

SAT workflow

1: load molecule or scene

2: select atoms

3: draw, color, label repeat 2+3 as needed

4: check scene

load scene

Detail

Karsten_Theis/myoglobin ~

A Proteopedia page name Scene name

5: save scene & caption

6: insert green link

build your selection groups: all Protein all protein alpha carbon backbone/mainchain helix sheech sidechain turn Nucleic acid limit to chains: all e.g. A.C.D limit to residue types: HEM, OXY limit to residue numbers: all e.g. 18,23-25,32 limit to elements: all all	Select Atoms
Hold cirl to select multiple groups e.g. Fe.2H.31P replace selection add to selection remove from selection limit selection invert and center invert current selection center on current selection select within distance	ball and stick stick/wireframe60 spacefill 100% dots 100% backbone90 trace90 ribbon cartoori strands rocket meshribbon 2.5 surface halos Leaving the input field to the right of a representation-type blank choose is desired. Ball and stock is a combination of wireframe and spacefill. replace representation add to representation remove from representation
Select atoms within A of current selection. Select atoms within A of current selection. Expand selection to include entire residues containing any selected atoms. go mouse click selects	center on current selection center on visible atoms hide selection
onothing center atom element residue/ligand chain	ssbonds on (backbone) v color v hbonds off v color v color v color v

how to 1aload s		~	e 2 selections		→ 2b
3a representations	colors	labels	save scene	Re	set SAT

·	
	.:1
Scene caption	
The iron atom (orange) is complexed by six (four nitrogen atoms from the porphyrin rin nitrogen from His 93, and one oxygen atom bound dioxygen, red spacefill).	ng, one
	.:i
WikiText — Copy and paste the following line where yo	u want the
WikiText Copy and paste the following line where yos scene link to appear (scroll down if needed)	

Version number

10

load molecule	1
By PDB code: load	
Asymmetric Unit O Biological Assembly	\perp
From Proteopedia uploaded file:	load
(To load from an uploaded file, first upload the fi	ile to Proteopedia)

	color Selection Deackground isosurface Caption Background Color Caption Font Color Demo Caption
mouse click selects	
● nothing ○ atom	3
label selected atoms text: atom name element 3-letter residue code residue # chain	
set label clear labels from selection labels are set to each atom in a selection color label size font pointer off Label position: x offset y offset	elements (CPK) composition chain N->C rainbow (named chain) secondary structure hydrophobic/polar charge, protein evolutionary conserva
measurements [hide] color v size v units v labels on v delete all measurements	temperature, fixed temperature, relative transparency O % transparent go

Check for

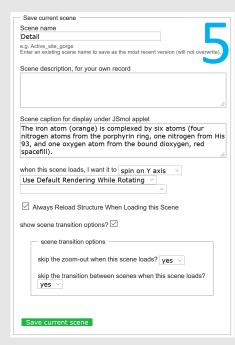
centering

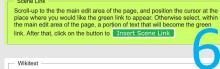
spare parts

in frame

occlusions

orientation





Copy and paste the following line where you want the scene link to appear (scroll down if needed) and edit the TextToBeDisplayed:

<scene name='86/865266/Detail /16'>TextToBeDisplayed</scene>

Upon saving a scene, wikitext for creating a link to the saved scene will appear above.