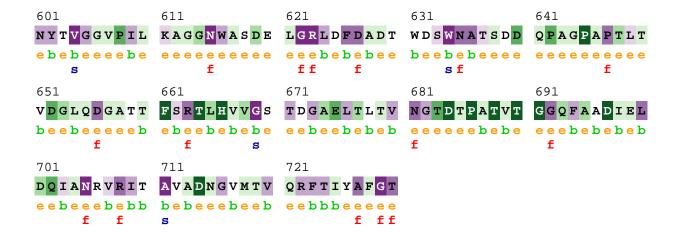
ConSurf Results for job:ccdex date:26/08/2025

1	11	21	31	41
MHPARTPRPI eeeeeeb	SVATMGAAAL bbbbbbbbbb	VAGLLVATPS bbbbbbeee	AAAPPATVAS	PEDGAVTLDR
51 TANTDDLRTW	61 WHQDAAATTD	71 PIGDNQVRQS	81 PFYDATIATT	91 TDPQDQFGSF
e e e e e e b e b b	beeeeeee	e e e e e b e e b	e b b e b e b b e e	e e e e e e e b b
ss 101	f 111	sf s	s s	s s 141
VYLSVPRSGN	DKIGYTEQDG	AEFSSAADLT	MSWSSFEYST	DVWVDVTLKT
bbbbbeeee s ff f	eeeeeeeee f f ff	bebeeebebb sf	bbbbbbeebe s s sff	ebbbebeeee f s f
151	161	171	181	191
GQAITSADQV	TIRPTDLGLQ	TQLVDADTVR	VKVPFSEDGY	RFSVEF <mark>D</mark> PQL
eeebeebeeb f s	ebeeeeebe ff	eeeeeeebe f	bebeeeeeb sf f	ebbbebeeeb f ssfs f
201	211	221	231	241
ITAYNDMSGT bebeeeee	SGALTTSAEG	NRAISTEPQN eeebeeeee	SMLVFANPTP bbbbbeeee	SAAEAERTIP
f	f	ff f	ssff	eeeeeeebe f
251	261	271	281	291
TEQSGTIYRP eeeeebee	Q P G L V N D L D D	ITQEIVYFGP beeebbbbeb	GTYSMGSDYH	AVLPENVRWV bebeeebebb
eeeeeebeee	f	s	s s s	f s s
301	311	321	331	341
YLAPGAYVKG	AFRFLHETQP	QFKVTGLGVL	SGEQYVYEAD	TSNGYQHNVN
YLAPGAYVKG bbbeebbbeb s sffs sfs 351	AFRFLHETQP bbebeeeee s s	QFKVTGLGVL ebebebbbbb ffsssss	SGEQYVYEAD ebeebbeeee fsffs ff f	TSNGYQHNVN eeeeeee f
YLAPGAYVKG bbbeebbbeb s sffs sfs 351 DNCHVTCVKM	AFRFLHETQP bbebeeeee s s 361 LQFESSTQPQ	QFKVTGLGVL ebebebbbbb f fs sss 371 TLDLQGVTIN	SGEQYVYEAD ebeebbeeee fsffs ff f 381 QPPYHSFVVY	TSNGYQHNVN eeeeeee f 391 AHEGDTEVGV
YLAPGAYVKG bbbeebbeb s sffs sfs 351 DNCHVTCVKM eebeebbeb	AFRFLHETQP bbebeeeee s s	QFKVTGLGVL ebebebbbbb ffssss 371 TLDLQGVTIN ebebeebebe	SGEQYVYEAD ebeebbeeee fsffs ff f 381 QPPYHSFVVY	TSNGYQHNVN eeeeeee f
YLAPGAYVKG bbbeebbeb s sffs sfs 351 DNCHVTCVKM eebeebbeb sf sf	AFRFLHETQP bbebeeeeee s s 361 LQFESSTQPQ bebeeeeeee sf f f	QFKVTGLGVL ebebebbbbb ffsssss 371 TLDLQGVTIN ebebeebebe s ff	SGEQYVYEAD ebeebbeeee fsffs ff f 381 QPPYHSFVVY eeeeebbbbb ffffsss	TSNGYQHNVN eeeeeeee f 391 AHEGDTEVGV beeeeebeb f
YLAPGAYVKG bbbeebbeeb s sffs sfs 351 DNCHVTCVKM eebeeebbeb sf sf 401	AFRFLHETQP bbebeeeeee s s 361 LQFESSTQPQ bebeeeeeee sf f f 411 KQVGSWYWQT	QFKVTGLGVL ebebebbbbb ffssss 371 TLDLQGVTIN ebebeebebe s ff 421 DGIELYDGGR	SGEQYVYEAD ebeebbeeee fsffs ff f 381 QPPYHSFVVY eeeeebbbbb ffffsss 431 MKNTFFHAND	TSNGYQHNVN eeeeeeee f 391 AHEGDTEVGV beeeeebeb f 441 DVLKMYHSDV
YLAPGAYVKG bbbeebbeb s sffs sfs 351 DNCHVTCVKM eebeeebbeb sf sf 401 ENFQMNVDNY eebebebeb	AFRFLHETQP bbebeeeee s s 361 LQFESSTQPQ bebeeeeee sf f f 411 KQVGSWYWQT eebbebebee	QFKVTGLGVL ebebebbbbb ffsssss 371 TLDLQGVTIN ebebeebebe s ff	SGEQYVYEAD ebeebbeeee fsffs ff f 381 QPPYHSFVVY eeeeebbbbb ffffsss 431 MKNTFFHAND beeebbebee	TSNGYQHNVN eeeeeeee f 391 AHEGDTEVGV beeeeebeb f 441 DVLKMYHSDV
