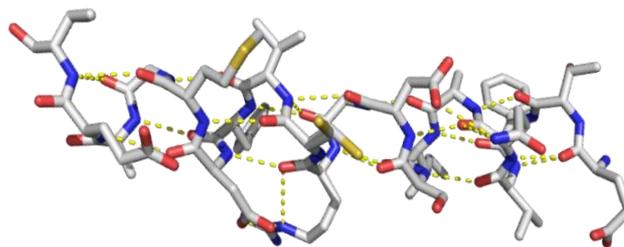
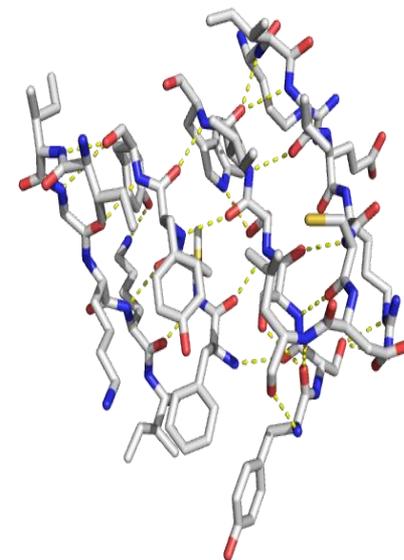
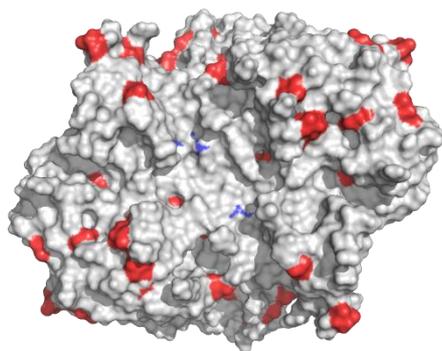
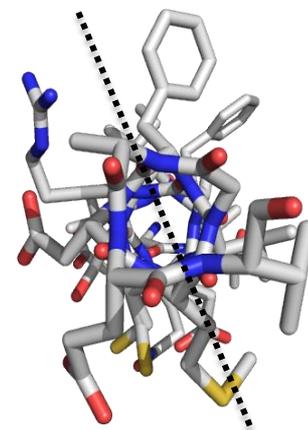
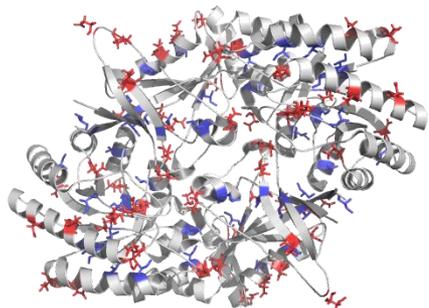


# Pymol How-To



# Step 1: Find the PDB code

NCBI Resources ▾ How To ▾

Protein  [Limits](#) [Advanced](#)

[Display Settings:](#)  GenPept [Send to:](#)

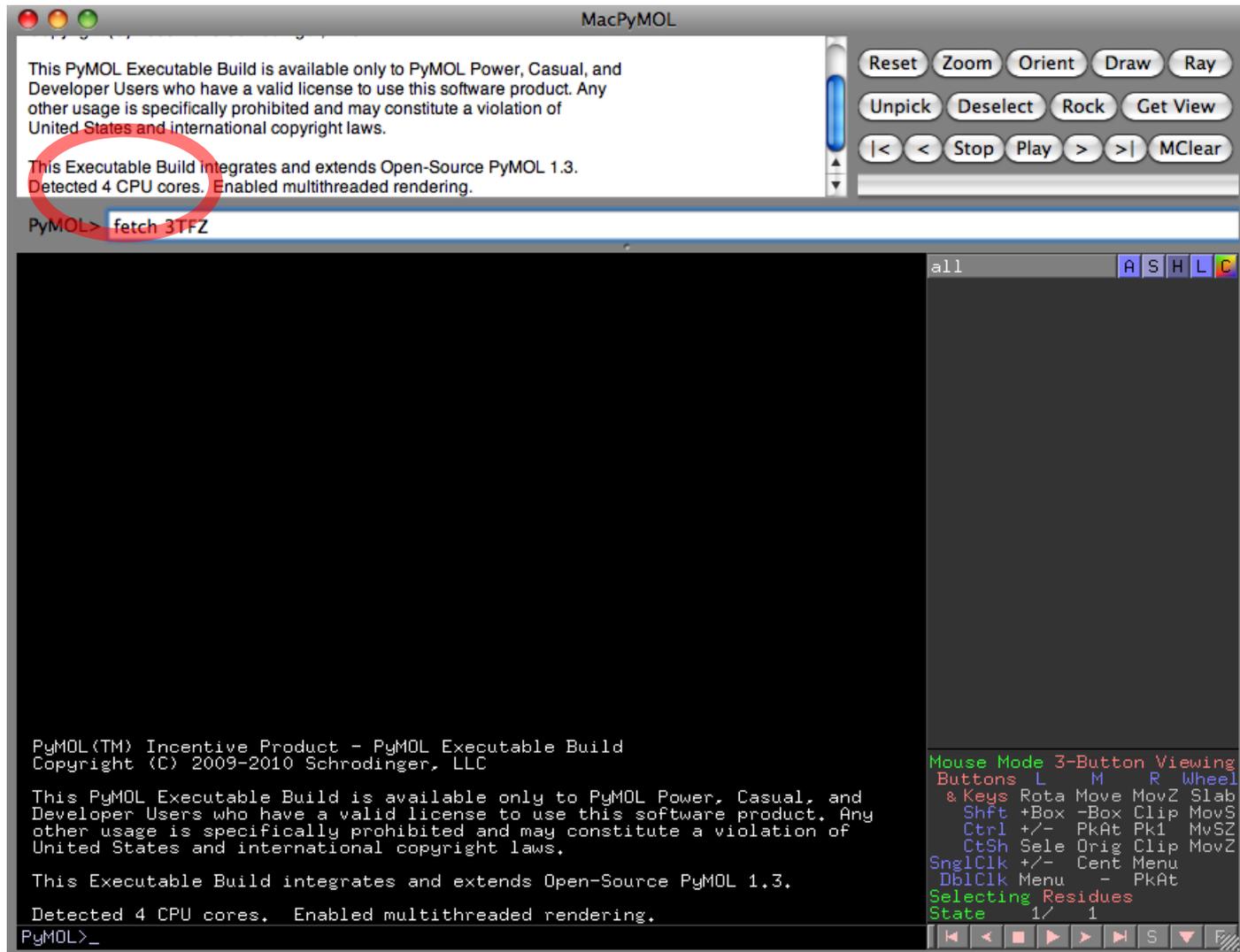
**Chain A, Crystal Structure Of Zhui AromataseCYCLASE FROM STREPTOMCYES SP. R1128**

PDB: 3TFZ\_A  
[FASTA](#) [Graphics](#)

