

# ConSurf Results for job:SERTnat date:14/08/2023

1	11	21	31	41
METTPLNSQK	QLSACEDGED	CQENGVLQKV	VPTPGDKVES	GQISNGYS AV
51	61	71	81	91
PSPGAGDDTR	HSIPATTTTL	VAELHQGERE	TWGKKVDLFL	SVIGYAVDLG
			eeeeeebebf	bbbbbbbebb
			f s	s f s s
101	111	121	131	141
NVWRFPYICY	QNGGGAFLLP	YTIMAIIFGGI	PLFYMEALALG	QYHRNGCIS I
bbbebbbbbb	ebbbbbbeeb	beebbeebbb	bbbbbbbbbbb	bbeebbbbbb
s s f s s s s	s s s s s s f s	s s	s s s s	s
151	161	171	181	191
WRKICPIFKG	IGYAICIIAF	YIASYYNTIM	AWALYYLIS S	FTDQLPWTSC
beebbeebbb	bbbebbbebe	eebbbbbbbb	bbbbebbeeb	eeeebebeee
f s	s	s	s	f f s f
201	211	221	231	241
KNSWNTGNCT	NYFSEDNITW	TLHSTSPAEE	FYTRHVLQIH	RSKGLQDLGG
eeeeeeeeebb	eeeeeeeeeee	eeeeebbbeb	bbbeebbbbe	ebebbeeeee
f f s			s	f
251	261	271	281	291
ISWQLALCIM	LIFTVIYFSI	WKGVKTSQKV	VWVTATFPYI	IILSVLLVRGA
ebbeebbebe	ebbeebbebb	eebeeebbbe	beebbeebbe	bbbebeeebe
s		f s f f s f f	s f s s s f	s f
301	311	321	331	341
TLPGAWRGVL	FYLKPNWQKL	LETGVWIDAA	AQIFFSLGPG	FGVLLAFASY
ebbeebbebe	ebeeeeeeee	eeebbeeebb	bbbbeebbbb	bbbbbbbbbbe
s s s f	f f	s f f s	s s f s	s s f
351	361	371	381	391
NKFNNNCYQD	ALVTSVVNCM	TSFVSGFVIF	TVLGYMAEMR	NEDVSEVAKD
beebbeebbe	beebbeebbe	bbbeebbebbb	bbbbbbbbbee	eebeebbebe
s f f s	s	s s s s	s s	s
401	411	421	431	441
AGPSLLFITY	AEAIANMPAS	TFFAIIFFLM	LITLGLDSTF	AGLEGVITAV
bbbbbbbbbbb	bbbbbeebbee	ebbbeebbbeb	bbbbbbbbbebb	bbbbbbbbbbe
s s s s	s	s s s	s s f	
451	461	471	481	491
LDEFPHVWAK	RRERFVLAVV	ITCFFGSLVT	LTFGGAYVVK	LLEEYATGPA
bebeeeeeeee	eeebbeebbb	eebeeebeeb	bbbebbbbbbe	bbbeebbbbeb
f			s	f
501	511	521	531	541
VLTVALIIEAV	AVSWFYGITQ	FCRDVKEMLG	FSPGWFWRIC	WVAISPLFLL
bbbebbbebbe	bbbeeeeeeee	bbbeebbebbe	eebeeebeeb	beebbeebbe
s	f f	s f		s s
551	561	571	581	591
FIICSFLMSP	PQLRLFQYNY	PYWSIILGYC	IGTSSFCICIP	TYIAYRLIIT
ebbeeeeeeee	eebebeeeeb	eebeeebeeb	ebbebeeebe	ebbeeeeeeee
		f s	f	

601 611 621  
 P G T F K E R I I K S I T P E T P T E I P C G D I R L N A V

The conservation scale:

1 2 3 4 5 6 7 8 9  
 Variable Average Conserved

- 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.