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NTDB id 1381 A4U84 RS02010 WP 021113424.1	MNSGLSRLGIALLAAMFAPALLAADLEKLDVAALPGDRVELKLQFDEPVAAPRGYTIEQPARIALDLPGVQNKLGTKNRE	0
NTDB id 1347 HI 0435 AAC22094.1		0
NTDB id 1373 NTHI RS02645 WP 011272046.1		0
NTDB id 77936 DP22 RS09295 WP 000832808.1		0
NTDB id 1433 BW25113 RS17570 WP 000815987.1		0
NTDB id 1193 PA5040 NP 253727.1	MNSGLSRLGIALLAAMFAPALLAADLEKLDVAALPGDRVELKLQFDEPVAAPRGYTIEQPARIALDLPGVQNKLGTKNRE	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	LSVGNTRSVTVVEAKDRTRLIINLTALSSYTTTRVEGNNLFVVVGNSPAGASVASAAPVKASPAPASYAQPIKPKPYVPAG	0
NTDB id 1347 HI 0435 AAC22094.1		0
NTDB id 1373 NTHI RS02645 WP 011272046.1		0
NTDB id 77936 DP22 RS09295 WP 000832808.1		0
NTDB id 1433 BW25113 RS17570 WP 000815987.1		0
NTDB id 1193 PA5040 NP 253727.1	LSVGNTRSVTVVEAKDRTRLIINLTALSSYTTTRVEGNNLFVVVGNSPAGASVASAAPVKASPAPASYAQPIKPKPYVPAG	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 1381 A4U84 RS02010 WP 021113424.1	NQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLVV	0
NTDB id 1347 HI 0435 AAC22094.1		0
NTDB id 1373 NTHI RS02645 WP 011272046.1		0
NTDB id 77936 DP22 RS09295 WP 000832808.1		0
NTDB id 1433 BW25113 RS17570 WP 000815987.1		0
NTDB id 1193 PA5040 NP 253727.1	RAIRNIDFQRGEKGEGNVVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRTSITI	240
NTDB id 1186 GTF74 RS01320 WP 000788426.1	NQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLVV	116
NTDB id 1175 A1552VC RS12105 WP 000788426.1	NQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLVV	116
NTDB id 1408 DSB67 RS13980 WP 010643500.1	NSLKSIDFRTNKDKDAVIVVELVSPAAIVDIKRVQEGLSIDLLNTSVKDDQLYLLDVKDFSTVVESVEVFRDTSITRLVA	117
consensus		

logo

NTDB id 1381 A4U84 RS02010 WP 021113424.1	MRYLFLFFAT.....FPVLANQQISLSTRNAPTAEITISYLAETGKNITISDEIKDTKN	55
NTDB id 1347 HI 0435 AAC22094.1	MKKYFLKCGYFLVCFCLPLI.V.....FANPKTDNERFFIRLSQAPLAQTLEQLAFQQDVNLVIGDILENKIS	67
NTDB id 1373 NTHI RS02645 WP 011272046.1	MKKYFLKCGYFLVCFCLPLI.V.....FANPKTDNECFIRLSQAPLAQTLEQLAFQQDVNLVIGERLEGNIS	67
NTDB id 77936 DP22 RS09295 WP 000832808.1	MKRWIAIIL.I.ALM.....PAAQAGKAAKVTLVVDVVPVQVLQTLAEQERQNLVSPDVSGTLS	59
NTDB id 1433 BW25113 RS17570 WP 000815987.1	MKQWIAAIL.MLI.....PGVQAAPKQVTLMVDDVPVQVLQALAEQEKLNLVSPDVSGTIVS	59
NTDB id 1193 PA5040 NP 253727.1	EPGSLYDYL VYQTDNR LTVSIK.PMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASD TVQGNIT	319
NTDB id 1186 GTF74 RS01320 WP 000788426.1	TVDGEFQHDYTLKGYLEVVIS.KLK.ADEKPKPKSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVGNLT	194
NTDB id 1175 A1552VC RS12105 WP 000788426.1	TVDGEFQHDYTLKGYLEVVIS.KLK.ADEKPKPKSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVGNLT	194
NTDB id 1408 DSB67 RS13980 WP 010643500.1	YIDEDYSHDYRLTG RYLEVKVG.KLK.ANEKAPDKSILDKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVEGNLT	195
consensus		

