

Accession	Sequence	Length
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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	MNSGLSRLGLIALLAAMFAPALLAADLEKLDVAALPGDRVELKLQFDEPVAAPRGYTI EQPARIALDLPGVQNKLGTKNRE	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		

NTDB id	Accession	Protein	Sequence	Score
NTDB id 36467	CFSAN001992	RS16330 WP 015406255.1		0
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NTDB id 1193	PA5040	NP 253727.1	LSVGNTRSVTVVVEAKDRTRLIINLTALSSYTTTRVEGNNLFVVVGNSPAGASVASAAPVVKASPAPASYAQPIKPKPYVPAG	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				

NTDB id	Accession	Length	Consensus
NTDB id 36467	CFSAN001992 RS16330 WP 015406255.1	240	RAIRNIDFQRGEKGEKNVVIDLSDP T LSPDIQE QGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNAS AQSDRTSITI
NTDB id 1433	BW25113 RS17570 WP 000815987.1	116	NQLENIDFRVNKEKAAVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLVV
NTDB id 1347	HI 0435 AAC22094.1	116	NQLENIDFRVNKEKAAVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLVV
NTDB id 1373	NTHI RS02645 WP 011272046.1	117	NSLKSIDFR TNKDKDAVIVVELVSPAAIVDIKRVQEGLSIDLLNTSVKDDQLYLLDVKDFSTV VESVEVFRD TSTTRLVA
NTDB id 1193	PA5040 NP 253727.1	116	NQLENIDFRVNKEKAAVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLVV
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NTDB id 1175	A1552VC RS12105 WP 000788426.1	116	NQLENIDFRVNKEKAAVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLVV
NTDB id 1408	DSB67 RS13980 WP 010643500.1	117	NSLKSIDFR TNKDKDAVIVVELVSPAAIVDIKRVQEGLSIDLLNTSVKDDQLYLLDVKDFSTV VESVEVFRD TSTTRLVA
consensus			

NTDB id	Accession	Length	Sequence	Score
NTDB id 36467	CFSAN001992 RS16330 WP 015406255.1	59	MKRWIAIILIVLMP.A.....AQAGKAAKVTLVVDVVPVQVLQTLAEQDRQLNVVSPDVSCTLS	59
NTDB id 1433	BW25113 RS17570 WP 000815987.1	59	MKQVIAALLMLIP.G.....VQAAKPKQVTLVMDVVPVQVLQALAEQEKLNVLVSPDVSCTLS	59
NTDB id 1347	HI 0435 AAC22094.1	67	MKKYFLKCGYFLVCFCLPLIVFA.N.....PKTDNERFFIIRLSQAPLAQTLQQLAFQQDVNLVIGDIENKIS	67
NTDB id 1373	NTHI RS02645 WP 011272046.1	67	MKKYFLKCGYFLVCFCLPLIVFA.N.....PKTDNECFIIRLSQAPLAQTLQQLAFQQDVNLVIGERLEGNIS	67
NTDB id 1193	PA5040 NP 253727.1	319	EPSTGLDYDLVYQTDNRLTVS.IKPMTTTDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQQLADFTDLNLVASDVTQGNIT	319
NTDB id 1186	GTF74 RS01320 WP 000788426.1	194	TVDGEFQHDYTLKGKYLEVV.ISKLL.ADEKPKPKSVLEKEGKLISINFQDIPVRNVLQQLADYNGFNLVVSDSVVGNLT	194
NTDB id 1175	A1552VC RS12105 WP 000788426.1	194	TVDGEFQHDYTLKGKYLEVV.ISKLL.ADEKPKPKSVLEKEGKLISINFQDIPVRNVLQQLADYNGFNLVVSDSVVGNLT	194
NTDB id 1408	DSB67 RS13980 WP 010643500.1	195	YIDEDYSHDYRLITGRYLEVK.VGKLL.ANEKAPDKSILDKEGKLISINFQDIPVRNVLQQLADYNGFNLVVSDSVVGNLT	195
consensus			*****	

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NTDB id 1408 DSB67 RS13980 WP 010643500.1

consensus

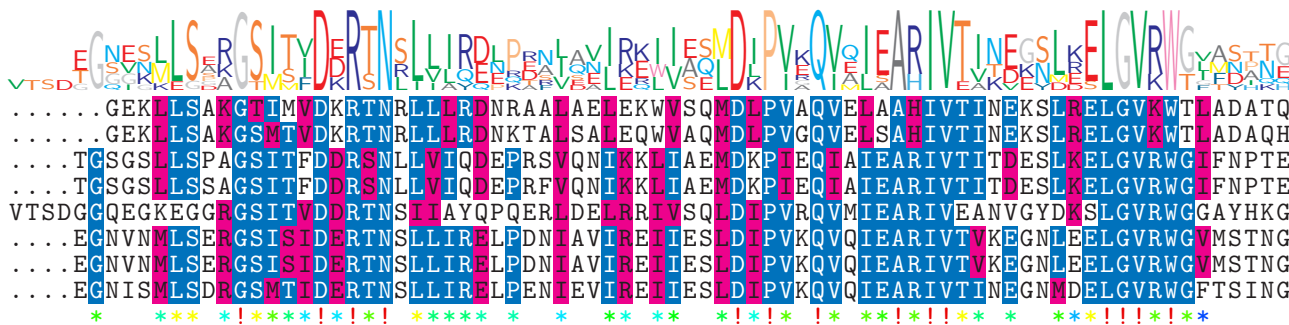


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consensus



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consensus



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consensus



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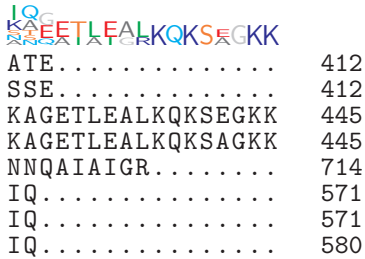
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consensus



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NTDB id 36467 CFSAN001992 RS16330 WP 015406255.1
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NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
consensus



non conserved
 similar
 ≥ 50% conserved