

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTTIEDRFGIPLVELHRVEIPPKVK	0
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTTIEDRFGIPLVELHRVEIPPKVK	80
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 161833 ASZ87 RS11000 WP 000957200.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus		

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	0
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	160
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 161833 ASZ87 RS11000 WP 000957200.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus		

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	EGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	0
NTDB id 1028 TT RS08215 WP 011173991.1	EGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	240
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 161833 ASZ87 RS11000 WP 000957200.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus		

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	LRSDALRYGAVPIGFGQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL	6
NTDB id 1028 TT RS08215 WP 011173991.1	LRSDALRYGAVPIGFGQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL	320
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 161833 ASZ87 RS11000 WP 000957200.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus	.....	0

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	SKKSRAVALRNYFSPFGNKLIVAGGHVDAEQLRQALIVQVKKTGRSLPEELKAVTGRELSPELIRQYKKNQLFELKVLVGV	86
NTDB id 1028 TT RS08215 WP 011173991.1	KEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGGRLEDTLVQS..GKLRPEALAAQ.....VATQLGYP	391
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	21
NTDB id 1355 HI 0298 AAC21962.1	.....	21
NTDB id 161833 ASZ87 RS11000 WP 000957200.1	.....	60
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	60
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	60
NTDB id 1293 VP RS12240 WP 005479695.1	.....	60
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	59
NTDB id 1251 GC085 RS07725 WP 011946523.1	...MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKN..KILSAEQIALT.....AAQNFQVP	68
NTDB id 1058 ABD1 RS01615 WP 001274986.1	...MSALHTSPKFTIGFFRRLVEEKHVSAAATMQTALDAAKRAKQDTPVAYLIEE..VHLSPSLLAET.....ISAEFAEP	68
NTDB id 1018 ACIAD RS01685 WP 004920473.1	...MSAFTTPPKFTSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDTPVYLIDN..FSISPLTIAEI.....ISLEFGEP	68
consensus	.....	

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	SVDPPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQEGDPPSVLVAMVDPDNLAQAQDELNRILRVKGF..ELRRLVVT	164
NTDB id 1028 TT RS08215 WP 011173991.1	YVDPEEDPPDP.....GAPLLLPEDLCRRYGVFPHRLEG...NRLVLLMKDPRNIALALDDVRLALKRKGLNYEVAPAVAT	463
NTDB id 1366 NTHI RS01950 WP 011271972.1	ISPDL.....WERNQQQSSLLRLRYFALPLKEEN...NRLWLGVDLSLNSACETIAFITG.....KPVEPILLE	82
NTDB id 1355 HI 0298 AAC21962.1	ISPDL.....WERNQQQSSLLRLRYFALPLKEEN...NRLWLGVDLSLNSACETIAFITG.....KPVEPILLE	82
NTDB id 161833 ASZ87 RS11000 WP 000957200.1	ETDLSRYDYAN.....LCQQGLGLRELITRYDALPIAKQG...NLLLLAVSDPTLLQAEFFRFRATG.....LQVELALAD	127
NTDB id 1168 A1552VC RS11070 WP 000957200.1	ETDLSRYDYAN.....LCQQGLGLRELITRYDALPIAKQG...NLLLLAVSDPTLLQAEFFRFRATG.....LQVELALAD	127
NTDB id 1401 DSB67 RS12665 WP 010643259.1	CTSLNQYEYAS.....LCQTLGLRLDITRHNALPLNRTS...STLILAVADPTNLQAEDDFRFRATG.....LQVELVLAD	127
NTDB id 1293 VP RS12240 WP 005479695.1	QPELSQYEYAS.....LCQQGLGLRELITRHNALPLHRTS...STLLLAVADPTNQAEDDFRFRATG.....LQVELVLAD	127
NTDB id 1110 NGFG RS09235 WP 003689817.1	ILDRLHYPRHR.....VLMGVLTEEQMVFEHCVPVFRRG...DKVFFAVSDPTQMPQIQKTVSAAG.....LAVELVIVE	126
NTDB id 1251 GC085 RS07725 WP 011946523.1	MLDINCIDVGT.....IPVNLVNEKLIKRRHAMVPLFSRG...TNLYLATDDPSKQASLKEIQFHTG.....LNTHAIVVE	135
NTDB id 1058 ABD1 RS01615 WP 001274986.1	YFDLDVYDTSQ.....IPKDLVDQKLILKHRILPLIQRG...QILYVATSNPSNIEAIDAIRFNSK.....LLVEPVIVE	135
NTDB id 1018 ACIAD RS01685 WP 004920473.1	LLDLGVFDPAL.....FLKDKIDEKLIQKYRIMPLVHRG...HVLVYATSNPTNIEAMDIAIRFNSK.....LKVEPTIVE	135
consensus	.....	

