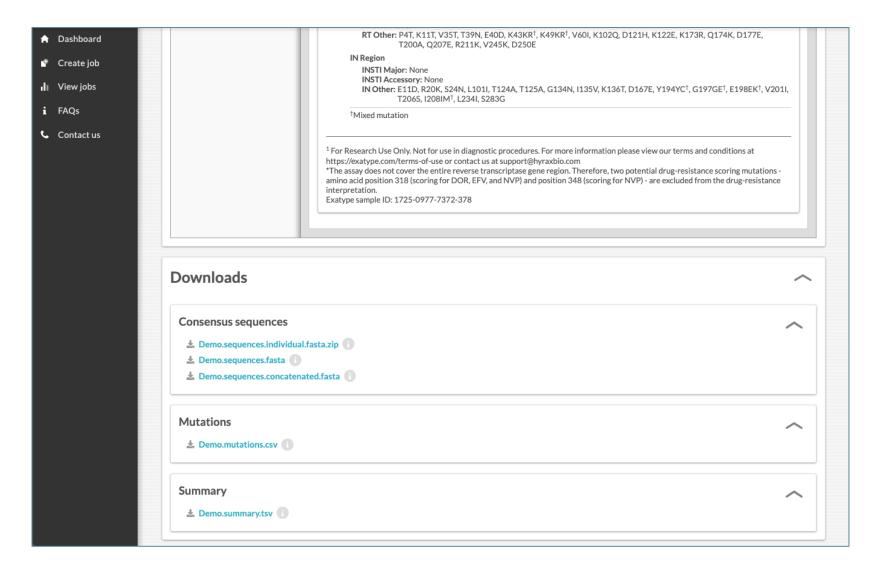






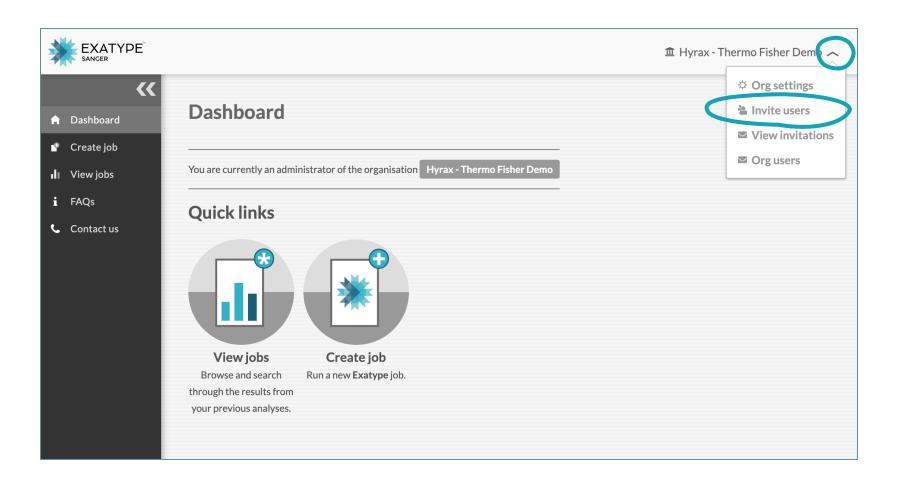




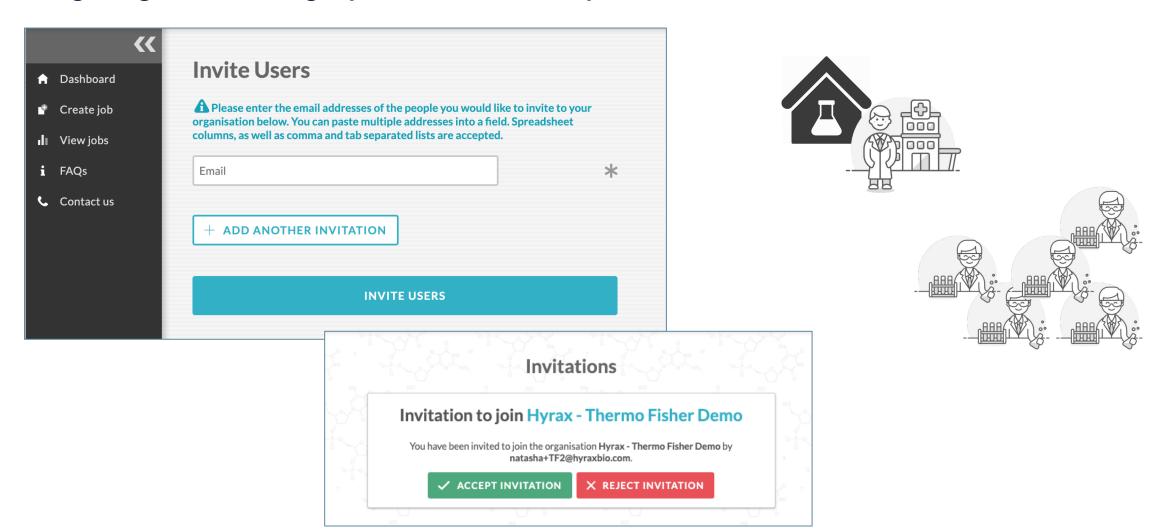


View all your analyses

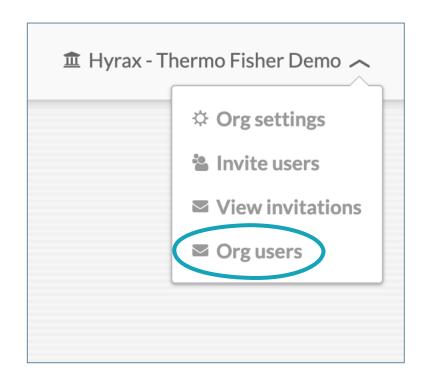
Single organisational signup/licence with multiple users

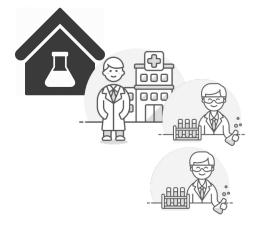


Single organisational signup/licence with multiple users



Single organisational signup/licence with multiple users







User role	Actions
Admin	DEMOTE TO STANDARD USER
Admin	DEMOTE TO STANDARD USER
Admin	DEMOTE TO STANDARD USER
Standard	PROMOTE TO ADMIN USER
Standard	PROMOTE TO ADMIN USER
Standard	PROMOTE TO ADMIN USER
Standard	PROMOTE TO ADMIN USER

https://exatype.com/faqs/sanger-hiv-thermofisher/



Exatype: HIV Sanger - FAQs

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