

logo

NTDB id 1257 GC085 RS04855 WP 163621000.1	MRKIIAILII..ISASISLAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ	78
NTDB id 1284 ACE17W RS12370 WP 010946666.1	MRKIIAILIL..ISASLSMAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ	78
NTDB id 1186 GTF74 RS01320 WP 000788426.1		0
NTDB id 1175 A1552VC RS12105 WP 000788426.1		0
NTDB id 203869 K05K4 RS14870 WP 005382765.1		0
NTDB id 1408 DSB67 RS13980 WP 010643500.1		0
NTDB id 1193 PAKAF RS26665 WP 003161249.1	MNSGLSRLGIALLAA.MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVA.APRGYTIEQPARTIALDLPGVQNKLG..T	76
NTDB id 1009 ACIAD RS15175 WP 004923730.1	MKQIIIRQFSIGTVAYAIMQVSAQVAITNVVPMNIPGQGTEIRVMFNGLPP.QPQAYQLEQPARLLIDFDKAGQKLA..K	77
NTDB id 1052 ABD1 RS15850 WP 001017033.1	MNHVFRQFSMGAVAIAIMQAAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLLIDFDKAQQGLK..Q	77
NTDB id 1039 HON27 RS01460 WP 031993779.1	MNHVFRQFSMGAVAIAIMQAAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLLIDFDKAQQGLK..Q	77
consensus	* * * * *	

logo

NTDB id 1257 GC085 RS04855 WP 163621000.1	KTCTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSVYSLVLNGKSNDFENSK.....EVFI.....TNQV	145
NTDB id 1284 ACE17W RS12370 WP 010946666.1	KTCTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSVYSLVLNGKSNDFENSK.....EVFI.....TNQV	145
NTDB id 1186 GTF74 RS01320 WP 000788426.1	MKNGLKTY..VAQTWLTWVGL...ALCASS.....MVFI.....SAE	32
NTDB id 1175 A1552VC RS12105 WP 000788426.1	MKNGLKTY..VAQTWLTWVGL...ALCASS.....MVFI.....SAE	32
NTDB id 203869 K05K4 RS14870 WP 005382765.1	MKMRQGLTRTPRILTGLFSLWLFV...FLA.....PLA.....AAE	33
NTDB id 1408 DSB67 RS13980 WP 010643500.1	MKMRHGLTLTPRKLTLGLFSLWLFSL...LLA.....PFV.....AAE	33
NTDB id 1193 PAKAF RS26665 WP 003161249.1	KNRELISVGNTRSVTVVEAKDRTRLINLTTLSSTTRVEGNLNFVVGNSPAGASVASTAPVKASPAPASYAQPIKPKPY	156
NTDB id 1009 ACIAD RS15175 WP 004923730.1	SLIPVTTNEASSIDVSSDDKRARVVNLKDGAGFTTRVEGNVFILKINNIQSTAT.....PVAT..SA.....	138
NTDB id 1052 ABD1 RS15850 WP 001017033.1	SKISVATNEASSVDVTSDDQRSRLTVNLKDGAGFTTRVEGNVFILKINSAQTSNK.....PLPV..VS.....	138
NTDB id 1039 HON27 RS01460 WP 031993779.1	SKISVATNEASSVDVTSDDQRSRLTVNLKDTGAGFTTRVEGNVFILKINSAQTSNK.....PLPV..VS.....	138
consensus	* * * * *	

