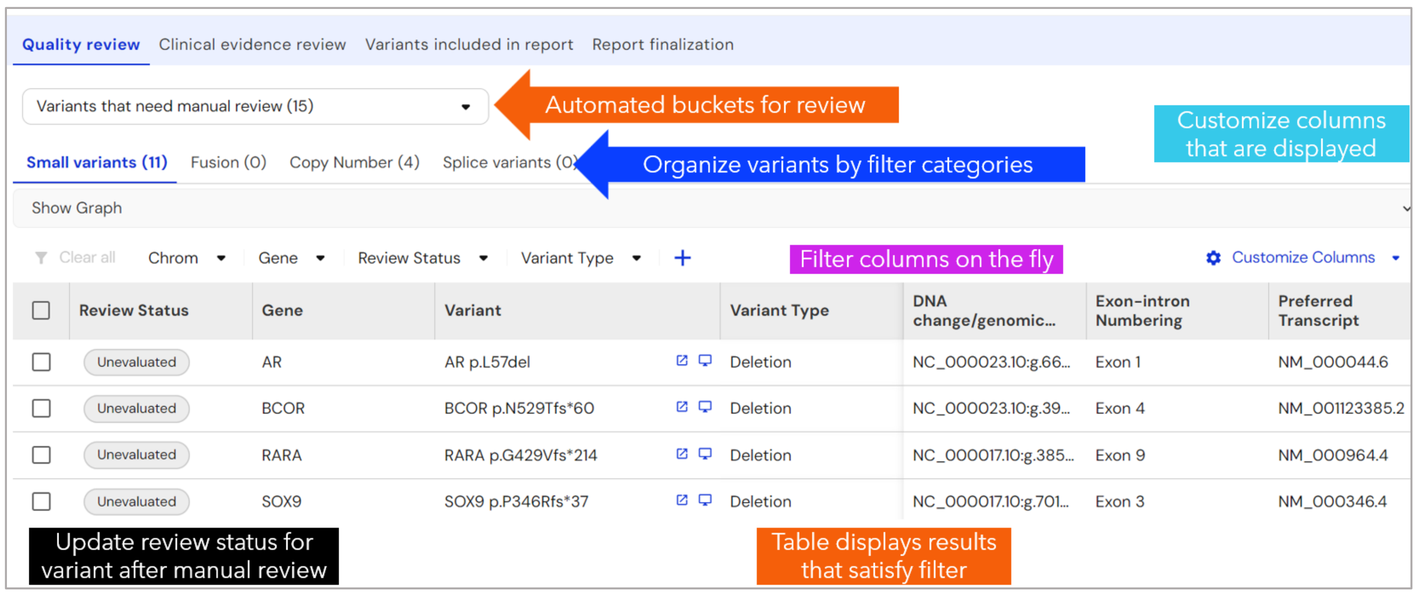
CGW Plus: A New Standard In Clinical Genomics Reporting

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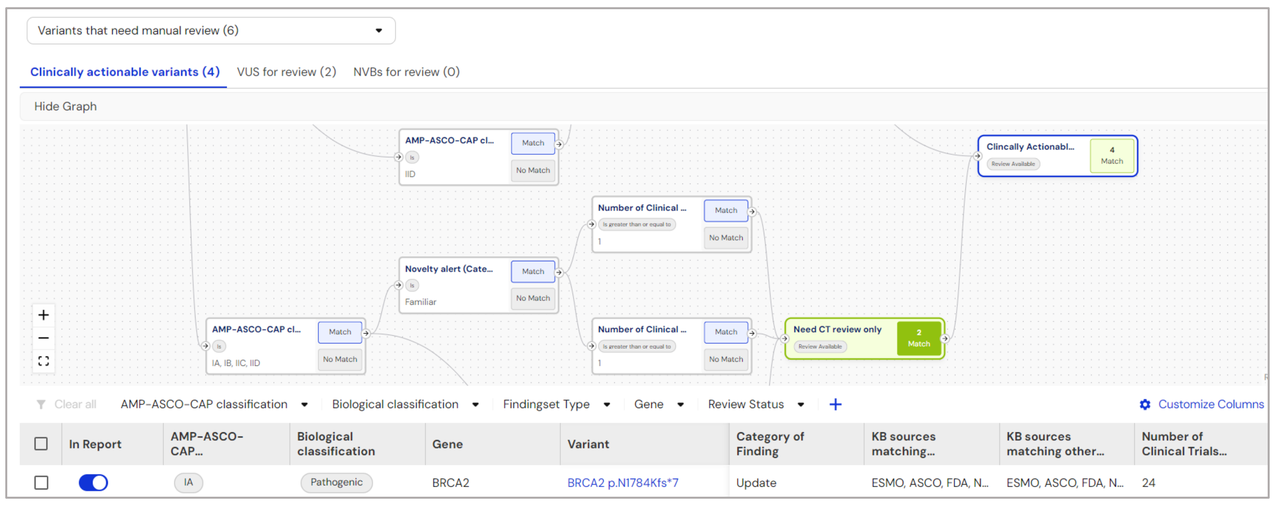
Introduction: Velsera has completely reimagined its established Clinical Genomics Workspace (CGW) Platform, based on a decade of customer use and feedback.

