Cyrus automates a set of Rosetta protein conformational sampling software protocols that have been refined and tested on experimental data. **Cyrus Bench®** is an easy-to-use, SaaS offering proven to reliably sample protein structure conformations.

- Identify energetically stable alternative conformations, often not visible by Molecular Dynamics
- Identify and stabilize regions of higher flexibility
- Generate and evaluate quality of mutational diversity

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**Identification of Alternative Conformations**

Rosetta identifies alternative Apo state starting from known RNA bound state.

**Alternative Active Site Discovery**

Rosetta finds the final structural state of an oxidation cascade starting from the crystal structure of the reduced state.