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#### SCIENTIFIC NAME OF SOURCE ORGANISM

Clear

- Severe acute respiratory syndrome coronavirus 2 (20)
- Homo sapiens (3)

#### TAXONOMY

Clear

- Riboviria (20)
- Eukaryota (3)

#### EXPERIMENTAL METHOD

Clear

- X-RAY DIFFRACTION (16)
- ELECTRON MICROSCOPY (3)
- SOLUTION NMR (1)

#### ENTITY POLYMER TYPE

Clear

- Protein (20)

#### RESOLUTION (Å)

Clear

- 1.0 - 1.5 (1)
- 1.5 - 2.0 (5)
- 2.0 - 2.5 (5)
- 2.5 - 3.0 (7)
- 3.0 - 3.5 (1)

#### RELEASE DATE

Clear

- 2020 - 2024 (20)

#### ENZYME CLASSIFICATION NAME

Clear

- Hydrolases (3)

#### MEMBRANE PROTEIN NAME

Clear

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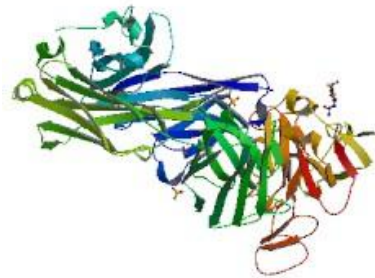
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3D View

## 6W41

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### Crystal structure of SARS-CoV-2 receptor binding domain in complex with human antibody CR3022

Yuan, M., Wu, N.C., Zhu, X.Y., Wilson, I.A.

(2020) Science

**Released** 2020-03-25**Method** X-RAY DIFFRACTION 3.084 Å**Organisms** Homo sapiens

Severe acute respiratory syndrome coronavirus 2

**Macromolecule** CR3022 Fab heavy chain (protein)

CR3022 Fab light chain (protein)

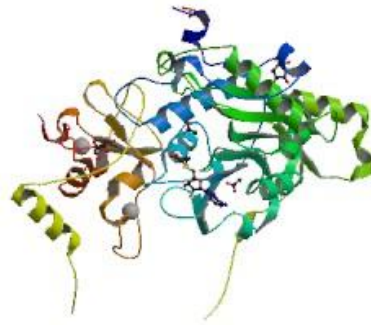
Spike glycoprotein receptor binding domain (protein)

**Unique Ligands** GOL, NAG, SO4

TRANSMEMBRANE PROTEINS:  
ALPHA-HELICAL (1)

SYMMETRY TYPE

Asymmetric (13)  
 Cyclic (11)  
 Dihedral (3)




6W4H

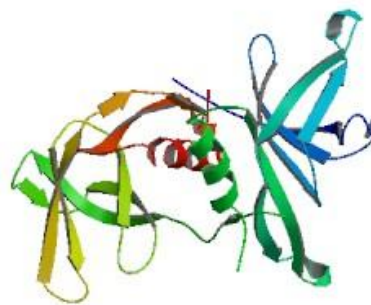
  

### 1.80 Angstrom Resolution Crystal Structure of NSP16 - NSP10 Complex from SARS-CoV-2

Minasov, G., Shuvalova, L., Rosas-Lemus, M., Kiryukhina, O., Wiersum, G., Godzik, A., Jaroszewski, L., Stogios, P.J., Skarina, T., Satchell, K.J.F., Center for Structural Genomics of Infectious Diseases (CSGID)

To be published

<b>Released</b>	2020-03-18
<b>Method</b>	X-RAY DIFFRACTION 1.8 Å
<b>Organisms</b>	Severe acute respiratory syndrome coronavirus 2
<b>Macromolecule</b>	SARS-CoV-2 NSP10 (protein) SARS-CoV-2 NSP16 (protein)
<b>Unique Ligands</b>	ACT, BDF, SAM, SO3, ZN




