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NTDB id 1284 ACE17W RS12370 WP 010946666.1	MRKIIAILII..ISASISLMAYSKDNSLISVKVLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ	78
NTDB id 1257 GC085 RS04855 WP 163621000.1	MRKIIAILIL..ISASISLAYSKDNSLISVKVLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ	78
NTDB id 349228 EZZ25 RS05315 WP 000788427.1		0
NTDB id 1186 GTF74 RS01320 WP 000788426.1		0
NTDB id 1175 A1552VC RS12105 WP 000788426.1		0
NTDB id 1408 DSB67 RS13980 WP 010643500.1		0
NTDB id 1193 PAKAF RS26665 WP 003161249.1	MNSGLSRLGIALLAA.MFAPALLAADLEKLDVAALPGDRVELKQLQFDEPVA.APRGYTIEQPARTIALDLPGVQNKLG..T	76
NTDB id 1009 ACIAD RS15175 WP 004923730.1	MKQIIRQFSIGTVAYAIMQVSAQVAITNVVPMNIPGGTEIRVMFNGLPP.QPQAYQLEQPARLLIDFDKAGQKLA..K	77
NTDB id 1039 HON27 RS01460 WP 031993779.1	MNHVFRQFSMGAVAIAIMQAAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLLIDFDKAQQGLK..Q	77
NTDB id 1052 ABD1 RS15850 WP 001017033.1	MNHVFRQFSMGAVAIAIMQAAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLLIDFDKAQQGLK..Q	77
consensus	* * * * *	

