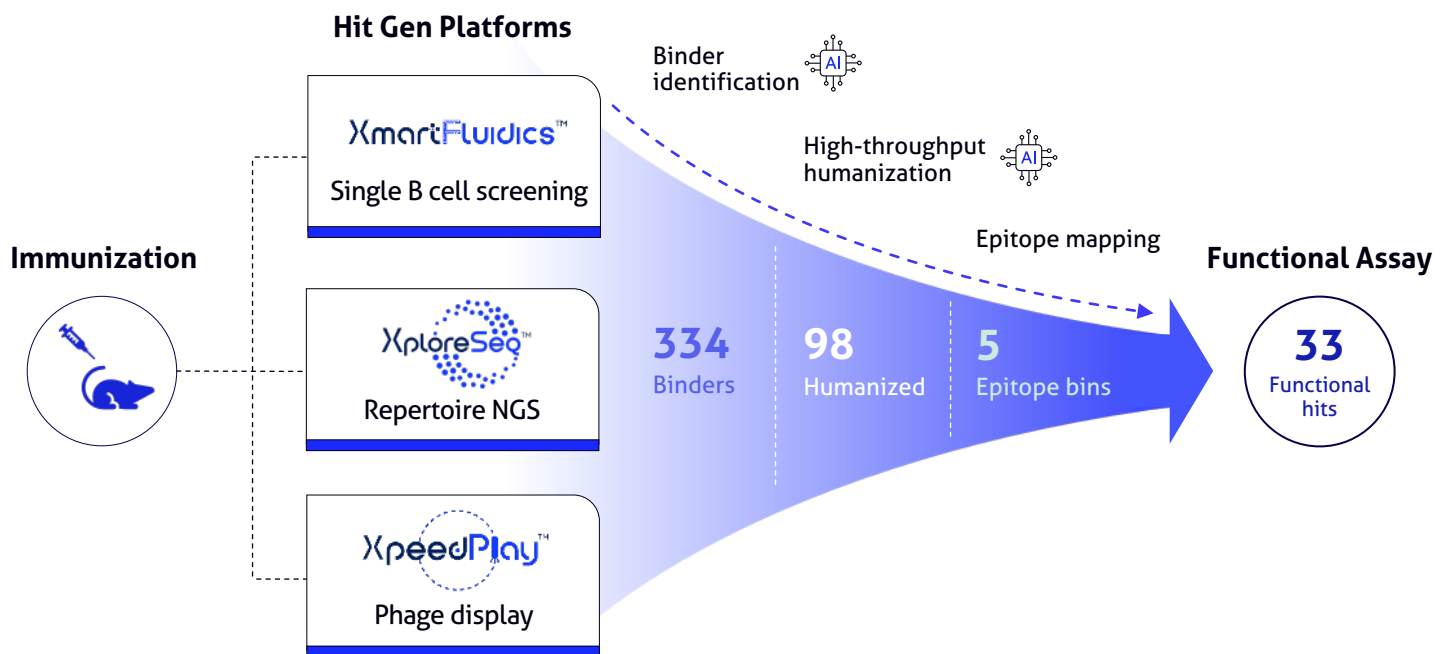


3-in-1 Integrated Antibody Discovery

Identify diverse, functional, developable & humanized hits

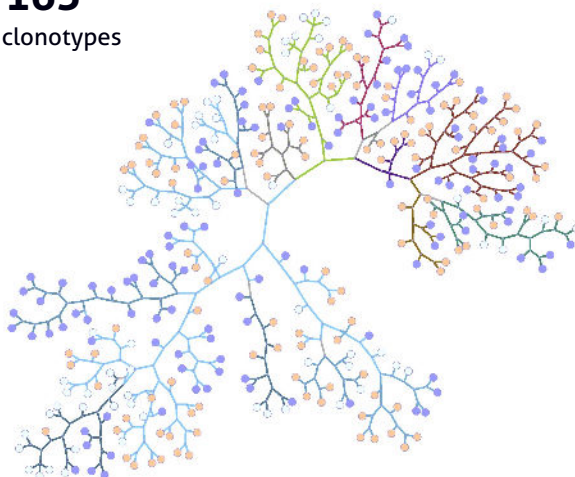
XX Discover **functional antibodies** against a novel immune checkpoint



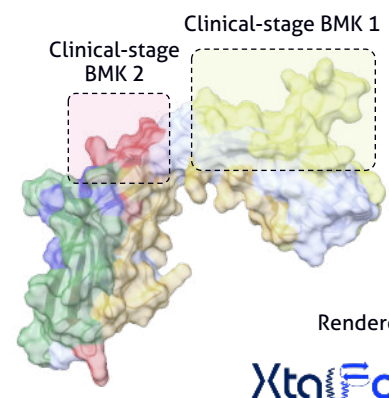
XX AI-powered repertoire mining for greater **sequence & epitope diversity**

65 IGHV genes
165 VH clonotypes

- XploreSeq
- XmartFluidics
- XpeedPlay
- IGHV subgroup



2 Validated epitopes
3 Novel epitopes



Rendered by

XtangoFold™



AI catches **rare functional hits** that escape traditional screening

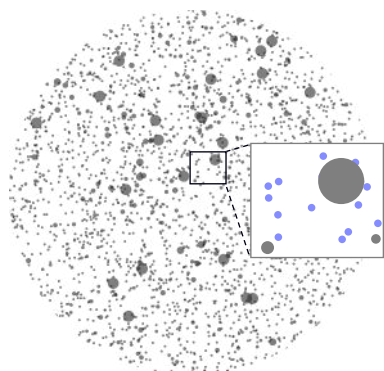
Immune repertoire NGS



Rare binder prediction by active learning

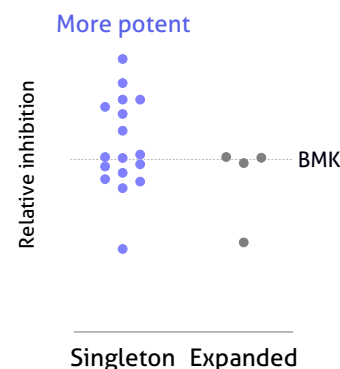
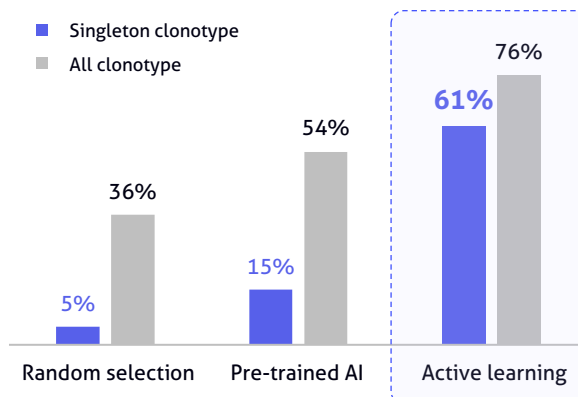


Functional validation



1160
Singleton
clonotypes

117
Expanded
clonotypes



High-throughput humanization and developability prediction



Integrated Hit Generation

Trilux™ 3-in-1 antibody discovery
Epitope-specific antibody discovery
Immune library mining powered by NGS + AI
Hard targets

Next-Gen Engineering

Affinity modulation
Developability optimization
pH sensitivity engineering
Deep humanization
Species cross-reactivity