logo

NTDB id 1257 GC085 RS04855 WP 163621000.1	VNAKHEIKRIDFRGIEKQGGRLVIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 1284 ACE17W RS12370 WP 010946666.1	VNAKHEIKRIDFRGIEKQGGRLVIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 1186 GTF74 RS01320 WP 000788426.1	SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKQVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPST	112
NTDB id 1175 A1552VC RS12105 WP 000788426.1	SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKQVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPST	112
NTDB id 203869 K05K4 RS14870 WP 005382765.1	EVSSNALKSIDFRTNKDKDAVIVVELASPA AIVDIKRVQEGLSIDLLNTSVKDEQLYLLDVKDFSTVVESVEVFRDTSTT	113
NTDB id 1408 DSB67 RS13980 WP 010643500.1	EVQSNLSKSIDFRTNKDKDAVIVVELVSPAAIVDIKRVQEGLSIDLLNTSVKDDQLYLLDVKDFSTVVESVEVFRDTSTT	113
NTDB id 1193 PAKAF RS26665 WP 003161249.1	VPAGRAIRNIDFQRGEKGEKNVVIDLSDPTLSPDIQEQQGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASQAQSDRT	236
NTDB id 1009 ACIAD RS15175 WP 004923730.1	PAPQGGIGNIGFQRGAQGEGLVVIDLQGTNTPVDVQQQGSKVVRFPGIKIPHTLARRLNTTDFATPVASIDSYNDGSNG	218
NTDB id 1052 ABD1 RS15850 WP 001017033.1	.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG	217
NTDB id 1039 HON27 RS01460 WP 031993779.1	.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG	217
consensus	* * * * *	

logo

```

NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 203869 K05K4 RS14870 WP 005382765.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
consensus

```



logo

```

NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 203869 K05K4 RS14870 WP 005382765.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
consensus

```

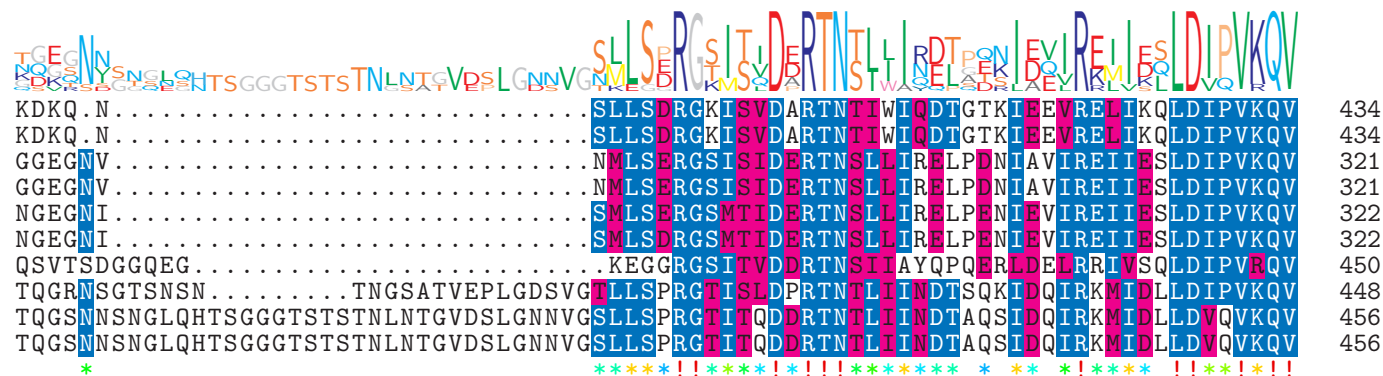


logo

```

NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 203869 K05K4 RS14870 WP 005382765.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
consensus