logo

NTDB id 1381 A4U84 RS02010 WP 021113424.1	FRVEKSHFDEILNSLIKTHQLNLKKENGITYYTHQAQEHKQH.....TTAQLVNALPKLIITKTIKLHYSKASEVIESIT.	128
NTDB id 1347 HI 0435 AAC22094.1	LKLNNDIMPRLLQITIAKSKHLTLNKKDDGIYYLNGSQSGKGQ.....VAGNLTTNEPHLVSHTVKLHFAKASELMKSLT.	140
NTDB id 1373 NTHI RS02645 WP 011272046.1	LKLNNDIMPRLLKIIAKSKHLTLNKKDDGVYYLNGSQSGKGQ.....VAGNLTTNEPHLVSHTVKLHFAKASELMKSLT.	140
NTDB id 77936 DP22 RS09295 WP 000832808.1	LHLTDVPWKQALQTVVNSAGLVLRQEGNIIHVSHSQAWQKEHSARQDAERLRLQA.NLPLENRSISLQYADAAELAKA...	135
NTDB id 1433 BW25113 RS17570 WP 000815987.1	LHLTDVPWKQALQTVVKSAGLITRQEGNIIHSVSIWQNNNIARQEAQARAQA.NLPLENRSITLQYADAGELAKA...	135
NTDB id 1193 PA5040 NP 253727.1	LRLQNVPPWDQALDLVLKTKGLDKRKLGNVLLVAPADFIA.ARERQELEAQKQIAELAPLRRELIQVNYAKAADIAKLFQS	398
NTDB id 1186 GTF74 RS01320 WP 000788426.1	LRLDGVPWQQVLDIILQVKGLDKRVDGNVILVAPKEELD.LREKQALEKARLAEELGDLKSEI IKINFAKASDIAAMIGG	273
NTDB id 1175 A1552VC RS12105 WP 000788426.1	LRLDGVPWQQVLDIILQVKGLDKRVDGNVILVAPKEELD.LREKQALEKARLAEELGDLKSEI IKINFAKASDIAAMIGG	273
NTDB id 1408 DSB67 RS13980 WP 010643500.1	LRLDGVPWQQVLDIILQVKGLDKRVDGNVILVAPKDELD.LREKQLEKQKLEKEIGELSEI IKVNFAKASDIAEMING	274
consensus	*** **!* *****! * ***** *	

logo

NTDB id 1381 A4U84 RS02010 WP 021113424.1	KGGGNNLSESGLYHFDDRSNSIIVKDSAAVKNFTQLIESLDKPTQIAIEARIVTISSEHLQQLGVRWGLFSPNE	204
NTDB id 1347 HI 0435 AAC22094.1	TGSGSLLSPAGSITFDDRSNLLVIQDEPRSVQNIKKLIAEMDKPIEQIAIEARIVTITDES LKELGVRWGFNPTE	216
NTDB id 1373 NTHI RS02645 WP 011272046.1	TGSGSLLSSAGSITFDDRSNLLVIQDEPRFVQNIKKLIAEMDKPIEQIAIEARIVTITDES LKELGVRWGFNPTE	216
NTDB id 77936 DP22 RS09295 WP 000832808.1	GEKLLSAKGTIMVDKRTNRMLLRDNRAALAELEKWSQMDLPVAQVELAAHIVTINEKSLRELGVKWTLADATQ	209
NTDB id 1433 BW25113 RS17570 WP 000815987.1	GEKLLSAKGSMTVDKRTNRLLLRDNKTALSALEQWVAQMDLPVGQVELSAHIVTINEKSLRELGVKWTLADAH	209
NTDB id 1193 PA5040 NP 253727.1	VTSDGCGEGKEGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQVMIEARIVEANVG YDKSLGVRWGGAYHKG	478
NTDB id 1186 GTF74 RS01320 WP 000788426.1	EGNVNMLSERGSISIDERTNSLLIRELPDNI AVIREIIIESLDIPVKQVQIEARIVTVKEGNLEELGVRWGMSTNG	349
NTDB id 1175 A1552VC RS12105 WP 000788426.1	EGNVNMLSERGSISIDERTNSLLIRELPDNI AVIREIIIESLDIPVKQVQIEARIVTVKEGNLEELGVRWGMSTNG	349
NTDB id 1408 DSB67 RS13980 WP 010643500.1	EGNISMLSDRGSMITIDERTNSLLIRELPENIEVIREIIIESLDIPVKQVQIEARIVTINEGNMDELGVRWGFSTING	350
consensus	** *** *!*!!!!!!*!!!!***** *	

