

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1	MRKIIAILII..ISASISLMAYSKDNSIISVKVLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDLFISTDMQIPSDQ	78
NTDB id 1257 GC085 RS04855 WP 163621000.1	MRKIIAILIL..ISASISLAYSKDNSIISVKVLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDLFISTDMQIPSDQ	78
NTDB id 23846 VIBHAR RS00135 WP 041853271.1	.....	0
NTDB id 1408 DSB67 RS13980 WP 010643500.1	.....	0
NTDB id 1186 GTF74 RS01320 WP 000788426.1	.....	0
NTDB id 1175 A1552VC RS12105 WP 000788426.1	.....	0
NTDB id 1193 PA5040 NP 253727.1	MNSGLSRLGIALLAA.MFAPALLAADLEKLDVAALPGDRVELKQLQFDEPVA.APRGYTIEQPARTIALDLPGVQNKLG..T	76
NTDB id 1009 ACIAD RS15175 WP 004923730.1	MKQIIRQFSIGTVAYAIMQVSAQVAITNVVPMNIPGQGTEIRVMFNGLPP.QPQAYQLEQPARLLIDFDKAGQKLA..K	77
NTDB id 1052 ABD1 RS15850 WP 001017033.1	MNHVFRQFSMGAVAIAIMQAASQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLLIDFDKAQQGLK..Q	77
NTDB id 1039 HON27 RS01460 WP 031993779.1	MNHVFRQFSMGAVAIAIMQAASQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLLIDFDKAQQGLK..Q	77
consensus	* * * * *	

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1	KTCTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSIYSLVLNGKSNDFENSKEVF.....ITNQV	145
NTDB id 1257 GC085 RS04855 WP 163621000.1	KTCTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSVYSLVLNGKSNDFENSKEVF.....ITNQV	145
NTDB id 23846 VIBHAR RS00135 WP 041853271.1	MKMRHGLTLTPRKLGFLSLWFF...LLLA...PF.....VA.AE	33
NTDB id 1408 DSB67 RS13980 WP 010643500.1	MKMRHGLTLTPRKLTGLFSLWFS...LLLA...PF.....VA.AE	33
NTDB id 1186 GTF74 RS01320 WP 000788426.1	MKNGLKTY..VAQTWLTLWVG...LALCASS.MV.....FS.AE	32
NTDB id 1175 A1552VC RS12105 WP 000788426.1	MKNGLKTY..VAQTWLTLWVG...LALCASS.MV.....FS.AE	32
NTDB id 1193 PA5040 NP 253727.1	KNRELISVGNTRSVTVVEAKDRTRLINLTALSSYTTTVEGNNLFVVVGNSPAGASVASAAPVKASPAPASYAQPIKPKPY	156
NTDB id 1009 ACIAD RS15175 WP 004923730.1	SLIPVTTNEASSIDVSSDDKRARVVVNLKDGAGFTTRVEGNVFILKINNIQSTAT....PV.....A..TSA.....	138
NTDB id 1052 ABD1 RS15850 WP 001017033.1	SKISVATNEASSVDVTSDDQRSRLTVNLKDGAGFTTRVEGNTFILKINSQAQTSNK....PL.....P..VVS.....	138
NTDB id 1039 HON27 RS01460 WP 031993779.1	SKISVATNEASSVDVTSDDQRSRLTVNLKDTGAGFTTRVEGNTFILKINSQAQTSNK....PL.....P..VVS.....	138
consensus	* * * * *	

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1	VNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 1257 GC085 RS04855 WP 163621000.1	VNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 23846 VIBHAR RS00135 WP 041853271.1	EVQSNLSKSIDFRTNKDKDAVIVVELASPAAIIVDIKRVQEGLSIDLNTSVKDDQLYLVDVQDFSTVSVESVEVFRDTSTT	113
NTDB id 1408 DSB67 RS13980 WP 010643500.1	EVQSNLSKSIDFRTNKDKDAVIVVELVSPAIIIVDIKRVQEGLSIDLNTSVKDDQLYLVDVQDFSTVSVESVEVFRDTSTT	113
NTDB id 1186 GTF74 RS01320 WP 000788426.1	SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPST	112
NTDB id 1175 A1552VC RS12105 WP 000788426.1	SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPST	112
NTDB id 1193 PA5040 NP 253727.1	VPAGRAIRNIDFQRGEKEGNNVVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASQAQSDRT	236
NTDB id 1009 ACIAD RS15175 WP 004923730.1	PAPQGGIGNIGFQRGAQGEGLVVIDLQGTNTPVDVQQGSGKVVIRFPGIKIPHTLARRLNTTDFATPVASIDSYNDGSNG	218
NTDB id 1052 ABD1 RS15850 WP 001017033.1	.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQGSGKVVIRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG	217
NTDB id 1039 HON27 RS01460 WP 031993779.1	.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQGSGKVVIRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG	217
consensus	* * * * *	

logo

```

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 23846 VIBHAR RS00135 WP 041853271.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 1193 PA5040 NP 253727.1
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 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 23846 VIBHAR RS00135 WP 041853271.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 1193 PA5040 NP 253727.1
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

