

NTDB id	321 STU RS10980 WP 011225448.1	MN	IKDSI	GLRIKTERERQQMSREVLCLDGAELTVRQLIRIEKGESLPSLDRLSYIAKRLGKSMTTELLDQDNITIPD	76
NTDB id	48 STER RS01535 WP 011680720.1	MN	IKDSI	GLRIKTERERQQMSREVLCLDGAELTVRQLIRIEKGESLPSLDRLSYIAKRLGKSMTTELLDQDNITIPD	76
NTDB id	51 STRSA0001 RS01280 WP 002883753.1	MN	IKDSI	GLRIKTERELQQMSREVLCLDGAELTVRQLIRIEKGESLPSLDKLSYIAKRLGKSMTDLDDHNDNITIPD	76
NTDB id	469 HSISS4 RS01285 WP 021143546.1	MN	IKDSI	GLRIKTERERQQMSREVLCLDGAELTVRQLIRIEKGESLPSLDKLSYIAKRLGKNMDDLHDHNDNITIPD	76
NTDB id	579 DLJ51 RS00265 WP 109982338.1	MT	KADLGRR	IKAEARNRKISQSFCGDEEKLTI RQLQRIEHGQSLPTLEKLEFIADRDLTKMSDLLLEG RN IQLPD	76
NTDB id	580 DLJ51 RS00275 WP 109982339.1	MT	MKEVLR	GRIKEERESKQISQKLCGNGAALTVRQLQRIEHGQSLPTLEKLEFIARRDLKTSDLLESVDVQLPE	76
NTDB id	458 SSUD9 RS00355 WP 002935296.1	MND	KEFGQR	VVRQLRESASMTREQFCDDELELSVRQLTRIEAGASKPTFSKI QYIATRLGMGLYLELM.PDYVSLPE	74
NTDB id	455 SSSU RS00330 WP 012774888.1	MND	KEFGQR	VVRQLRESASMTREQFCDDELELSVRQLTRIEAGASKPTFSKI QYIATRLGMGLYLELM.PDYVSLPE	74
NTDB id	465 SSUU5 0053 ABP89025.1	MEVWFMND	KEFGQR	VVRQLRESASMTREQFCDDELELSVRQLTRIEAGASKPTFSKI QYIATRLGMGLYLELM.PDYVSLPE	79
NTDB id	555 STRINF RS01865 WP 174221231.1	MREEKE	ISREFC	GDETELSESVRLARIELNQSI PNLSKASFIANRLGVKL GTLT DGDSDL ELPK	63
NTDB id	45 SMU RS00375 WP 002263400.1	MLKDF	GKKIKS	LRLEKGLTKEAVCLDES QLSTRQLTRIESGQSTPTLNKAVYIAGR LGVT LGYLTD GENVELPS	74
NTDB id	337644 EQH32 RS10900 WP 001844285.1	MREF	GEEKIKRL	LRLAKKISRSEFCGDESEL SI RQLIRIENGESRPTLT KLKYIAERLGGGVKITS.....	64
NTDB id	451 SPYM18 RS00325 WP 002986681.1	MLEHF	GKKVKVLR	LEKRISREDLCGDESEL SVRLARIELGQS IPSLSKVIFIAKALNV SVGY LTDGADLELPK	74
NTDB id	443 SPYM3 RS00325 WP 011054099.1	MLEHF	GKKVKVLR	LEKRISREDLCGDESEL SVRLARIELGQS IPSLSKVIFIAKALNV SVGY LTDGADLELPK	74
consensus					* * * * *

NTDB id 321 STU RS10980 WP 011225448.1	EYYEMKNRLIKFPTYRNPDRIKSKLTLIEEVYEKFFDILPEEELLTLDILENILSFTSW	EESPKVEEIYEDLFEQVKRKR	156
NTDB id 48 STER RS01535 WP 011680720.1	EYYEMKNRLIKFPTYRNPDRIKSKLTLIEEVYEKFFDILPEEELLTLDILENILSFTSW	EESPKVEEIYEDLFEQVKRKR	156
NTDB id 51 STRSA0001 RS01280 WP 002883753.1	EYYEMKNRLIKFPTYRNPRIKAKLALIEEVYEKFFELLSEELLTLDILENILSFTSW	EESPKVEEIYEDLFEQVKRKR	156
NTDB id 469 HSIS4 RS01285 WP 021143546.1	EYYEMKNRLIKFPTYRNPRIKAKLALIEEVYEKFFELLPEEELLTLDILENILSFTSW	EESPKVEEIYEDLFEQVKRKR	156
NTDB id 579 DLJ51 RS00265 WP 109982338.1	DYWEKARIVKFPTYGDEERIQQKNLIDEIYDKYFDSLPEDELLFLDLSENILGGIHDKNIPDIE	EIYDDAFDQVLKKE	156
NTDB id 580 DLJ51 RS00275 WP 109982339.1	DYWAMKARIVKFPTYGEKERIQRKLDLINEVLVKYFDRLPDELLFLDLSENILDRIHDKRIPNIE	EIYDDAFEQVLKKK	156
NTDB id 458 SSUD9 RS00355 WP 002935296.1	RYSKLKFDVLRTPTYGNEDLAEKRDAMMTEIYDDYYDELPEEEKIVVDTLCSLFDVLDTS	SQEYGKEIILDDYLHQS	154
NTDB id 455 SSU RS00330 WP 012774888.1	RYSKLKFDVLRTPTYGNEDLAEKRDAMMTEIYDDYYDELPEEEKIADAIQSRIDTLES	GATAGFGKEILEDYFEQIFRKR	154
NTDB id 465 SSU05 0053 ABP89025.1	RYSKLKFDVLRTPTYGNEDLAEKRDAMMTEIYDDYYDELPEEEKIADAIQSRIDTLES	GATAGFGKEILEDYFEQIFRKR	159
NTDB id 555 STRINF RS01865 WP 174221231.1	RYKELKYLRLTPTYGDQVRLDRKNDYFDEIAEVYFDVTPPEERLIDCLQSKFDVHFS	EDNVFGEGLINDYFGQVNRKK	143
NTDB id 45 SMU RS00375 WP 002263400.1	RYKELKYLRLTPTYGDQQLAEKETYFDEIFSQFYDDLPPEEQLIIDGLQSKLDIHFS	DNIDFGVGILNDYFDQILRKT	154
NTDB id 337644 EQH32 RS10900 WP 001844285.1			64
NTDB id 451 SPYM18 RS00325 WP 002986681.1	RYKELKYLILRTPTYMDDGKLQVREEQFDEIFEDYYDKLPPEEKIIDIICLQATLD	TLLSENTNFGIILLQEYFNQIKTKV	154
NTDB id 443 SPYM3 RS00325 WP 011054099.1	RYKELKYLILRTPTYMDDGKLQVREEQFDEIFEDYYDKLPPEEKVAVDIIQAKF	EVYQTGDINFGYSILKEFLPLKRRKS	154
consensus	* * * * *	* * * * *	