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NTDB id 1284 ACE17W RS12370 WP 010946666.1	STIITYTNEASVDVSDDDRRRLIYNKNGLSYTRVAGNLTWNLVYNLCSSSKPKKALGSTRHYNITLXKRSKUTHEMPRAVAFSSKTEFSYIKLGNASNDNEANAKEPVKASPLPYXAXSYXXITLNOV	145
NTDB id 1257 GC085 RS04855 WP 163621000.1	KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSIYSLVLNGKSNDLFENSKE.....VFITNQV	145
NTDB id 349228 EZZ25 RS05315 WP 000788427.1	KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSVYSLVLNGKSNDLFENSKE.....VFITNQV	32
NTDB id 1186 GTF74 RS01320 WP 000788426.1	MKNGLKT..YVAQTLWTLWVG....LALCASS.....MVFSA.E	32
NTDB id 1175 A1552VC RS12105 WP 000788426.1	MKNGLKT..YVAQTLWTLWVG....LALCASS.....MVFSA.E	32
NTDB id 1408 DSB67 RS13980 WP 010643500.1	MKNGLKT..YVAQTLWTLWVG....LALCASS.....MVFSA.E	32
NTDB id 1193 PAKAF RS26665 WP 003161249.1	MKMRHGLTLTPRKLTGLFSLWFS....LLLAP.....FVAA.E	33
NTDB id 1009 ACIAD RS15175 WP 004923730.1	KNREL SVGNTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNLNFVVGNSPAGASVASTAPVKASPAPASYAQPIKPKPY	156
NTDB id 1039 HON27 RS01460 WP 031993779.1	SLIPVTTNEASSIDVSSDDKRARVVVNLKDAAGFTTRVEGNVFILKINNIQSTAT.....PVAT..SA.....	138
NTDB id 1052 ABD1 RS15850 WP 001017033.1	SKISVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSNK.....PLPV..VS.....	138
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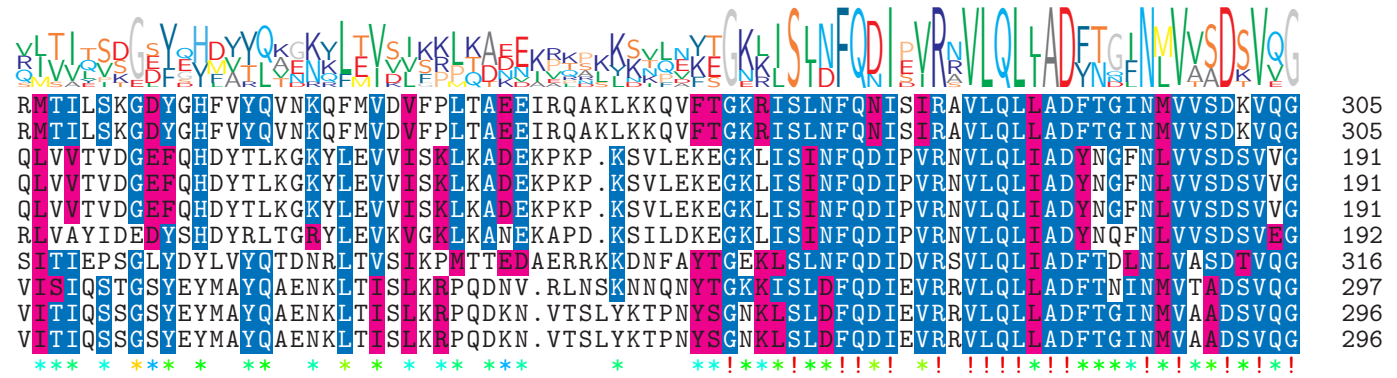
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NTDB id 1257 GC085 RS04855 WP 163621000.1	VNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 349228 EZZ25 RS05315 WP 000788427.1	SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPST	112
NTDB id 1186 GTF74 RS01320 WP 000788426.1	SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPST	112
NTDB id 1175 A1552VC RS12105 WP 000788426.1	SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPST	112
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NTDB id 1193 PAKAF RS26665 WP 003161249.1	VPAGRAIRNIDFQRGEKGENVVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRT	236
NTDB id 1009 ACIAD RS15175 WP 004923730.1	PAPQGGIGNIGFQRGAQGEGLVVIDLQGTNTPVDVQQQGSKVVIRDFPGIKIPHTLARRLNTTDFATPVASIDSYNDGSNG	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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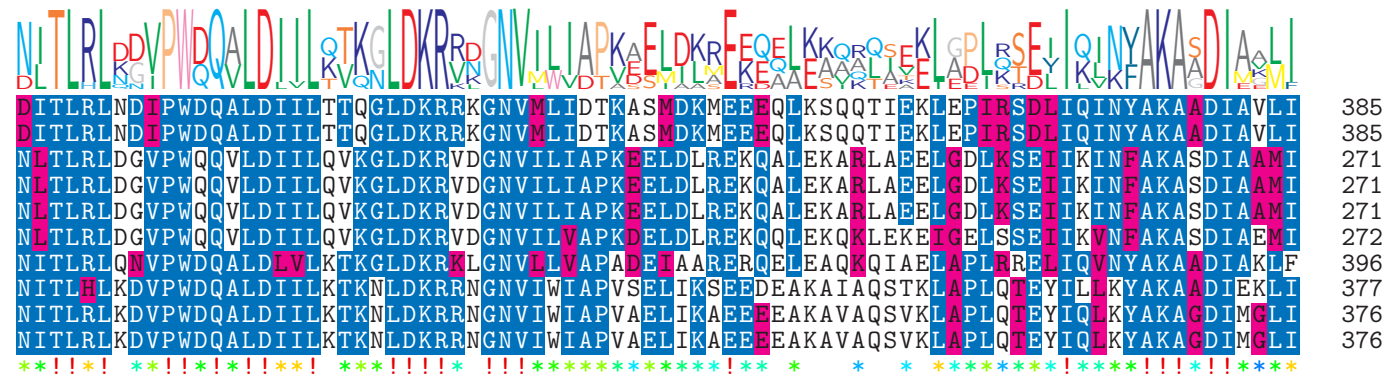


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NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus

