ConSurf Results for job:Human_Cov-229E date:17/04/2023

1	11	21	31	41
MAKGFYISKS	LGILGILLGV	AAVCTIIALS	VVYSQEKNKN	ANSSPVASTT
eeeeeeeee f ff	e e e e e e e e e	eeeeeeeee f f	eeeeeeeee f	e e e e e e e e e
51	61	71	81	91
PSASATTNPA	S A T T L D Q S K A	WNRYRLPNTL	KPDSYRVTLR	PYLTPNDRGL
eeeeeeee	eeeeeeee	ebeeebeeeb fsf	ebeebebebe s s	bebeeeeee
101	111	121	131	141
YVFKGSSTVR	FTCKEATDVI	IIHSKKLNYT	LSQGHRVVLR	GVGGSQPPDI
bbbebebbbe s s s	bbbeeebebb s	bbbeebebe s	eeeeebebe	eeeeeeeb
151	161	171	181	191
DKTELVEPTE	YLVVHLKGSL	VKDSQYEMDS	EFEGELADDL	AGFYRSEYME
e e e e e b e e b b	b b b b b e e e b	e e e e e b b b e b	e b e b e b b e e b	ebbbbbebee s s s s
201	211	221	231	241
GNVRKVVATT	QMQAADARKS	FPCFDEPAMK	AEFNITLIHP	KDLTALSNML
e e e e e b b b b b	bbbbbebbbb s ss	bbbbbbebb ssssss s	bebebebbbe s s	eebebbbbe ss
251	261	271	281	291
PKGPSTPLPE	DPNWNVTEFH eeebeebebe	TTPKMSTYLL ebeebbbbbb	AFIVSEFDYV bbbbeeee	EKQASNGVLI eeebeeebeb
e e e e e e b e e		SSSS	s	eeebeebeb
301	311	321	331	341
RIWARPSAIA	AGHGDYALNV	TGPILNFFAG	HYDTPYPLPK	SDQIGLPDFN
bbbbeebbe	eebbebbbeb s	bbebbeebee f	HYDTPYPLPK bbebebebeb fs s	SDQIGLPDFN bbbbbbbbe s ssss
b b b b e e b b e 351	e e b b e b b b e b s	b b e b b e e b e e f 371	HYDTPYPLPK bbebebebeb fs s	SDQIGLPDFN bbbbbbbbe s ssss
bbbbeebbe 351 AGAMENWGLV	e e b b e b b e b s 361 TYRENSLLFD	bbebbeebee 371 PLSSSSNKE	HYDTPYPLPK bbebebebeb fs s 381 RVVTVIAHEL	SDQIGLPDFN bbbbbbbbe s ssss 391 AHQWFGNLVT
bbbbeebbe 351 AGAMENWGLV bebbbbbbbbb	e e b b e b b b e b s	b b e b b e e b e e f 371	HYDTPYPLPK bbebebebeb fs s 381 RVVTVIAHEL	SDQIGLPDFN bbbbbbbbe s ssss
351 AGAMENWGLV bebbbbbbb fssssss	e e b b e b b e b s 361 TYRENSLLFD b b e b e b b b b b f s 411	bbebbeebee 371 PLSSSSNKE eebbeeeb f	HYDTPYPLPK bbebebebebeb fs s 381 RVVTVIAHEL ebbbbbbbbb ss	SDQIGLPDFN bbbbbbbbb sssssssssssssssssssssssssss
351 AGAMENWGLV bebbbbbbb fssssss 401 IEWWNDLWLN	e e b b e b b b e b s 361 TYRENSLLFD b b e b e b b b b b f s 411 EGFASYVEYL	bbebbeebee f 371 PLSSSSNKE eeebbeeeeb f 421 GADYAEPTWN	HYDTPYPLPK bbebebebeb fs s 381 RVVTVIAHEL ebbbbbbbb ss 431 LKDLMVLNDV	SDQIGLPDFN bbbbbbbbe s ssss 391 AHQWFGNLVT bbbbbbbbbbbb sssssssss
351 AGAMENWGLV bebbbbbbb fssssss 401 IEWWNDLWLN	e e b b e b b b e b s 361 TYRENSLLFD b b e b e b b b b b f s s 411 EGFASYVEYL b b b b b b b b b	bbebbeebee 371 PLSSSSNKE eebbeeeb f	HYDTPYPLPK bbebebebeb fs s 381 RVVTVIAHEL ebbbbbbbb ss 431 LKDLMVLNDV	SDQIGLPDFN bbbbbbbbe s ssss 391 AHQWFGNLVT bbbbbbbbbbbb sssssssss
351 AGAMENWGLV bebbbbbbb fssssss 401 IEWWNDLWLN bebbbbbbb ss sss	eebbebbeb s 361 TYRENSLLFD bbebebbbb fs s 411 EGFASYVEYL bbbbbbbbbbbbssss	bbebbeebee 371 PISSSSNKE eeebbeeeeb s f 421 GADYAEPTWN bbbeebeebe	HYDTPYPLPK bbebebebebebess 381 RVVTVIAHEL ebbbbbbbbbss 431 LKDLMVLNDV beebbbbebb	SDQIGLPDFN bbbbbbbbbbsssssssss 441 YRVMAVDALA bebbeebbbb s
351 AGAMENWGLV bebbbbbbbb fssssss 401 IEWWNDLWLN bebbbbbbb ss sss	eebbebbeb s 361 TYRENSLLFD bbebebbbbb fs s 411 EGFASYVEYL bbbbbbbbbbb ssss 461 EINTPAQISE	bbebbeebee 371 PLSSSSNKE eebbeeeb f 421 GADYAEPTWN bbbeebeebe	HYDTPYPLPK bbebebebebebess 381 RVVTVIAHEL ebbbbbbbbb ss 431 LKDLMVLNDV beebbbbebb	SDQIGLPDFN bbbbbbbbbb ssssssss 441 YRVMAVDALA bebbeebbbb s
