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NTDB id 1284 ACE17W RS12370 WP 010946666.1	MRKIIAILII..ISASISMAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDLFISTDMQIPSDQ	78
NTDB id 1257 GC085 RS04855 WP 163621000.1	MRKIIAILIL..ISASISLAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDLFISTDMQIPSDQ	78
NTDB id 1186 GTF74 RS01320 WP 000788426.1		0
NTDB id 1175 A1552VC RS12105 WP 000788426.1		0
NTDB id 60514 HK86 RS00200 WP 005488227.1		0
NTDB id 1408 DSB67 RS13980 WP 010643500.1		0
NTDB id 1193 PAKAF RS26665 WP 003161249.1	MNSGLSRLGIALLAA.MFAPALLAADLEKLDVAALPGDRVELKQLQFDEPVA.APRGYTIEQPARIALDLPGVQNKLG..T	76
NTDB id 1009 ACIAD RS15175 WP 004923730.1	MKQIIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDKAGQKLA..K	77
NTDB id 1039 HON27 RS01460 WP 031993779.1	MNHVFRQFSMGAVAIAIMQAAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGGLK..Q	77
NTDB id 1052 ABD1 RS15850 WP 001017033.1	MNHVFRQFSMGAVAIAIMQAAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGGLK..Q	77
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NTDB id 1284 ACE17W RS12370 WP 010946666.1	KTCTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSIYSLVLNGKSNDLFENSKE.....VFITNQV	145
NTDB id 1257 GC085 RS04855 WP 163621000.1	KTCTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSVYSLVLNGKSNDLFENSKE.....VFITNQV	145
NTDB id 1186 GTF74 RS01320 WP 000788426.1	MKNGLKTY..VAQTWLTLVWGL...ALCASSM.....VF..SAE	32
NTDB id 1175 A1552VC RS12105 WP 000788426.1	MKNGLKTY..VAQTWLTLVWGL...ALCASSM.....VF..SAE	32
NTDB id 60514 HK86 RS00200 WP 005488227.1	MKMRQGLTRTPRMLTGLFSLWLFL...LLAP.....LA..AAE	33
NTDB id 1408 DSB67 RS13980 WP 010643500.1	MKMRHGLTLTPRKLTLGLFSLWFL...LLAP.....FV..AAE	33
NTDB id 1193 PAKAF RS26665 WP 003161249.1	KNRELISVGNTRSVTVVEAKDRTRLIINLTLLSSYTTTRVEGNLNFVVVGNSPAGASVASTAPVKASPAPASYAQPIKPKPY	156
NTDB id 1009 ACIAD RS15175 WP 004923730.1	SLIPVTTNEASSIDVSSDDKRARVVVNLKDAAGFTTRVEGNVFILKINNIQSTAT.....PVAT..SA.....	138
NTDB id 1039 HON27 RS01460 WP 031993779.1	SKISVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSNK.....PLPV..VS.....	138
NTDB id 1052 ABD1 RS15850 WP 001017033.1	SKISVATNEASSVDVTSDDQRSRLTVNLKDAAGFTTRVEGNTFILKINSAQTSNK.....PLPV..VS.....	138
consensus	* * * * *	

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NTDB id 1284 ACE17W RS12370 WP 010946666.1	VNAKHEIKRIDFRGIEKQGGRLVIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 1257 GC085 RS04855 WP 163621000.1	VNAKHEIKRIDFRGIEKQGGRLVIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 1186 GTF74 RS01320 WP 000788426.1	SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPST	112
NTDB id 1175 A1552VC RS12105 WP 000788426.1	SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPST	112
NTDB id 60514 HK86 RS00200 WP 005488227.1	DVQSNALKSIDFRTNKS KDAVIVVELASPA AIVDVKRVQEGLSIDL MNTSVKDEQLYLLDVKDFATVVESVEVFRDTSTT	113
NTDB id 1408 DSB67 RS13980 WP 010643500.1	EVQSNLSKSIDFRTNKDKDAVIVVELVSPA AIVDKRVQEGLSIDL LNTSVKDDQLYLLDVKDFSTTVVESVEVFRDTSTT	113
