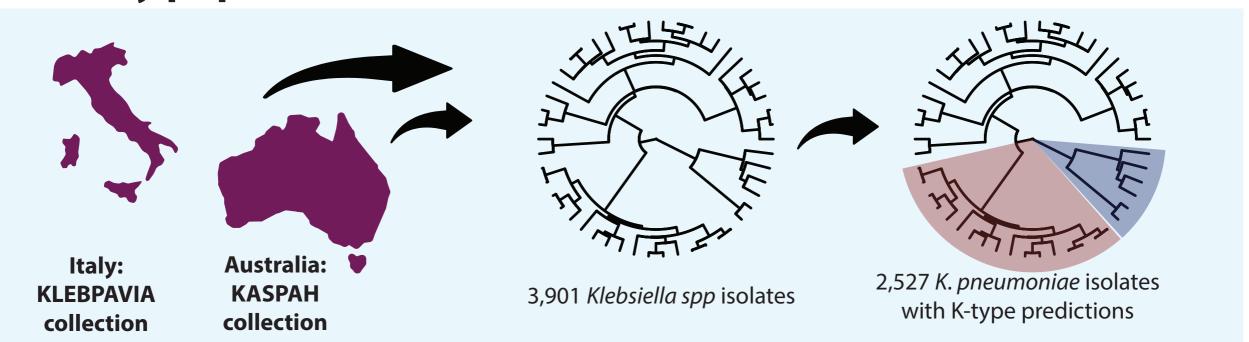
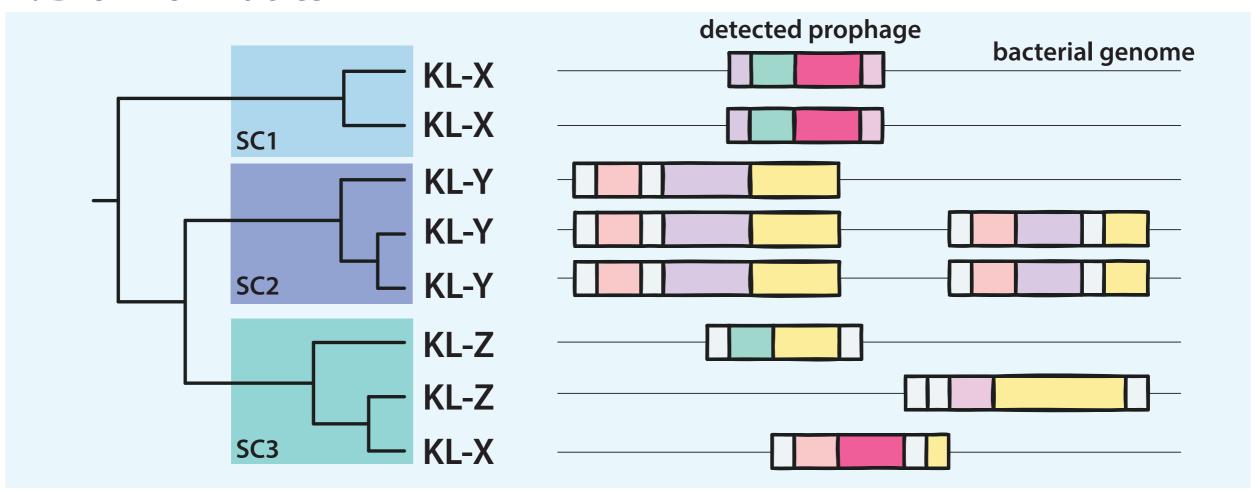
1. Study population

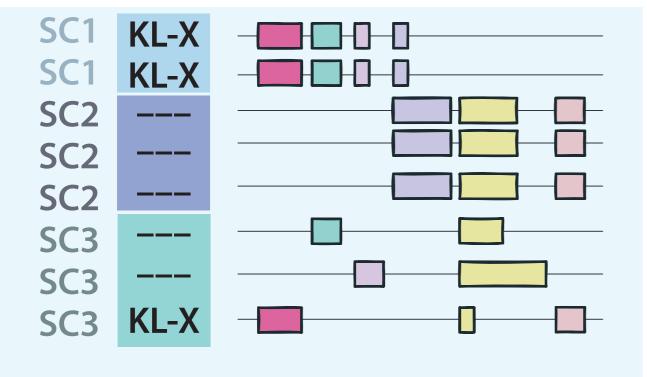


2. Bioinformatics

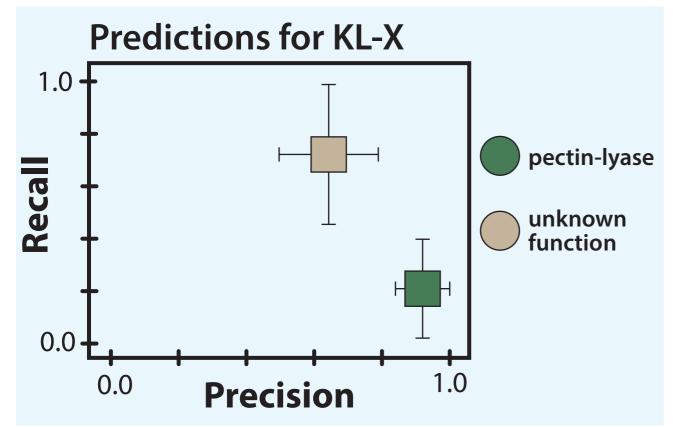


3. Genome-Wide Association Study(GWAS)

Input

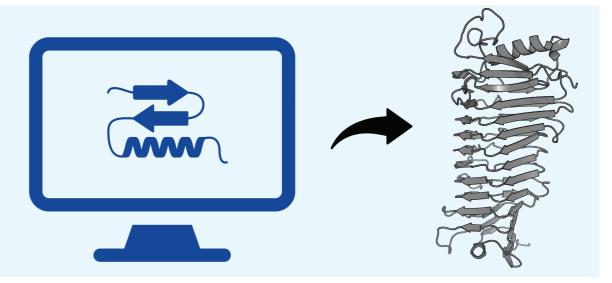


Output

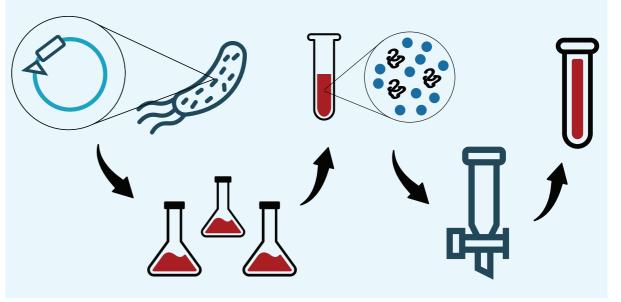


4. Recombinant-protein production of depolymerases

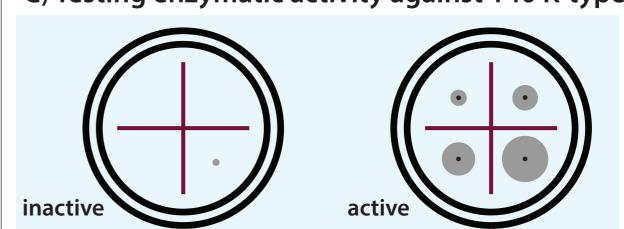
A) Functional annotation



B) Recombinant protein production



C) Testing enzymatic activity against 140 K-types



4. Comparison of predictions with experiments