6W4B

### The crystal structure of Nsp9 RNA binding protein of SARS CoV-2

Tan, K., Kim, Y., Jedrzejczak, R., Maltseva, N., Endres, M., Michalska, K., Joachimiak, A., Center for Structural Genomics of Infectious Diseases (CSGID)

To be published

<b>Released</b>	2020-03-18
<b>Method</b>	X-RAY DIFFRACTION 2.95 Å
<b>Organisms</b>	Severe acute respiratory syndrome coronavirus 2
<b>Macromolecule</b>	Nsp9 replicase protein (protein)


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6W61

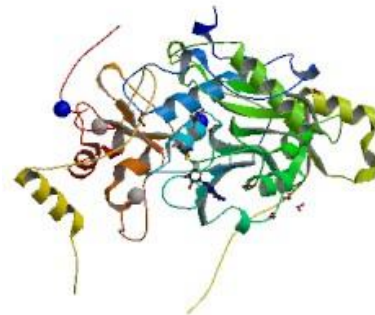
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### Crystal Structure of the methyltransferase-stimulatory factor complex of NSP16 and NSP10 from SARS CoV-2.

Kim, Y., Jedrzejczak, R., Maltseva, N., Endres, M., Godzik, A., Joachimiak, A., Center for Structural Genomics of Infectious Diseases (CSGID)

To be published

<b>Released</b>	2020-03-25
<b>Method</b>	X-RAY DIFFRACTION 2 Å
<b>Organisms</b>	Severe acute respiratory syndrome coronavirus 2
<b>Macromolecule</b>	2'-O-methyltransferase NSP16 (protein) Stimulatory factor NSP10 (protein)
<b>Unique Ligands</b>	CL, EDO, SAM, ZN


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6W75

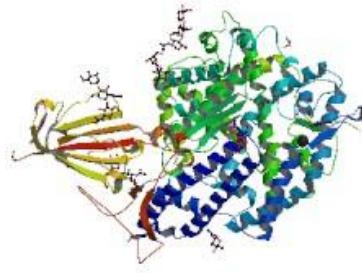
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### 1.95 Angstrom Resolution Crystal Structure of NSP10 - NSP16 Complex from SARS-CoV-2

Minasov, G., Shuvalova, L., Rosas-Lemus, M., Kiryukhina, O., Wiersum, G., Godzik, A., Jaroszewski, L., Stogios, P.J., Skarina, T., Satchell, K.J.F., Center for Structural Genomics of Infectious Diseases (CSGID)

To be published

<b>Released</b>	2020-03-25
<b>Method</b>	X-RAY DIFFRACTION 1.951 Å
<b>Organisms</b>	Severe acute respiratory syndrome coronavirus 2
<b>Macromolecule</b>	SARS-CoV-2 NSP10 (protein) SARS-CoV-2 NSP16 (protein)
<b>Unique Ligands</b>	FMT, NA, SAM, ZN


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## 6VW1

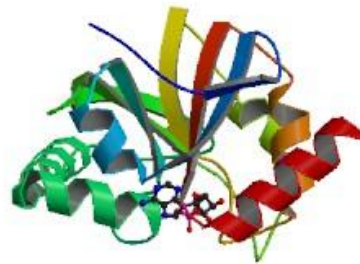
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Structure of 2019-nCoV chimeric receptor-binding domain complexed with its receptor human ACE2

Shang, J., Ye, G., Shi, K., Wan, Y.S., Aihara, H., Li, F.

(2020) Nature

<b>Released</b>	2020-03-04
<b>Method</b>	X-RAY DIFFRACTION 2.68 Å
<b>Organisms</b>	Homo sapiens Severe acute respiratory syndrome coronavirus 2
<b>Macromolecule</b>	2019-nCoV chimeric RBD (protein) Angiotensin-converting enzyme 2 (protein)
<b>Unique Ligands</b>	BMA, CL, EDO, NAG, ZN


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## 6W6Y

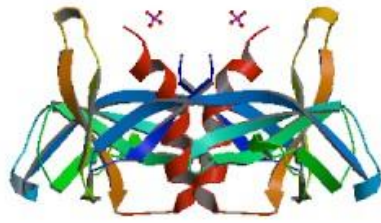
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Crystal Structure of ADP ribose phosphatase of NSP3 from SARS CoV-2 in complex with AMP