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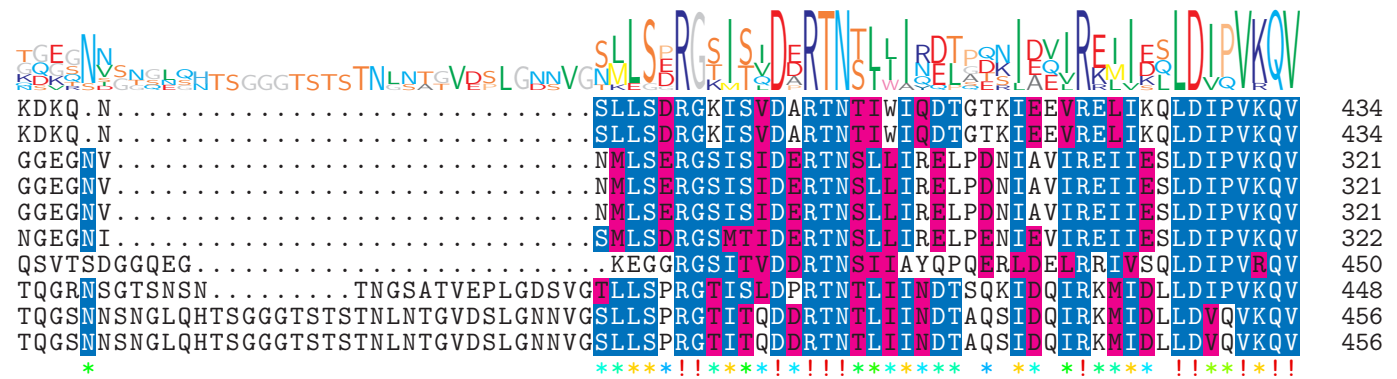


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NTDB id 1175 A1552VC RS12105 WP 000788426.1
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NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus

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NTDB id 1284	ACE17W	RS12370	WP 010946666.1	LIEARIVEVTKD	FSQDIGIRWGVSRP	THL.....SGTLEGA.....NELARG.TAPANVVPL.....ERRRLNLDLAA	495
NTDB id 1257	GCO85	RS04855	WP 163621000.1	LIEARIVEVTKD	FSQDIGIRWGVSRP	THL.....SGTLEGA.....NELARG.TAPANVVPL.....ERRRLNLDLAA	495
NTDB id 349228	EZZ25	RS05315	WP 000788427.1	QIEARIVTVKEGN	LEELGVRWGV	MSTNGSHS...VGGSIENLWQKGLLAD.....DKFPV.....DEFLNVNLAS	384
NTDB id 1186	GTF74	RS01320	WP 000788426.1	QIEARIVTVKEGN	LEELGVRWGV	MSTNGSHS...VGGSIENLWQKGLLAD.....DEFPV.....DEFLNVNLAS	384
NTDB id 1175	A1552VC	RS12105	WP 000788426.1	QIEARIVTVKEGN	LEELGVRWGV	MSTNGSHS...VGGSIENLWQKGLLAD.....DEFPV.....DEFLNVNLAS	384
NTDB id 1408	DSB67	RS13980	WP 010643500.1	QIEARIVTINEGN	MDELGVRWGFTS	SINGSH...VGGSIENNLLATIGLYDGGGEG.DDGGSSVGI.....DDFLNVNLA	393
NTDB id 1193	PAKAF	RS26665	WP 003161249.1	MIEARIVEANVG	YDKSLGVRWGG	AYHKGWNSG...YGKDGN.IGIKDEDEGMNCGPIAGSCTFPTTGT	525
NTDB id 1009	ACIAD	RS15175	WP 004923730.1	MIEARIVRATTS	FSKEMGVKWG	ILSQGINQNSNLVGGSETTLWNLRNPD...SN.....GTYYTI...ERP	517
NTDB id 1039	HON27	RS01460	WP 031993779.1	MVEARIVRAST	SFTKELGVKWG	ILSQGITNNNNLLVGGSETTLWNLRNPD...KDETTGGYKYTI...ERP	530
NTDB id 1052	ABD1	RS15850	WP 001017033.1	MVEARIVRAST	SFTKELGVKWG	ILSQGITNNNNLLVGGSETTLWNLRNPD...KDETTGGYKYTI...ERP	530
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NTDB id 1284	ACE17W	RS12370	WP 010946666.1	APLTG	ATP	ASVGI	ALAKLNDNI	LLDLELSAL	E	SEGRAEL	ISSPRLITTNQQA	AV	IESG	EEIPYQEATSSGA...	T	AVAFK	572					
NTDB id 1257	GCO85	RS04855	WP 163621000.1	VPLTG	ATP	ASVGI	ALAKLNDNI	LLDLELSAL	E	SEGRAEL	ISSPRLITTNQQA	AV	IESG	EEIPYQEATSSGA...	T	AVAFK	572					
NTDB id 349228	EZZ25	RS05315	WP 000788427.1	T...	S	ANASSIAFQ	VAKLGS	GT	LLDLELSALQ	NESKAEI	ISSPRLITTNKQ	PAY	IEQG	T	EIPYLESSSSGA...	S	TVAFK	458				
NTDB id 1186	GTF74	RS01320	WP 000788426.1	T...	S	ANASSIAFQ	VAKLGS	GT	LLDLELSALQ	NESKAEI	ISSPRLITTNKQ	PAY	IEQG	T	EIPYLESSSSGA...	S	TVAFK	458				
NTDB id 1175	A1552VC	RS12105	WP 000788426.1	T...	S	ANASSIAFQ	VAKLGS	GT	LLDLELSALQ	NESKAEI	ISSPRLITTNKQ	PAY	IEQG	T	EIPYLESSSSGA...	S	TVAFK	458				
NTDB id 1408	DSB67	RS13980	WP 010643500.1	T...	S	PNAT	SIAFQ	VAKLGS	SDT	LLDLELSALQ	QESKAEI	ISSPRLITTNKQ	PAY	IEQG	T	EIPYLESSSSGA...	T	SVTFK	467			
NTDB id 1193	PAKAF	RS26665	WP 003161249.1	K...	D	A	TSGIGIGFI	T.DNI	I	LDLQLS	A	EK	TGNGEIV	SQPKVVT	SDK	E	TAKILKG	SEVPYQEASSGA...	T	ST	SFK	596
NTDB id 1009	ACIAD	RS15175	WP 004923730.1	T...	T	TGASSIAFGLIS	L	SDF	M	LDLELSALQ	A	DGYGEVIST	PKVMSAD	KQAK	V	ATG	VEVPYQSTTNSA	AAGSTATT	S	FK	593	
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consensus				*	**	*****	*		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

