## ConSurf Results for job:EAA2 consurfseqres date:06/03/2023

1	11	21	31	41
MASTEGANNM	PKQVEVRMHD	SHLGSEEPKH	RHLGLRLCDK	LGKNLLLTLT
			е	eeeebeeeb
				f
51	61	71	81	91
VFGVILGAVC	GGLLRLASPI	H P D V V M L I A F	PGDILMRMLK	MLILPLIISS
eebbeebeee s s	beeeeeeee s f	eeeebeeee	ebeebbeebe sf f sf	ebbeebbbbb s fs s
101	111	121	131	141
LITGLSGLDA	KASGRLGTRA	MVYYMSTTII	AAVLGVILVL	AIHPGNPKLK
bbbbbeeee	eebeebbeeb	e e b b e e b b e e	bbebbebbe	eeebbeeebe
ff		ss ss	s	f ss
151	161	171	181	191
KQLGPGKKND	EVSSLDAFLD	LIRNLFPENL	VQACFQQIQT	V T K K V L V A <mark>P</mark> P
eeeeeeee	eeeeeebeeb f s	eeebeeeeee f fs f f	e e b e e e b e e	
201	211	221	231	241
P D E E <mark>A N A T</mark> S A	VVSLLNETVT	EVPEETKMVI	KK <mark>G</mark> LEFKD <mark>G</mark> M	NVLGLIGFFI
			eeeee	b b b b b e e b e
				s s s f
251	261	271	281	291
AFGIAMGKMG	DQAKLMVDFF eebeeeeb	NILNEIVMKL eeebeebbee	VIMIMWYSPL beebbeebbe	GIACLICGKI bbbbbbee
s	eebeeeeeb	eeebeebbee	s	ss s f
301	311	321	331	341
IAIKDLEVVA	RQLGMYMVTV	IIG <mark>LIIH</mark> GGI	FLPLIYF <mark>V</mark> VT	RKNPFSFFAG
beeeeeeee	eebeebbebb s ss	eebbeebeee s	e b b e e b e e e b	eeebeebeeb f fs
351	361	371	381	391
IFQAWITALG	TASSAGTLPV	TFRCLEENLG	IDKRVTRFVL	PVGATINMDG
b e b b e b b e b	beebebbbbb	b b b b b e e e e	beeebbbbbb	b b b b b b b b b
ssf	sffsfss s	s	f ss	s ssss
401	411	421	431	441
TALYEAVAAI	FIAQMNGV <mark>V</mark> L	DGGQIVTVSL	TATLASVGAA	SIPSAGLVTM
bbbbbbbbb ssss s	bbbbbeeeeb ssss f	eeeeeebbe	bbbebbebbe sss s s f	bbbeeeebbb sffffs
451	461	471	481	491
LLILTAVGLP	TEDISLLVAV	DWLLDRMRTS	VNVGDSFGA	GIVYHLSKSE
bebbeebebe	e e b b e b b e e b	e e e b e b e b b b	bbbbbbbbb	b b b e e e e e
fss f sf	s s	ff fs s	ss s	
501	511	521	531	541
LDTIDSQHRV	HEDIEMTKTQ	SIYDDMKNHR	ESNS <mark>NQC</mark> VYA	AHNSVIVDEC
551	561	571 581		
KVTLAANGKS	ADCSVEEEPW	KREK		

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.