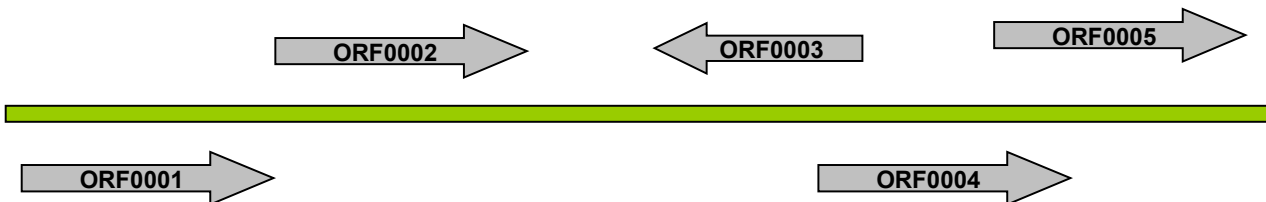


### Candidate genes mapped in genome



### Example Annotation:

Candidate gene ORF0002 matches with the profile of

- "Bacterial DNA-binding domain - PFz00216" from PFAM
- "DNA topoisomerase I, zinc ribbon-like, bacterial-type - IPR013263" from Interpro.

### Candidate gene A annotation:

**Name:** Putative DNA topoisomerase I

**EC No:** 5.99.1.2

### Gene Ontology:

#### molecular function

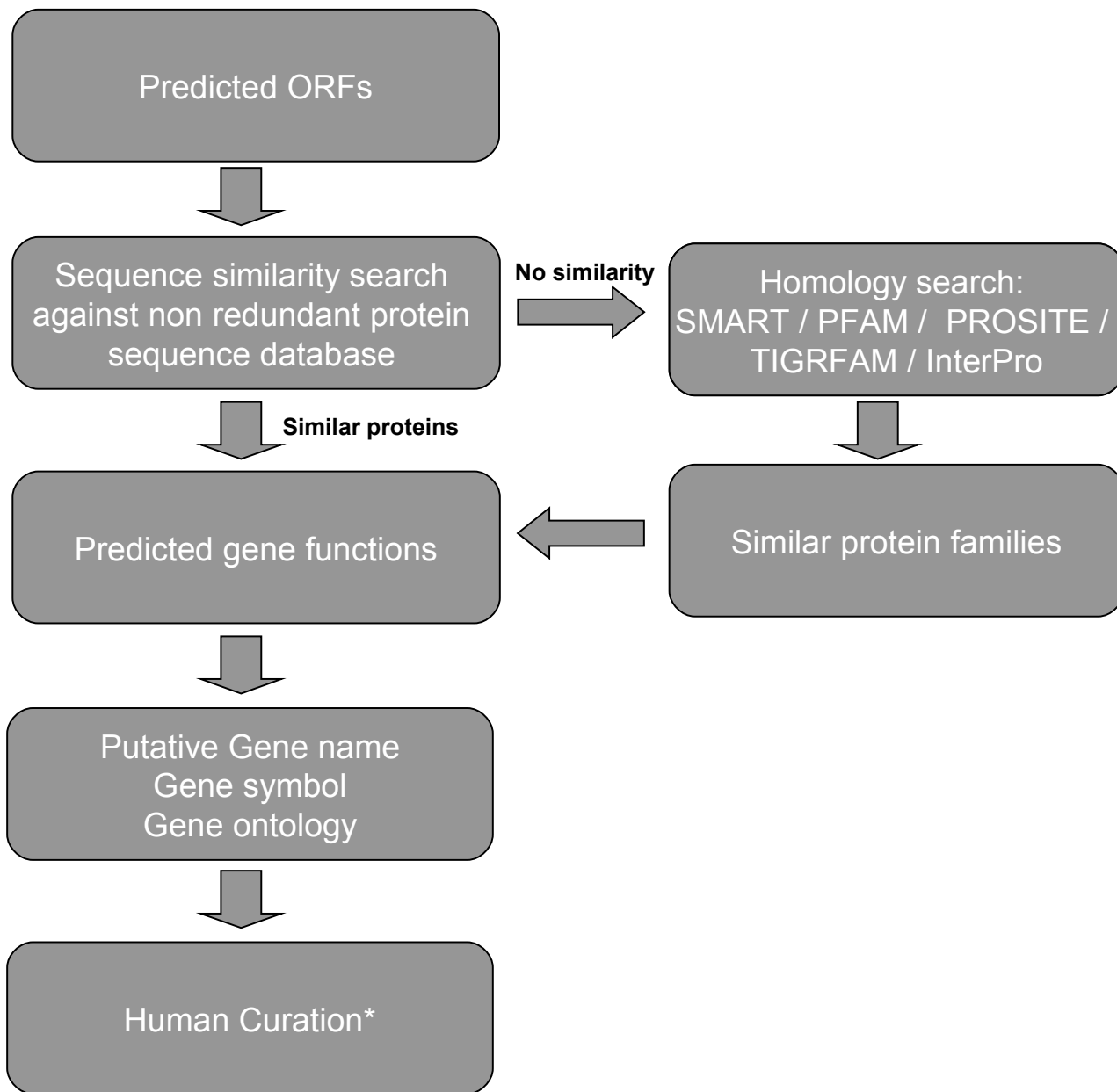
GO:0005488 : binding  
 GO:0003676 : nucleic acid binding  
 GO:0003677 : DNA binding  
 GO:0003916 : DNA topoisomerase activity  
 GO:0003918 : DNA topoisomerase (ATP-hydrolyzing) activity

#### Biological process

GO:0044237 : cellular metabolic process  
 GO:0044238 : primary metabolic process  
 GO:0006139 : nucleobase, nucleoside, nucleotide and nucleic acid metabolic process  
 GO:0006259 : DNA metabolic process  
 GO:0006265 : DNA topological change

#### Cellular Component

GO:0005622 : intracellular  
 GO:0005694 : chromosome



\* - Manual curation requires 100 hours for 100 genes

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