```

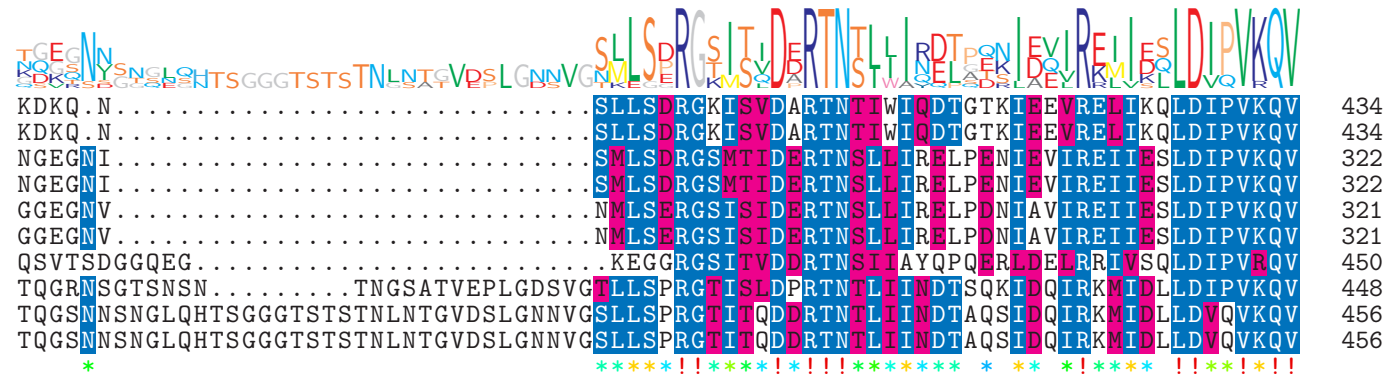


logo

```

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 23846 VIBHAR RS00135 WP 041853271.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 1193 PA5040 NP 253727.1
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

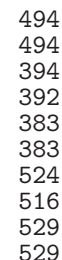
```



```

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 23846 VIBHAR RS00135 WP 041853271.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 1193 PA5040 NP 253727.1
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

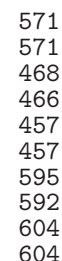
```



```

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 23846 VIBHAR RS00135 WP 041853271.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 1193 PA5040 NP 253727.1
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

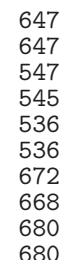
```



```

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 23846 VIBHAR RS00135 WP 041853271.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 1193 PA5040 NP 253727.1
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	1284	ACE17W	RS12370	WP	010946666.1	FFGELPVGILFSNRQITL	KNE	ELLIFITPRIITNA	SITTIEGREKD	VYK	698
NTDB	id	1257	GC085	RS04855	WP	163621000.1	FFGELPVGILFSNRQITL	KNE	ELLIFITPRIITNA	SITTIEGREKD	VYK	698
NTDB	id	23846	VIBHAR	RS00135	WP	041853271.1	LLGDLPLLGALFRRSYEN	VGKSELLIFVTPK	VVIQ	.....		582
NTDB	id	1408	DSB67	RS13980	WP	010643500.1	LLGDLPLLGALFRRSYEN	VGKSELLIFVTPK	VVIQ	.....		580
NTDB	id	1186	GTF74	RS01320	WP	000788426.1	LLGDLPVLGALFRRTYE	QMGKSELLIFVTPK	VVIQ	.....		571
NTDB	id	1175	A1552VC	RS12105	WP	000788426.1	LLGDLPVLGALFRRTYE	QMGKSELLIFVTPK	VVIQ	.....		571
NTDB	id	1193	PA5040	NP	253727.1		FLGELPYLGRLFRRD	TVTDKNE	ELLVFLTPRI	MNNQAIAIGR	.....	714
NTDB	id	1009	ACIAD	RS15175	WP	004923730.1	FLGDLPLYVGRLF	KKTAKSEAKNE	ELLIFVTPRI	VNDTIVGNH	.....	709
NTDB	id	1052	ABD1	RS15850	WP	001017033.1	FFGDIPVVGRLFR	KDVKSDDKQ	ELLIFVTPRI	VNDTIVGNH	.....	721
NTDB	id	1039	HON27	RS01460	WP	031993779.1	FFGDIIPVVGRLFR	KDVKSDDKQ	ELLIFVTPRI	VNDTIVGNH	.....	721
consensus							**!***!!	!!**	***	!!*!*	***	*

-  non conserved
-  similar
-  $\geq 50\%$ conserved