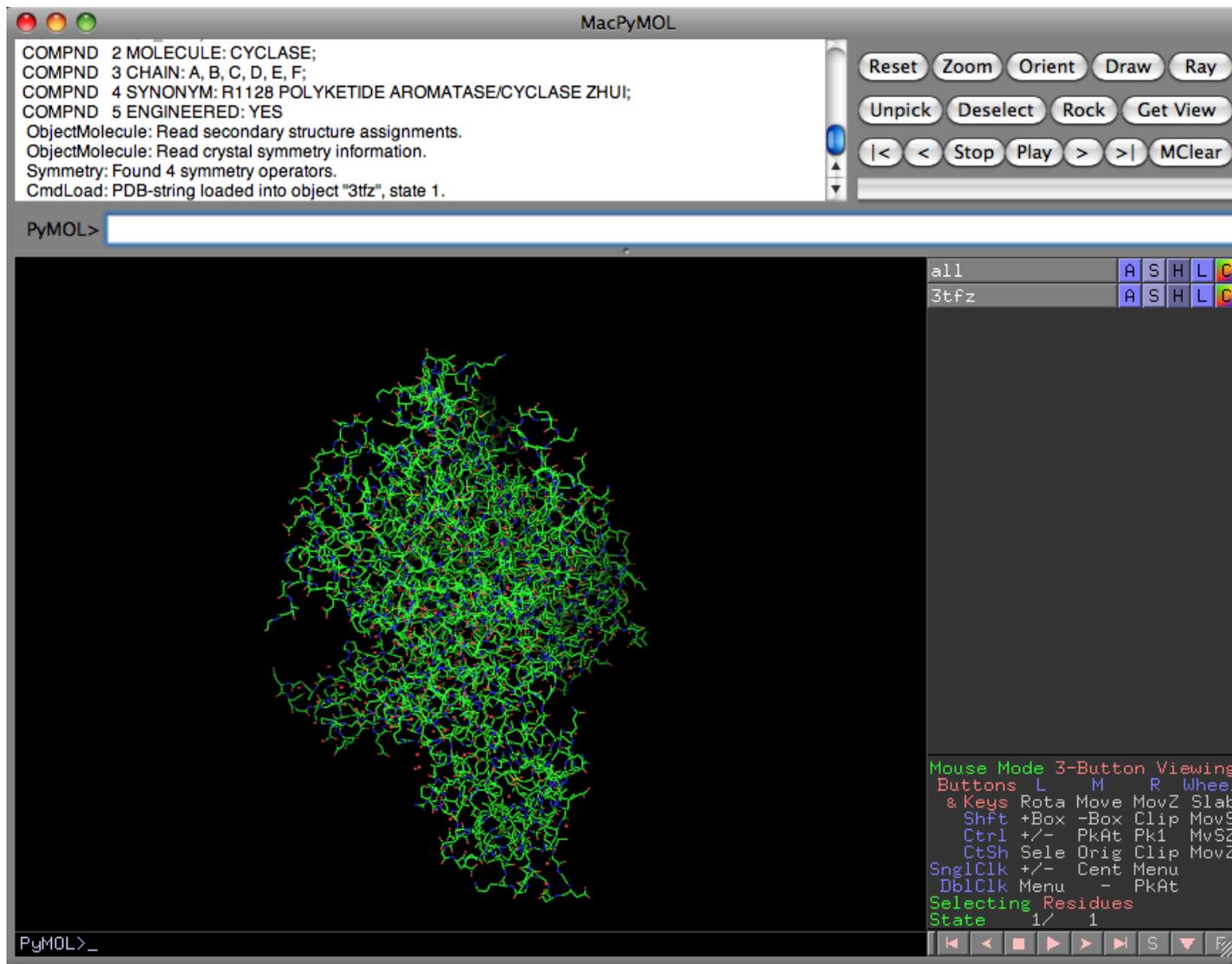
[Go to:](#)

LOCUS 3TFZ\_A 172 aa linear BCT 14-SEP-2011  
DEFINITION Chain A, Crystal Structure Of Zhui AromataseCYCLASE FROM STREPTOMCYES SP. R1128.  
ACCESSION 3TFZ\_A  
VERSION 3TFZ\_A GI:346652061  
DBSOURCE pdb: molecule 3TFZ, chain 65, release Sep 14, 2011;  
deposition: Aug 16, 2011;  
class: Biosynthetic Protein;  
source: Mol\_id: 1; Organism\_scientific: Streptomyces Sp. R1128;  
Organism\_taxid: 140437; Gene: Zhui; Expression\_system: Escherichia Coli; Expression\_system\_taxid: 562; Expression\_system\_strain: B121(De3); Expression\_system\_vector\_type: Plasmid;  
Expression\_system\_plasmid: Pet28;  
Exp. method: X-Ray Diffraction.

# Step 2: Launch PyMol



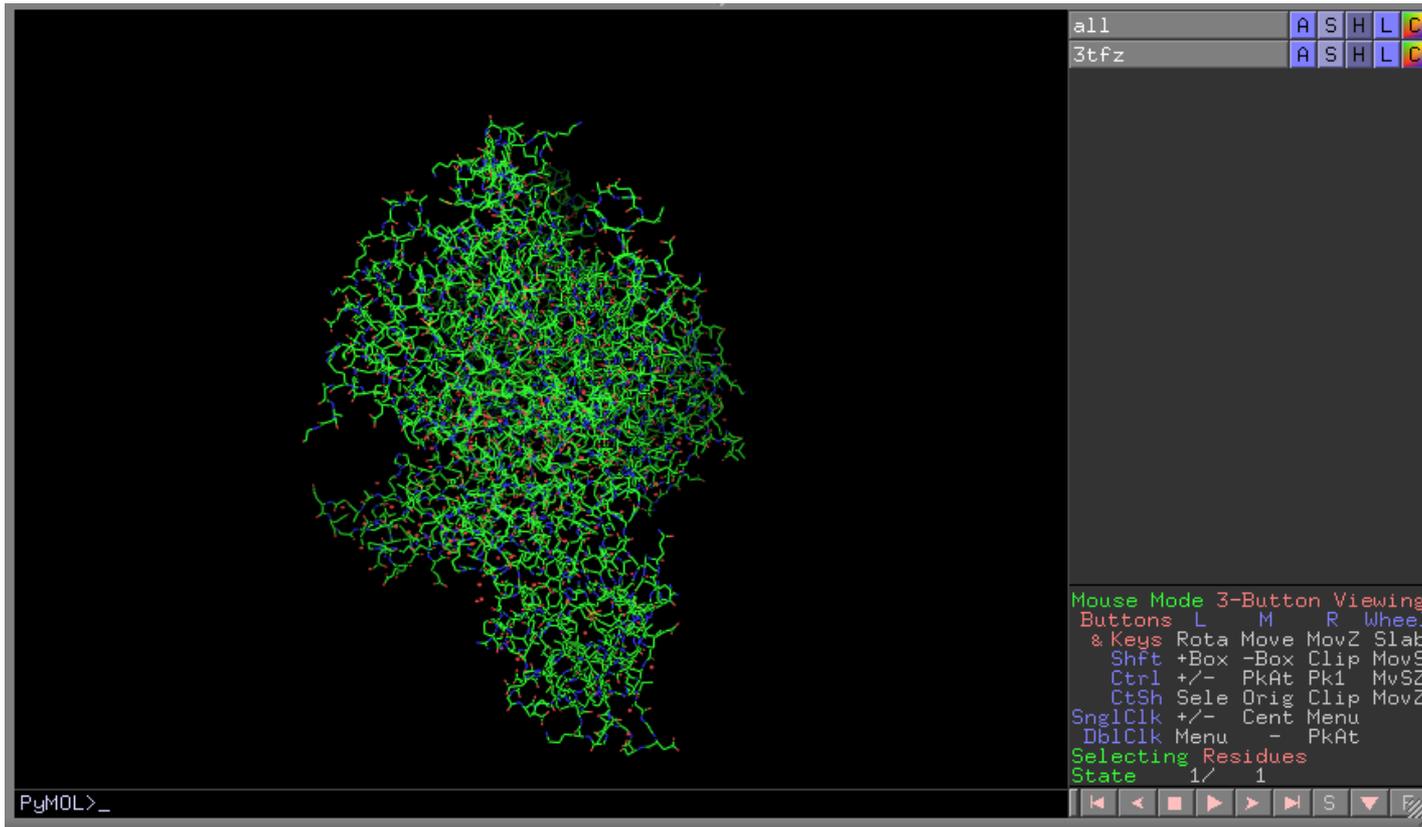
# Step 2: Launch PyMol



# Step 3: Use PyMol

Basic commands: A (action), S (show), H (hide),  
C (color)

