



# Full RCSB Integrative Structure Validation Report

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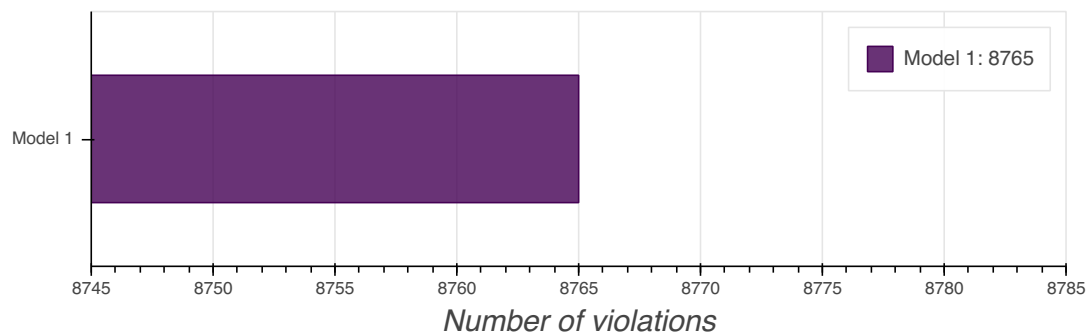
The following software were used in the production of this report:

*Integrative Modeling Validation Package : Version 1.0*

PDB ID	PDBDEV_00000025
Molecule Name	Architecture of Pol II(G) and molecular mechanism of transcription regulation by Gdown1
Title	Architecture of Pol II(G) and molecular mechanism of transcription regulation by Gdown1.
Authors	Jishage M;Yu X;Shi Y;Ganesan SJ;Chen WY;Sali A;Chait BT;Asturias FJ;Roeder RG

## Overall quality

### Model quality: Excluded Volume Analysis



### Ensemble information

*This entry consists of 1 distinct ensemble.*

### Entry composition

*There is 1 unique type of model in this entry. This model is titled Cluster 0 in state State\_0/None respectively.*

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Total residues
1	1	1	RPB1	A	1970
1	2	2	RPB2	B	1174
1	3	3	RPB3	C	275
1	4	4	RPB4	D	142
1	5	5	RPB5	E	210
1	6	6	RPB6	F	127
1	7	7	RPB7	G	172
1	8	8	RPB8	H	150
1	9	9	RPB9	I	125
1	10	10	RPB10	J	67
1	11	11	RPB11	K	117
1	12	12	RPB12	L	58
1	13	13	GDOWN1	M	368

### Methodology and software

Step number	Protocol ID	Method name	Method type	Number of computed models	Multi state modeling	Multi scale modeling
1	1	Replica exchange monte carlo	Sampling	5000000	False	True

### Data quality

#### Model quality

##### Excluded volume satisfaction

*Excluded volume satisfaction for the models in the entry are listed below.*

Models	Excluded Volume Satisfaction	Number of violations
1	99.87	8765.0

### Fit of model to data used for modeling

#### Fit of model to data not used for modeling

#### Uncertainty of data and model