## ConSurf Results for job:EAA1 date:29/05/2024

1	11	21	31	41
MTKSNGEEPK	MGGRMERFQQ	GVRKRTLLAK		VKSYLFRNAF
eeeeeeee	eeeeeebee	e b e e e b e e e e	eeeeeeee	beebbeeebb
f		f		f
51	61	71	81	91
VLL <mark>T</mark> VTAVIV	GTILGFTLRP	YRMSYREVK <mark>Y</mark>	FSFPGELLMR	MLQMLVLPLI
bbbbbbbbb	bbbbbbbbee s s f	beeeeebeb	bbbebebbe sfsf f	bbebbbbbbb sf sss
<b>S</b>		1.01		
101 ISSLVTGMAA	111 LDSKASGKMG	121 MRAVVYYMTT	131 TIIAVVIGII	141 IVIIIHPGKG
bbbbbbbbe	beeeeeebb	bebbbbbbbb	bbbbbbbbbb	bbbbeeee
ss s	f ff s	s ss s	s s s	s s ff
151	161	171	181	191
T K E N M H R E G K	IV <mark>R</mark> VTAADAF	L D L I R N M F P P	N L V E A C F K Q F	K <mark>T N Y</mark> E K R S F K
eeeeeeee	eeeeebebb	bebbeebbee	e b b e b b b e e b	eeeeeeee
	£	fs ff f	f s	f
201	211	221	231	241
VPIQA <mark>N</mark> E <mark>T</mark> LV	GAVINNVSEA	ME <mark>T</mark> LTRITE <mark>E</mark>	LVPVPGSVNG	VNALGLVVFS
eeeeeeeeb f	eebeeebeee	beeeeeeee	e e e e e e e e e	bebbbbbbb f ss
251	261	271	281	291
MCFGFVIGNM	KEQGQALREF	FDSLNEAIMR	LVAVIMWYAP	VGILFLIAGK
bbbbbbeee			bbbbbbbbb	bbbbbbbbe
s	f	f	s s	s ss
301	311	321 VIVGLLIHAV	331	341
IVEMEDMGVI	GGQLAMYTVT beebbebbb	bbbbbbbbbb	IVLPLLYFLV bbbbbbbbbb	TRKNPWVFIG
DDebeebeeb	s	s ss s	s	sf ff
351	361	371	381	391
GLLQALITAL	G T S S S S A T L P	ITFKCLEENN	G V D K R V T R F V	L P V G A T I N M D
bbbebbebb	bebeeebebe	bbbebbeeee	ebeeebbebb	bbbbbbbbe
fs fs		s f f	f f fs	s sss ssf
401	411	421	431	441
GTALYEALAA	bbbbebeebe	LNFGQIITIS	ITATAASIGA	AGIPQAGLVT
ssssfs s	sssf f	Debbebbbbb	bbbbbbbbbb s s ss ss	bbbeeebbbb s fffs s
451	461	471	481	491
MVIVLTSVGL	PTDDITLIIA	V D W F L D R L R T	TTNVLGDSLG	AGIVEHLSRH
bbbbbbeb		bbbbebee	b b e b e b b b b	bbbeebbee
ss f	f f	ss sfs ff	fs ss	
501	511	521	531	541
ELKNR <mark>D</mark> VEMG	NSVI <mark>E</mark> ENEMK	KPYQLIAQDN	ETEKPIDSET	K M
ebeeeeeee	eeeeeeee	e e b e b b b e e e	eeeeeeeee ff	e e f
			LI	-

The conservation scale:

1 2 3 4 5 6 7 8 9

Variable Average Conserved

- e An exposed residue according to the neural network algorithm.
- b A buried residue according to the neural network algorithm.
- f A predicted functional residue (highly conserved and exposed).
- 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.