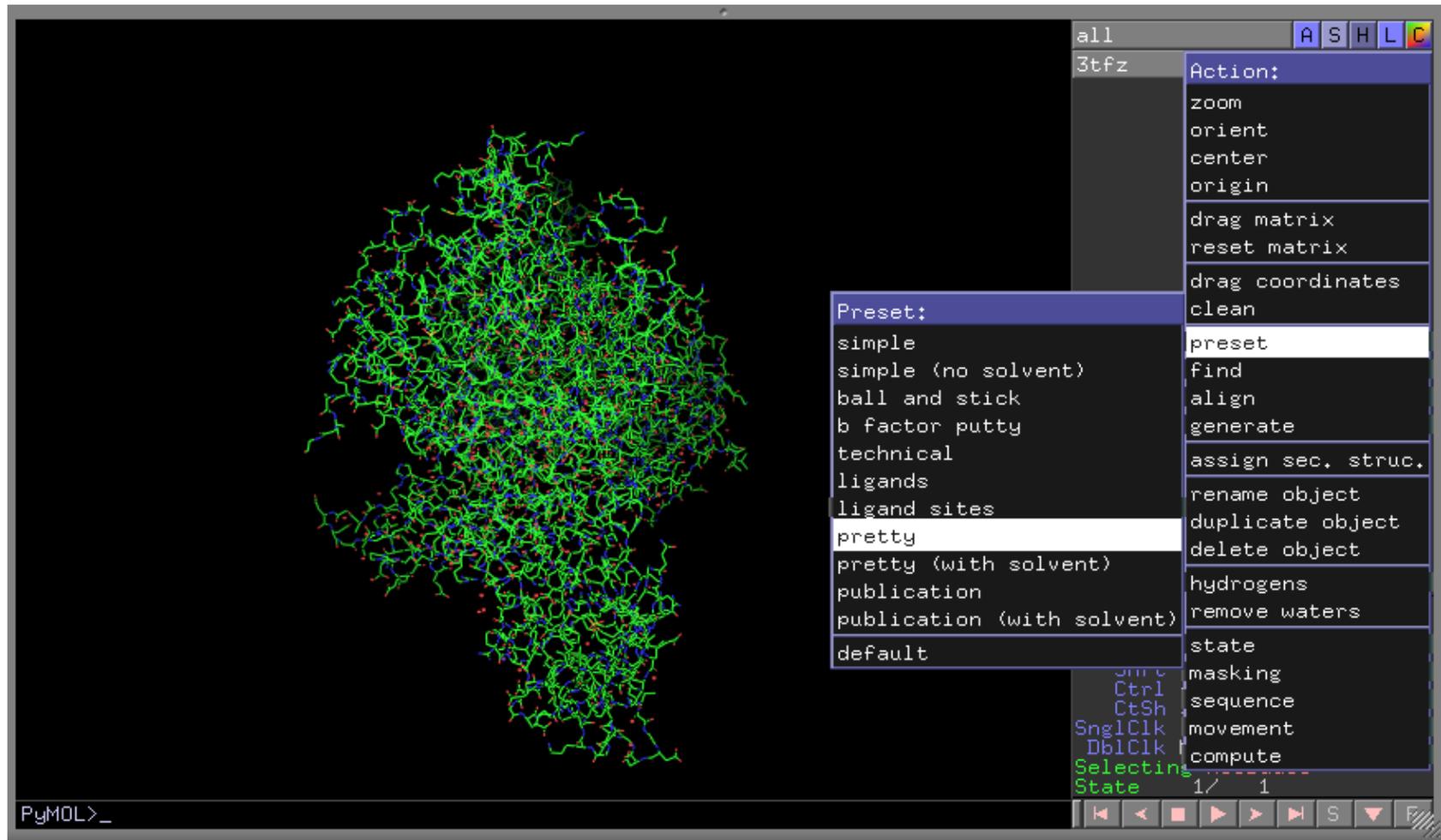
Bottom Right Corner: S (sequence), F (full)



# Step 3: Use PyMol

Useful for your images:

