



CSpritz - Accurate detection of protein disorder

Version 1.2

Title: PF3D7_1024000.fasta
emailaddress: mubasher.mohammed@su.se
pid: 1976228859

Status: finished

NB: The data will be kept for **two weeks**, after which it will be **deleted** without further notice.

Available files: [\(help\)](#)

Your input parameters:

Fasta sequences (amino, secondary structure, disorder, confidence):

Disorder plot:

Graph of PDB homologue(s) found::

Disorder Prediction (with disorder probability):

Protein statistics :

HTML

TXT

PDF

PDF

TXT

TXT

TXT

Disordered residues and stats: [\(help\)](#)[illegible]

Total amino acids:	566
Total % disorder:	37.27
Total no. of disordered regions > 30 amino acids:	2
Total no. of disordered regions > 50 amino acids:	2
Number of disordered segments:	15
Length distribution of segments (N to C terminal order):	1 1 6 4 2 2 1 12 9 84 1 3 12 9 1 9

Disordered segment motifs: [\(help\)](#)
10 ELM motif(s) in total found in disordered residue(s)

SS Motif for disorder segment 1:
(start,end): (40,103)

```

      40      49      59      69      79      89      99
seq : YNNNNNNNKHINHINGGGGKHINKSSSHNKGCGILNNEVLKKPKENKKLENVPKDIKEHVSEISS
S.S. : CCCCCCCCCHHHHCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
alpha: 222222234454432211122101111100111123210012333344321133444444322
beta : 000000001211110000122100000012210100000000000000000000000000
coil : 677777764333445677764568877788666765678886655555687655444454566

```

Graph of Probability(helix, strand, coil) [PDF](#)
Amino SS Probability(helix, strand, coil) [TXT](#)

Linear motif(s):

```

residues (40,43)  LIG_SH2_GRB2 =
                  YNNN
residues (74,77)  LIG_PDZ_3 = NEVL

```

SS Motif for disorder segment 2:

(start,end): (203,214)

```

      203      212
seq   : DRKRADQLAKML
S.S.  : HHHHHHHHHHHH
alpha: 588999999997
beta  : 000000000000
coil  : 411000000002

```

SS Motif for disorder segment 3:

(start,end): (234,242)

```
seq  : MSNKKQKHF
S.S.  : HHHHHHHHHH
alpha: 666666667
beta  : 000000001
coil  : 233223321
```

SS Motif for disorder segment 4:

(start,end): (282,365)

[illegible]

SS Motif for disorder segment 5:

(start,end): (379,381)

```
seq  : KNN
S.S.  : CCC
alpha: 001
beta  : 000
coil  : 888
```

SS Motif for disorder segment 6:

(start,end): (413,424)

```

      413      422
seq   : ILQFEKNDKDKE
S.S.  : HHHHHCCCCCCC
alpha: 444444321111
beta  : 233321000013
coil  : 212234677765

```

SS Motif for disorder segment 7:

(start,end): (452,460)

```
seq  : KIEIKKIDI
S.S.  : EEEEEEEEE
alpha: 100000000
beta  : 677766668
coil  : 222122221
```

SS Motif for disorder segment 8:

(start,end): (558,566)

```
seq  : LSNNANMLN
S.S.  : HHHCCCCC
alpha: 655444320
beta  : 000000000
coil  : 344555679
```

residues (81,85) LIG_APCC_KENbox_2
= GKENK
residues (87,91) LIG_APCC_KENbox_2
= LKENV
residues (88,91) LIG_PDZ_3 = KENV
residues (96,99) LIG_PDZ_3 = KEHV

Graph of Probability(helix, strand, coil) [PDF](#)
Amino SS Probability(helix, strand, coil) [TXT](#)

Linear motif(s):

residues (207,210) **LIG PDZ 3 = ADOL**

Graph of Probability(helix, strand, coil) [PDF](#)
Amino SS Probability(helix, strand, coil) [TXT](#)

Linear motif(s):

Graph of Probability(helix, strand, coil) [PDF](#)
Amino SS Probability(helix, strand, coil) [TXT](#)

Linear motif(s):

```

residues (322,328)  LIG_FHA_1 =
                    DDTNFIE
residues (340,349)  LIG_MAPK_1 =
                    KKKKNETIKF
residues (344,347)  LIG_PDZ_3 = NETI

```

Graph of Probability(helix, strand, coil) [PDF](#)
Amino SS Probability(helix, strand, coil) [TXT](#)

Linear motif(s):

Graph of Probability(helix, strand, coil) [PDF](#)
Amino SS Probability(helix, strand, coil) [TXT](#)

Linear motif(s):

Graph of Probability(helix, strand, coil) [PDF](#)
Amino SS Probability(helix, strand, coil) [TXT](#)

Linear motif(s):

Graph of Probability(helix, strand, coil) [PDF](#)
Amino SS Probability(helix, strand, coil) [TXT](#)

Linear motif(s):