```



logo

NTDB id 1257 GC085 RS04855 WP 163621000.1	LIEARIVEVT	KDFSQDIGIRWGVSRP	THL.....SGTLEGA.....NELARGTAP	ANVV.....PLERRLN	LDLAA	495								
NTDB id 1284 ACE17W RS12370 WP 010946666.1	LIEARIVEVT	KDFSQDIGIRWGVSRP	THL.....SGTLEGA.....NELARGTAP	ANVV.....PLERRLN	LDLAA	495								
NTDB id 1186 GTF74 RS01320 WP 000788426.1	QIEARIVTV	KEGNLEELGVRWGV	MS	TNGSHS...VGG	SIESNLWQKGLLAD.....DEF.....PVDEFLNVN	LAS 384								
NTDB id 1175 A1552VC RS12105 WP 000788426.1	QIEARIVTV	KEGNLEELGVRWGV	MS	TNGSHS...VGG	SIESNLWQKGLLAD.....DEF.....PVDEFLNVN	LAS 384								
NTDB id 203869 K05K4 RS14870 WP 005382765.1	QIEARIVT	INEGNMDELGT	IRWGFTS	SING	SNT...VGG	SIENN	LATIGLYNGEGGDDGGDGDGV.....GIDDFLNVN	LAA 394						
NTDB id 1408 DSB67 RS13980 WP 010643500.1	QIEARIVT	INEGNMDELGT	IRWGFTS	SING	SHT...VGG	SIENN	LATIGLYDGGGEGD.DGGSSV.....GIDDFLNVN	LAA 393						
NTDB id 1193 PAKAF RS26665 WP 003161249.1	MIEARIVEAN	VGYDKSLGVRWGG	GAYHKG	NW	SG...YGK	DGN.IGIK	DEDEGMNCGPIAGSCTFPTTGT	SKSPSPFVDLGA 525						
NTDB id 1009 ACIAD RS15175 WP 004923730.1	MIEARIVRA	TTSFSKEMGV	KWGIL	LSQGINQNS	NL	LVGG	SETTLWNLRNP	...SN.....GT	YTI...ERP	DNLNV	DLG 517			
NTDB id 1052 ABD1 RS15850 WP 001017033.1	MVEARIVRA	STSF	TKELGV	KWGIL	LSQGIT	TNNNNL	LVGG	SETTLWNLR	REP	K...KDETTG	GKY	YTI...ERP	DNLNV	DLG 530
NTDB id 1039 HON27 RS01460 WP 031993779.1	MVEARIVRA	STSF	TKELGV	KWGIL	LSQGIT	TNNNNL	LVGG	SETTLWNLR	REP	K...KDETTG	GKY	YTI...ERP	DNLNV	DLG 530
consensus	*****	***	***	***	*****	***	*	*****	*	*	***	*****	***	

logo

NTDB id 1257 GC085 RS04855 WP 163621000.1	VPLTGATPASVGI	ALAKLND	NIL	LDLELSAL	ESEGRAELISSPRLIT	TNQQA	AVIESGEEIPYQEATSSGA...	TAVAFK	572
NTDB id 1284 ACE17W RS12370 WP 010946666.1	APLTGATPASVGI	ALAKLND	NIL	LDLELSAL	ESEGRAELISSPRLIT	TNQQA	AVIESGEEIPYQEATSSGA...	TAVAFK	572
NTDB id 1186 GTF74 RS01320 WP 000788426.1	...TSANASSIAFQ	VAKL	SGTLLDLELSAL	QNESKAEI	ISSPRLIT	TNKQPAYIEQ	GTEIPYLESSSSGA...	STVAFK	458
NTDB id 1175 A1552VC RS12105 WP 000788426.1	...TSANASSIAFQ	VAKL	SGTLLDLELSAL	QNESKAEI	ISSPRLIT	TNKQPAYIEQ	GTEIPYLESSSSGA...	STVAFK	458
NTDB id 203869 K05K4 RS14870 WP 005382765.1	...TSPNATSIAFQ	VAKL	SDTLLDLELSAL	QNESKAEI	ISSPRLIT	TNKQPAYIEQ	GTEIPYLESSSSGA...	TTVTFK	468
NTDB id 1408 DSB67 RS13980 WP 010643500.1	...TSPNATSIAFQ	VAKL	SDTLLDLELSAL	QNESKAEI	ISSPRLIT	TNKQPAYIEQ	GTEIPYLESSSSGA...	TSVTFK	467
NTDB id 1193 PAKAF RS26665 WP 003161249.1	...KDA.TSG	GIGIGFI.T.DN	ILDLQLS	AMEK	TGN	GEIVSQPKVVTSDK	ETAKILKGSEVPYQEASSGA...	TS	TSFK 596
NTDB id 1009 ACIAD RS15175 WP 004923730.1	...TTTGASSIAFGLISL	SDFMLDLELSAL	QADGYGEVISTPKVMSAD	KQKAKVATG	VEVPYQSTTNSA	AAGSTATT	SFK	593	
NTDB id 1052 ABD1 RS15850 WP 001017033.1	...SNP.AGSIAFGLISM	SDFMLDLELSAL	QADGYGEVISTPKVMTAD	KQKAKVATG	QVPYQSTTNSA	AAGSTATT	SFK	605	
NTDB id 1039 HON27 RS01460 WP 031993779.1	...SNP.AGSIAFGLISM	SDFMLDLELSAL	QADGYGEVISTPKVMTAD	KQKAKVATG	QVPYQSTTNSA	AAGSTATT	SFK	605	
consensus	***	*****	**	*****	*****	*****	*****	*****	