logo

NTDB id 1381 A4U84 RS02010 WP 021113424.1	NHYKLAGNLE.....GNGLT..NNLNVNF..PVNPSASVALQIAAIN.SRVLDLELT	252
NTDB id 1347 HI 0435 AAC22094.1	NARRVAGSLT.....GNSFENIADNLNVNFATTTTPAGSIALQVAKIN.GRLLDLELS	268
NTDB id 1373 NTHI RS02645 WP 011272046.1	NARRVAGSLT.....GNSFENIADNLNVNFATTTTPAGSIALQVAKIN.GRLLDLELS	268
NTDB id 77936 DP22 RS09295 WP 000832808.1	AGSV.GDVT.....LSSDLS....VAAATSRVGFNIGRIN.GRLLDLELS	249
NTDB id 1433 BW25113 RS17570 WP 000815987.1	AGGV.GQVTT.....LGSDLS....VATATHVGFNIGRIN.GRLLDLELS	249
NTDB id 1193 PA5040 NP 253727.1	NWVG.YGKDG...NIGIKDEDGMNCGPIAGSCTFPTTGTSKSPSPFVDLG....AKDATSGIGIGFITDNIILDLQLS	548
NTDB id 1186 GTF74 RS01320 WP 000788426.1	SHSV.GGSIESNLWQKGLLAD.....DEFPVDEFLNVNLAISTSANASSIAFQVAKLGSGLTLLDLELS	410
NTDB id 1175 A1552VC RS12105 WP 000788426.1	SHSV.GGSIESNLWQKGLLAD.....DEFPVDEFLNVNLAISTSANASSIAFQVAKLGSGLTLLDLELS	410
NTDB id 1408 DSB67 RS13980 WP 010643500.1	SHTV.GGSIIENNLATIGLYDGGGE.....GDDGGSSVGIDDFLNVNLAATSPNATSIAFQVAKLGSGLTLLDLELS	419
consensus	** **** * * ***** * * * ********** ****!!*!*	

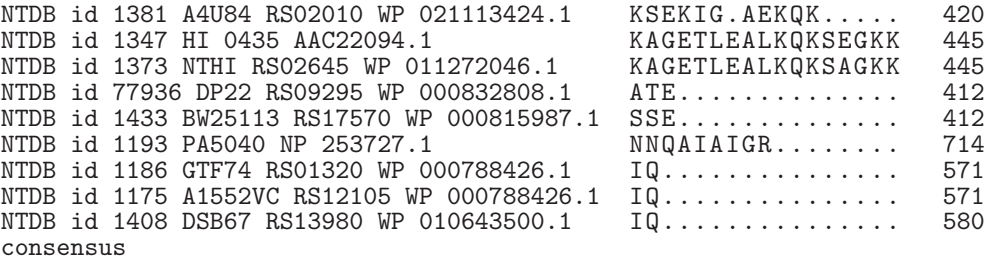
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NTDB id 1381 A4U84 RS02010 WP 021113424.1	ALSENNIIEIIASPRLLTTDKKTASIKQGTEIPYAMYSKKEEITDIEFREAVLGLEVTPHISKQNQILLDLAISQNSPNN	332
NTDB id 1347 HI 0435 AAC22094.1	ALERENNVEIIASPRLLTTNKKASIKQGTEIPYIVSNTRNDTQSVEFREAVLGLEVTPHISKDNNILLDLLVSQNSPGS	348
NTDB id 1373 NTHI RS02645 WP 011272046.1	ALERENNVEIIASPRLLTTNKKASIKQGTEIPYIVSNTRNDTQSVEFREAVLGLEVTPHISKDNNILLDLLVSQNSPGS	348
NTDB id 77936 DP22 RS09295 WP 000832808.1	ALEQKQQLDIIASPRLLASHLQPASIKQGESEIPYQVSSGESGATSVEFKEAVLGMEVTPTVLQKGRIRLKLHISQNVPGQ	329
NTDB id 1433 BW25113 RS17570 WP 000815987.1	ALEQKQQLDIIASPRLLASHLQPASIKQGESEIPYQVSSGESGATSVEFKEAVLGMEVTPTVLQKGRIRLKLHISQNVPGQ	329
NTDB id 1193 PA5040 NP 253727.1	AMEKTGNGEIVSQPKVVTSDKETAKILKGSEVPYQEAS.SSGATSTSFKEAALSLEVTPTQITPDNRIIVEVKVTKDAPDY	627
NTDB id 1186 GTF74 RS01320 WP 000788426.1	ALQNESKAEIISPRLLITTNNKQPAYIEQGTEIPYLESS.SSGASTVAFKKAVLSLKVTPQITPDNRLVLDLSVTQDRRGE	489
NTDB id 1175 A1552VC RS12105 WP 000788426.1	ALQNESKAEIISPRLLITTNNKQPAYIEQGTEIPYLESS.SSGASTVAFKKAVLSLKVTPQITPDNRLVLDLSVTQDRRGE	489
NTDB id 1408 DSB67 RS13980 WP 010643500.1	ALQNESKAEIISPRLLITTNNKQPAYIEQGTEIPYLESS.SSGATSVTFKKAVLSLKVTPQITPDNRLVLDLSVTQDRPGQ	498
consensus	!*****!***!***** *!*!!!!!!*!!!! *****!***** *!***** *	

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X non conserved
X similar
X ≥ 50% conserved