YLAPGAYVKG bbbeebbeeb s sffs sfs 351 DNCHVTCVKM eebeeebbeb sf sf 401 ENFQMNVDNY eebebebeeb s fs	AFRFLHETQP bbebeeeee s s 361 LQFESSTQPQ bebeeeeee sf f f 411 KQVGSWYWQT eebbebebee ffss f ff	QFKVTGLGVL ebebebbbbb ffssss 371 TLDLQGVTIN ebebeebebe s ff 421 DGIELYDGGR eebebbeee fffs f	SGEQYVYEAD ebeebbeeee fsffs ff f 381 QPPYHSFVVY eeeeebbbbb ffffsss 431 MKNTFFHAND beeebbebee s f ff	TSNGYQHNVN eeeeeeee f 391 AHEGDTEVGV beeeeebeb f 441 DVLKMYHSDV ebbebbeeeb f sff
YLAPGAYVKG bbbeebbeeb s sffs sfs 351 DNCHVTCVKM eebeebbeb sf sf 401 ENFQMNVDNY eebebebeeb s fs	AFRFLHETQP bbebeeeee s s 361 LQFESSTQPQ bebeeeeeee sf f f 411 KQVGSWYWQT eebbebebee ffss f ff	QFKVTGLGVL ebebebbbbb ffssss 371 TLDLQGVTIN ebebeebebe s ff 421 DGIELYDGGR eebebbeeee fffs f	SGEQYVYEAD ebeebbeeee fsffs ff f 381 QPPYHSFVVY eeeebbbbb ffffsss 431 MKNTFFHAND beeebbebee s f ff	TSNGYQHNVN eeeeeeee f 391 AHEGDTEVGV beeeeebeb f 441 DVLKMYHSDV ebbebbeeeb f fsff 491 YWKDTKYNTC
YLAPGAYVKG bbbeebbeeb s sffs sfs 351 DNCHVTCVKM eebeebbeb sf sf 401 ENFQMNVDNY eebebebeeb s fs	AFRFLHETQP bbebeeeeee s s 361 LQFESSTQPQ bebeeeeeee sf f f 411 KQVGSWYWQT eebbebebee ffss f ff 461 ENGPVIQWGW eeeeebbbb	QFKVTGLGVL ebebebbbbb ffsssss 371 TLDLQGVTIN ebebebebe s ff 421 DGIELYDGGR eebebbeee fff f s f	SGEQYVYEAD ebeebbeeee fsffs ff f 381 QPPYHSFVVY eeeebbbbb ffffsss 431 MKNTFFHAND beeebbebee s f ff	TSNGYQHNVN eeeeeeeee f 391 AHEGDTEVGV beeeeeebeb f 441 DVLKMYHSDV ebbebbeeeb f fsff 491 YWKDTKYNTC bbeeeeeeb
YLAPGAYVKG bbbeebbeeb s sffs sfs 351 DNCHVTCVKM eebeeebbeb sf sf 401 ENFQMNVDNY eebebebeeb s fs 451 AIENTVIWKN ebeebbbbee s sf	AFRFLHETQP bbebeeeeee s s 361 LQFESSTQPQ bebeeeeeee sf f f 411 KQVGSWYWQT eebbebebee ffss f ff 461 ENGPVIQWGW eeeeebbbb fffff f ss	QFKVTGLGVL ebebebbbbb ffsssss 371 TLDLQGVTIN ebebeebebe s ff 421 DGIELYDGGR eebebbeeee fffs f	SGEQYVYEAD ebeebbeeee fsffs ff f 381 QPPYHSFVVY eeeeebbbbb ffffsss 431 MKNTFFHAND beeebbebee s f ff 481 TNTDVIHNRM eebbbbbbeb	TSNGYQHNVN eeeeeeee f 391 AHEGDTEVGV beeeeeebeb f 441 DVLKMYHSDV ebbebbeeeb f fsff 491 YWKDTKYNTC bbeeeeeb f ff
YLAPGAYVKG bbbeebbbeb s sffs sfs 351 DNCHVTCVKM eebeebbeb sf sf 401 ENFQMNVDNY eebebebeeb s fs 451 AIENTVIWKN ebeebbbbee s sf	AFRFLHETQP bbebeeeeee s s 361 LQFESSTQPQ bebeeeeeee sf f f 411 KQVGSWYWQT eebbebebee ffss f ff 461 ENGPVIQWGW eeeeebbbb fffff f ss 511 MGATDRADTA	QFKVTGLGVL ebebebbbbb ffssss 371 TLDLQGVTIN ebebeebebe s ff 421 DGIELYDGGR eebebbeeee fffs f	SGEQYVYEAD ebeebbeeee fsffs ff f 381 QPPYHSFVVY eeeeebbbbb ffffsss 431 MKNTFFHAND beeebbeee s f ff 481 TNTDVIHNRM eebbbbbeb sssfs	TSNGYQHNVN eeeeeeee f 391 AHEGDTEVGV beeeeebeb f 441 DVLKMYHSDV ebbebbeeeb f f sff 491 YWKDTKYNTC bbeeeeeb f ff
