

logo

NTDB id 95154 CFSAN001588 RS01610 WP 023233956.1	MNSGLSRLGIALLAAMFAPALLAADLEKLDVAALPGDRVELKLQFDEPVAAAPRGYTI EQPARIALDLPGVQNKLGTKNRE	0
NTDB id 1433 BW25113 RS17570 WP 000815987.1	.....	0
NTDB id 1347 HI 0435 AAC22094.1	.....	0
NTDB id 1373 NTHI RS02645 WP 011272046.1	.....	0
NTDB id 1193 PA5040 NP 253727.1	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 95154 CFSAN001588 RS01610 WP 023233956.1	LSVGNTRSVTVWEAKDKIRITINLRKASCLTTRVECPNFFSVYENAAAGASVASAAPVKASPAPAYAQPIIPKPYEPAS	0
NTDB id 1433 BW25113 RS17570 WP 000815987.1	.....	0
NTDB id 1347 HI 0435 AAC22094.1	.....	0
NTDB id 1373 NTHI RS02645 WP 011272046.1	.....	0
NTDB id 1193 PA5040 NP 253727.1	LSVGNTRSVTVVEAKDRTRLIINLTALSSYTTRVEGNNLFVVVGNSPAGASVASAAPVKASPAPASYAQPIKPKPYVPAG	160
NTDB id 1186 GTF74 RS01320 WP 000788426.1	MKNGLKT..YVAQTW.....LTLWVGLALCAS.....S....MVFSAESATA	36
NTDB id 1175 A1552VC RS12105 WP 000788426.1	MKNGLKT..YVAQTW.....LTLWVGLALCAS.....S....MVFSAESATA	36
NTDB id 1408 DSB67 RS13980 WP 010643500.1	MKMRHGLTLTPRKLTGL.....FSLWFSLLLAP.....FVAEEVQS	37
consensus		

logo

NTDB id 95154 CFSAN001588 RS01610 WP 023233956.1	NQLENIDFRVNKEKA AVLIVELASPSAVVDYQVQEGLSIELLKTVDVDDLYLLDVKDFSTPVESVEVFRKEPSTQLVY	0
NTDB id 1433 BW25113 RS17570 WP 000815987.1	.....	0
NTDB id 1347 HI 0435 AAC22094.1	.....	0
NTDB id 1373 NTHI RS02645 WP 011272046.1	.....	0
NTDB id 1193 PA5040 NP 253727.1	RAIRNIDFQRGEKGEGNVVIDLSDPTLSPDIEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASDAQSDRTSITI	240
NTDB id 1186 GTF74 RS01320 WP 000788426.1	NQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTVDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLVV	116
NTDB id 1175 A1552VC RS12105 WP 000788426.1	NQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTVDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLVV	116
NTDB id 1408 DSB67 RS13980 WP 010643500.1	NSLKSIDFRTNKDKDAVIVVELVSPA AIVDIKRVQEGLSIDLLNTSVKDDQLYLLDVKDFSTVVESVEVFRDTS TTLVA	117
consensus		