NTDB id 1193 PAKAF RS26665 WP 003161249.1	VPAGRAIRNIDFQRGEKGE GNVVIDLSDPITLSPDIQEQQGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASQSDRT	236
NTDB id 1009 ACIAD RS15175 WP 004923730.1	PAPQGGIGNIGFQRGAQGEGLVVIDLQGTNTPVDVQQQGSKVVRFPGKIPKIPHTLARRLNTTDFATPVASIDSYNDQSGNG	218
NTDB id 1039 HON27 RS01460 WP 031993779.1	.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG	217
NTDB id 1052 ABD1 RS15850 WP 001017033.1	.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG	217
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NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
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NTDB id 1408 DSB67 RS13980 WP 010643500.1
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NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
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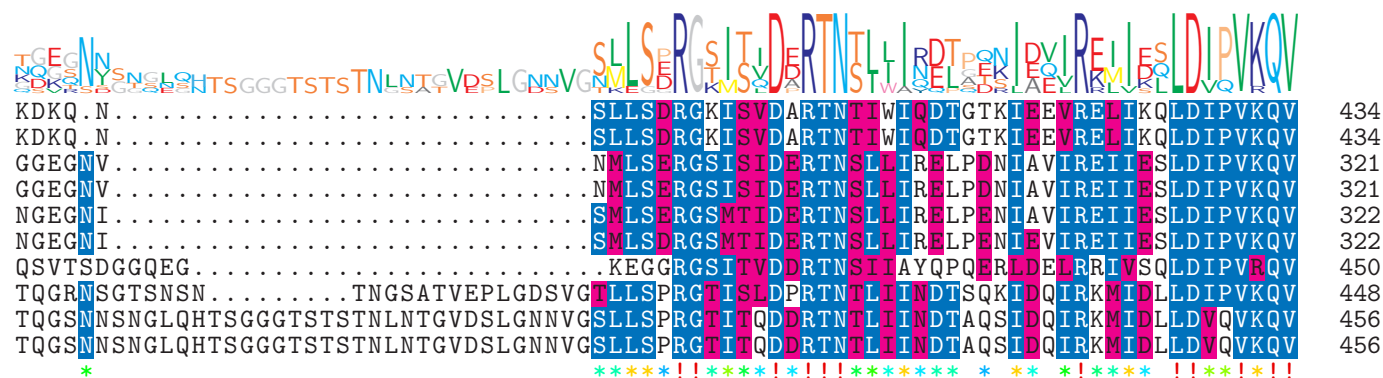


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NTDB id 1257 GC085 RS04855 WP 163621000.1
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NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus

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NTDB id 1284	ACE17W	RS12370	WP 010946666.1	LIEARIVEVT	KDFSQDIGIRWGVSRP	THL.....SGTLEG.....A.....NELAR	GTAPANVVP	LERRLNLD	LAA	495	
NTDB id 1257	GCO85	RS04855	WP 163621000.1	LIEARIVEVT	KDFSQDIGIRWGVSRP	THL.....SGTLEG.....A.....NELAR	GTAPANVVP	LERRLNLD	LAA	495	
NTDB id 1186	GTF74	RS01320	WP 000788426.1	QIEARIVTV	KEGNLEELGVRWGV	MSHSHSV...GGSIESNLWQKGLLA.....DDEFV	DEFLNVN	LAS		384	
NTDB id 1175	A1552VC	RS12105	WP 000788426.1	QIEARIVTV	KEGNLEELGVRWGV	MSHSHSV...GGSIESNLWQKGLLA.....DDEFV	DEFLNVN	LAS		384	
NTDB id 60514	HK86	RS00200	WP 005488227.1	QIEARIVT	ISEGNMDELGIRWG	FTSINGNNTV...GGSIIENNLATIGLYEG....GGD	GEGEGGDGV	IDDFLNVN	LAA	395	
NTDB id 1408	DSB67	RS13980	WP 010643500.1	QIEARIVT	INEGNMDELGVRWG	FTSINGSHTV...GGSIIENNLATIGLYDG....GGE..	GDDGGSSVG	IDDFLNVN	LAA	393	
NTDB id 1193	PAKAF	RS26665	WP 003161249.1	MIEARIVEAN	VGYDKSLGVRWGG	AYHKGWNWSG...YGKDGN.IGIKDEDGMNCGPIAG	SCTFPTTGT	SKSPSPFV	DLGA	525	
NTDB id 1009	ACIAD	RS15175	WP 004923730.1	MIEARIVRA	TTSFSKEMGVK	WGIILSQGINQNSNLLVGGSETTLWNLRNP	PD...SN....	GTYYTI...ERP	DNLNV	DLGV	517
NTDB id 1039	HON27	RS01460	WP 031993779.1	MVEARIVRA	STSFTELGVK	WGIILSQGITNNNNLLVGGSETTLWNLRNP	PK...KDETT	GKYKTI...ERP	DNLNV	DLGV	530
NTDB id 1052	ABD1	RS15850	WP 001017033.1	MVEARIVRA	STSFTELGVK	WGIILSQGITNNNNLLVGGSETTLWNLRNP	PK...KDETT	GKYKTI...ERP	DNLNV	DLGV	530
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NTDB id 1284	ACE17W	RS12370	WP 010946666.1	APLTGATPASVGI	ALAKLNDN	ILLDLELSALESEGRAELISSPRLITTNQQA	AVIESGEEIPYQEATSSGA...	TAVAFK	572																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1257	GCO85	RS04855	WP 163621000.1	VPLTGATPASVGI	ALAKLNDN	ILLDLELSALESEGRAELISSPRLITTNQQA	AVIESGEEIPYQEATSSGA...	TAVAFK	572																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1186	GTF74	RS01320	WP 000788426.1	T...SANASSIAFQVAKLGS	SGTLLDLELSALQNESKAEI	ISSPRLITTNKQP	PAYIEQGTEIPYLESSSSGA...	