(on commands on right) Action -> Preset -> Publication

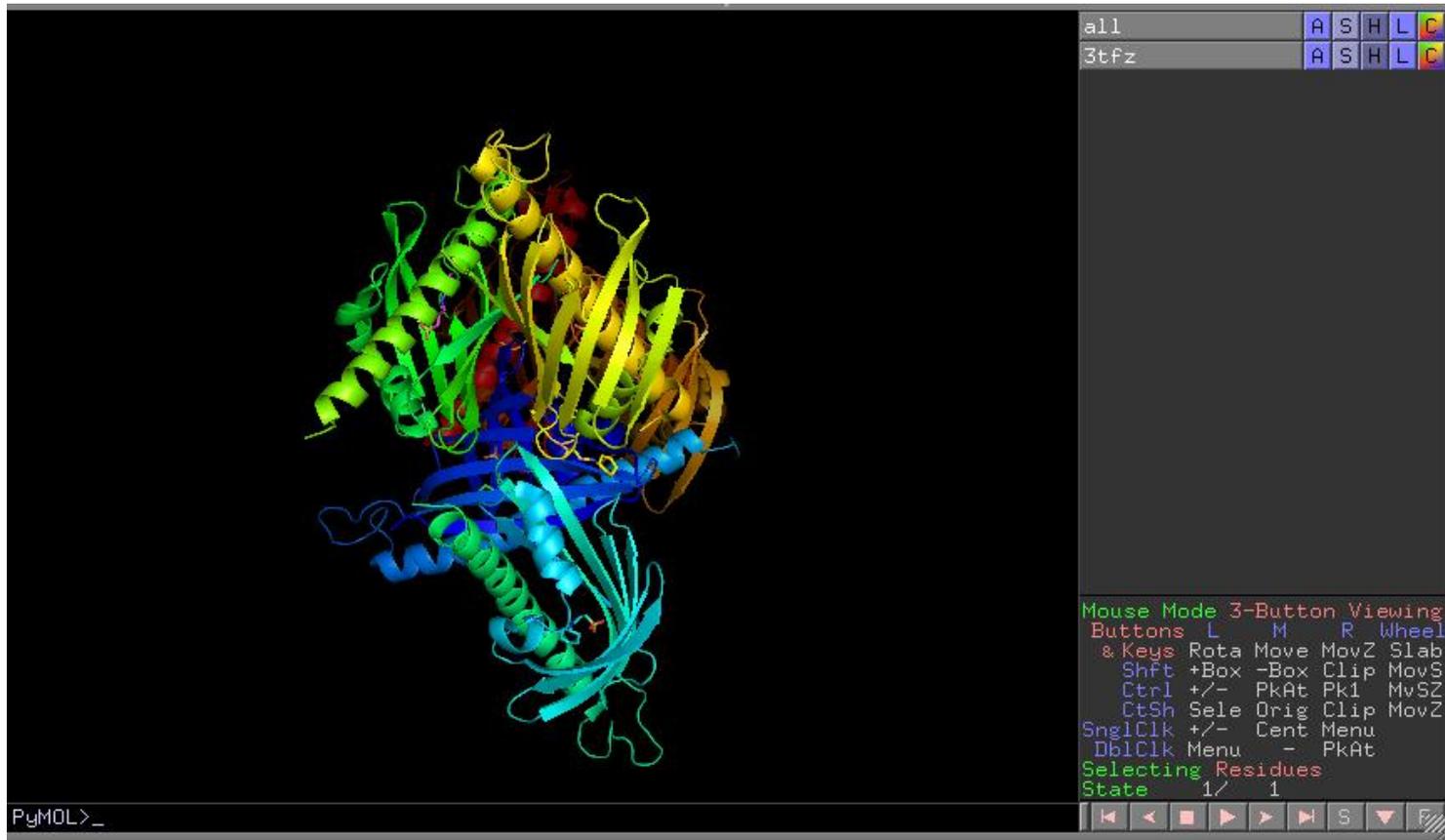


# Step 3: Use PyMol

Useful for your images:

(on commands on right) Action -> Preset -> Pretty

Bottom Right Corner: S (sequence), F (full)



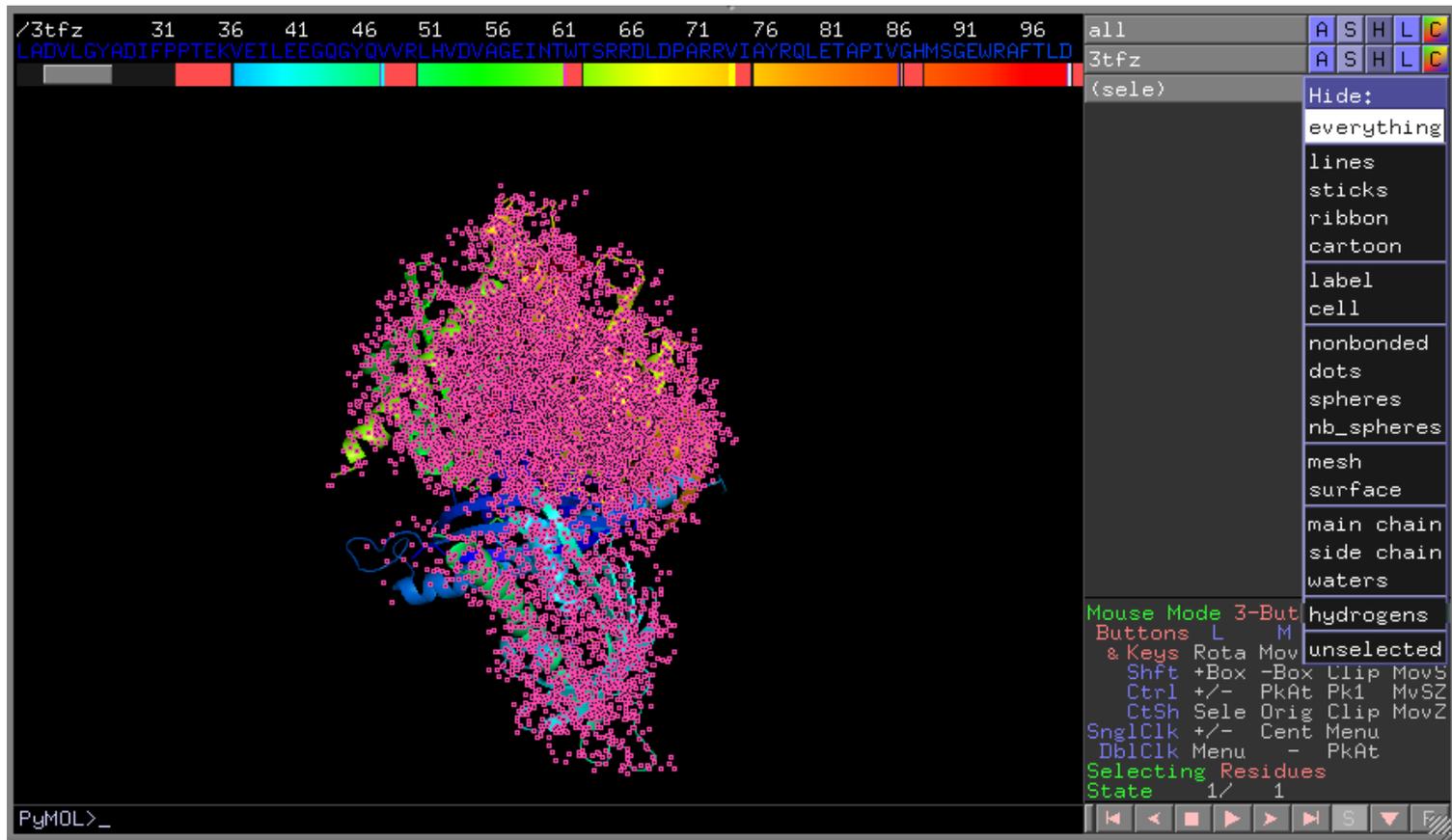
# Step 3: Use PyMol

Useful for your images:

Sequence shows all amino acids, water molecules, etc.