Michalska, K., Kim, Y., Jedrzejczak, R., Maltseva, N., Endres, M., Mececar, A., Joachimiak, A., Center for Structural Genomics of Infectious Diseases (CSGID)

To be published

<b>Released</b>	2020-03-25
<b>Method</b>	X-RAY DIFFRACTION 1.451 Å
<b>Organisms</b>	Severe acute respiratory syndrome coronavirus 2
<b>Macromolecule</b>	SARS-CoV-2 ADP ribose phosphatase (ADRP) (protein)
<b>Unique Ligands</b>	AMP, MES


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## 6W9Q

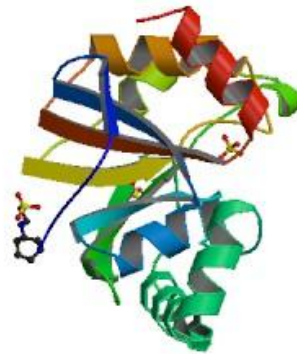
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### Peptide-bound SARS-CoV-2 Nsp9 RNA-replicase

Little, D.R., Gully, B.S., Riboldi-Tunncliffe, A., Rossjohn, J.

To be published

<b>Released</b>	2020-04-08
<b>Method</b>	X-RAY DIFFRACTION 2.05 Å
<b>Organisms</b>	Severe acute respiratory syndrome coronavirus 2
<b>Macromolecule</b>	SARS-CoV-2 3C-like proteinase peptide, Non-structural protein 9 fusion (protein)
<b>Unique Ligands</b>	PO4


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## 6VXS

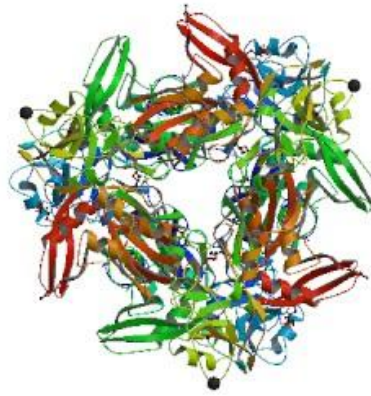
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### Crystal Structure of ADP ribose phosphatase of NSP3 from SARS CoV-2

Kim, Y., Jedrzejczak, R., Maltseva, N., Endres, M., Mececar, A., Michalska, K., Joachimiak, A., Center for Structural Genomics of Infectious Diseases (CSGID)

To be published

<b>Released</b>	2020-03-04
<b>Method</b>	X-RAY DIFFRACTION 2.03 Å
<b>Organisms</b>	Severe acute respiratory syndrome coronavirus 2
<b>Macromolecule</b>	ADP-ribose-1"-monophosphatase (protein)
<b>Unique Ligands</b>	EDO, NHE, SO4


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## 6VWW

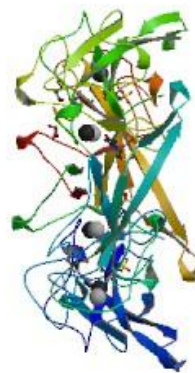
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### Crystal Structure of NSP15 Endoribonuclease from SARS CoV-2.

Kim, Y., Jedrzejczak, R., Maltseva, N., Endres, M., Godzik, A., Michalska, K., Joachimiak, A., Center for Structural Genomics of Infectious Diseases (CSGID)

(2020) Biorxiv

<b>Released</b>	2020-03-04
<b>Method</b>	X-RAY DIFFRACTION 2.2 Å
<b>Organisms</b>	Severe acute respiratory syndrome coronavirus 2
<b>Macromolecule</b>	NSP15 endoribnuclease (protein)
<b>Unique Ligands</b>	ACY, CL, GOL, MG


