ConSurf Results for job:VMAT1nat date:14/08/2023

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1                11               21               31               41
MLRTILDAPQ       RLLKEGRASR       QLVLVVVFVA       LLLDNMLFTV       VVPIVPTFLY
                 eeee             eebbebbeeb       bebbbbbbb        beebbeebbe
                 f  ff            f    ss  fs      s  ssss          ffs f

51               61               71               81               91
DMEFKEVNSS       LHLGHAGSSP       HALASPAFST       IFSFFNNNTV       AVEESVPSGI
eeeeeeeeee       eeeee

101              111              121              131              141
AWMNDTASTI       PPPATEAISA       HKNNCLQGTG       FLEEEITRVG       VLFASKAVMQ
                 eeeeeee          ebeebbeebb       ebbbbbbeeb
                                  s    s          ssss  s

151              161              171              181              191
LLVNPFVGPL       TNRIGYHIPM       FAGFVIMFLS       TVMFAFSGTY       TLLFVARTLQ
eeebeebbee       bbeebbeebb       eebbeebeeb       beebbebeee       eebeebbbeb
f  sf   s        s     s          s               ssf             s   ss   s

201              211              221              231              241
GIGSSFSSVA       GLGMLASVYT       DDHERGRAMG       TALGGLALGL       LVGAPFGSVM
bebbbebbbb       bbbbbeebe        eeeebbebbb       ebbbbbbebe       eebbeebeee
s  sss           s    s          ff  fs           s    s s         f  ssf sf

251              261              271              281              291
YEFVGKSAPF       LILAFLALLD       GALQLCILQP       SKVSPESAKG       TPLFMLLKDP
eeeeeebbb        eebbeebeeb       beebeebbee       eeeeeeeee        beeeebeebe
f    ff  ss                                                             s  s

301              311              321              331              341
YILVAAGSIC       FANMGVAILE       PTLPIWMMQT       MCSPKWQLGL       AFLPASVSYL
ebeebbebbb       ebbbebbbb        bbbebbbeee       bebeeeeee        beeebbebbe
    s            s  f   s         f   s            f    f          fff s  s

351              361              371              381              391
IGTNLFGVLA       NKMGRWLCSL       IGMLVVGTSL       LCVPLAHNIF       GLIGPNAGLG
ebbeebbeeb       eeeebeebbe       ebbeebbebb       eebbebeee        ebeebbeebb
   f                                              s               s   s

401              411              421              431              441
LAIGMVDSSM       MPIMGHLVDL       RHTSVYGSVY       AIADVAFCMG       FAIGPSTGGA
ebbbbbbbb        bbebbebbee       eeeebbbbb        bbbbebebeb       bbebbeebee
    s  ss         s  s    sf      ff   ss  ss      s    s sf s      ss      f

451              461              471              481              491
IVKAIGFPWL       MVITGVINIV       YAPLCYYLRS       PPAKEEKLAI       LSQDCPMETR
eeeeeebeeb       beebbeebee       ebeee
     fs                           f f

501              511              521
MYATQKPTKE       FPLGEDSDEE       PDHEE
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The conservation scale:

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1 2 3 4 5 6 7 8 9
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Variable   Average   Conserved

e - An exposed residue according to the NACSES algorithm.

b - A buried residue according to the NACSES algorithm.

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

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