

Q4 2022: What's new in Selector (Reagents and model systems)

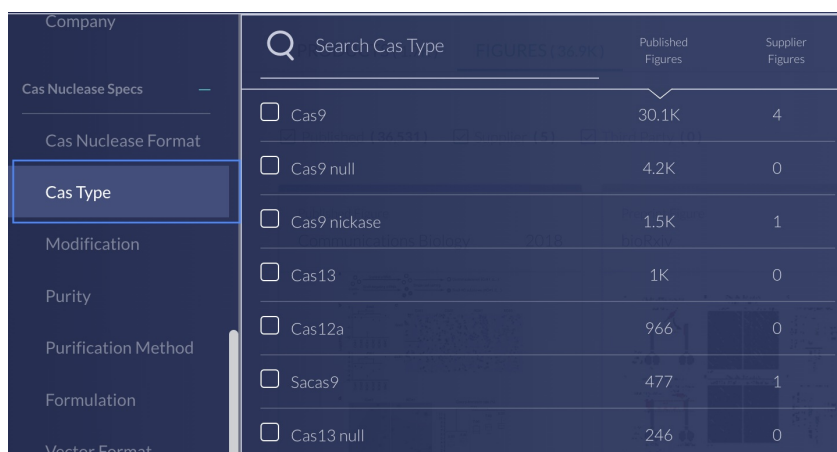
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We are excited to announce new enhancements on the platform between October and December 2022

Over the past three months, we've added data from over **6.3 million experiments** and **367,000 products** across all reagent and model system types. Other notable updates include:

1. Improved visibility of Cas nuclease usage from publication-derived data

In addition to viewing data for commercially available Cas nuclease products, we've improved our technology to detect Cas nuclease usage from the literature. Applying the *Cas Type* filter now reveals results for both commercially available Cas nuclease products and results for custom in-house generated Cas nucleases.



The screenshot shows the Selector platform interface. On the left is a sidebar with a list of filters: Company, Cas Nuclease Specs, Cas Nuclease Format, Cas Type (highlighted with a blue border), Modification, Purity, Purification Method, Formulation, and Vector Format. The main panel features a search bar labeled 'Search Cas Type' and a table with columns for 'Published Figures' and 'Supplier Figures'. The table lists several Cas nuclease products with their respective counts.

	Published Figures	Supplier Figures
☐ Cas9	30.1K	4
☐ Cas9 null	4.2K	0
☐ Cas9 nickase	1.5K	1
☐ Cas13	1K	0
☐ Cas12a	966	0
☐ Sacas9	477	1
☐ Cas13 null	246	0

2. More data for xenograft, patient-derived xenograft, and allograft animal models

Grafting models are often used in oncology research to introduce a donor tissue or cell line into a mouse model, to study downstream disease phenotypes. We surface literature-mined grafting models through a specific set of **application** names: xenograft, patient-derived xenograft, and allograft. We recently improved our algorithms to detect more data from the literature for these applications to empower scientists with more information as they are reviewing which animal models to use.

