## ConSurf Results for job:VGLUT2 consurfseqres date:10/03/2023

1	11	21	31	41
M <mark>ESV</mark> KQRILA	<mark>PGKEGLKNFA</mark>	GKSLGQIYRV	LEKKQDTGET	IELTEDGK <mark>PL</mark>
51 EVPERKAPLC	61	71	81	91
	DCT <mark>CFGLPR</mark> R	YII <mark>A</mark> IMSGL <mark>G</mark>	FCISFGIRCN	LGVAIVDMVN
101	111	121 PETVGMIHGS	131	141
NSTIHRGGKV	I K E K A K F N W D		FFWGYII <mark>T</mark> QI	PGGYIASRLA
151	161	171	181	191
ANRVFGAAIL	LTSTL <mark>N</mark> MLIP	SAARVHYGCV	IFVRILQGLV	<b>E <mark>G V T Y P A C H G</mark></b>
201  I W S K W A P P L E  e e f  251  S F G M V W Y M F W  e e e e e e e e e f	211  RSRLATTSFC  eeeeebeeeb ff  261  LLVSYESPAK eeeeeeeee	221 G S Y A G A V I A M e e b e e e e e e f fff  271 H P T I T D E E R R e e e e e e e e e f ff		eeebeeeee ff ff f
301 T P W R K F F T S M b e e e e b e e e e f f f  351 L S A V P H L V M T	311 PVYAIIVANF	321 CRSWTFYLLL	331 ISQPAYFEEV ebbeebf f 381 TTTVRKIMNC	
s s 401 LVVGYSHTRG	<b>s</b>	s f 421 GFSGFAISGF		441 YASILMGISN
GVGTLSGMVC eebeebbeeb f f sf  501 EKQPWADPEE	PIVGAMTKN eeebeeebee f s 511 TSEEKCGFIH			VIFYAIFASG beebeebeb f f TKSYGATTQA
551	561	571	581 591	
NGGWPSGWEK	KE <mark>E</mark> FVQGEVQ	DSHSY <mark>KDRVD</mark>	<b>Y S</b>	

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.