#### PDB entries



Residues relevant for validation (> 6 heavy atoms no amino acids no nucleotides)



(complete structure, correct topology and chirality, annotations)



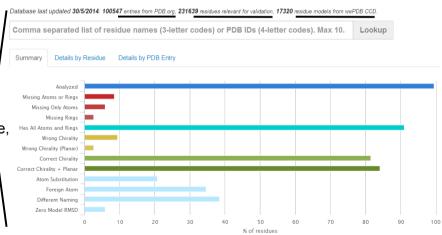
Residue models (reference)

#### Motive Validator DB

Database of validation results for ligands and residues in Protein Data Bank.

MotiveValidator DB contains precomputed validation results for ligands and residues in the Protein Data Bank. The database is updated on a weekly basis.

The residues deemed relevant for validation are all ligands and residues with reasonable size (more than six heavy atoms), with the exception of amino acids and nucleotides. The validation is performed using MotiveValidator, and the residue models from wwPDB Chemical Component Dictionary (wwPDB CCD) are used as reference structures for validation.



#### Motive Validator DB

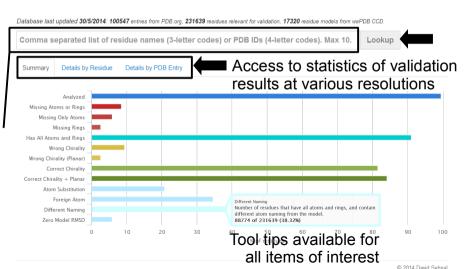
Database of validation results for ligands and residues in Protein Data Bank.

General description

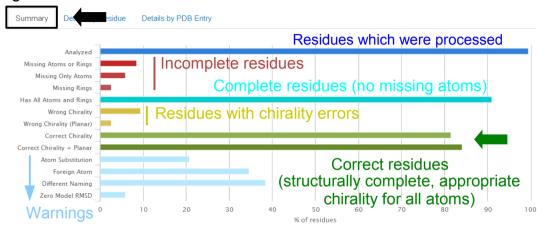
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Direct access
to detailed
validation
results for
specific
residues, or for
all relevant
residues in
specific PDB
entries.



### Overview of results for the validation of ligands and residues across the entire PDB

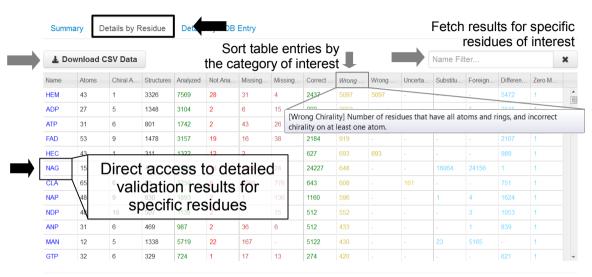


### Color coding

Each analyzed residue is counted as correct if it is complete and has correct chirality on all its atoms. Warnings are given for mild inconsistencies when compared to the model residue serving as reference.



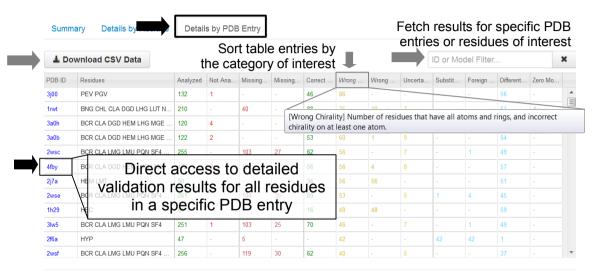
#### Overview of validation results for each ligand or residue



Each analyzed residue is counted as correct if it is complete and has correct chirality on all its atoms. Warnings are given for mild inconsistencies when compared to the model residue serving as reference.



#### Overview of validation results for each PDB entry



Each analyzed residue is counted as correct if it is complete and has correct chirality on all its atoms. Warnings are given for mild inconsistencies when compared to the model residue serving as reference.