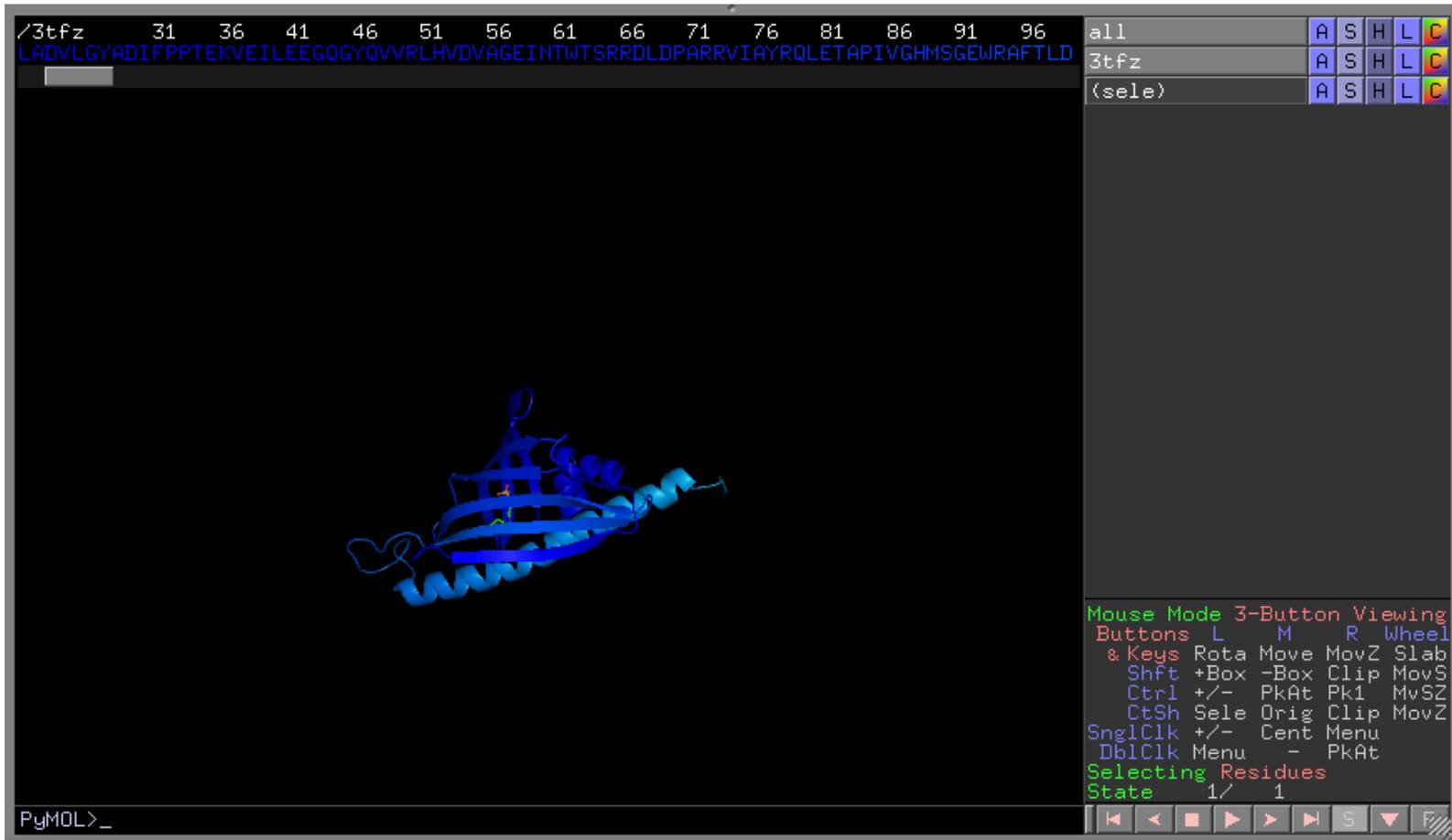
Can select them from the sequence

Hide command can remove unwanted atoms



# Step 3: Use PyMol

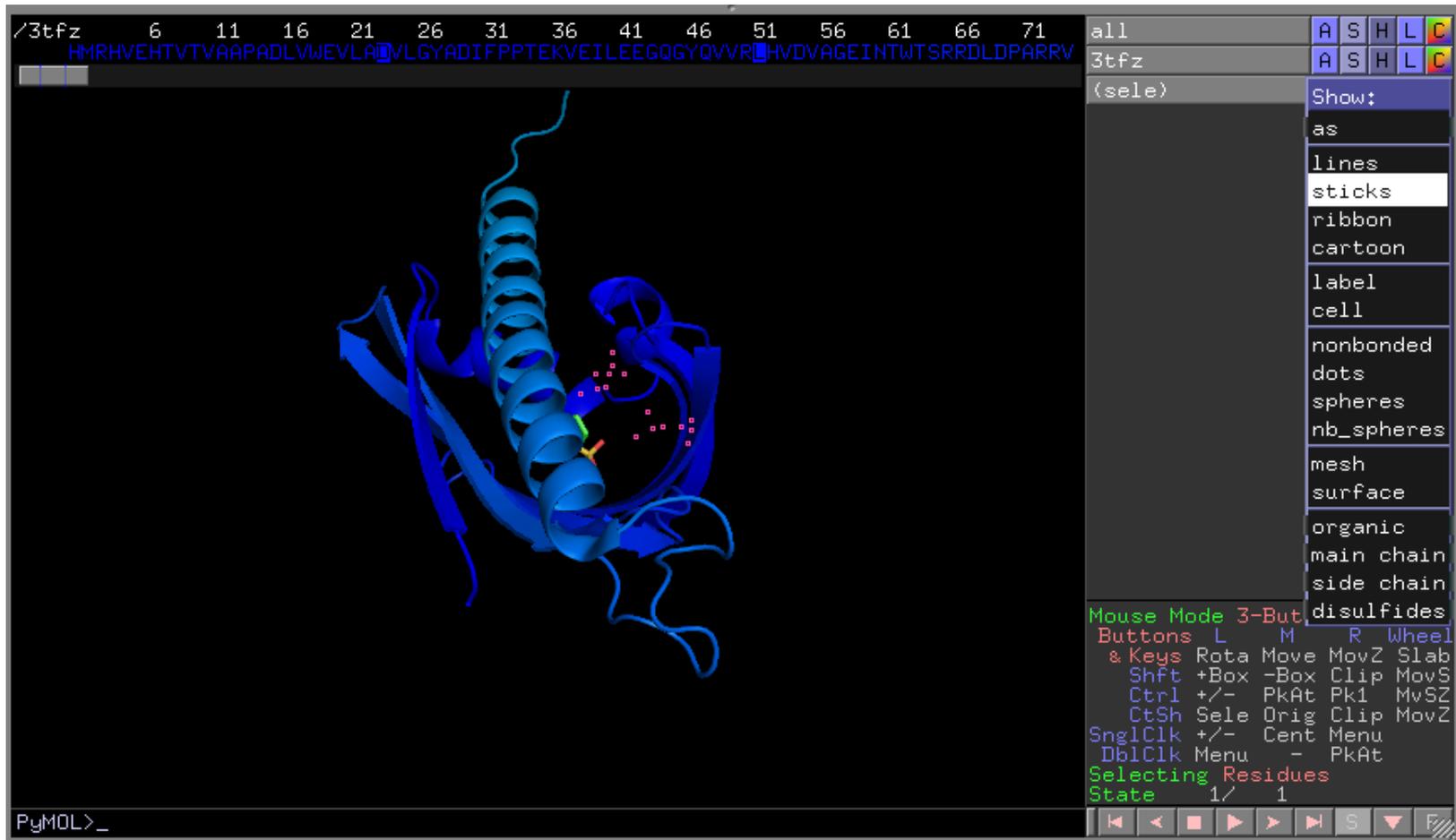
Useful for your images:



# Step 3: Use PyMol

Useful for your images:

