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

1	11	21	31	41
MTKSNGEEPK	MGGRMERFQQ	GVRKRTLLAK	KKVQNITKED	VKSYLFRNAF
eeeeeeee	eeeeeebee	ebeeebeeee	eeeeeeee	beebbeeebb
f		£		f
51	61	71	81	91
VLLTV <mark>T</mark> A <mark>V</mark> IV	G T I L G F T L R P	Y R M S Y R E V K Y	FSFPGELLMR	MLQMLVLPLI
bbbbbbbb	b b b b b b e e	beeeeebeb		bbebbbbbb
S	s s f		sfsf f	s f s ss
101	111	121	131	141
ISSLVTGMAA	LDSKASGKMG	MRAVVYYMTT	TIIAVVIGII	IVIIIHPGKG
bbbbbbbbbe ss s	beeeeeebb f ff s	bebbbbbbbb s ss s	bbbbbbbbb s s s	bbbbbeeeee s s ff
151	161	171	181	191
TKENMHREGK	IVRVTAADAF	LDLIRNMFPP	NLVEACFKQF	KTNYEKRSFK
eeeeeeee	eeeeebebb	bebbeebbee	e b b e b b b e e b	eeeeeeeee
	£	fs ff f	f s	£
201	211	221	231	241
VPIQA <mark>N</mark> E <mark>T</mark> LV	GAVIN <mark>N</mark> VS <mark>EA</mark>	ME <mark>T</mark> LTRITE <mark>E</mark>	LVPVPGSVNG	VNALGLVVFS
eeeeeeeb	e e b e e e b e e e	beeeeeeee	eeeeeeee	b e b b b b b b b
f				f ss
251	261	271	281	291
MCFGFVIGNM	KEQGQALREF	FDSLNEAIMR	LVAVIMWYAP	VGILFLIAGK
bbbbbbeee s	eeebeebeeb f	bebbeebbbe f	bbbbbbbbb s s	bbbbbbbbb s ss
301	311	321	331	341
IVEMEDMGVI	GGQLAMYTVT	VIVGLLIHAV	IVLPLLYFLV	TRKNPWVFIG
bbebeebeeb	beebbebbb	bbbbbbbbbb	bbbbbbbbbb	beeeebebbe
	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	LPVGATINMD
bbbebbebb	bebeeebebe	bbbebbeeee	e b e e e b b e b b	bbbbbbbee
fs fs			f f fs	s sss ssf
401	411	421	431	441
GTALYEALAA				AGIPQAGLVT
bbbbbebbbb sssssfs s	bbbbebeebe sssf f	bebbebbbb	bbbbbbbbbb s s ss ss	bbbeeebbbb s fffs s
451	461	471	481	491
MVIVLTSVGL	PTDDITLIIA			
bbbbbbbeb		bbbbbebbee		bbbbeebbee
ss f	ff	ss sfs ff	fsss	
501	511	521	531	541
ELKNR <mark>D</mark> VEMG	NSVIEENEMK	KPYQLIAQDN	ETEKPIDSET	K M
e b e e e e e e e	e e e e e e e e	e e b e b b b e e e		
			ff	f

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.