

logo

NTDB id 1381 A4U84 RS02010 WP 021113424.1	MNSGLSRLGIALLAAMFAPALLAADLEKLDVAALPGDRVELKLQFDEPVAAAPRGYTI EQPARIALDLPGVQNKLGTKNRE	0
NTDB id 1347 HI 0435 AAC22094.1	.....	0
NTDB id 1373 NTHI RS02645 WP 011272046.1	.....	0
NTDB id 1433 BW25113 RS17570 WP 000815987.1	.....	0
NTDB id 1193 PAKAF RS26665 WP 003161249.1	MNSGLSRLGIALLAAMFAPALLAADLEKLDVAALPGDRVELKLQFDEPVAAAPRGYTIEQPARIALDLPGVQNKLGTKNRE	80
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
consensus		

logo

NTDB id 1381 A4U84 RS02010 WP 021113424.1	LSVGNTRSVTVWEAKDRTRLIINLTTLSSYTTRVEGNNLFVVVGNSPAGASVASTAPVKASPAPASYAQPIKPKPYVPAG	0
NTDB id 1347 HI 0435 AAC22094.1	.....	0
NTDB id 1373 NTHI RS02645 WP 011272046.1	.....	0
NTDB id 1433 BW25113 RS17570 WP 000815987.1	.....	0
NTDB id 1193 PAKAF RS26665 WP 003161249.1	LSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNNLFVVVGNSPAGASVASTAPVKASPAPASYAQPIKPKPYVPAG	160
NTDB id 1186 GTF74 RS01320 WP 000788426.1	MKNGLKT..YVAQTW.....LTLWVGLALCA.....SS....MVFSAESATA	36
NTDB id 1175 A1552VC RS12105 WP 000788426.1	MKNGLKT..YVAQTW.....LTLWVGLALCA.....SS....MVFSAESATA	36
NTDB id 1408 DSB67 RS13980 WP 010643500.1	MKMRHGLTLTPRKLTGL.....FSLWFSLLLAP.....FVAEEVQS	37
consensus		

logo

NTDB id 1381 A4U84 RS02010 WP 021113424.1	NQLENIDFRVNKEKAAYLVVELASPSAVVDYQVQEGLSIELLKTVDYDDLYLLDVKDFSTPVESVEVFRKEPSTQLVV	0
NTDB id 1347 HI 0435 AAC22094.1	.....	0
NTDB id 1373 NTHI RS02645 WP 011272046.1	.....	0
NTDB id 1433 BW25113 RS17570 WP 000815987.1	.....	0
NTDB id 1193 PAKAF RS26665 WP 003161249.1	RAIRNIDFQRGEKGEGNVVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRTSITI	240
NTDB id 1186 GTF74 RS01320 WP 000788426.1	NQLENIDFRVNKEKAAYLVVELASPSAVVDYQVQEGLSIELLKTVDYDDLYLLDVKDFSTPVESVEVFRKEPSTQLVV	116
NTDB id 1175 A1552VC RS12105 WP 000788426.1	NQLENIDFRVNKEKAAYLVVELASPSAVVDYQVQEGLSIELLKTVDYDDLYLLDVKDFSTPVESVEVFRKEPSTQLVV	116
NTDB id 1408 DSB67 RS13980 WP 010643500.1	NSLKSIDFRTNKDKDAVIVVELVSPAAIVDIKRVQEGLSIDLLNTSVKDDQLYLLDVKDFSTVVESVEVFRDTSTTRLVA	117
consensus		