YLAPGAYVKG bbbeebbee s sffs sfs 351 DNCHVTCVKM eebeeebbeb sf sf 401 ENFQMNVDNY eebebebeeb s fs 451 AIENTVIWKN ebeebbbbee s sf	AFRFLHETQP bbebeeeeee s s 361 LQFESSTQPQ bebeeeeeee sf f f 411 KQVGSWYWQT eebbebebee ffss f ff 461 ENGPVIQWGW eeeeebbbb fffff f ss 511 MGATDRADTA eeeeeeef	QFKVTGLGVL ebebebbbbb ffsssss 371 TLDLQGVTIN ebebebebe sff 421 DGIELYDGGR eebebbeeefffs ffs 471 TPREIQDVTV eeeebebebeb ff 521 TTVKNMRFTD eebeebebee ffff	SGEQYVYEAD ebeebbeeee fsffs ff f 381 QPPYHSFVVY eeeeebbbbb ffffsss 431 MKNTFFHAND beeebbeee s f ff 481 TNTDVIHNRM eebbbbbbeb sssfs 531 TRVEGTTNCA bebeebbebb	TSNGYQHNVN eeeeeeeee f 391 AHEGDTEVGV beeeeebeb f 441 DVLKMYHSDV ebbebbeeeb f f sff 491 YWKDTKYNTC bbeeeeeb f ff 541 LRIYALSNTE bbbbbeee f
YLAPGAYVKG bbbeebbeebs sffs sfs 351 DNCHVTCVKM eebeeebbebsf sf 401 ENFQMNVDNY eebebebeebs fs 451 AIENTVIWKN ebeebbbbee sf	AFRFLHETQP bbebeeeeee s s 361 LQFESSTQPQ bebeeeeeee sf f f 411 KQVGSWYWQT eebbebebee ffss f ff 461 ENGPVIQWGW eeeeebbbb fffff f ss 511 MGATDRADTA eeeeeee f	QFKVTGLGVL ebebebbbbb ffsssss 371 TLDLQGVTIN ebebebebe sff 421 DGIELYDGGR eebebbeeefffssf 471 TPREIQDVTV eeeebebebeb ff 521 TTVKNMRFTD eebeebebee ffff	SGEQYVYEAD ebeebbeeee fsffs ff f 381 QPPYHSFVVY eeeeebbbbb ffffsss 431 MKNTFFHAND beeebbeee s f ff 481 TNTDVIHNRM eebbbbbeb sssfs 531 TRVEGTTNCA bebeebbebb ff f	TSNGYQHNVN eeeeeeeee f 391 AHEGDTEVGV beeeeeebeb f 441 DVLKMYHSDV ebbebbeeeb f f sff 491 YWKDTKYNTC bbeeeeeeb f ff 541 LRIYALSNTE bbbbbeee s
YLAPGAYVKG bbbeebbee s sffs sfs 351 DNCHVTCVKM eebeebbeb sf sf 401 ENFQMNVDNY eebebebeeb s fs 451 AIENTVIWKN ebeebbbee s sf 501 IFNSSSHWQD bbebeeebee f f	AFRFLHETQP bbebeeeeee s s 361 LQFESSTQPQ bebeeeeeee sf f f 411 KQVGSWYWQT eebbebebee ffss f ff 461 ENGPVIQWGW eeeeebebbb fffff f ss 511 MGATDRADTA eeeeeee f	QFKVTGLGVL ebebebbbbb ffsssss 371 TLDLQGVTIN ebebebebe sff 421 DGIELYDGGR eebebbeeefffssf 471 TPREIQDVTV eeeebebebeb ff 521 TTVKNMRFTD eebeebebee ffff	SGEQYVYEAD ebeebbeeee fsffs ff f 381 QPPYHSFVVY eeeeebbbbb ffffsss 431 MKNTFFHAND beeebbeee s f ff 481 TNTDVIHNRM eebbbbbbeb sssfs 531 TRVEGTTNCA bebeebbeb ff f	TSNGYQHNVN eeeeeeee f 391 AHEGDTEVGV beeeeebeb f 441 DVLKMYHSDV ebbebbeeeb f f sff 491 YWKDTKYNTC bbeeeeeb f ff 541 LRIYALSNTE bbbbbeee s 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).
- s A predicted structural residue (highly conserved and buried).