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

1 MPFKAFDTFK	11 EKIL <mark>K</mark> PG <mark>KE</mark> G	21 VKNAVGDSL <mark>G</mark>	31 ILQRKID <mark>G</mark> TT	41 EEEDNIELNE
51 EGRPVQTSRP	61 SPPLCDCH <mark>C</mark> C	71 GLPKRYIIAI	81 MSGL <mark>GFCIS</mark> F	91 GIRCNLGVAI
101 VEMVNNSTVY	111 VDGKPEIQTA	121 <b>Q F N W D P E T V G</b>	131 LIHGSFFWGY	141 IMTQIPGGFI
151 SNKFAANRVF	161 GAAIFLTSTL	171 NMFIPSAARV	181 HY <mark>GCVMCV</mark> RI	191 <b>L Q G L V E G V T Y</b>
201 PACHGMWSKW	211 APPLERSRLA	221 TTSFCGSYAG eeeebee f		
251 FYIYGMFGII eeeeeeeee	261  WYMFWLLQAY  e e e e e e e e e e e e e e e e e e e	271 ECPAAHPTIS eeeeeeee f f f f	281 NEEKTYIETS eeeeeeee	291  I G E G A N V V S L  e e e e e e e e e e
301  SKFSTPWKRF  e e e e b e e e e b f f	311 FTSLPVYAII eeeeebebbb ff s		331 YLLLISQPAY ebbeebbeeb f ff	
	361 MVMTIVVPIG e e b e e b b e e b		381 QILTTTAVRK eeeeebbe f sf	
		421 VLAVGFSGFA bebbebbeb	bbbebbeb	
451 GISNGVGTLS eebeeebeeb ff ff		471  MTRHKTREEW  ebeeeeeb s	e e b b e e b b e e	491 <b>HYSGVIFYGV beebeeebee</b>
501  FASGEKQEWA  ebebee f	511 DPENLSEEKC	521 GIIDQDELAE	531 EIEINHESFA	541 SPK <mark>K</mark> KMS <mark>YGA</mark>
551 T <mark>S Q N C E V Q K</mark> K	561 EWKGQRGATL	571 <b>DEEELTSYQN</b>	581 E <mark>ERNFSTIS</mark>	591

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.