STVAFK	458																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1175	A1552VC	RS12105	WP 000788426.1	T...SANASSIAFQVAKLGS	SGTLLDLELSALQNESKAEI	ISSPRLITTNKQP	PAYIEQGTEIPYLESSSSGA...	STVAFK	458																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 60514	HK86	RS00200	WP 005488227.1	T...NPNAASIAFQVAKLGS	SDTLLDLELSALQQESKAEI	ISSPRLITTNKQP	PAYIEQGTEIPYLESSSSGA...	TSVTFK	469																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1408	DSB67	RS13980	WP 010643500.1	T...SPNAT	SIAFQVAKLGS	SDTLLDLELSALQQESKAEI	ISSPRLITTNKQP	PAYIEQGTEIPYLESSSSGA...	TSVTFK	467																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB id 1193	PAKAF	RS26665	WP 003161249.1	K...DA	TSGIGIGFI.T.DN	ILDLQLSAMEKGTNGEIVSQPKVVTSD	KETAKILKGSEVPYQEASSGA...	TS	TSFK	596																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB id 1009	ACIAD	RS15175	WP 004923730.1	T...TTGASSIAFGLISL	SDFMLDLELSALQADGYGEVISTPKVMSADKQ	KAKVATGVEVPYQSTTNSA	AAGSTATT	TSFK	593																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1039	HON27	RS01460	WP 031993779.1	S...NP	AGSIAFGLISM.SDFMLDLELSALQADGYGEVISTPKVMTADKQ	TAKVATGQVVPYQSTTNSA	AAGSTATT	TSFK	605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1052	ABD1	RS15850	WP 001017033.1	S...NP	AGSIAFGLISM.SDFMLDLELSALQADGYGEVISTPKVMTADKQ	TAKVATGQVVPYQSTTNSA	AAGSTATT	TSFK	605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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NTDB id 1284	ACE17W	RS12370	WP 010946666.1	KAVLSLK	VTPQITPDGKILMDLQ	INQDTPSPQT.FLGVP...AIITKEIQTNVLV	NNGQTIVLGGIYKQDKNKVINRIPF		648
NTDB id 1257	GCO85	RS04855	WP 163621000.1	KAVLSLK	VTPQITPDGKILMDLQ	INQDTPSPQT.FLGVP...AIITKEIQTNVLV	NNGQTIVLGGIYKQDKNKVINRIPF		648
NTDB id 1186	GTF74	RS01320	WP 000788426.1	KAVLSLK	VTPQITPDNRLVLDLS	VTQDRRG	ETV.KTGTGEAVSIDTQRIGTQVLV	NNGETTVLGGIFQHSINNSVDKVPL	537
NTDB id 1175	A1552VC	RS12105	WP 000788426.1	KAVLSLK	VTPQITPDNRLVLDLS	VTQDRRG	ETV.KTGTGEAVSIDTQRIGTQVLV	NNGETTVLGGIFQHSINNSVDKVPL	537
NTDB id 60514	HK86	RS00200	WP 005488227.1	KAVLSLK	VTPQITPDNRLVLDLS	VTQDRPGKV	V.KTGTGEAMAIDTQRIGTQVLV	NNGETTVLGGIFQHSITNSVDKVPL	548
NTDB id 1408	DSB67	RS13980	WP 010643500.1	KAVLSLK	VTPQITPDNRLVLDLS	VTQDRPGQV	V.KTGTGEAVIDTQRIGTQVLV	NNGETTVLGGIFQHSITNSVDKVPL	546
NTDB id 1193	PAKAF	RS26665	WP 003161249.1	EAA	LSLEVTPQITPDNRI	IVEVKVTKDAPDYQNMLNGVP...PINKNEVNAKILV	NDGETIVIGGVFSNEQSKSVEKVPF		673
NTDB id 1009	ACIAD	RS15175	WP 004923730.1	EALLS	LEVTPNITPDGKILMELN	IANDSINS.YAQNGEA...ILNKNTINTNV	LVNGETTVLGGVFEQTTNNAVTKVPF		669
NTDB id 1039	HON27	RS01460	WP 031993779.1	DALLSLN	VTPSITPDGKI	QMKLDISKDSVAG.AAPNGEL...ILNKNNINTNV	LVNGETTVLGGVFEQTTMNSQTKVPF		681
NTDB id 1052	ABD1	RS15850	WP 001017033.1	DALLSLN	VTPSITPDGKI	QMKLDISKDSVAG.AAPNGEL...ILNKNNINTNV	LVNGETTVLGGVFEQTTMNSQTKVPF		681
consensus				*****	*****	*****	*****	*****	*****

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☐ non conserved
☒ similar
☒ ≥ 50% conserved