

Settings:

- identity/non-identity/dissimilarity/similarity/ori

Input 1: protein name
Input 2: taxa

NCBI

Protein seq [FASTA]

ClustalO

Web view

DOWNLOAD
[files.aln]

mysql

Alignment

plotcon

Conservation plot

Web view

DOWNLOAD
[file.png]
DOWNLOAD
[file.data]

mysql

Input 3: PDB file

mysql

NGL viewer

Protein 3D view
- by normalized
color (blue [high] ,
white, red)

mysql

Web view

DOWNLOAD
[file.png]

DOWNLOAD
[modified.pdb]

- How does mysql help?

Input 4: modified PDB file

NGL viewer

Protein 3D view







Alignment

Conservation plot

3D viewer

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```
function savePDB() {  
  stage.compList[0].structure.toPdb().then(function (pdbString) {  
    let blob = new Blob([pdbString], { type: "text/plain" });  
    let a = document.createElement("a");  
    a.href = URL.createObjectURL(blob);  
    a.download = "colored_structure.pdb";  
    a.click();  
  });  
}
```