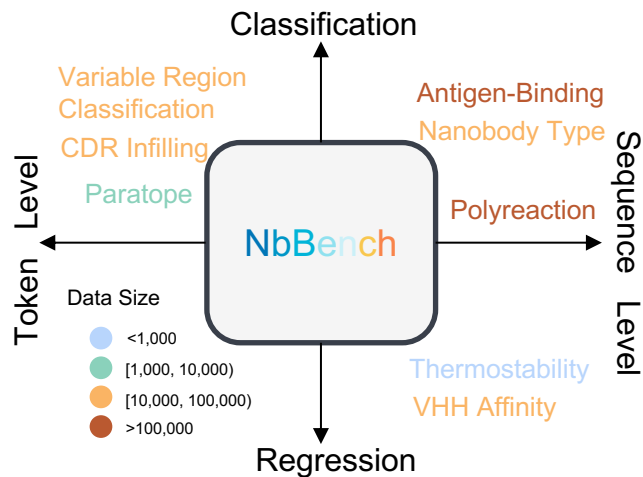


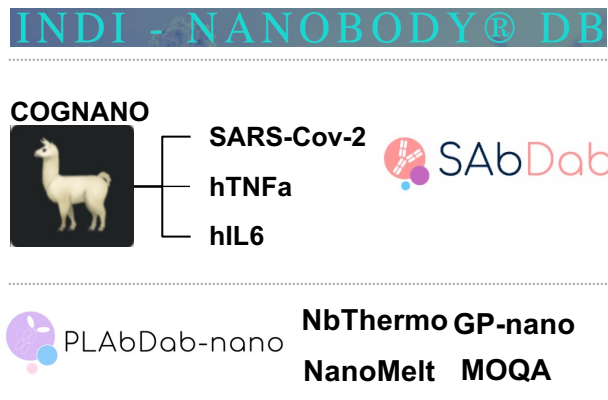
a

Nanobody Benchmark



b

Database



c

10 Baselines

Protein LMs

ESM-2
ProtBert

Antibody LMs

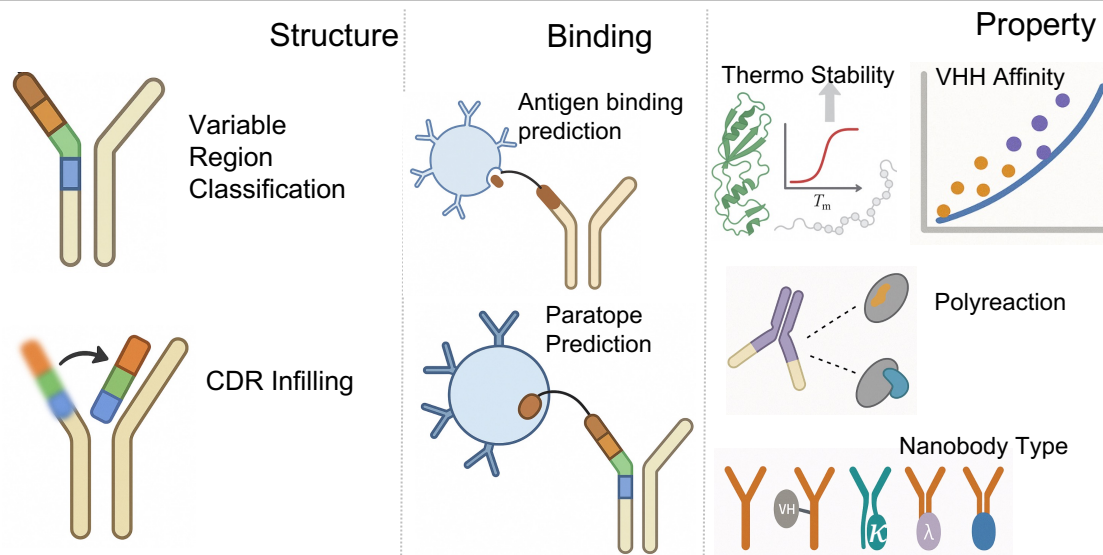
AbLang
AntiBERTy
AntiBERTa2
IgBert

Nanobody LMs

NanoBERT VHHBERT

d

8 Tasks Covering Structure, Binding, and Biophysical Properties



e

Evaluation Metric & Data Splitting

Classification

AUPRC
AUROC
Accuracy
Precision
Recall
F1

Regression

Spearman
 R^2
RMSE
MAE

Sequence Clustering Split