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

1 M <mark>ESV</mark> KQR <mark>ILA</mark>	11 PGKEGLKNFA	21 GKSLGQIYRV	31 LEKKQDTGET	41 IELTEDGKPL
51 EVPERKAPLC	61 DCTCFGLPR	71 YIIAIMSGL <mark>G</mark>	81 FCISFGIRCN	91 LGVAIVDMVN
101 NSTIHRGGKV	111 I K E K A K F N W D	121 PETVGMIHGS	131 FFWGYIITQI	141 PGGYIASRLA
151 ANRVFGAAIL	161 LTSTLNMLIP	171 SAARVHYGCV	181 IFVRILQGLV	191 E G V T Y P A C H G
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 f	211 RSRLATTSFC eeeeebeeeb ff 261 LLVSYESPAK eeeeeeeee	221 GSYAGAVIAM eebeeeee f fff 271 HPTITDEERR eeeeeeeee f ff	e e e e b e e e e f 281	eeebeeeee ff ff f
301 TPWRKFFTSM beeebeee ff f	311 PVYAIIVANF ebebbbebbe s	321 CRSWTFYLLL bebbbeebbe f f	331 ISQPAYFEEV ebbeebbeeb f f	beeeeebee f f f
ebbebbeebe s s 401 LVVGYSHTRG	IIVPIGGQIA e e b e e b b e e b s 411 VAISFLVLAV e b e e e b b e b b	beeeeeeeee s f 421 GFSGFAISGF		GGFGMEATLL ebbeebbebb 441 YASILMGISN ebeebeeebe
451 GVGTLSGMVC eebeebbeeb f f sf	f s	eeeeebbebb s s	eebbeebeeb f	beebeeebeb f f
501 EKQPWADPEE ee 551 NGGWPSGWEK	511 TSEEKCGFIH 561 KEEFVQGEVQ	521 EDELDEETGD 571 DSHSYKDRVD	531 ITQNYINYGT 581 591 YS	TKSYGATTQA

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.