

SAT workflow

- 1: load molecule or scene
- 2: select atoms
- 3: draw, color, label
- 4: check scene
- 5: save scene
- 6: insert green link



1a

1b

3c

3b

6a

6b

currently loaded file source timestamp
2kqp PDB 20100430

Select Atoms ALL NONE (120 atoms currently selected)

Show Selected with Halos ON OFF

Use Simplified Rendering While Moving

Advanced:

Available under Jmol window

build your selection

groups: all

Protein

- all protein
- alpha carbon
- backbone/mainchain
- helix
- sheet
- sidechain
- turn

Nucleic acid

limit to chains: all
e.g. A,C,D

limit to residue types: all
e.g. PHE,ALA,GLY

limit to residue numbers: all
e.g. 18,23-25,32

limit to elements: all
e.g. Fe,2H,31P

replace selection

invert and center

select within distance

Select atoms within A of current selection.

Expand selection to include entire residues containing any selected atoms.

mouse click selects

nothing center atom element residue/ligand chain

color

selection background isosurface

elements (CPK)

N->C rainbow (named chain)

secondary structure

charge, protein

temperature, fixed

transparency

0 % transparent

Check for

4

- centering
- spare parts
- in frame
- occlusions
- orientation

set selection representation

ball and stick stick/wireframe90 spacefill100

dots100% backbone90 trace90 ribbon

cartoon strands rocket

meshribbon2.5 surface halos

Leaving the input field to the right of a representation-type blank chooses its default setting.
Ball and stick is a combination of wireframe and spacefill.

zshade slab / depth100 0

disulfide and hydrogen bonds [hide]

ssbonds on (backbone) color

hbonds off color

mouse click selects

nothing atom

label selected atoms

text:

atom name element 3-letter residue code residue #

chain

labels are set to each atom in a selection

color label size... font...

pointer off Label position: x offset4 y offset4

measurements [hide]

color size... units... labels on

Save current scene

Scene name

e.g. Active_site_gorge
Enter an existing scene name to save as the most recent version (will not overwrite).

Scene description, for your own record

Scene caption for display under JSmol applet

when this scene loads, I want it to stay still

Use Default Rendering While Rotating Render on Normal Quality When Loading

Always Reload Structure When Loading this Scene

show scene transition options?

scene transition options

skip the zoom-out when this scene loads? yes

skip the transition between scenes when this scene loads? yes

Wikitext

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

Scene Link

Scroll-up to the the main edit area of the page, and position the cursor at the place where you would like the green link to appear. Otherwise select, within the main edit area of the page, a portion of text that will become the green link. After that, click on the button to

Reference:

proteopedia.org/w/Scene_authoring_tools

search

scene authoring tools