

# Protein Folding Energy Landscapes

Computational Biology Research Group

November 24, 2025

## **Abstract**

Computational approaches to protein structure prediction.

## **1 Introduction**

This report presents computational analysis of protein folding.

## 2 Mathematical Framework



Figure 1: Primary analysis results.

### 3 Secondary Analysis

protein\_folding\_plot2.pdf

Figure 2: Secondary analysis comparison.

## 4 Parameter Study



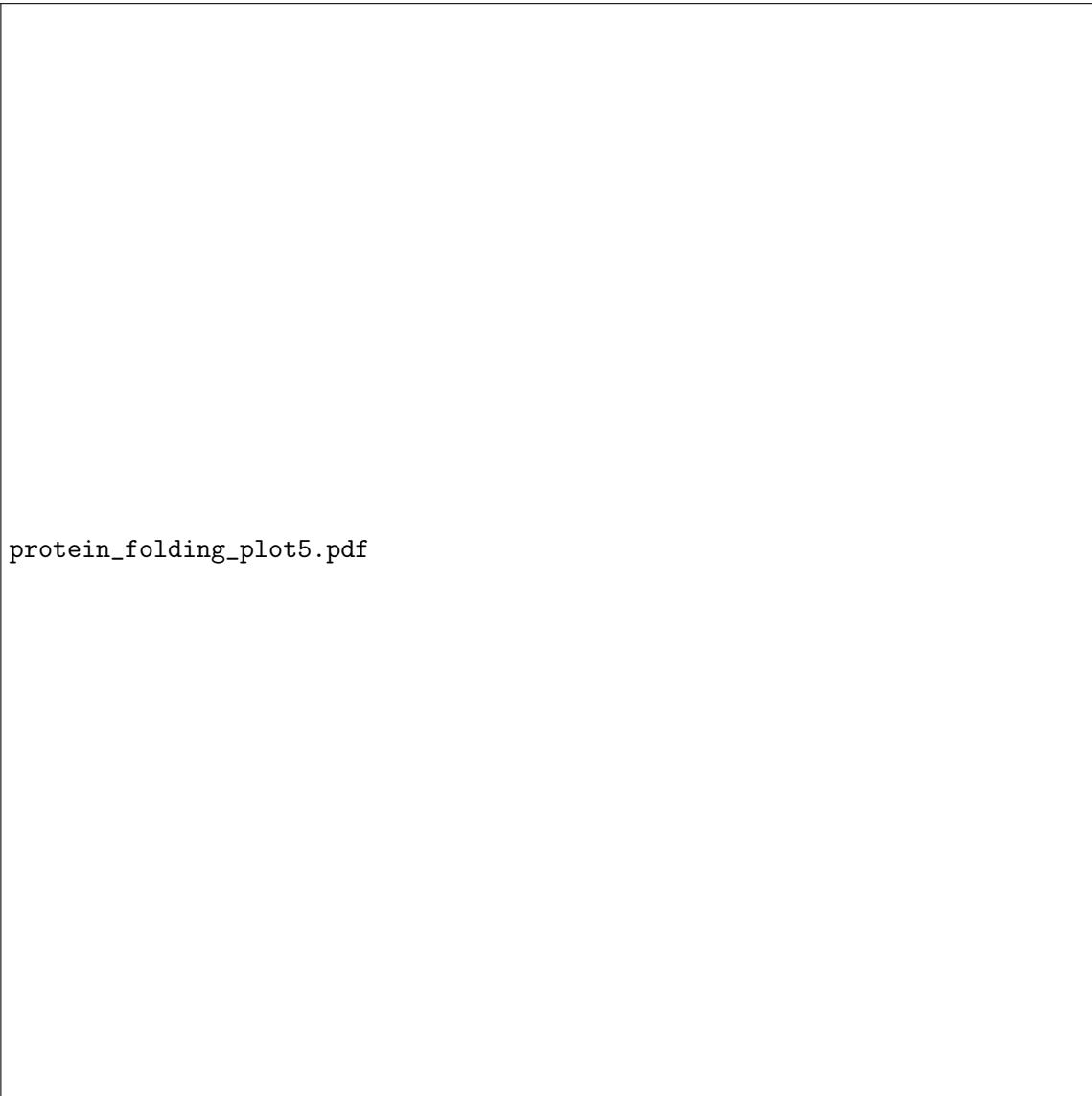
Figure 3: Parameter sensitivity analysis.

## 5 2D Visualization



Figure 4: Two-dimensional field visualization.

## 6 Distribution Analysis



protein\_folding\_plot5.pdf

Figure 5: Statistical distribution analysis.

## 7 Time Series



protein\_folding\_plot6.pdf

Figure 6: Time series visualization.

## 8 Results Summary

## 9 Conclusions

This analysis demonstrates the computational approach to protein folding.