logo

NTDB id 1257 GC085 RS04855 WP 163621000.1	KAVLSLKVTPQITPDG	KILMDLQ	INQDTPSPQT.FLGVP...AIITKEI	QTNVLVNNGQTIVLGGIYKQDKNKV	INRIPF	648
NTDB id 1284 ACE17W RS12370 WP 010946666.1	KAVLSLKVTPQITPDG	KILMDLQ	INQDTPSPQT.FLGVP...AIITKEI	QTNVLVNNGQTIVLGGIYKQDKNKV	INRIPF	648
NTDB id 1186 GTF74 RS01320 WP 000788426.1	KAVLSLKVTPQITPDNRLVLDLS	VTQDRRG	ETV.KTGTGEAVS	IDTQRIGTQVLVNNGETTVLGGIFQHS	INNSVDKVPL	537
NTDB id 1175 A1552VC RS12105 WP 000788426.1	KAVLSLKVTPQITPDNRLVLDLS	VTQDRRG	ETV.KTGTGEAVS	IDTQRIGTQVLVNNGETTVLGGIFQHS	INNSVDKVPL	537
NTDB id 203869 K05K4 RS14870 WP 005382765.1	KAVLSLKVTPQITPDNRLVLDLS	VTQDRPGQVV	.KTGTGEAVA	IDTQRIGTQVLVNNGETTVLGGIFQHS	ITNSVDKVPL	547
NTDB id 1408 DSB67 RS13980 WP 010643500.1	KAVLSLKVTPQITPDNRLVLDLS	VTQDRPGQVV	.KTGTGEAVA	IDTQRIGTQVLVNNGETTVLGGIFQHS	ITNSVDKVPL	546
NTDB id 1193 PAKAF RS26665 WP 003161249.1	EALSLLEVTPQITPDNRIIEVEVK	VTKDAPDYQNMLNGVP...PINKNEVNAK	ILVNDGETIVIGGVFSNEQSKSV	EKVPF		673
NTDB id 1009 ACIAD RS15175 WP 004923730.1	EALLSLEVTPNITPDGKILMELN	IANDSINS.YAQN	GEA...ILNKNT	INTNVLVNNGETTVLGGVFEQIT	NNAVTKVPF	669
NTDB id 1052 ABD1 RS15850 WP 001017033.1	DALLSLNVTPSITPDGKIQMKLD	ISKDSVAG.AAPNGEL...ILNKNN	INTNVLVNNGETTVILGGVFEQIT	MNSQTKVPF		681
NTDB id 1039 HON27 RS01460 WP 031993779.1	DALLSLNVTPSITPDGKIQMKLD	ISKDSVAG.AAPNGEL...ILNKNN	INTNVLVNNGETTVILGGVFEQIT	MNSQTKVPF		681
consensus	*!!!!!!!!!!!!!!!!	*****	*****	! *	* ** *****!*****!*** **	

logo



non conserved
 similar
 ≥ 50% conserved