

# BV-BRC Test Report

## S7. Domains and Motif Search

Item to test	Domains and Motifs Search
URL	<a href="https://www.bv-brc.org/searches/DomainAndMotifSearch">https://www.bv-brc.org/searches/DomainAndMotifSearch</a>
Prerequisites	None
References	<a href="https://www.bv-brc.org/docs/quick_references/searches_menu.html">https://www.bv-brc.org/docs/quick_references/searches_menu.html</a>
Tester(s)	Ron Kenyon
Test date	6-May-2022
Test Result	Passed

### Overview

- Test the Domains and Motifs Search using representative search criteria.
- Test using example Pathogen Group and Description.
- Test using example Keyword.
- Inspect search results to verify that they match search criteria.

### Test Results

- Test results were verified by examination of returned data via inspection and filters.
- All searches returned expected data, with results matching search criteria.

Keyword and Other Search Criteria

Pathogen Group: Influenza A Virus

Description: nucleoprotein

Advanced Search  
Domain and Motif Search

Search for protein domains and motifs of interest using generic keywords, pathogen group, taxon name, source database, domain id or name. For further explanation, please see the [Advanced and Motif Search Quick Reference Guide](#).

Keyword

Search term

Pathogen Group

Influenza A virus

Taxon Name

e.g. *Bacillus cereus*

Genome ID

335341.18

BRC ID

fig|114727.5.CDS.1

Source

e.g. CDD

Source ID

e.g. cd15483

Description

nucleoprotein

Additional

taxon id

+

Reset

Search

Result:

Domains and Motifs List View

DOMAINS AND MOTIFS: DESCRIPTION IS nucleoprotein AND GENOME ID IS   AND ( 14 Records )

Domains and Motifs

Download

KEYWORDS

ADV Search

HIDE

Source	Evidence								
Hamap (7)	InterProScan (14)								
Pfam (7)									
BRC ID	RefSeq Locus Tag	Gene	Product	Source	Source ID	Description	E Value	Evidence	
<input type="checkbox"/>	fig 211044.129.CDS.1	FLUAVs5gp1	NP	nucleocapsid protein	Hamap	MF_04070	Nucleoprotein [NP].	44.237679	InterProScan
<input type="checkbox"/>	fig 641809.73.CDS.1	UJ99_s5gp1	NP	nucleocapsid protein	Hamap	MF_04070	Nucleoprotein [NP].	42.611874	InterProScan
<input type="checkbox"/>	fig 1332244.16.CDS.1	TS66_s5gp1	NP	nucleocapsid protein	Pfam	PF00506	Influenza virus nucleoprotein	0.0	InterProScan
<input type="checkbox"/>	fig 641809.73.CDS.1	UJ99_s5gp1	NP	nucleocapsid protein	Pfam	PF00506	Influenza virus nucleoprotein	0.0	InterProScan
<input type="checkbox"/>	fig 211044.129.CDS.1	FLUAVs5gp1	NP	nucleocapsid protein	Pfam	PF00506	Influenza virus nucleoprotein	0.0	InterProScan
<input type="checkbox"/>	fig 335341.17.CDS.1	FLUAVH3N2_s5p1	NP	nucleocapsid protein	Hamap	MF_04070	Nucleoprotein [NP].	42.86927	InterProScan
<input type="checkbox"/>	fig 130760.24.CDS.1	FLUAVAHHH9N2s5gp1	np	nucleocapsid protein	Hamap	MF_04070	Nucleoprotein [NP].	43.037365	InterProScan
<input type="checkbox"/>	fig 335341.17.CDS.1	FLUAVH3N2_s5p1	NP	nucleocapsid protein	Pfam	PF00506	Influenza virus nucleoprotein	0.0	InterProScan
<input type="checkbox"/>	fig 93838.19.CDS.1	FLUAVH5N1_s5gp1	NP	nucleocapsid protein	Hamap	MF_04070	Nucleoprotein [NP].	43.244862	InterProScan
<input type="checkbox"/>	fig 130760.24.CDS.1	FLUAVAHHH9N2s5gp1	np	nucleocapsid protein	Pfam	PF00506	Influenza virus nucleoprotein	0.0	InterProScan
<input type="checkbox"/>	fig 93838.19.CDS.1	FLUAVH5N1_s5gp1	NP	nucleocapsid protein	Pfam	PF00506	Influenza virus nucleoprotein	0.0	InterProScan
<input type="checkbox"/>	fig 488241.41.CDS.1	FLUAVH2N2_s5p1	NP	nucleocapsid protein	Pfam	PF00506	Influenza virus nucleoprotein	0.0	InterProScan
<input type="checkbox"/>	fig 1332244.16.CDS.1	TS66_s5gp1	NP	nucleocapsid protein	Hamap	MF_04070	Nucleoprotein [NP].	42.874523	InterProScan
<input type="checkbox"/>	fig 488241.41.CDS.1	FLUAVH2N2_s5p1	NP	nucleocapsid protein	Hamap	MF_04070	Nucleoprotein [NP].	43.3578	InterProScan