logo

NTDB id 95154 CFSAN001588 RS01610 WP 023233956.1	TVDGEYQHDYTLKGRYLEVYLSPLK ADEKPKKSVLAKECKLISINFDIPVRQVQLLAADQNDLWSDVSGNLT	59
NTDB id 1433 BW25113 RS17570 WP 000815987.1	MKRWIAIILIVLMP.A.....AQAGKAAKVTLVVDVVPVQVLQALAEQERQNLVVS PDVSGTLS	59
NTDB id 1347 HI 0435 AAC22094.1	MKQWIAALLIMLIP.G.....VQAAPQKVTLMVDDVPVACVLQALAEQEKLNLVSPDVS GTVS	67
NTDB id 1373 NTHI RS02645 WP 011272046.1	MKKYFLKCGYFLVCFCLPLIVFA.N.....PKTDNERFFIIRLSQAPLAQTLEQLAFQQDVNLVIGDILENKIS	67
NTDB id 1193 PA5040 NP 253727.1	MKKYFLKCGYFLVCFCLPLIVFA.N.....PKTDNECFFIIRLSQAPLAQTLEQLAFQQDVNLV MGERLEGNIS	319
NTDB id 1186 GTF74 RS01320 WP 000788426.1	EPSGLYDYL VYQTDNRLTVS.IKPMTTEDAERRKKDNFAYTCEKLSLINFQDIDVRSVLQLIADFTDLNLV ASDTVQG NIT	194
NTDB id 1175 A1552VC RS12105 WP 000788426.1	TVDGEFQHDYTLK GKYLEVV.ISK LK.ADEKPKPKSVLEKEGKLISINFDIPVRNVLQLIADYNGFNLVVSDSVVGNLT	194
NTDB id 1408 DSB67 RS13980 WP 010643500.1	TVDGEFQHDYTLK GKYLEVV.ISK LK.ADEKPKPKSVLEKEGKLISINFDIPVRNVLQLIADYNGFNLVVSDSVVGNLT	195
consensus	YIDEDYSHDYRLTG RYLEVK.VGK LK.ANEKAPDKSILDKEGKLISINFDIPVRNVLQLIADYNGFNLVVSDSVVGNLT	

```

NTDB id 95154 CFSAN001588 RS01610 WP 023233956.1
NTDB id 1433 BW25113 RS17570 WP 000815987.1
NTDB id 1347 HI 0435 AAC22094.1
NTDB id 1373 NTHI RS02645 WP 011272046.1
NTDB id 1193 PA5040 NP 253727.1
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

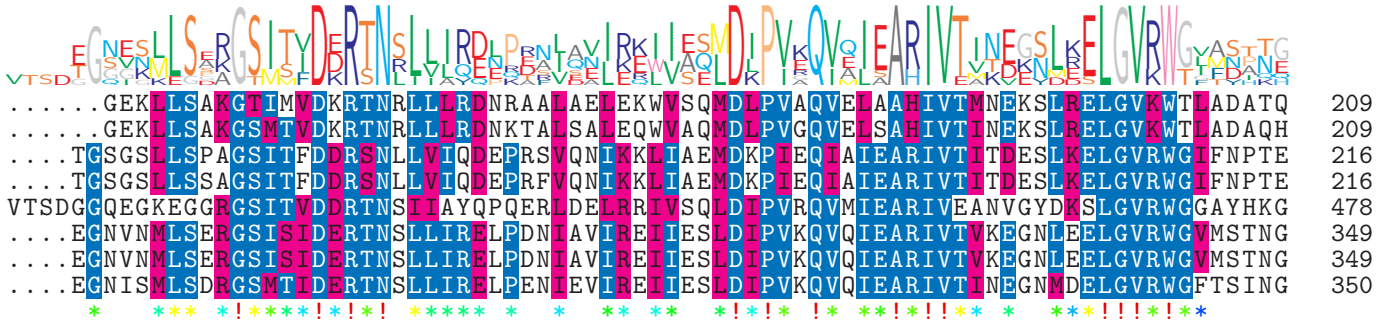
```



```

NTDB id 95154 CFSAN001588 RS01610 WP 023233956.1