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	EDPVEINLGINQVQVQPKIGLFAAALRSFLRQDPDVMVGEIRDLETAIAKAAQTGHLVLSLHTNSAAETIRL	482
NTDB id 1028 TT RS08215 WP 011173991.1	EDPVEYEIPGINQTVQVNPQAGLTFARALRAFLRQDPDIIMVGEIRDSEAKIATEAALTGHLVLTATLHTNDAQAITRLD	755
NTDB id 1366 NTHI RS01950 WP 011271972.1	EDPIEIELDGIHQSQINPQIGLDFSRLLRAFLRQDPDIIMLGEIRDEESARIALRAAQTGHLVLSLHTNDAISAIISRLQ	371
NTDB id 1355 HI 0298 AAC21962.1	EDPIEIELDGIHQSQINPQIGLDFSRLLRRTFLRQDPDIIMLGEIRDEESAMIALRAAQTGHLVLSLHTNDAISAIISRLQ	371
NTDB id 161833 ASZ87 RS11000 WP 000957200.1	EDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDVMVGEIRDLETAIEIAVKAAQTGHLVLSLHTNSAAETVIRLA	431
NTDB id 1168 A1552VC RS11070 WP 000957200.1	EDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDVMVGEIRDLETAIEIAVKAAQTGHLVLSLHTNSAAETVIRLA	431
NTDB id 1401 DSB67 RS12665 WP 010643259.1	EDPVEIYLPGINQVQVQPKIGFGFAEALRSFLRQDPDVMVGEIRDLETAIEIAIKASQTGHLVLSLHTNSAAETVIRLS	431
NTDB id 1293 VP RS12240 WP 005479695.1	EDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDVMVGEIRDLETAIEIAIKASQTGHLVLSLHTNSAAETVIRLS	431
NTDB id 1110 NGFG RS09235 WP 003689817.1	EDPAEINLPGINQVNVNDKQGLTFAAALKSFLRQDPDIIMVGEIRDLETAIAKAAQTGHMVVSTLHTNNAPATLSRML	422
NTDB id 1251 GC085 RS07725 WP 011946523.1	EDPVEIKVPGINQVNTNPKAGLTFSGALRSFLRQDPDIIMVGEIRDLETAIEIAKAAQTGHLVLSLHTNSAAETLNRLV	440
NTDB id 1058 ABD1 RS01615 WP 001274986.1	EDPVEINLEGINQVNVNPKVGLTFAAALKSFLRQDPDIIMVGEIRDLETAIEIAKAAQTGHMVVSTLHTNSAPETLTRLR	435
NTDB id 1018 ACIAD RS01685 WP 004920473.1	EDPVEINLEGVNQVNVNPKVGLTFAAALRSFLRQDPDIIMVGEIRDLETAIEIAKAAQTGHLVMSTLHTNNAAETLTRLR	435
consensus	!!!** * !!!*****!* * !!!*!!!!!!*****!!!!!!*****!!!!!!*****!!!!!! ***** !*	

