

logo

NTDB id 1323 RAOC RS07335 WP 004916218.1	.MLVKKVYGS ¹ AIHGVSAQT ² ITIEVNV ³ DGGV ⁴ .GYHLVGLP ⁵ DNA ⁶ IKESSHR ⁷ ISAALKNVG ⁸ YKLP ⁹ GKKIT ¹⁰ INMAPAD ¹¹ LRKEGSA	78
NTDB id 218865 B2B93 RS13255 WP 010928622.1	MTLAVL ¹ ASRAIAG ² GWQAPAVRVETH ³ LGSGLP ⁴ PAFA ⁵ IVGLPD ⁶ VEVRESR ⁷ ERVRAAIQNSGF ⁸ DFPPGRIT ⁹ VNLSPADLP ¹⁰ PKASAR	80
NTDB id 1271 LPP RS03220 WP 011213198.1	MSLAFT ¹ TKRSTIG ² IVAQPVSVEVHLSNGLPS ³ F ⁴ TMVGLAETAVKESK ⁵ DRVRS ⁶ AIINSQF ⁷ EFPCR ⁸ KITVNLG ⁹ PANLPK ¹⁰ TGSG	80
NTDB id 1248 GC085 RS03150 WP 011213198.1	MSLAFT ¹ TKRSTIG ² IVAQPVSVEVHLSNGLPS ³ F ⁴ TMVGLAETAVKESK ⁵ DRVRS ⁶ AIINSQF ⁷ EFPCR ⁸ KITVNLG ⁹ PANLPK ¹⁰ TGSG	80
NTDB id 1397 DSB67 RS15690 WP 005535577.1	MGLAII ¹ HSRASVGVQAPS ² VSEVHISNGMPG ³ FTLVGLPETTVKESK ⁴ DRVRS ⁵ AIVNSNFQ ⁶ FPAKRIT ⁷ VNLAPADLP ⁸ KEGGR	80
NTDB id 1153 A1552VC RS00115 WP 000521788.1	MGLAII ¹ HSRASIGVQAPPV ² TVEVHISNGMPG ³ FTLVGLPETTVKESR ⁴ DRVRS ⁵ AIINSR ⁶ FEP ⁷ PAKRIT ⁸ VNLAPADLP ⁹ KEGGR	80
NTDB id 1387 A4U84 RS06900 WP 020457569.1	MSLAII ¹ YSRASIGVEAPLV ² TIEVHISGGSPGL ³ TLVGLPEKS ⁴ VKEAQ ⁵ DRVRSALMNANFD ⁶ YPARRIT ⁷ INLAPADLP ⁸ KEGGR	80
NTDB id 1349 HI 1117 AAC22771.1	MSLAIV ¹ YSRASMGVQAPLV ² TIEVHLSNGKPG ³ FTLVGLPEKT ⁴ VKEAQ ⁵ DRVRSALMNAQ ⁶ FKYPAKRIT ⁷ VNLAPADLP ⁸ KEGGR	80
consensus	***!*** *****!*!* *****!*****!*****!!!!** *****!*****!*****!*****!*****!*****!*****	

logo

NTDB id 1323 RAOC RS07335 WP 004916218.1	YDLSIALGILAASGQIIAPE.....IERYLIMGELS ¹ LDGG ² LQPIKGVLP ³ IAIRA ⁴ .REEGF ⁵ KGITL ⁶ PKQNTREAA ⁷ IVNDLE	152
NTDB id 218865 B2B93 RS13255 WP 010928622.1	FDLPIALGIL ¹ LASGQVAASAAQTAALPDCV ² WAAELSLSGAL ³ VPLAAPLALALAVAREQ ⁴ PGATLVLPAGSA ⁵ AAVAAWVPGIR	160
NTDB id 1271 LPP RS03220 WP 011213198.1	FDLPIALGILAASEQIPLTN.....LANHEF ¹ IGELALS ² GELRGVSA ³ IIPAVLAA...HKDNQHL ⁴ ITANANAAEASLTGHQK	153
NTDB id 1248 GC085 RS03150 WP 011213198.1	FDLPIALGILAASEQIPLTN.....LANHEF ¹ IGELALS ² GELRGVSA ³ IIPAVLAA...HKDNQHL ⁴ ITANANAAEASLTGHQK	153
NTDB id 1397 DSB67 RS15690 WP 005535577.1	FDLPIALGILAASEQIATDK.....LKNYEF ¹ VGELALS ² GGLRTVKGVL ³ PAALAA...NKKQR ⁴ HLLVPHANGDQAALVGKEQ	153
NTDB id 1153 A1552VC RS00115 WP 000521788.1	FDLPIALGILAASDQIARNK.....LESYEF ¹ IGELALS ² GELRGVKGVL ³ PAALAA...NQVERCLV ⁴ VPHSNGDQAALVGVER	153
NTDB id 1387 A4U84 RS06900 WP 020457569.1	FDLPIAIGILAASGQIDSDK.....LKRIE ¹ LLGELSL ² TGHLRGVHGA ³ IPAVLAA...SKAKRE ⁴ IIVPQQNANEVSLVSNTQ	153
NTDB id 1349 HI 1117 AAC22771.1	FDLPIAIGILAASDQIDASH.....LKQF ¹ EFV ² AEALATG ³ QLRGVHGVI ⁴ PAILAA...QKSKRE ⁵ LITAKQNANEASLVSDQN	153
consensus	***!***!***!***!***!* *****!***!*** ***** ***** ** *	

logo

NTDB id 1323 RAOC RS07335 WP 004916218.1	VYGVENI ¹ KEVID ² FFNENC ³ PLEPTKVNTREEFHKRVNLP ⁴ FPDFSEV ⁵ KGQETAKRAME ⁶ VAAAGGHNI ⁷ LIGPPGSG ⁸ KTMLAK	232
NTDB id 218865 B2B93 RS13255 WP 010928622.1	VLAH ¹ ITLGEAAAYLAGHAELAPAERRSWP.....EVEPGPCLSD ² VRGQPAARRALE ³ VAAAGGHSLLMCGPPGAGK ⁴ SMLAQ	235
NTDB id 1271 LPP RS03220 WP 011213198.1	VFTANNLREVC ¹ DYLCQGTS ² LQSLPPK ³ PDL...LLNNYELD ⁴ WDIKGQ ⁵ QHAKNAMVIAACGGHS ⁶ ILLSCAPGS ⁷ GKTMMAK	229
NTDB id 1248 GC085 RS03150 WP 011213198.1	VFTANNLREVC ¹ DYLCQGTS ² LQSLPPK ³ PDL...LLNNYELD ⁴ WDIKGQ ⁵ QHAKNAMVIAACGGHS ⁶ ILLSCAPGS ⁷ GKTMMAK	229
NTDB id 1397 DSB67 RS15690 WP 005535577.1	HKSAQSLLEVCAELCGQHQLNLYQT ¹ PKKK...ELKAHGRDL ² QDIIGQQ ³ GKRALEIAAAGNHNLL ⁴ FLGPPGTG ⁵ KTMLAS	229
NTDB id 1153 A1552VC RS00115 WP 000521788.1	HKSAQSLLEVCA ¹ DLCGQT ² LSLFQSSPSV...QQVSQTRDL ³ QDIIGQQ ⁴ GKRALEIAAAGNHNLL ⁵ FLGPPGTG ⁶ KTMLAS	229
NTDB id 1387 A4U84 RS06900 WP 020457569.1	TYCASTLLQV ¹ VN ² FLNNRDQLPIAQQLSQNIAEN.RPLVSRDL ³ TDIIGQQ ⁴ HAKRALIIAASG ⁵ QHNNLL ⁶ FLGPPGTG ⁷ KTMLAS	232
NTDB id 1349 HI 1117 AAC22771.1	TYFAQTLLDV ¹ VQFLNGQEK ² LPLATEIVKESAVNFSGKNTL ³ DLTDIIGQQ ⁴ HAKRALTIAAAG ⁵ QHNNLL ⁶ FLGPPGTG ⁷ KTMLAS	233
consensus	* ***** ** ** ! ***** !*! ***** *!!!! !***** !!!!!!!*!!!!	

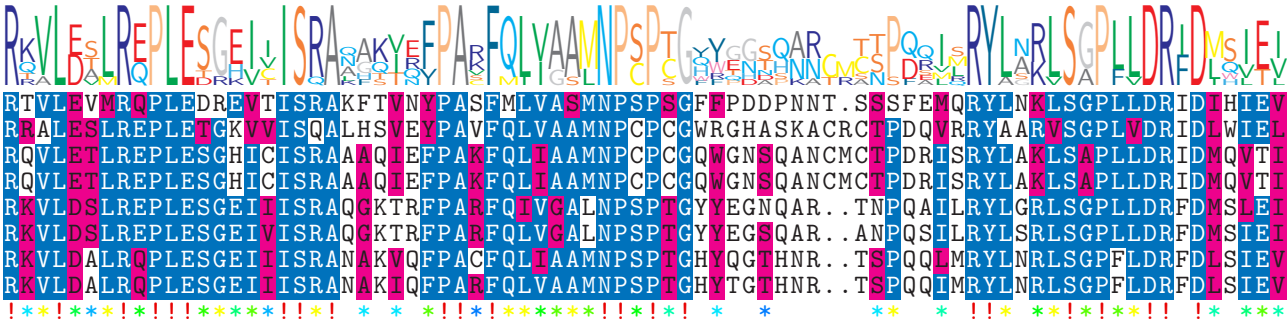
logo

NTDB id 1323 RAOC RS07335 WP 004916218.1	RIPSLP ¹ PLTLKEALET ² TKIHSVAGKMGAE ³ TSMTIRPFRSP ⁴ PHHTISDVALVGGGSYPQ ⁵ PGEISLAHNGVLF ⁶ LDMP ⁷ FEK	312
NTDB id 218865 B2B93 RS13255 WP 010928622.1	RLPGLLPLEQRQALEVA ¹ AIAGAGGAPE...LRGPPFRAPHHSASAAALVGGGAR ² PPGEISLAHNGVLF ³ LDPE ⁴ FE	312
NTDB id 1271 LPP RS03220 WP 011213198.1	RFSTLLPELSETQALECA ¹ AAINSIRGKLPD.FREW ² RLPPFRAPHHTASPV ³ ALVGGGNPPK ⁴ GEISLAHNGVLF ⁵ LDPEFN	308
NTDB id 1248 GC085 RS03150 WP 011213198.1	RFSTLLPELSETQALECA ¹ AAINSIRGKLPD.FREW ² RLPPFRAPHHTASPV ³ ALVGGGNPPK ⁴ GEISLAHNGVLF ⁵ LDPEFN	308
NTDB id 1397 DSB67 RS15690 WP 005535577.1	RLCDLLPEMSDEEAMETASV ¹ ASLTQSEIN.EHNW ² KTRPFRAPHHSSSMAALVGGGSV ³ PRPGEISLAHNG ⁴ LLFLDEM ⁵ PEFD	308
NTDB id 1153 A1552VC RS00115 WP 000521788.1	RLCDLLPEMSDEEAMETASIASLTQ ¹ QEIN.QHNW ² KLRPFRAPHHSSSMAALVGGGTIP ³ RPGEISLAHNG ⁴ LLFLDEM ⁵ PEFE	308
NTDB id 1387 A4U84 RS06900 WP 020457569.1	RLADLLPEMEDDEAIETASV ¹ SLVQNELN.FQNW ² KKRPF ³ PHHSASMAALVGGGSIP ⁴ KPGEISLAHNGVLF ⁵ LDPEFE	311
NTDB id 1349 HI 1117 AAC22771.1	RLTGLLPEMTDL ¹ EAIETASV ² SLVQNELN.FHNW ³ KQRPFRAPHHSASMPALVGGGTIP ⁴ KPGEISLAHNGVLF ⁵ LDPEFE	312
consensus	!* ***** *!*** * ** ** *****!*****!*****!*****!*****!*****!*****	

logo

NTDB id 1323 RAOC RS07335 WP 004916218.1
NTDB id 218865 B2B93 RS13255 WP 010928622.1
NTDB id 1271 LPP RS03220 WP 011213198.1
NTDB id 1248 GC085 RS03150 WP 011213198.1
NTDB id 1397 DSB67 RS15690 WP 005535577.1
NTDB id 1153 A1552VC RS00115 WP 000521788.1
NTDB id 1387 A4U84 RS06900 WP 020457569.1
NTDB id 1349 HI 1117 AAC22771.1

consensus

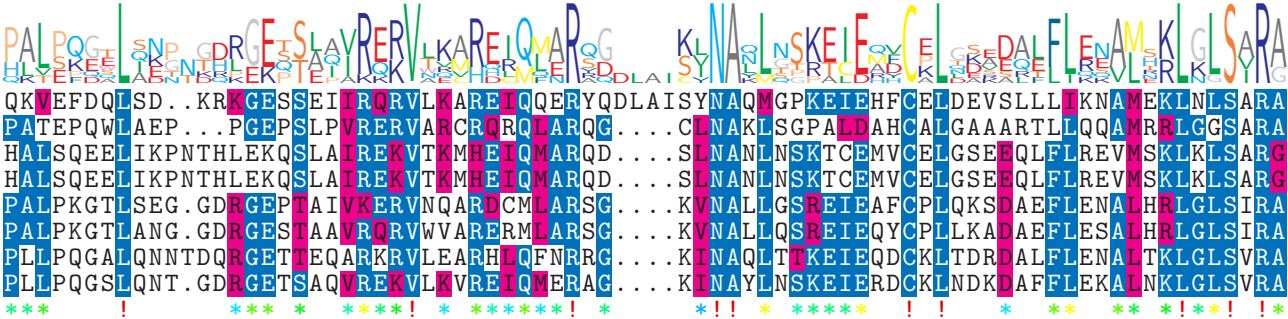


391
392
398
388
386
386
389
390

logo

NTDB id 1323 RAOC RS07335 WP 004916218.1
NTDB id 218865 B2B93 RS13255 WP 010928622.1
NTDB id 1271 LPP RS03220 WP 011213198.1
NTDB id 1248 GC085 RS03150 WP 011213198.1
NTDB id 1397 DSB67 RS15690 WP 005535577.1
NTDB id 1153 A1552VC RS00115 WP 000521788.1
NTDB id 1387 A4U84 RS06900 WP 020457569.1
NTDB id 1349 HI 1117 AAC22771.1

consensus



469
465
464
464
461
461
465
465

logo

NTDB id 1323 RAOC RS07335 WP 004916218.1
NTDB id 218865 B2B93 RS13255 WP 010928622.1
NTDB id 1271 LPP RS03220 WP 011213198.1
NTDB id 1248 GC085 RS03150 WP 011213198.1
NTDB id 1397 DSB67 RS15690 WP 005535577.1
NTDB id 1153 A1552VC RS00115 WP 000521788.1
NTDB id 1387 A4U84 RS06900 WP 020457569.1
NTDB id 1349 HI 1117 AAC22771.1

consensus



510
500
503
503
507
507
510
509

☒ non conserved
☒ similar
☒ ≥ 50% conserved