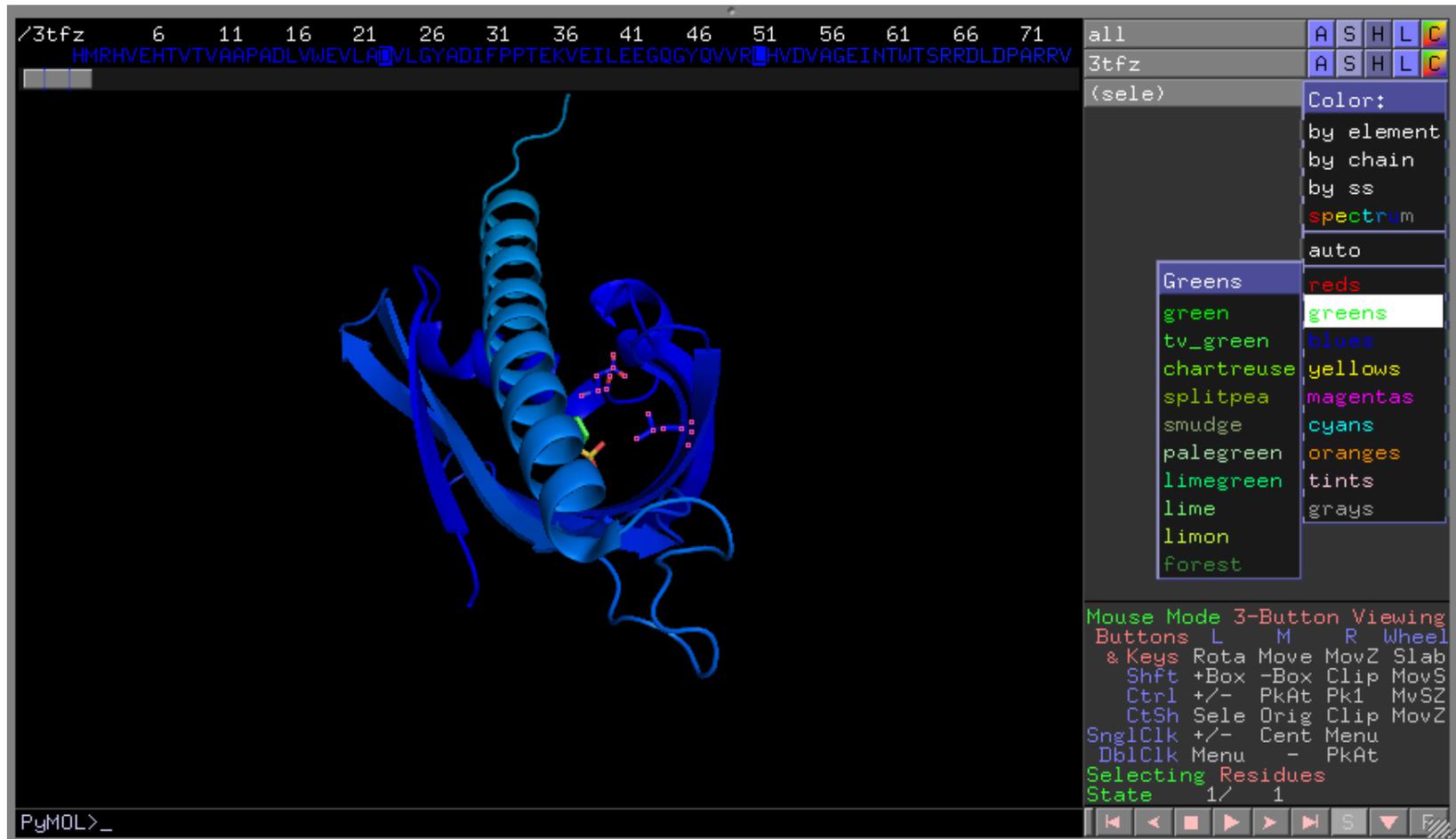
To show hidden atoms, there are a lot of choices



# Step 3: Use PyMol

Useful for your images:

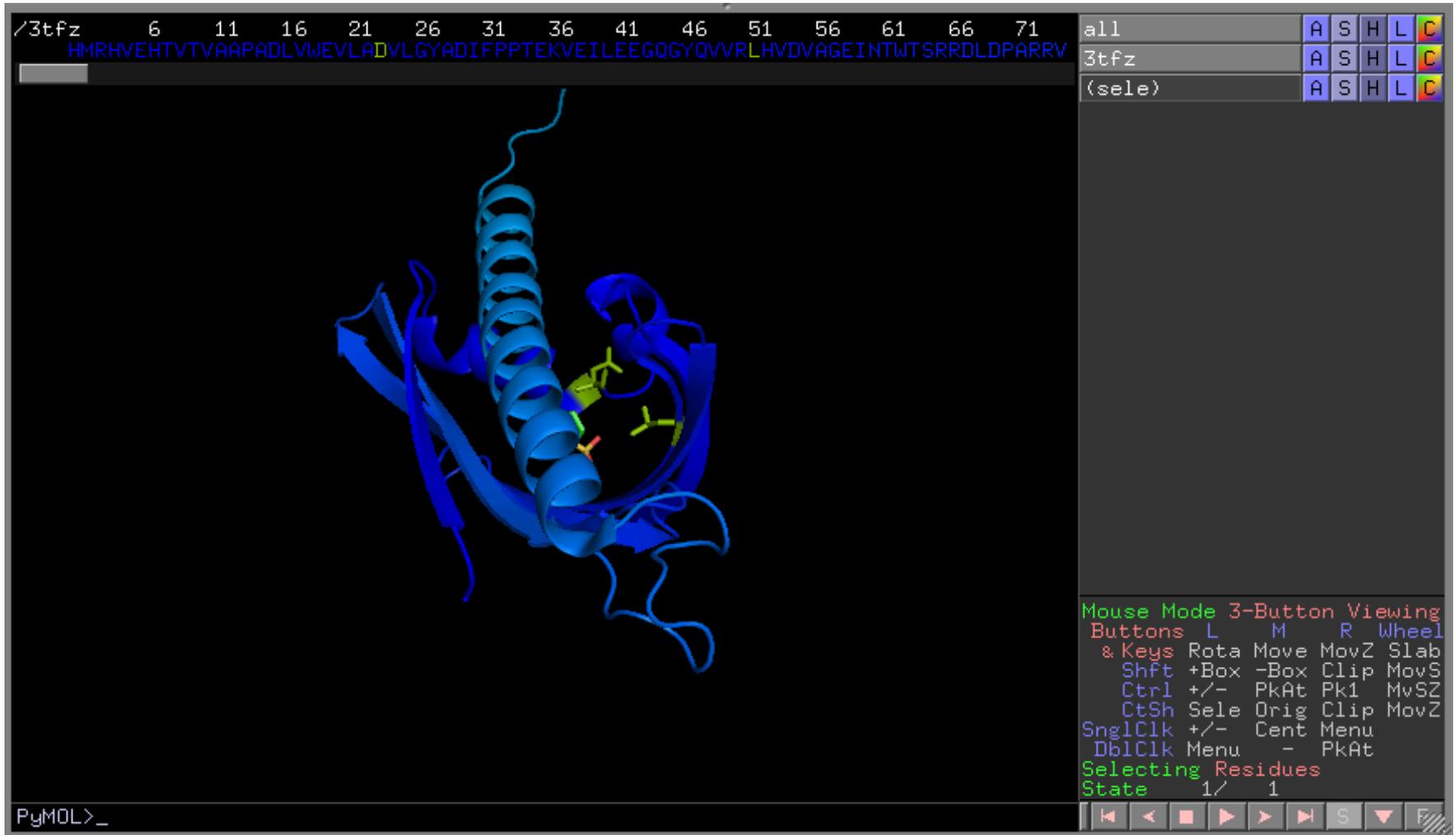
Can color atoms (so many choices)