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	EMGVFENLASSLYIAQRLARRLCKK	561
NTDB id 1028 TT RS08215 WP 011173991.1	EMGVFENLASSLYIAQRLARRLCKK	819
NTDB id 1366 NTHI RS01950 WP 011271972.1	QLGIQQHEIENSLLLVIAQRLVRKICPKCGGNL	410
NTDB id 1355 HI 0298 AAC21962.1	QLGIQQYEIKNSLLLVIQRLVRKLCSCCGGNL	410
NTDB id 161833 ASZ87 RS11000 WP 000957200.1	NMGVEPFNLASSLSLIAQRLARRLCKHCKIAV	493
NTDB id 1168 A1552VC RS11070 WP 000957200.1	NMGVEPFNLASSLSLIAQRLARRLCKHCKIAV	493
NTDB id 1401 DSB67 RS12665 WP 010643259.1	NMGVESFNLASSLSLIAQRLARRLCPYCRQPQ	492
NTDB id 1293 VP RS12240 WP 005479695.1	NMGVESFNLASSLSLIAQRLARRLCPYCRQPQ	492
NTDB id 1110 NGFG RS09235 WP 003689817.1	NMGVAPFNIASSVSLIAQRLRLRLCSSCKQEVERPSASALKEVGFTDEDIAK.DW	488
NTDB id 1251 GC085 RS07725 WP 011946523.1	NMGITPTFNIASSVTLIAQRLARRLCNQCKAVRDDFTNQGLIELGFKEADLV.NL	505
NTDB id 1058 ABD1 RS01615 WP 001274986.1	NMGVASFNIATSVNLVIAQRLARRLCSQCKIPA.DIPKQSLLEMGFTEQDLAHPDF	501
NTDB id 1018 ACIAD RS01685 WP 004920473.1	NMGVASFNIATSVNLVIAQRLARRLCSQCKRPT.QVPERSLLEMGFTEQDLAQPEF	501
consensus	**!* ***** *****!!!!!!* !* * ****	

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	SGSGYKGRVGVYEVMRNSERTIAELINQGAATTDRIKDCAVEEGMITLLAYSINLVQEGYTTLEEVEVTVFTDTGLESEMRA	641
NTDB id 1028 TT RS08215 WP 011173991.1	GGTGYKGRYAIHELVLVDDIEIRHAIIVAGKSATEIKEIARRKGKMTLREDGLYKALQGITTLEEVLARTIE	889
NTDB id 1366 NTHI RS01950 WP 011271972.1	H.QGYRGRIGVYQFLHWQQ	464
NTDB id 1355 HI 0298 AAC21962.1	H.QGYRGRIGVYQFLHWQQ	464
NTDB id 161833 ASZ87 RS11000 WP 000957200.1	T.GGYSGRVGIYEVMAFNTIELAEAIMQRASIHQIERLAKANGMQTLQESGLEKLREGITSFAELQRVLYF	562
NTDB id 1168 A1552VC RS11070 WP 000957200.1	T.GGYSGRVGIYEVMAFNTIELAEAIMQRASIHQIERLAKANGMQTLQESGLEKLREGITSFAELQRVLYF	562
NTDB id 1401 DSB67 RS12665 WP 010643259.1	T.HGYSGRGTGIYEVMMKFDESLEALIKGASVHELEKLAIANGMQTLQMSGIEKLKQGITSFRELQRVLYF	561
NTDB id 1293 VP RS12240 WP 005479695.1	T.HGYSGRGTGIYEVMMKFDESLEALIKGASVHELEKLAIANGMQTLQMSGIEKLKQGITSFRELQRVLYF	561
NTDB id 1110 NGFG RS09235 WP 003689817.1	RGQGYKGRAGVYEVMPISEEMQVRVIMNNGTEVGLDVAYKEGMDLRRAGILKIMQGITSLEEVTANTND	558
NTDB id 1251 GC085 RS07725 WP 011946523.1	T.SGYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLAQSEGMLTIFQSGIEKVKEGITTIEEVNRVTVD	574
NTDB id 1058 ABD1 RS01615 WP 001274986.1	R.EGYKGRVGIYEVMMKVTPETISKIIMEDGNALEIAAASEKLGFNNLRRSGLKKVMQGVTSLSQEVNRVTSE	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	R.EGYKGRVGIYEVMMKITPETISKIIMEDGNALEIAATAETLGFNNLRRSGLKKVMQGVTSLSQEVNRVTSE	570
consensus	!!!!***** ** ** ** * ** ** ** ** !!!* !****	

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	KRKSALTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1028 TT RS08215 WP 011173991.1	.....	889
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	464
NTDB id 1355 HI 0298 AAC21962.1	.....	464
NTDB id 161833 ASZ87 RS11000 WP 000957200.1	.....	562
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	562
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	561
NTDB id 1293 VP RS12240 WP 005479695.1	.....	561
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	558
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	574
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved