ConSurf Results for job:VGLUT3 consurfseqres date:10/03/2023

```
1            11           21           31           41
MPFKAFDTFK   EKILKPGKEG   VKNAVGDSLG   ILQRKIDGTT   EEEDNIELNE

51           61           71           81           91
EGRPVQTSRP   SPPLCDCHCC   GLPKRYIIAI   MSGLGFCISF   GIRCNLGVAI

101          111          121          131          141
VEMVNNSTVY   VDGKPEIQTA   QFNWDPETVG   LIHGSFFWGY   IMTQIPGGFI

151          161          171          181          191
SNKFAANRVF   GAAIFLTSTL   NMFIPSAARV   HYGCVMCVRI   LQGLVEGVTY

201          211          221          231          241
PACHGMWSKW   APPLERSRLA   TTSFCGSYAG   AVVAMPLAGV   LVQYIGWSSV
             e            eeeebeebee   eeeeeeeeee   beeeeeeebe
                               f           ff           ff       f    f

251          261          271          281          291
FYIYGMFGII   WYMFWLLQAY   ECPAAHPTIS   NEEKTYIETS   IGEGANVVSL
eeeeeeeeee   eeeeeeeee   eeeeeeeee   eeeeeeeee   eeeeeeeee
 ff   f        f    f        f  f ff       f    f

301          311          321          331          341
SKFSTPWKRF   FTSLPVYAII   VANFCRSWTF   YLLLISQPAY   FEEVFGFAIS
eeeebeeeeb   eeeeebebbb   ebbebebbe   ebbeebbeeb   beeebeeeee
      ff          ff   s                    f   ff  f

351          361          371          381          391
KVGLLSAVPH   MVMTIVVPIG   GQLADYLRSR   QILTTTAVRK   IMNCGGFGME
ebeeebbebb   eebeebbeeb   beebeebeee   eeeeeebbe   ebbeebbeeb
    f  s  s                       f            f  sf

401          411          421          431          441
ATLLLVVGFS   HTKGVAISFL   VLAVGFSGFA   ISGFNVNHLD   IAPRYASILM
beebeebbeb   eeeeebeeeb   bebbebbeb   bbbbebbbeb   bbeeebeebe
                                              s fs    sf   f   f

451          461          471          481          491
GISNGVGTLS   GMVCPLIVGA   MTRHKTREEW   QNVFLIAALV   HYSGVIFYGV
eebeeebeeb   beebeeebee   ebeeeeeeeb   eebbeebbee   beebeeebee
ff  ff   f     s     f        s        s     ss

501          511          521          531          541
FASGEKQEWA   DPENLSEEKC   GIIDQDELAE   EIELNHESFA   SPKKKMSYGA
ebebee
    f

551          561          571          581          591
TSQNCEVQKK   EWKGQRGATL   DEEELTSYQN   EERNFSTIS
```

The conservation scale:

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).

X - Insufficient data - the calculation for this site was

    performed on less than 10% of the sequences.