# Step 3: Use PyMol

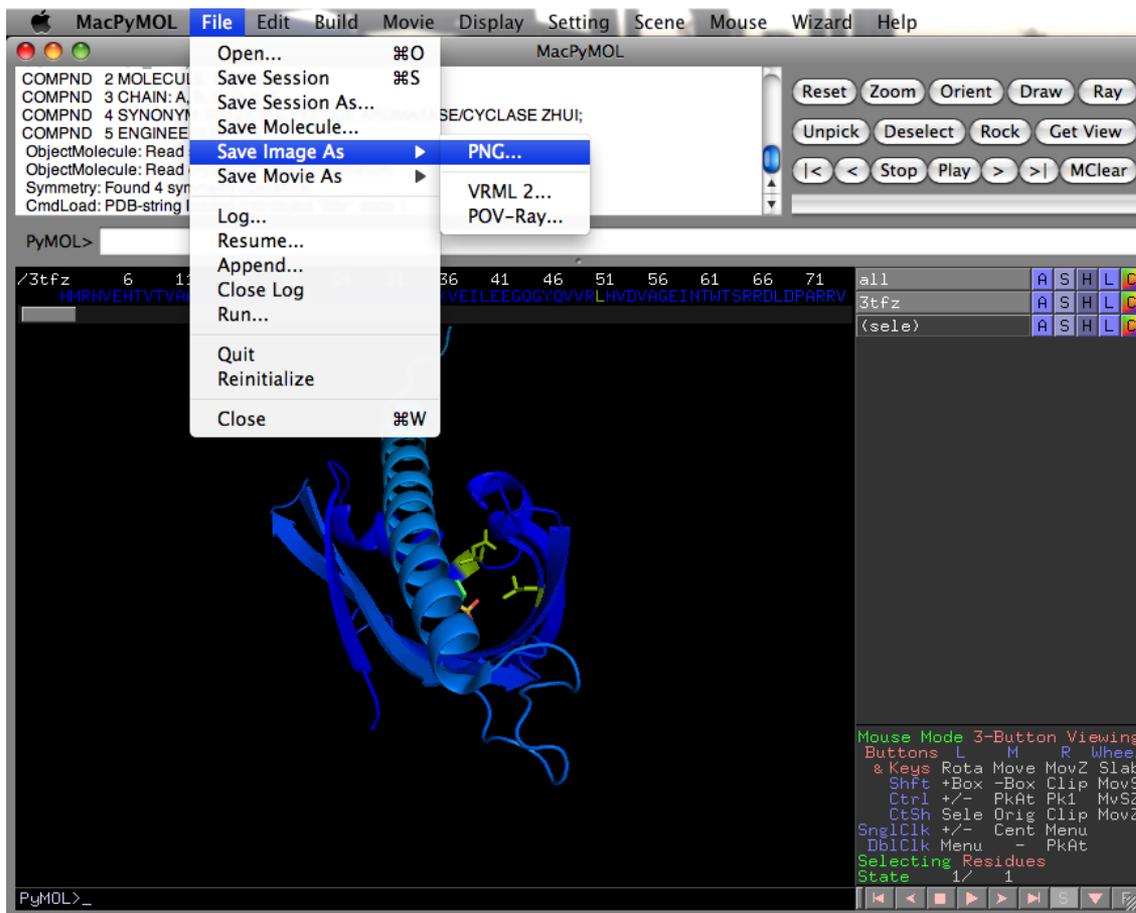
Useful for your images:

Can color atoms (so many choices)



# Step 3: Use PyMol

Useful for your images:  
Save image



# Step 3: Use PyMol

This is not an attractive image in a document



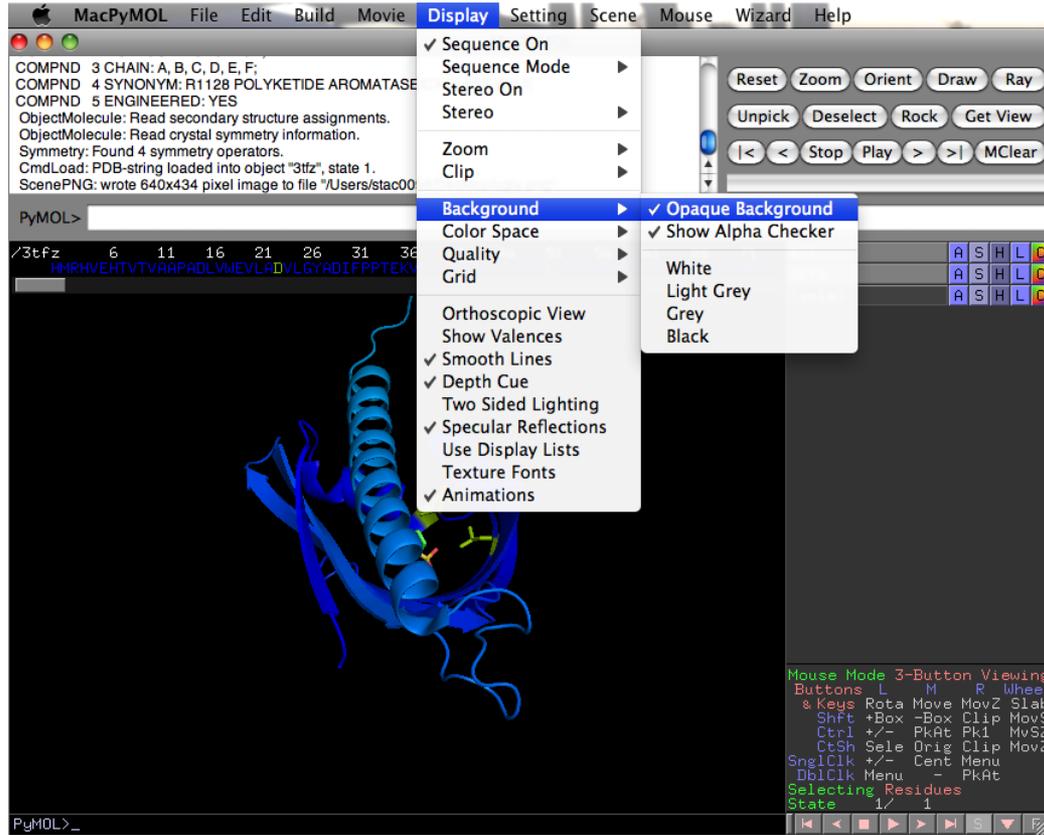
# Step 3: Use PyMol

To make a publication quality image:

(Tool Bar) Display -> Opaque Background off

Ray (button on top right corner)

(Tool Bar) File -> Save Image as -> PNG...