NTDB id 321 STU RS10980 WP 011225448.1	KFSTNDLLVIDYFFHLYGR...KQYDKKLFERI I KRVLNQEIWT..	DDVYNIVLFNDLMAIAALKIFHNSFSDFLTVV	230
NTDB id 48 STER RS01535 WP 011680720.1	KFSTNDLLVIDYFFHLYGR...KQYDKKLFERI I KRVLNQEIWT..	DDVYNIVLFNDLMAIAALKIFHNSFSDFLTVV	230
NTDB id 51 STRSA0001 RS01280 WP 002883753.1	KFSTNDLLVIDYFFHLYGR...KQYDKKLFERI I KRVLNQEIWT..	DDVYNIVLFNDLMAIAALKIFHNSFSDFLTVV	230
NTDB id 469 HSIS4 RS01285 WP 021143546.1	KFSTNDLLVIDYFFHLYGR...KQYDKKLFERI I KRVLNQEIWT..	DDVYNIVLFNDLMAIAALKIFHNSFSDFLTVV	230
NTDB id 579 DLJ51 RS00265 WP 109982338.1	RDFDNDYLYLGYFLQCKRD...SDYDKTFKKIEQKLLQKELLA..	DDLYNIELLVTVMDAATVYAFHDDYGNIMPLL	230
NTDB id 580 DLJ51 RS00275 WP 109982339.1	TFTFNDYLYLSYFLQKCRNE...ASYDRKIFKQIEQKLLQKELSS..	DEFYNIEFLAAVMDAAAVYAFHDDYKDIMPLL	230
NTDB id 458 SSUD9 RS00355 WP 002935296.1	KLSINDLMILRLFIEHCQLEDLSVGTSNYALFTDLIEKLPQSIYDVHS	ESLFI..VRDLFLAIVRILFSKELYNHIVPYI	232
NTDB id 455 SSU RS00330 WP 012774888.1	KYELNDLLIVRLHLEYVRLSS..CDSEIFRQFLK I IEHLHEQINIINSN	DLFV..LRDTLLSCVNILGSKKYYEPIPKIF	230
NTDB id 465 SSU05 0053 ABP89025.1	KYELNDLLIVRLHLEYVRLSS..CDSEIFRQFLK I IEHLHEQINIINSN	DLFV..LRDTLLSCVNILGSKKYYEPIPKIF	235
NTDB id 555 STRINF RS01865 WP 174221231.1	VETINDLLILIDLIFACLSAKKFGEISLDFYDDLMLKRLVNQKHVPET	DLI..LNNVLINNIDLAFQFKREYYTERVI	220
NTDB id 45 SMU RS00375 WP 002263400.1	NYQVNDLILIDLIFSCSLTVSGLDSAIFDSRKYNQLLETLLKQVDCPL	EDLFV..LNNVLINNFGLLLELKKYDFVKKLI	232
NTDB id 337644 EQH32 RS10900 WP 001844285.1			64
NTDB id 451 SPYM18 RS00325 WP 002986681.1	RFRQNDLILLELYLAYLDIEGMDGQYS DKIFYDSLNDLSEQFEQFEL	DELFI..VNKI I IDISSLSLKNRRLDNLEKAI	232
NTDB id 443 SPYM3 RS00325 WP 011054099.1	IYNLNEILLIDLILIIIVVSHFSDDIFDVQFYEEITESMLKQHNNLSL	EDLFL..LNNLILSCADTYIRLKMFGHLEKETL	232
consensus	*** **** * *	*** ** * * * *	*** ** * * *

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NTDB id 469 HSIS34 RS01285 WP 021143546.1
NTDB id 579 DLJ51 RS00265 WP 109982338.1
NTDB id 580 DLJ51 RS00275 WP 109982339.1
NTDB id 458 SSUD9 RS00355 WP 002935296.1
NTDB id 455 SSU RS00330 WP 012774888.1
NTDB id 465 SSU05 0053 ABP89025.1
NTDB id 555 STRINF RS01865 WP 174221231.1
NTDB id 45 SMU RS00375 WP 002263400.1
NTDB id 337644 EQH32 RS10900 WP 001844285.1
NTDB id 451 SPYM18 RS00325 WP 002986681.1
NTDB id 443 SPYM3 RS00325 WP 011054099.1
consensus

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X	non conserved
X	similar
X	$\geq 50\%$ conserved