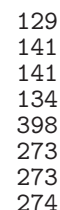
logo

NTDB id 1381 A4U84 RS02010 WP 021113424.1	TVDGEYCHDYTLKGRYLVYELSPK ADEKPKKSYVPKKEGKLSINFDIPVRQVLQLADYNFNLVYSDVGNLT	55
NTDB id 1347 HI 0435 AAC22094.1	MRYLFLFFAT.....FPVLANQQISLSIRNAPTAETISYLAEEETGKNITISDEIKDTKN	67
NTDB id 1373 NTHI RS02645 WP 011272046.1	MKKYFLKCGYFLVCFCLPLI.....VFANPKTDNERFFIRLSQAPLAQTLEQLAFQQDVNLVIGDILENKIS	67
NTDB id 1433 BW25113 RS17570 WP 000815987.1	MKKYFLKCGYFLVCFCLPLI.....VFANPKTDNECFIRLSQAPLAQTLEQLAFQQDVNLVIGDILENKIS	59
NTDB id 1193 PAKAF RS26665 WP 003161249.1	MKQWIAALLLML.....IPGVQAAPKQKVTLMVDVDPVAQVLQALAEQEKLNLVSPDVSQTVS	319
NTDB id 1186 GTF74 RS01320 WP 000788426.1	EPGSLYDYLVTQDNRLTVSITK.PMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQGNIT	194
NTDB id 1175 A1552VC RS12105 WP 000788426.1	TVDGEFQHDYTLKGRYELVVIS.KLK.ADEKPKPKSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNLVSDSVVGNLT	194
NTDB id 1408 DSB67 RS13980 WP 010643500.1	TVDGEFQHDYTLKGRYELVVIS.KLK.ADEKPKPKSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNLVSDSVVGNLT	195
consensus	YIDEDYSHDYRLTGRYLEVVKVG.KLK.ANEKAPDKSILDKEGKLISINFQDIPVRNVLQLIADYNGFNLVSDSVVGNLT	

```

NTDB id 1381 A4U84 RS02010 WP 021113424.1
NTDB id 1347 HI 0435 AAC22094.1
NTDB id 1373 NTHI RS02645 WP 011272046.1
NTDB id 1433 BW25113 RS17570 WP 000815987.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
consensus

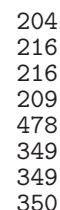
```



```

NTDB id 1381 A4U84 RS02010 WP 021113424.1
NTDB id 1347 HI 0435 AAC22094.1
NTDB id 1373 NTHI RS02645 WP 011272046.1
NTDB id 1433 BW25113 RS17570 WP 000815987.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
consensus

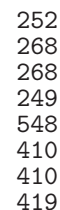
```



```

NTDB id 1381 A4U84 RS02010 WP 021113424.1
NTDB id 1347 HI 0435 AAC22094.1
NTDB id 1373 NTHI RS02645 WP 011272046.1
NTDB id 1433 BW25113 RS17570 WP 000815987.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
consensus

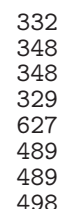
```



```

NTDB id 1381 A4U84 RS02010 WP 021113424.1
NTDB id 1347 HI 0435 AAC22094.1
NTDB id 1373 NTHI RS02645 WP 011272046.1
NTDB id 1433 BW25113 RS17570 WP 000815987.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
consensus

```



logo

NTDB id 1381	A4U84	RS02010	WP 021113424.1	QIN...NTMVTIDKQEIKTQVLAKHGETIVLGGIFQHLIAKGEDKVPLLGSIPVIKRLFSQSQDKISKRELVIFVTPYIV	409
NTDB id 1347	HI 0435	AAC22094.1		RVAYGQNEVVSIDKQEINTQVFAKDGETIVLGGVFHDITITKSEDKVPLLGDIPVIKRLFSKESERHQKRELVIFVTPHIL	428
NTDB id 1373	NTHI	RS02645	WP 011272046.1	RVAYGQNEVVSIDKQEINTQVFAKDGETIVLGGVFHDITITKSEDKVPLLGDIPVIKRLFSKESERHQKRELVIFVTPHIL	428
NTDB id 1433	BW25113	RS17570	WP 000815987.1	VLQQADGEVLAIDKQEIETQVEVKSGETLALGGIFTRKNKSGQDSVPLLGDIPWFGQLFRHDGKEDERRRELVVFITPRLV	409
NTDB id 1193	PAKAF	RS26665	WP 003161249.1	QNM..LNGVPPINKNEVNAKILVNDGETIVIGGVFSNEQSKSVEKVPFLGELPYLGRLFRRTDVTDRKNELLVFLTPRIM	705
NTDB id 1186	GTF74	RS01320	WP 000788426.1	TVKTTGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSINNSVDKVPLLGDLPVLGALFRRTYEQMGKSELLIFVTPKV	569
NTDB id 1175	A1552VC	RS12105	WP 000788426.1	TVKTTGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSINNSVDKVPLLGDLPVLGALFRRTYEQMGKSELLIFVTPKV	569
NTDB id 1408	DSB67	RS13980	WP 010643500.1	VVKTGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSITNSVDKVPLLGDLPVLLGALFRRSYENVGKSELLIFVTPKV	578
consensus				* * ****!***** ***** !!!*****!! ** * ****!!*****!!** * * ****!!*****!!**	

logo

NTDB id 1381	A4U84	RS02010	WP 021113424.1	KSEKIG.AEKQK.....	420
NTDB id 1347	HI 0435	AAC22094.1		KAGETLEALKQKSEGKK	445
NTDB id 1373	NTHI	RS02645	WP 011272046.1	KAGETLEALKQKSAGKK	445
NTDB id 1433	BW25113	RS17570	WP 000815987.1	SSE.....	412
NTDB id 1193	PAKAF	RS26665	WP 003161249.1	NNQAIAIGR.....	714
NTDB id 1186	GTF74	RS01320	WP 000788426.1	IQ.....	571
NTDB id 1175	A1552VC	RS12105	WP 000788426.1	IQ.....	571
NTDB id 1408	DSB67	RS13980	WP 010643500.1	IQ.....	580
consensus					

- non conserved
- similar
- ≥ 50% conserved