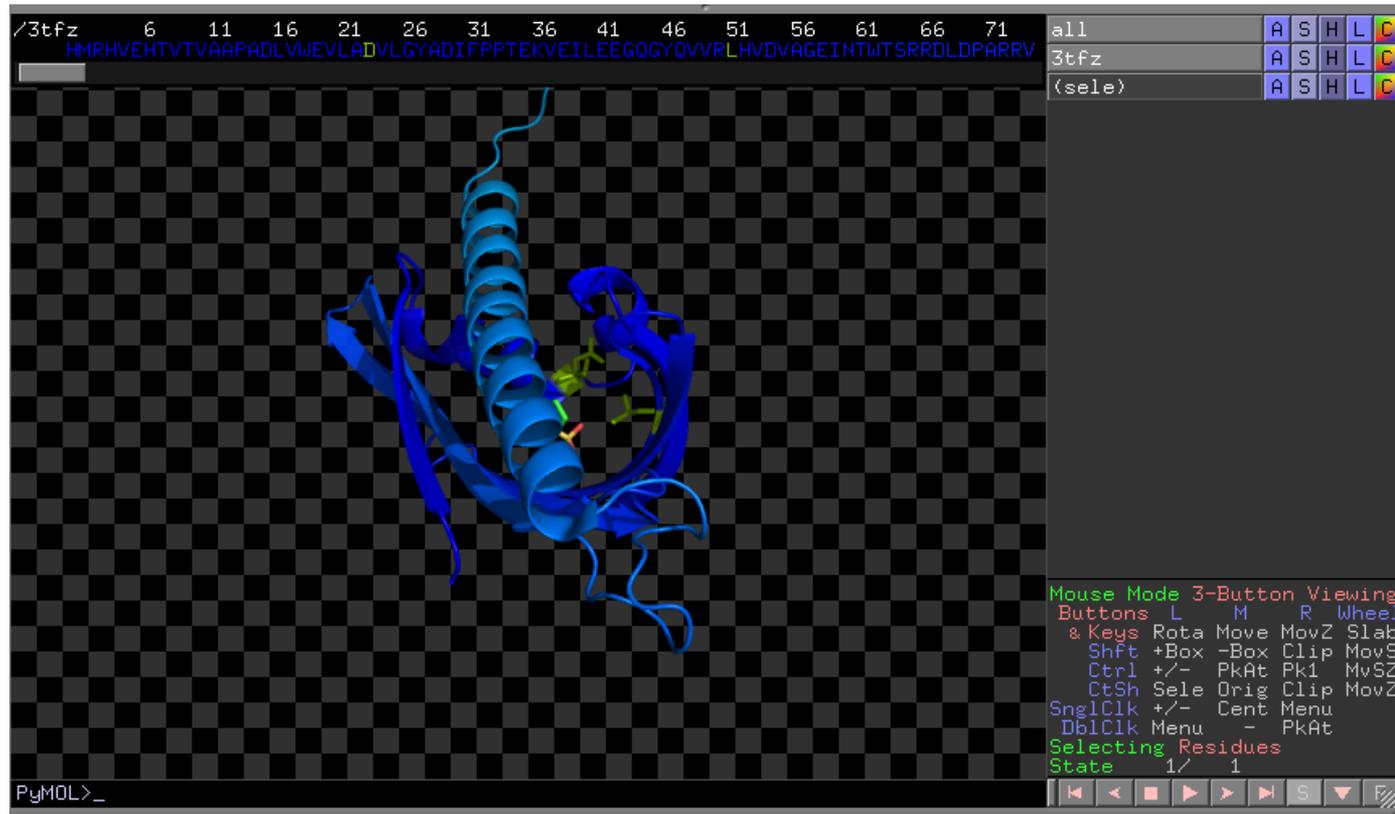
# Step 3: Use PyMol

To make a publication quality image:

(Tool Bar) Display -> Opaque Background off

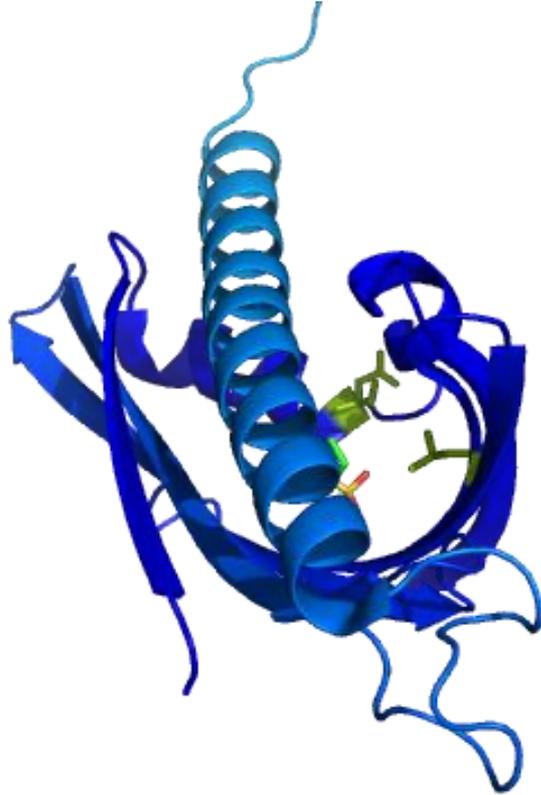
Ray (button on top right corner)

(Tool Bar) File -> Save Image as -> PNG...



# Step 3: Use PyMol

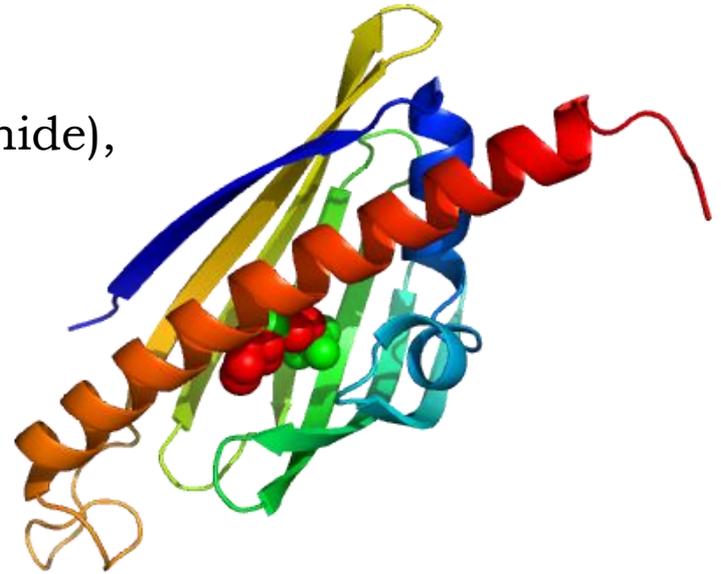
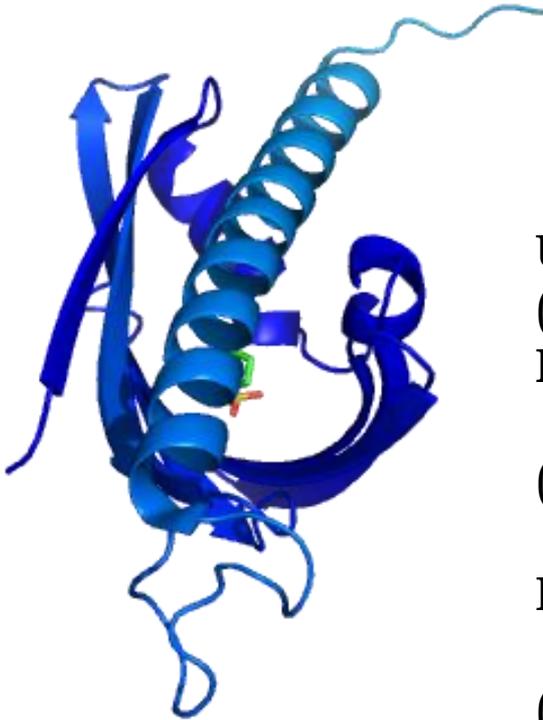
This is better



# Step 3: Use PyMol

Basic commands: A (action), S (show), H (hide),  
C (color)

Bottom Right Corner: S (sequence), F (full)



Useful for your images:  
(on commands on right) Action -> Preset ->  
Publication

(Tool Bar) Display -> Opaque Background off

Ray (button on top right corner)

(Tool Bar) File -> Save Image as -> PNG...