Keyword: Glycoprotein

Result:

Domains and Motifs List View

DOMAINS AND MOTIFS: Glycoprotein ( 30875 Records )

Domains and Motifs

Download

KEYWORDS

ADV Search

Hide

SourceEvidence

Gene3D (15058)Hamap (438)PANTHER (6328)PRINTS (218)Pfam (7863)ProSitePatterns (35)

InterProScan (30875)

<input type="checkbox"/>	BRC ID	RefSeq Locus Tag	Gene	Product	Source	Source ID	Description	E Value	Evidence
<input type="checkbox"/>	fig 208899.8.CDS.1	Cupixl_sSgp1		glycoprotein precursor	Pfam	PF00798	Arenavirus glycoprotein	1.9E-25	InterProScan
<input type="checkbox"/>	fig 1642436.6.CDS.1	ABY39_sSgp1		glycoprotein precursor	Pfam	PF00798	Arenavirus glycoprotein	0.0	InterProScan
<input type="checkbox"/>	fig 82977.3.peg.2752			Efflux transport system, outer membrane factor (OMF) lipoprotein	PANTHER	PTHR20003	GLYCOPROTEIN-RELATED	3.7E-20	InterProScan
<input type="checkbox"/>	fig 1588685.16.CDS.1	SF16_sSgp1		glycoprotein	Pfam	PF00798	Arenavirus glycoprotein	0.0	InterProScan
<input type="checkbox"/>	fig 11269.340.CDS.4	MARV_gp4	GP	glycoprotein	Pfam	PF01611	Filovirus glycoprotein	0.0	InterProScan
<input type="checkbox"/>	fig 1134579.6.CDS.1	D012_sSgp1	GP	Glycoprotein precursor	Pfam	PF00798	Arenavirus glycoprotein	0.0	InterProScan
<input type="checkbox"/>	fig 743685.8.CDS.1	CO50_sSgp1	GP	GP	Pfam	PF00798	Arenavirus glycoprotein	0.0	InterProScan
<input type="checkbox"/>	fig 11631.16.CDS.1	TCRVsSgp1		glycoprotein	Pfam	PF00798	Arenavirus glycoprotein	0.0	InterProScan
<input type="checkbox"/>	fig 186541.14.CDS.6	CIEBOVp4	GP	second secreted glycoprotein	Pfam	PF01611	Filovirus glycoprotein	4.8E-106	InterProScan
<input type="checkbox"/>	fig 2169994.7.CDS.1	PARV_sSgp1	GPC	glycoprotein precursor	Pfam	PF00798	Arenavirus glycoprotein	0.0	InterProScan
<input type="checkbox"/>	fig 186540.37.CDS.6	SEVgp4	GP	second secreted glycoprotein	Pfam	PF01611	Filovirus glycoprotein	7.1E-93	InterProScan
<input type="checkbox"/>	fig 649188.10.CDS.1	Lujo_sS_gp1		glycoprotein precursor	Pfam	PF00798	Arenavirus glycoprotein	8.0E-119	InterProScan
<input type="checkbox"/>	fig 1518603.7.CDS.1	D1P93_sSgp1	GP	glycoprotein precursor	Pfam	PF00798	Arenavirus glycoprotein	0.0	InterProScan
<input type="checkbox"/>	fig 45221.24.CDS.1	LATV_sSgp1		glycoprotein precursor	Pfam	PF00798	Arenavirus glycoprotein	0.0	InterProScan
<input type="checkbox"/>	fig 82977.3.peg.2752			Efflux transport system, outer membrane factor (OMF) lipoprotein	PANTHER	PTHR20003	GLYCOPROTEIN-RELATED	3.7E-20	InterProScan
<input type="checkbox"/>	fig 186538.2733.CDS.6	ZEBOVgp4	GP	second secreted glycoprotein	Pfam	PF01611	Filovirus glycoprotein	0.0	InterProScan
<input type="checkbox"/>	fig 45219.119.CDS.1	GTOV_sSgp1		glycoprotein precursor	Pfam	PF00798	Arenavirus glycoprotein	7.1E-25	InterProScan
<input type="checkbox"/>	fig 649188.10.CDS.1	Lulo sS gp1		olycoprotein precursor	Pfam	PF00798	Arenavirus olycoprotein	3.4E-25	InterProScan

1 - 200 of 30875 results

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