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## 6VYO

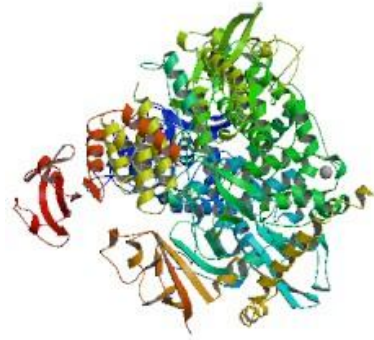
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### Crystal structure of RNA binding domain of nucleocapsid phosphoprotein from SARS coronavirus 2

Chang, C., Michalska, K., Jedrzejczak, R., Maltseva, N., Endres, M., Godzik, A., Kim, Y., Joachimiak, A., Center for Structural Genomics of Infectious Diseases (CSGID)

To be published

<b>Released</b>	2020-03-11
<b>Method</b>	X-RAY DIFFRACTION 1.7 Å
<b>Organisms</b>	Severe acute respiratory syndrome coronavirus 2
<b>Macromolecule</b>	RNA binding domain of nucleocapsid protein (protein)
<b>Unique Ligands</b>	CL, GOL, MES, ZN


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## 7BTF

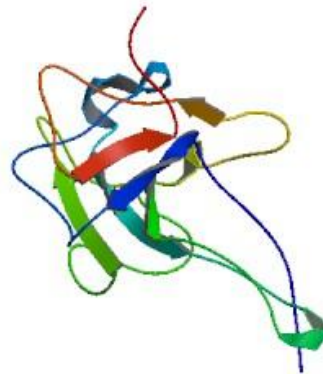
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SARS-CoV-2 RNA-dependent RNA polymerase in complex with cofactors in reduced condition

Gao, Y., Yan, L., Huang, Y., Liu, F., Cao, L., Wang, T., Wang, Q., Lou, Z., Rao, Z.

(2020) Biorxiv

<b>Released</b>	2020-04-08
<b>Method</b>	ELECTRON MICROSCOPY 2.95 Å
<b>Organisms</b>	Severe acute respiratory syndrome coronavirus 2
<b>Macromolecule</b>	SARS-Cov-2 NSP12 (protein)
	SARS-Cov-2 NSP7 (protein)
	SARS-Cov-2 NSP8 (protein)
<b>Unique Ligands</b>	ZN


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## 6YI3

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The N-terminal RNA-binding domain of the SARS-CoV-2 nucleocapsid phosphoprotein

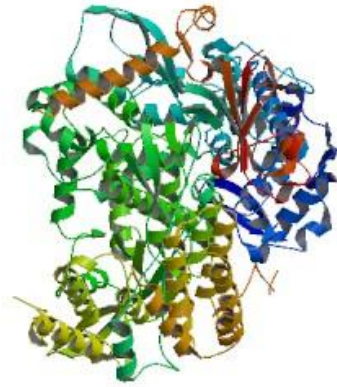
Veverka, V., Boura, E.

To be published

<b>Released</b>	2020-04-08
<b>Method</b>	SOLUTION NMR
<b>Organisms</b>	Severe acute respiratory syndrome coronavirus 2
<b>Macromolecule</b>	N-NTD (protein)






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## 6M71

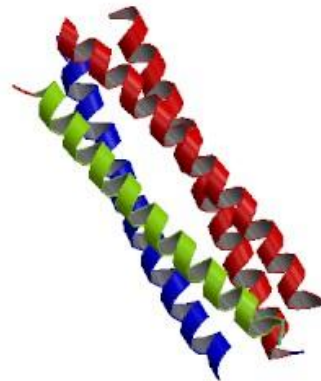
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SARS-Cov-2 RNA-dependent RNA polymerase in complex with cofactors

Gao, Y., Yan, L., Huang, Y., Liu, F., Cao, L., Wang, T., Wang, Q., Lou, Z., Rao, Z.

