ConSurf Results for job:VGLUT1 consurfseqres date:06/03/2023

1 M <mark>EFRQE</mark> EFRK	11 LAGRALGKLH	21 RLLEKRQEGA	31 ETLELSADGR	41 PVTTQTRDPP
51 V V D C T C F G L P	61 RRYIIAIMSG	71 LGFCISFGIR	81 CNLGVAIVSM	91 V N N S T T H R G G
101 HVVVQKAQFS	111 WDPETVGLIH	121 GsffwGYIVT	131 QIPGGFICQK	141 FAANRVFGFA
151 IVATSTLNML	161 IPSAARVHYG	171 CVIFVRILQG	181 LVEGVTYPAC	191 HGIWSKWAPP
201 LERSRLATTA eeebeeebee ffs f	211 FCGSYAGAVV eeeebeeee f fff	221 AMPLAGVLVQ eeeeeebee ff	231 YSGWSSVFYV eeeeebeeee ff fff	241 YGSFGIFWYL eeeeeee
251 FWLLVSYESP eeeeeeeee f	261 ALHPSISEEE eeeeeee f f	271 R K Y I E D A I G E e e e e e e e e e f	281 SAKLMNPLTK e e e e e e e e e	291 F S T P W R R F F T e e e e e e b e e f f
301 SMPVYAIIVA e e e b e b b b e b f	NFCRSWTFYL bebebbbeeb	321 LLISQPAYFE beebbeebbe f	331 E V F G F E I S K V e e b e e e e e b f	341 GLVSALPHLV eebbbebbee f s s
MTIIVPIGGQ bbeebeebbe	361 IADFLRSRRI ebbebeeee	371 MSTTNVRKLM eeeebbeeb ff sf	NCGGFGMEAT beebbeebbe	391 LLLVVGYSHS bbeebbee
401 K G V A I S F L V L e e e b b e e b b e	411 AVGFSGFAIS bbbebbebb	421 GFNVNHLDIA bbbbbbebb s fss	431 PRYASILMGI eeebeebeee f sf ff	441 s N G V G T L S G M beeebeebbe f s
451 VCPIIVGAMT ebeeebeeeb	461 KHKTREEWQY eeeeebbee	471 VFLIASLVHY bbeebbeebe ss f	481 GGVIFYGVFA ebbeebeeeb	491 SGEKQPWAEP ebee f
501 E E M S E E K C G F	511 VGHDQLAGSD	521 D S E M E D E A E P	531 PGAPPAP <mark>P</mark> PS	541 YGATHS <mark>T</mark> FQP
551 PRPP <mark>PPVRDY</mark>	561			

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.