NTDB id 1433 BW25113 RS17570 WP 000815987.1
NTDB id 1347 HI 0435 AAC22094.1
NTDB id 1373 NTHI RS02645 WP 011272046.1
NTDB id 1193 PA5040 NP 253727.1
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

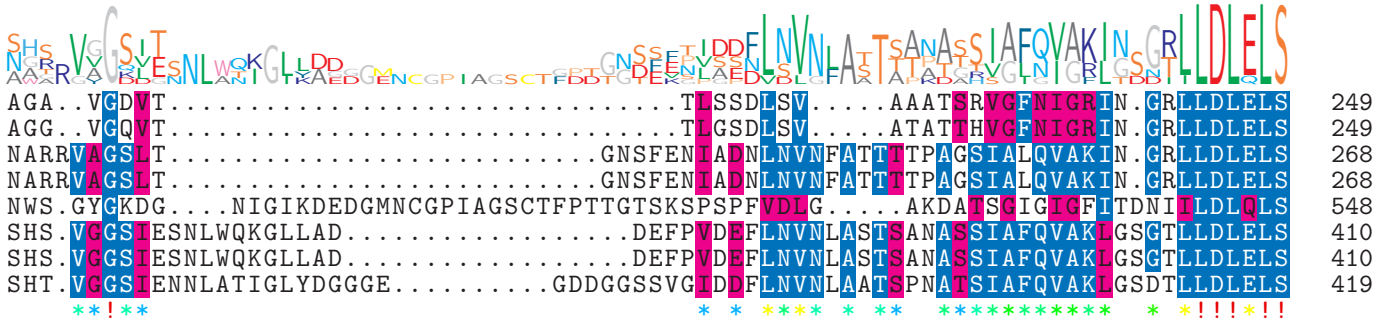
```



```

NTDB id 95154 CFSAN001588 RS01610 WP 023233956.1
NTDB id 1433 BW25113 RS17570 WP 000815987.1
NTDB id 1347 HI 0435 AAC22094.1
NTDB id 1373 NTHI RS02645 WP 011272046.1
NTDB id 1193 PA5040 NP 253727.1
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

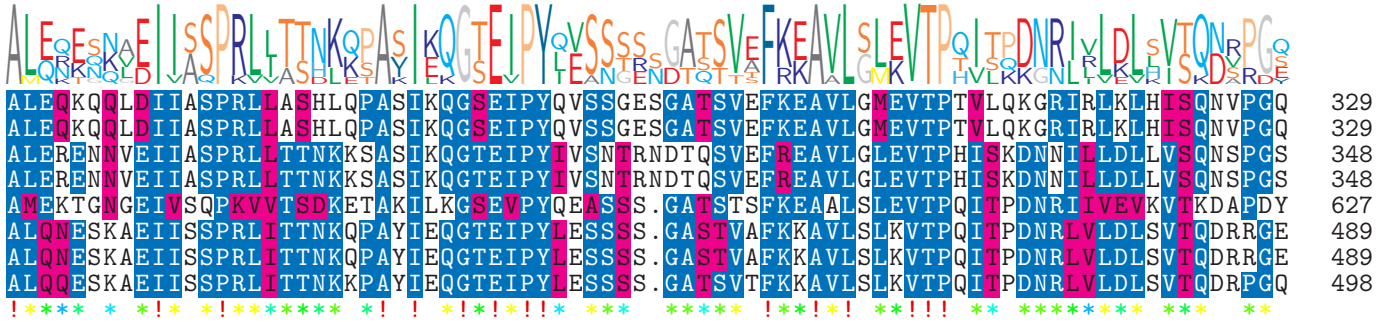
```



```

NTDB id 95154 CFSAN001588 RS01610 WP 023233956.1
NTDB id 1433 BW25113 RS17570 WP 000815987.1
NTDB id 1347 HI 0435 AAC22094.1
NTDB id 1373 NTHI RS02645 WP 011272046.1
NTDB id 1193 PA5040 NP 253727.1
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

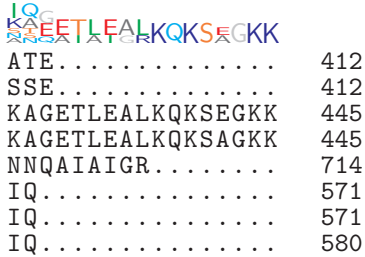
NTDB id 95154 CFSAN001588 RS01610 WP 023233956.1
NTDB id 1433 BW25113 RS17570 WP 000815987.1
NTDB id 1347 HI 0435 AAC22094.1
NTDB id 1373 NTHI RS02645 WP 011272046.1
NTDB id 1193 PA5040 NP 253727.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
consensus



409
409
428
428
705
569
569
578

logo

NTDB id 95154 CFSAN001588 RS01610 WP 023233956.1
NTDB id 1433 BW25113 RS17570 WP 000815987.1
NTDB id 1347 HI 0435 AAC22094.1
NTDB id 1373 NTHI RS02645 WP 011272046.1
NTDB id 1193 PA5040 NP 253727.1
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



ⓧ non conserved
ⓧ similar
ⓧ ≥ 50% conserved