# Detailed validation results for all residues in a specific PDB entry

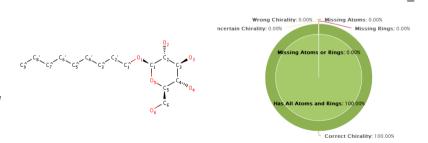


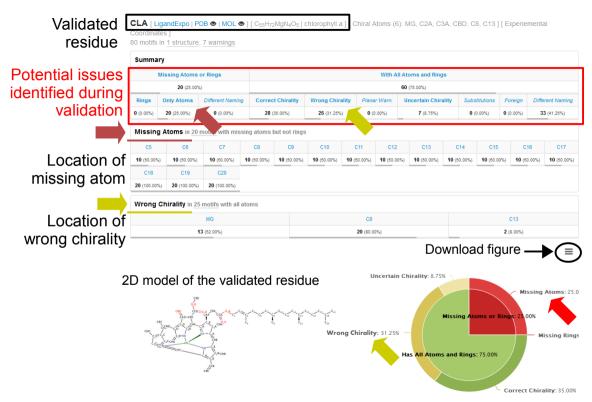
Scroll down for the summary of the issues found for each validated residue

### Residues validated in this PDB entry

 $\begin{aligned} \textbf{BNG} & \text{ [LigandExpo | PDB} \bullet \text{ | MOL} \bullet \text{ ] [} \text{ C}_{15}\text{H}_{30}\text{O}_{8} \text{ | b-nonylglucoside ] [} \text{ Chiral Atoms (5): C1, C2, C3, C4, C5] [} \text{ [Experiemental Coordinates ] } \\ & \text{10 motifs in } \underline{1} \underline{\text{structure}} \end{aligned}$ 

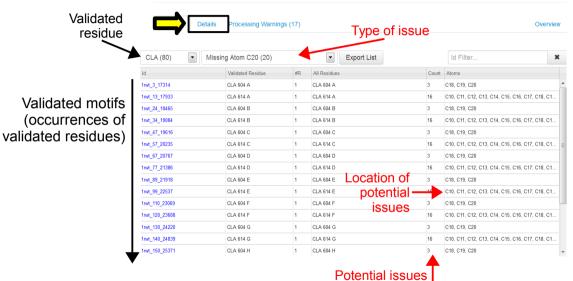
Summary									
Missing Atoms or Rings			With All Atoms and Rings						
0 (0.00%)			10 (100.00%)						
Rings	Only Atoms	Different Naming	Correct Chirality	Wrong Chirality	Planar Warn.	Uncertain Chirality	Substitutions	Foreign	Different Naming
0 (0.00%)	0 (0.00%)	0 (0.00%)	10 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)



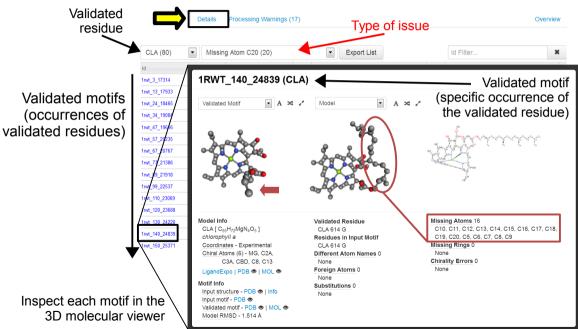




## Detailed validation results for all residues in a specific PDB entry

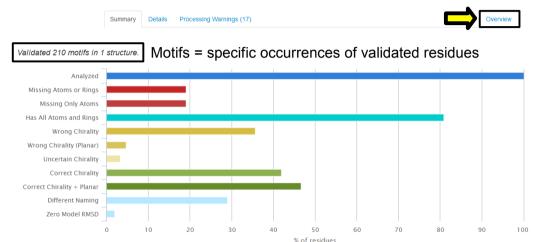








### Detailed validation results for all residues in a specific PDB entry



Each analyzed motif is counted as correct if it is complete and has correct chirality on all its atoms. Warnings are given for mild inconsistencies when compared to the model residue serving as reference.