CGW Plus offers advanced variant quality and clinical evidence review workflows, as well as adaptive learning and memory features. CGW Plus is designed to simplify and accelerate the analysis and reporting of genomic sequence data for clinical laboratory professionals, by enabling your team to focus on delivering the best patient care possible. The platform is designed to save your team time without compromising on clinical quality.





Variant Quality and Clinical Evidence Review, with Visual Filters
CGW Plus offers a guided workflow to automate most variant quality triage and draws your attention to the most challenging variants that may hold clinical significance. Variant quality is reviewed using pre-designated filters that align with your assay's analytic validation performance characteristics.



Focus your attention where it is most needed

- Alert user when KB is updated
- Flag variants for review based on quality and clinical evidence
- Facilitate triage of VUS by incorporating variant pathogenicity and function information

Customizable / Automatable Quality and Clinical Evidence Workflows

- Retain and reuse your past decisions for faster, more consistent reporting
- Report consistently and quickly with streamlined filtering on quality and clinical evidence
- Set preferences and customizations at panel level

Smart Knowledgebase and Better Draft Report

- Content for TMB/MSI in KB
- Content for co-occurring variants in KB
- Content from a comprehensive KB to create system-generated interpretations

Triage of Variants of Unknown Significance with Clinical Evidence Sources
Variants that lack clear clinical significance are presented for further review, and available evidence from many sources (at left) is displayed for rapid assessment around variant pathogenicity and function. These sources can be used to identify biologically or functionally meaningful variants that may have clinical meaning as well (oncogenes, tumor suppressor genes, GOF/LOF, and population frequency). CGW's guided workflow ensures that the appropriate variants are included in the final report.

Curated Content
Filter variants by whether they have in/out of disease guidelines

Filter by specific data source (NCCN/ASCO/FDA/EMA/ESMO /PubMed/Clinical trials)

ClinVar
ClinVar Records matching g or p syntax and link-outs.

Interpretations, number of submissions, Review status, Gold stars.

External Sources
COSMIC (Recurrence, COSVID and Link-outs)

GnomAD population frequencies (Total and ethnic)

In-Silico Algorithms (SIFT/Mutation tester/Mutation assessor/FATHMM)

Biological Classification
Loss of Function (Yes/No).

Oncogene/Tumor Suppressor Gene designation.