To be published

<b>Released</b>	2020-04-01
<b>Method</b>	ELECTRON MICROSCOPY 2.9 Å
<b>Organisms</b>	Severe acute respiratory syndrome coronavirus 2
<b>Macromolecule</b>	SARS-CoV-2 NSP12 (protein)
	SARS-CoV-2 NSP7 (protein)
	SARS-CoV-2 NSP8 (protein)


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## 6LVN

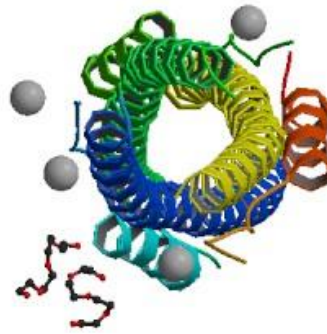
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Structure of the 2019-nCoV HR2 Domain

Zhu, Y., Sun, F.

To be published

<b>Released</b>	2020-02-26
<b>Method</b>	X-RAY DIFFRACTION 2.47 Å
<b>Organisms</b>	Severe acute respiratory syndrome coronavirus 2
<b>Macromolecule</b>	SARS-coV-2 S2 subunit (protein)


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## 6LXT

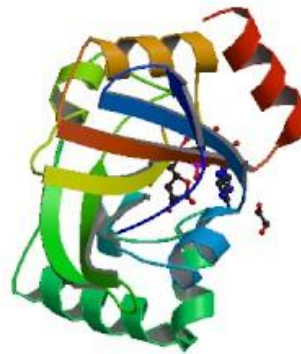
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### Structure of post fusion core of 2019-nCoV S2 subunit

Zhu, Y., Sun, F.

(2020) Cell Res

<b>Released</b>	2020-02-26
<b>Method</b>	X-RAY DIFFRACTION 2.9 Å
<b>Organisms</b>	Severe acute respiratory syndrome coronavirus 2
<b>Macromolecule</b>	SARS-CoV-2 S2 subunit, SARS-CoV-2 S2 subunit (protein)
<b>Unique Ligands</b>	PG4, ZN


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## 6W02

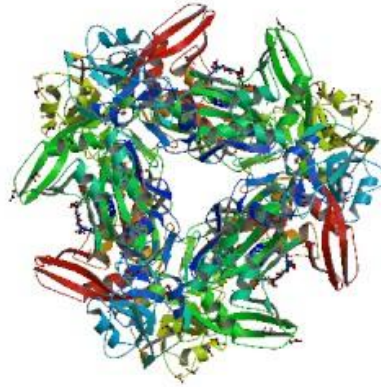
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### Crystal Structure of ADP ribose phosphatase of NSP3 from SARS CoV-2 in the complex with ADP ribose

Michalska, K., Kim, Y., Jedrzejczak, R., Maltseva, N., Endres, M., Mececar, A., Joachimiak, A., Center for Structural Genomics of Infectious Diseases (CSGID)

To be published

<b>Released</b>	2020-03-11
<b>Method</b>	X-RAY DIFFRACTION 1.5 Å
<b>Organisms</b>	Severe acute respiratory syndrome coronavirus 2
<b>Macromolecule</b>	ADP ribose phosphatase (protein)
<b>Unique Ligands</b>	APR, EDO

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### The 1.9 Å Crystal Structure of NSP15 Endoribonuclease from SARS CoV-2 in the Complex with a Citrate

Kim, Y., Jedrzejczak, R., Maltseva, N., Endres, M., Godzik, A., Michalska, K., Joachimiak, A., Center for Structural Genomics of Infectious Diseases (CSGID)

To be published

<b>Released</b>	2020-03-11
<b>Method</b>	X-RAY DIFFRACTION 1.9 Å
<b>Organisms</b>	Severe acute respiratory syndrome coronavirus 2
<b>Macromolecule</b>	NSP15 Endoribonuclease (protein)
<b>Unique Ligands</b>	CIT, EDO, PEG

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RCSB PDB is funded by the National Science Foundation (DBI-1832184), the US Department of Energy (DE-SC0019749), and the National Cancer Institute, National Institute of Allergy and Infectious Diseases, and National Institute of General Medical Sciences of the National Institutes of Health under grant R01GM133198.