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NTDB id 1284	ACE17W	RS12370	WP 010946666.1	KAVLSLKVTPQITPDGKILMDLQ	INQDTPSPQT.FLGVP...AIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPF	648											
NTDB id 1257	GCO85	RS04855	WP 163621000.1	KAVLSLKVTPQITPDGKILMDLQ	INQDTPSPQT.FLGVP...AIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPF	648											
NTDB id 349228	EZZ25	RS05315	WP 000788427.1	KAVLSLKVTPQITPDNRLVLDLS	VTQDRRGETV.KTGTGEAVSIDTQRIGTQVLVNNGETTVVLGGIFQHSINNSVDKVPL	537											
NTDB id 1186	GTF74	RS01320	WP 000788426.1	KAVLSLKVTPQITPDNRLVLDLS	VTQDRRGETV.KTGTGEAVSIDTQRIGTQVLVNNGETTVVLGGIFQHSINNSVDKVPL	537											
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NTDB id 1408	DSB67	RS13980	WP 010643500.1	KAVLSLKVTPQITPDNRLVLDLS	VTQDRPGQVV.KTGTGEAVSIDTQRIGTQVLVNNGETTVVLGGIFQHSITNSVDKVPL	546											
NTDB id 1193	PAKAF	RS26665	WP 003161249.1	EAAALSLEVTPQITPDNRIIVEVK	VTKDAPDYQNMLNGVP...PINKNEVNAKILVNDGETIVIGGVFSNEQSKSVEKVPF	673											
NTDB id 1009	ACIAD	RS15175	WP 004923730.1	EALLSLEVTPNITPDGKILMELN	IANDSINS.YAQNGEA...ILNKNTINTNVLVNNGGETTVVLGGVFEQITTNNAVTKVPF	669											
NTDB id 1039	HON27	RS01460	WP 031993779.1	DALLSLNVTPSITPDGKIQMKLD	ISKDSVAG.AAPNGEL...ILNKNNINTNVLVNGETVILGGVFEQITTMNSQTKVPF	681											
NTDB id 1052	ABD1	RS15850	WP 001017033.1	DALLSLNVTPSITPDGKIQMKLD	ISKDSVAG.AAPNGEL...ILNKNNINTNVLVNGETVILGGVFEQITTMNSQTKVPF	681											
consensus				*!!!!!!!!!!!!!!!!*	*****	*****	!	*	*	*****	!!!!!!	*****	!!	*	*****	!	*

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