System inferred classification and reasoning

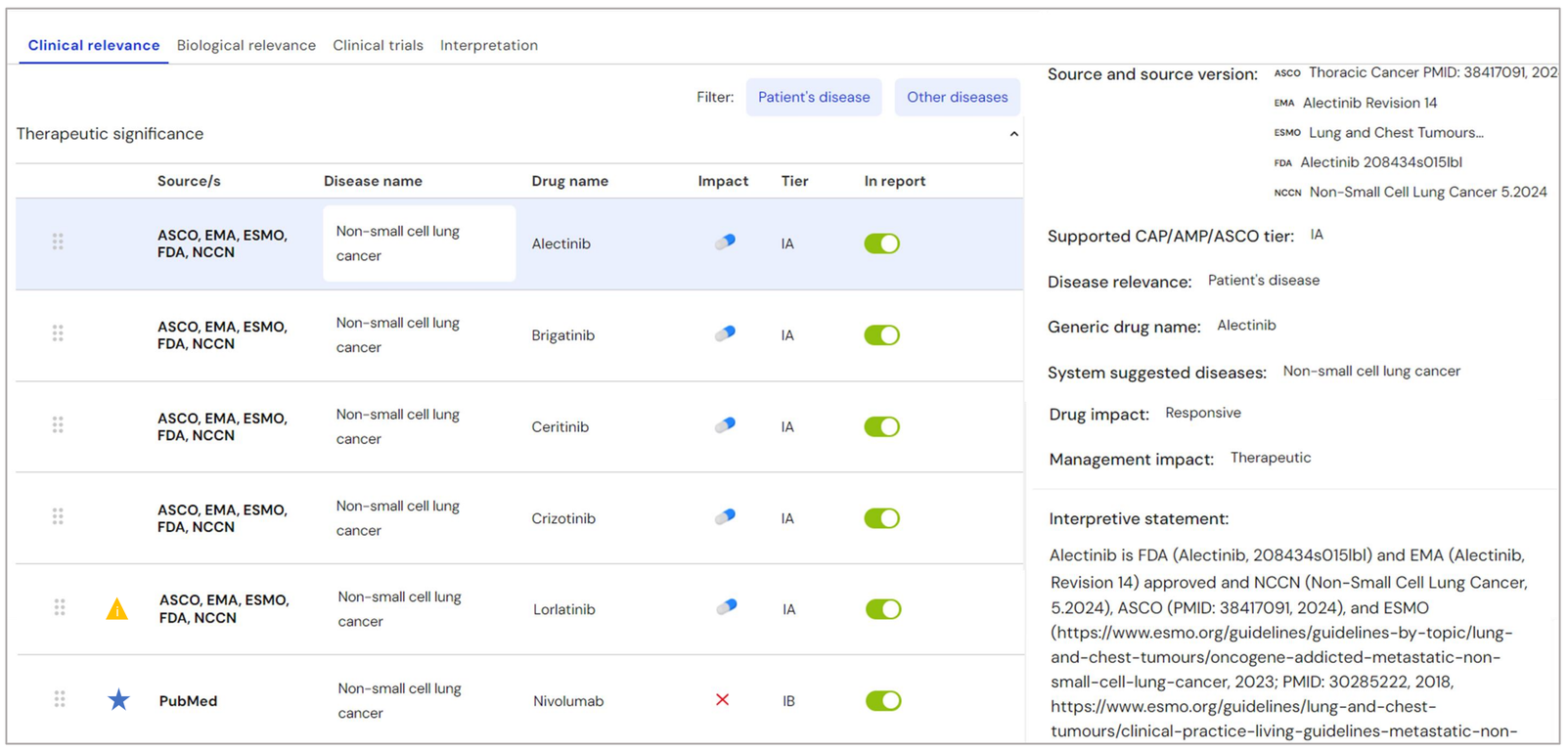
Alerts when the KB is updated for a variant, making it easy to spot new content for review.

IA	KRAS p.G12C	Update		Unevaluated
IA	Altered transcript in *MET*	Novel		Unevaluated
IA	*EML4-ALK* fusion transcript	Familiar		Unevaluated
IB	KRAS p.G12C + TP53 p.R248W	Familiar		Reviewed

Update: New or changed evidence available since your previous review in this disease context.
Novel: Not previously reviewed in this disease context.
Familiar: No update to the evidence since your last review in this disease context.

Detailed Clinical Evidence Review and Interpretation

- Powerful and flexible variant table view, equipping laboratory staff to rapidly review and triage variants.
- Sources can be configured to account for regional preferences (US vs European sources), and clinical trial matching can account for location.
- Reporting content is easy to customize, and reporting decisions can be remembered for the next time a biomarker is seen in a given disease.
- Clinical evidence from the Knowledgebase, including approved and emerging therapies, prognostic and diagnostic associations, and clinical trials, can be selected or deselected for inclusion in the clinical report.
- Interpretation text is automatically drafted based on your selections.
- Report PDF updates dynamically and can be viewed in the UI as you finalize the report content.



Services
Velsera's suite of comprehensive clinical services are available to CGW Plus customers. The service offerings include:

- Validation Services
- Interpretation Services
- Medical Director Sign-Out
- Revenue Cycle Management (RCM)
- Many others to support clinical laboratory workflows

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