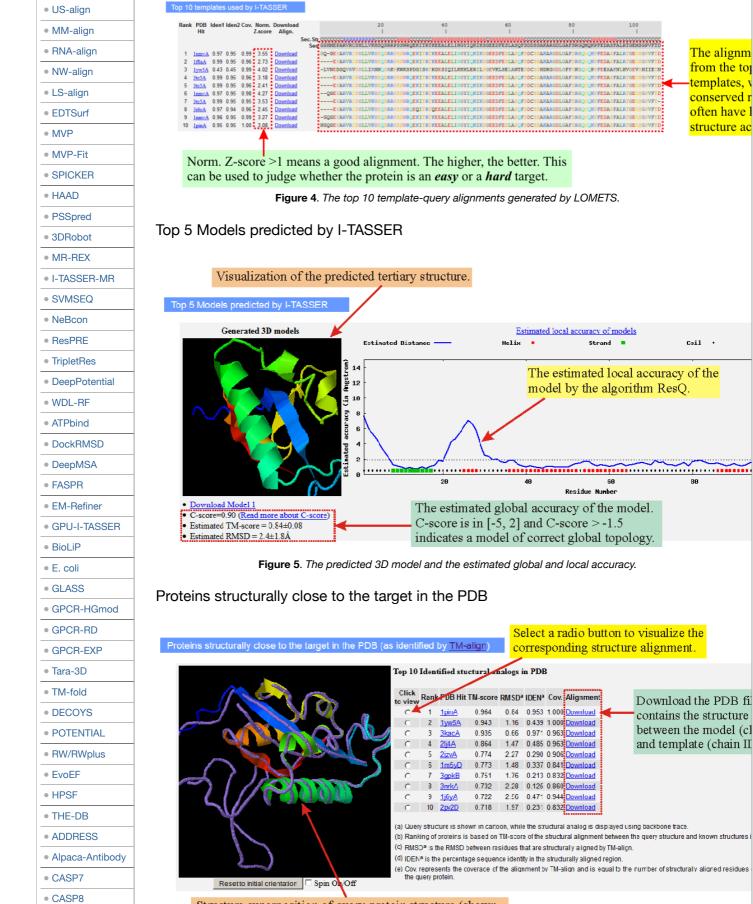


Figure 3. The predicted normalized B-factor by ResQ.

Top 10 templates used by I-TASSER

TM-scoreTM-align



Structure superposition of query protein structure (shown

in cartoon) and template proteins (shown in backbone).

Figure 6. The structure alignment between the first I-TASSER model and the top 10 most similar structure templates in PDB.

Predicted ligand binding sites

CASP9

CASP10

• CASP11

• CASP12

CASP13CASP14

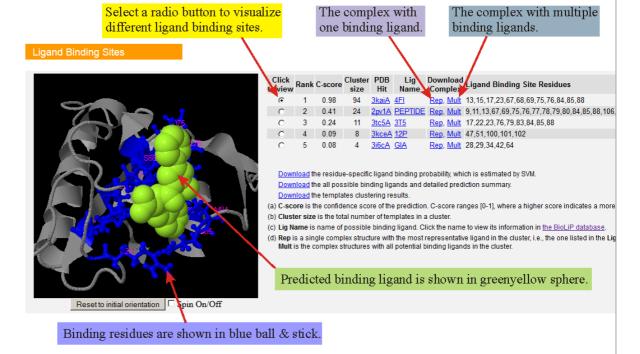


Figure 7. The predicted ligand-binding sites.

Predicted enzyme commission numbers and active sites

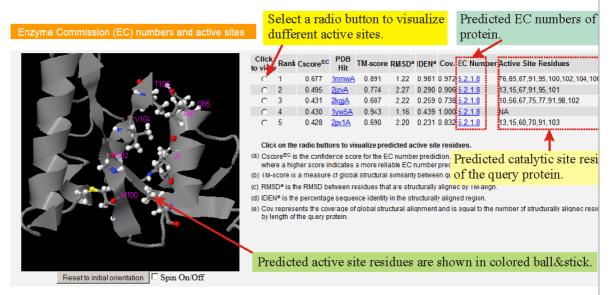
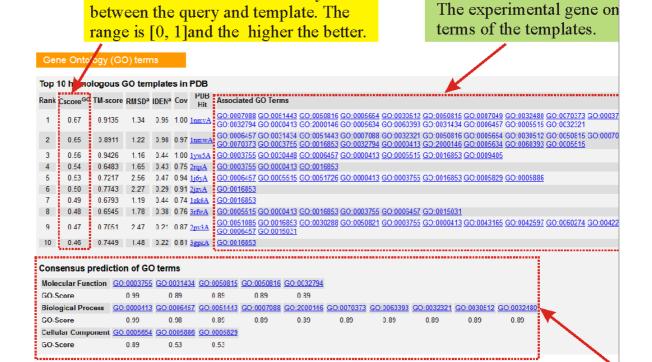


Figure 8. The predicted enzyme commission numbers and active sites.

Predicted gene ontology terms



C-score⁶⁰ measures the similarity

Consensus prediction derived based on the occurrence of the GO terms among selected templates. The predictions are made for all the three GO categories: (1) Molecular Function, (2) Biological Process, and (3) Cellular Component.

Figure 9. The top 10 GO templates in PDB and consensus prediction of GO terms in the three function categories of GO.

Need more help?

If you have more questions about the I-TASSER modeling results, please post them at the <u>I-TASSER Message</u> <u>Board</u>, whereby some members will study and answer the questions asap.

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