

All Projects

2DN1 mutated,fasta

Created: today at 18:20

Summary

Templates 50

Models 1

Project Data

Project Summary

Target 1

VLSPADKTNVKAAWGKVGGAHAGEYAAEALERMFLSFPTTKTYFPHFDLSHGSAQVKGHGKKVADALTNAVAHVDDMPNALSALSDLHAHKLRVDPVNFKLLSHCLLVTLAAHLPAEF


Template Results

A total of 2051 templates were found to match the target sequence. This list was filtered by a heuristic down to 50. The top templates are:

| Template | Sequence Identity | Biounit | Oligo State | Description |
|----------|-------------------|-----------------|-------------|---|
| P63112.1 | 91.49 | monomer | | Hemoglobin subunit alpha AlphaFold DB model of HBA_PAPCY (gene: HBA, organism: Papio cynocephalus (Yellow baboon)) |
| 2dn2.1 | 99.29 | hetero-tetramer | | Hemoglobin alpha subunit 1.25A resolution crystal structure of human hemoglobin in the deoxy form |
| 8dov.2 | 99.29 | hetero-pentamer | | Hemoglobin subunit alpha Crystal structure of the Shr Hemoglobin Interacting Domain 2 (HID2) in complex with Hemoglobin |
| 1k1k.1 | 99.29 | hetero-tetramer | | HEMOGLOBIN ALPHA CHAIN Structure of Mutant Human Carbonmonoxyhemoglobin C (beta E6K) at 2.0 Angstrom Resolution in Phosphate Buffer. |
| 1ird.1 | 99.29 | hetero-tetramer | | Hemoglobin alpha chain Crystal Structure of Human Carbonmonoxy-Haemoglobin at 1.25 A Resolution |

Show full template details

Model Results

| | Id | Template | GMQE | QMEANDisCo Global | Oligo State | Ligands |
|--|----|----------|------|-------------------|-------------|---------|
|  | 01 | 2dn2.1.C | 0.91 | 0.84 ± 0.07 | monomer | 1 x HEM |

Show full model results