351 AGAMENWGLV bebbbbbbbb fssssss 401 IEWWNDLWLN bebbbbbbb ss sss	eebbebbeb s 361 TYRENSLLFD bbebebbbbb fs s 411 EGFASYVEYL bbbbbbbbbbbb ssss 461 EINTPAQISE ebeeeebee	bbebbeebeef 371 PISSSSNKE eebbeeeb f 421 GADYAEPTWN bbeebeebe 471 LFDAISYSKG bbebbbebbb sf s f ss	HYDTPYPLPK bbebebebebebebebebbbbbbbbbbbbbbbbbbbb	SDQIGLPDFN bbbbbbbbbb ssssssss 441 YRVMAVDALA bebbeebbbb s
351 AGAMENWGLV bebbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb	eebbebbeb s 361 TYRENSLLFD bbebebbbbb fs s 411 EGFASYVEYL bbbbbbbbbbbbssss 461 EINTPAQISE ebeeebee s	bbebbeebee 371 PLSSSSNKE eebbeeeb s f 421 GADYAEPTWN bbbeebeebe 471 LFDAISYSKG bbebbbebbb sf s f ss	HYDTPYPLPK bbebebebebebebebebebbbbbbbbbbbbbbbbbb	SDQIGLPDFN bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
351 AGAMENWGLV bebbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb	eebbebbeb s 361 TYRENSLLFD bbebebbbbb fs s 411 EGFASYVEYL bbbbbbbbbbbbssss 461 EINTPAQISE ebeeeebee s 511	bbebbeebe 371 PLSSSSNKE eebbeeeb f 421 GADYAEPTWN bbbeebeebe 471 LFDAISYSKG bbebbbebb sf s f ss 521 LQEAVNNRSI	HYDTPYPLPK bbebebebebebefss 381 RVVTVIAHEL ebbbbbbbbb ss 431 LKDLMVLNDV beebbbbebb 481 ASVLRMLSSF bbbbbbbee s	SDQIGLPDFN bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
351 AGAMENWGLV bebbbbbbbbbbbbssssss 401 IEWWNDLWLN bebbbbbbbbbsssss 451 SSHPLSTPAS ebbbbbbeee fss f 501 ASYLHTFAYQ bebbeeeee	eebbebbeb s 361 TYRENSLLFD bbebebbbbb fs s 411 EGFASYVEYL bbbbbbbbbbbbssss 461 EINTPAQISE ebeeebee s 511 NTIYLNLWDH ebeeebbebf	bbebbeebee 371 PLSSSSNKE eebbeeeb s f 421 GADYAEPTWN bbbeebeebe 471 LFDAISYSKG bbebbbebbb sf s f ss	HYDTPYPLPK bbebebebebebebebss 381 RVVTVIAHEL ebbbbbbbbbbss 431 LKDLMVLNDV beebbbbebb 481 ASVLRMLSSF bbbbbbbbees 531 QLPTTVRDIM eeeeebeebb	SDQIGLPDFN bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
351 AGAMENWGLV bebbbbbbbbbfssssss 401 IEWWNDLWLN bebbbbbbbbsssss 451 SSHPLSTPAS ebbbbbbeee fss f 501 ASYLHTFAYQ bebbeeeee	eebbebbeb s 361 TYRENSLLFD bbebebbbbb fs s 411 EGFASYVEYL bbbbbbbbbbbbssss 461 EINTPAQISE ebeeebee s 511 NTIYLNLWDH ebeeebbeb f s	bbebbeebe 421 GADYAEPTWN bbbeebeebe 471 LFDAISYSKG bbebbbebbb sf s f ss 521 LQEAVNNRSI beebbeeee f	HYDTPYPLPK bbebebebebebefs s 381 RVVTVIAHEL ebbbbbbbbbbss 431 LKDLMVLNDV beebbbbebb 481 ASVLRMLSSF bbbbbbbbees 531 QLPTTVRDIM eeeeebeebb	SDQIGLPDFN bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
351 AGAMENWGLV bebbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb	eebbebbeb s 361 TYRENSLLFD bbebebbbbb fs s 411 EGFASYVEYL bbbbbbbbbbbbbbssss 461 EINTPAQISE ebeeebee s 511 NTIYLNLWDH ebeeebbeb f fs	bbebbeebe 421 GADYAEPTWN bbbeebeebe 471 LFDAISYSKG bbebbbebbb sf s f ss 521 LQEAVNNRSI beebbeeee	HYDTPYPLPK bbebebebebebebebbbbbbbbbbbbbbbbbbbbbb	SDQIGLPDFN bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb



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.