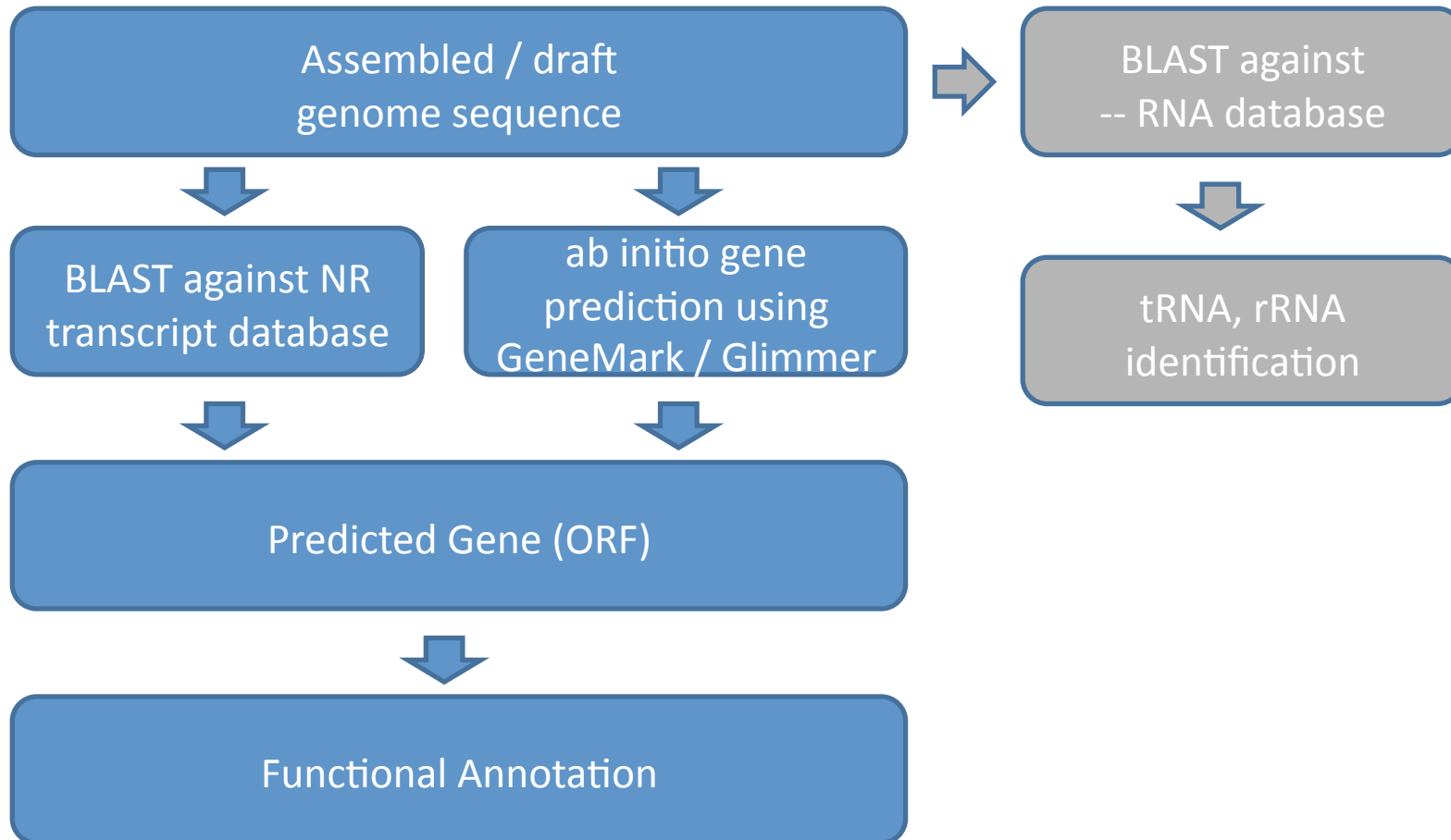


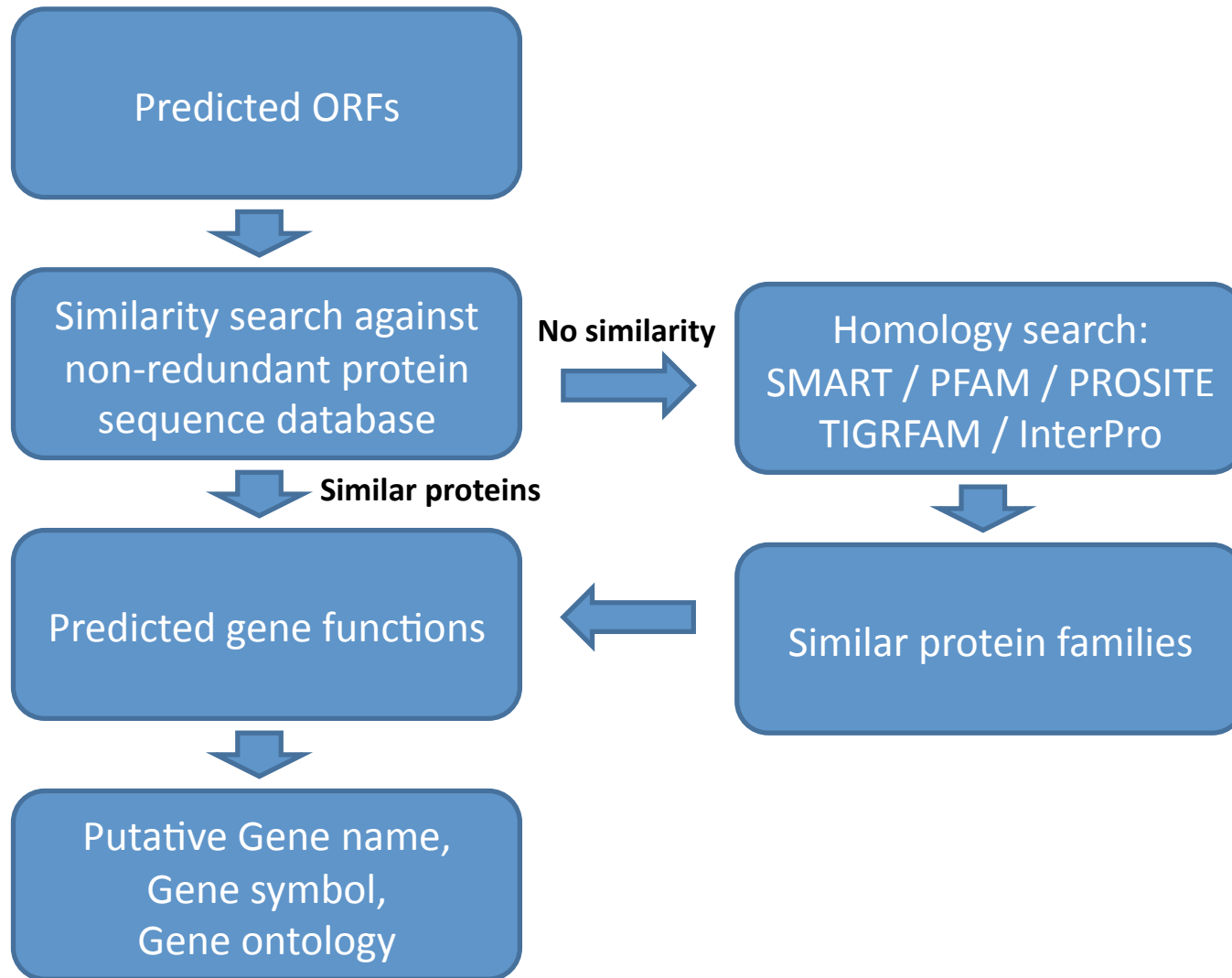
Sequence Annotation Process

Gene Prediction Work Flow



Sequence Annotation Process

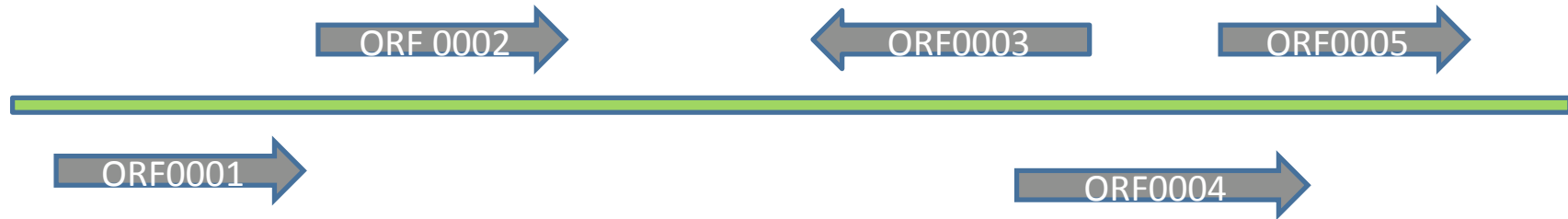
Functional Annotation Work Flow



*Further manual curation possible at extra cost

Sequence Annotation Process

Example Annotation



Candidate gene ORF0002 matches 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