ConSurf Results for job:C9J9N5 date:29/05/2024

```
1          11         21         31         41
MASTEGANNM PKQVEVRMHD SHLGSEEPKH RHLGLRLCDK LGKNLLLTLT
eeeeeebeeb eeebebebee eebeeeeeee eeeeeebeee beeebbbbbb
     f          f                              f

51         61         71         81         91
VFGVILGAVC GGLLRLASPI HPDVVMLIAF PGDILMRMLK MLILPLIISS
bbbbbbbbbb bbbbeeeeee eeeebebbbb ebebbbebbe bbbbbbbbbb
    s   s  s    f                fsf    f  sf   s  ss    s

101        111        121        131        141
LITGLSGLDA KASGRLGTRA MVYYMSTTII AAVLGVILVL AIHPGNPKLK
bbbbbbebeb eeeeebbbeb bbbbbbbbbb bbbbbbbbbb bbeeeeeeee
          f    f          ss   ss s    s    s  s  ff

151        161        171        181        191
KQLGPGKKND EVSSLDAFLD LIRNLFPENL VQACFQQIQT VTKKVLVAPP
eeeeeeeeee eeeebebbbe bbeebbeeeb bebbbeebee eeeeeeeeee
           f    f    ff   f  f      s         f

201        211        221        231        241
PDEEANATSA VVSLLNETVT EVPEETKMVI KKGLEFKDGM NVLGLIGFFI
eeeeeeeeeb bbeeeeeeee eeeeeeeeee eeeeeeeeeb ebbbbbbbbb
                      f                     f  ss

251        261        271        281        291
AFGIAMGKMG DQAKLMVDFF NILNEIVMKL VIMIMWYSPL GIACLICGKI
bbbbbbeeee eebebbeebb ebbeebbbeb bbbbbbbbbb bbbbbbbbeb
   s                     f                ss ss   s    f

301        311        321        331        341
IAIKDLEVVA RQLGMYMVTV IIGLIIHGGI FLPLIYFVVT RKNPFSFFAG
bebeebeebb eebbbbbbbb bbbbbbbbbb bbbbbbbbbb eeeebebbee
                s   ss   s                   ffff

351        361        371        381        391
IFQAWITALG TASSAGTLPV TFRCLEENLG IDKRVTRFVL PVGATINMDG
bbebbbebbb ebeeebebeb bbebbeeeee beeebbebbb bbbbbbbbeb
  f    fs  f fffsfsf  s      f ff  f  f   fs s sss sssfs

401
TALYEAVAA
bbbbebbee
ssssf  ff
```

The conservation scale:

1 2 3 4 5 6 7 8 9

Variable Average Conserved

e - An exposed residue according to the neural network algorithm.

b - A buried residue according to the neural network algorithm.

f - A predicted functional residue (highly conserved and exposed).

s - A predicted structural residue (highly conserved and buried).

x - Insufficient data - the calculation for this site was performed on less than 10% of the sequences.