

Take Control of Large Datasets with Geneious

Clustering, filtering, and visualizing data are key elements in leveraging large NGS antibody discovery datasets. Geneious Biologics equips you with the ability to filter and group sequences according to your specific requirements.

Select the sequences that matter

Geneious Biologics comes with a customizable system for filtering data that gives you the ability to assess whether a sequence is suitable for further research. Assign common sequence attributes with asset and liability scores and Geneious Biologics will use this information to create exportable tables and graphs allowing you to quickly gauge a sequence's potential.

Name	Chain	Fully Annotated	In Frame & Fully Annotated	Without Stop Codons & In Frame & Fully Annotated	Sequence Length	Score	Error	Heavy F1T
ENKNDK001-10C1	Heavy	Yes	Yes	Yes	289	-351		DNALMSPKLNKLPKQSLDELEITVA
ENKNDK001-10C2	Heavy	Yes	Yes	Yes	424	-621		DNALMSPKLNKLPKQSLDELEITVA
ENKNDK001-10C3	Heavy	Yes	Yes	Yes	289	-351		EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C4	Heavy	Yes	Yes	Yes	413	-612		EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C5	Heavy	Yes	Yes	Yes	454	-342		EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C6	Heavy	Yes	Yes	Yes	393	-313		EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C7	Heavy	Yes	Yes	Yes	389	-357		QALGDSKALNPKPQSLDELEITVA
ENKNDK001-10C8	Heavy	Yes	Yes	Yes	403	-423		QALGDSKALNPKPQSLDELEITVA
ENKNDK001-10C9	Heavy	Yes	Yes	Yes	401	-381		EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C10	Heavy	Yes	Yes	Yes	410	-1030	Likely Repeating Error (NDRPESD04 1.5)	DPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C11	Heavy	Yes	Yes	Yes	392	-482		QALGDSKALNPKPQSLDELEITVA
ENKNDK001-10C12	Unannotated	No	No	No	48			QALGDSKALNPKPQSLDELEITVA
ENKNDK001-10C13	Heavy	Yes	Yes	Yes	407	-453		EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C14	Heavy	Yes	Yes	Yes	395	-481		EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C15	Heavy	Yes	Yes	Yes	395	-412		EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C16	Heavy	Yes	Yes	Yes	395	-412		EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C17	Heavy	Yes	Yes	Yes	413	-391		EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C18	Heavy	Yes	Yes	Yes	407	-432		EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C19	Heavy	Yes	Yes	Yes	395	-412		EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C20	Heavy	No	No	No	81	-1423	Likely Repeating Error (NDRPESD04 1.4)	EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C21	Heavy	No	No	No	81	-1219	Not Fully Annotated	EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C22	Heavy	Yes	Yes	Yes	385	-351		EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C23	Heavy	Yes	Yes	Yes	395	-382		QALGDSKALNPKPQSLDELEITVA
ENKNDK001-10C24	Heavy	Yes	Yes	Yes	404	-371		QALGDSKALNPKPQSLDELEITVA
ENKNDK001-10C25	Heavy	Yes	Yes	Yes	389	-353		QALGDSKALNPKPQSLDELEITVA
ENKNDK001-10C26	Heavy	Yes	Yes	Yes	395	-413		EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C27	Heavy	Yes	Yes	Yes	401	-413		EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C28	Unannotated	No	No	No	17			EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C29	Heavy	Yes	Yes	Yes	392	-421		EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C30	Heavy	Yes	Yes	Yes	395	-421		EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C31	Unannotated	No	No	No	47			EPLVLESDPFLKLPKQSLDELEITVA
ENKNDK001-10C32	Heavy	Yes	Yes	Yes	392	-219		QALGDSKALNPKPQSLDELEITVA

Link assay & sequence data

Important information from assays can be linked directly to sequences by uploading CSV or Excel documents. This means that you no longer need to rely on disparate spreadsheets and important information is stored in the same location, giving you a more complete picture.

Focus on areas of interest

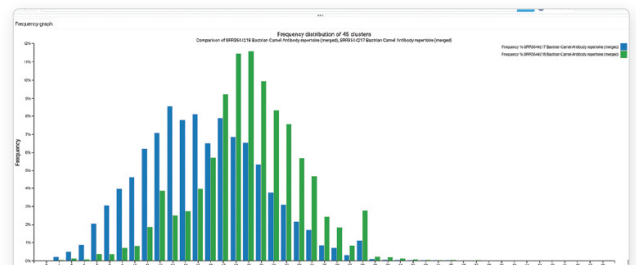
Choose how to cluster data according to your preferences and regions of interest, and Geneious Biologics will quickly generate tables. Reclustering allows you to adjust similarity thresholds.

Efficiently compare clusters

Compare sequences from multiple experiments within Geneious Biologics and minimize the risk of missing vital differences. Geneious Biologics generates graphs for easy reference helping you to visualize trends.

Identify unique candidates

Search for selected candidates amongst your curated organization-wide collections to find out whether your team has seen a similar antibody before. Record matches and enhance your collections with notes and assay information.



Enhance your workflow

Geneious provides powerful bioinformatic tools that have been developed using years of experience and expertise, speeding up the process of finding the next star candidate.

Geneious equips R&D teams with a robust and secure sequence management and analysis system that will organize and consolidate high throughput data, even as more data is created, so time isn't wasted and files aren't lost.

- Significantly speed up candidate selection
- Easily configure and enhance existing systems
- Reduce human error
- Consolidate data in a secure and shareable environment
- Create opportunities and gain valuable insights from your datasets, regardless of size
- Scalable and reliable IT infrastructure for a fraction of the cost



“Geneious Biologics allows us to drill into huge antibody sequence sets and quickly identify where errors lie and inspect bad clones. This will ensure we return the most effective, stable therapeutic antibody candidates to our clients, faster.”

Daniela Teixeira, COO at FairJourney Biologics



Collaborate

Get the right information at the right time with a central database searchable across the organization.



Scale

Scale up quickly and efficiently, with additional capacity delivered on demand.



Configure

Enhance existing workflows with an advanced API and a highly configurable system. Assign users according to their role.



Compete

Innovate faster with large scale computational analysis in the cloud.

“IONTAS had a requirement for processing large quantities of data from both our service based antibody discovery projects and our internal developments. The collaboration has been close and resulted in Geneious Biologics delivering a software solution that has significantly improved the efficiency and scope of our sequence analysis workflows during therapeutic antibody discovery.”

Peter Slavny, Group Leader at IONTAS