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NTDB id 458 SSUD9 RS00355 WP 002935296.1	MNDKEFGQRRVRLRESASMTREQFCDDELELSVRQLTRIEAGASKPTFSKIQYIATRLGMGLYELM.PDYVSLPE	74
NTDB id 465 SSU05 0053 ABP89025.1	MEVWFMNDKEFGQRRVRLRESASMTREQFCDDELELSVRQLTRIEAGASKPTFSKIQYIATRLGMGLYELM.PDYVSLPE	79
NTDB id 455 SSU RS00330 WP 012774888.1	MNDKEFGQRRVRLRESASMTREQFCDDELELSVRQLTRIEAGASKPTFSKIQYIATRLGMGLYELM.PDYVSLPE	74
NTDB id 443 SPYM3 RS00325 WP 011054099.1	MLEHFGGKVKVLRLEKRISREDLCGDESELSVRQLARIELGQSIPSLSKVIFIAKALNVSVGYLTDGADLELPK	74
NTDB id 400559 GJS34 RS00280 WP 014622102.1	MLDNFGEKVRDLRYQKKITREDLCGDESELSIRQLARIELGQSIPSLSKVVYIAKALDVSVGFLLTDGEDLELPK	74
NTDB id 451 SPYM18 RS00325 WP 002986681.1	MLEHFGGKVKVLRLEKRISREDLCGDESELSVRQLARIELGQSIPSLSKVIFIAKALNVSVGYLTDGADLELPK	74
NTDB id 45 SMU RS00375 WP 002263400.1	MLKD FGK KIK SLRLEKGLTKEAVCLDESQ L STRQLTRIESGQSTPTLNKAVYIAGRLGVTLGYLTDGENVELPS	74
NTDB id 555 STRINF RS01865 WP 174221231.1	MREEKEISREEFCGDETELSVRQLARIELNQSIPNLSKASFIANRLGVKLGTLTGDG S LELPK	63
consensus	*** ** *! * ***! ! !!!!!!!*!! *!! !***** *!! !**** ** !**** **!!	

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NTDB id 458 SSUD9 RS00355 WP 002935296.1	RYSKLKF D VLRTPTYGNEDLAEKRDAMMT E YDDYYDELPEEEKIVVD T LCSLFDVLD T DSQEY G KEILDDYLHQSY H RS	154
NTDB id 465 SSU05 0053 ABP89025.1	RYSKLKF D VLRTPTYGNEDLAEKRDAMMT E YDDYYDELPEEEKIAIDAI Q SRIDTLES G TAGFGKEILEDYFEQIFRKR	159
NTDB id 455 SSU RS00330 WP 012774888.1	RYSKLKF D VLRTPTYGNEDLAEKRDAMMT E YDDYYDELPEEEKIAIDAI Q SRIDTLES G TAGFGKEILEDYFEQIFRKR	154
NTDB id 443 SPYM3 RS00325 WP 011054099.1	RYKELKYLILRTPTYMDDG K LQVREEQFDEIFEDYYDKLPPEEKVAVD I IAKFEVYQ T GDINFGYSILKEFLPQLKRKS	154
NTDB id 400559 GJS34 RS00280 WP 014622102.1	RYKELKYLILRTPTYMDDG K LKLRREEQFDEIFEDYYDQLPEEEKLVVD C LQSIMDTLLTENINFGVGLQEYFEQTKSKT	154
NTDB id 451 SPYM18 RS00325 WP 002986681.1	RYKELKYLILRTPTYMDDG K LQVREEQFDEIFEDYYDKLPPEEKI I IDCLQATLDTLLSENTNFGIDLQEYFNQIKTKV	154
NTDB id 45 SMU RS00375 WP 002263400.1	RYKELKYLILRTPTYGDQ Q RLAEKETYFDEIF S QFYDDLPEEEQL I IDGLQSKLDIHFSNIDFGVGLNDYFDQILRKT	154
NTDB id 555 STRINF RS01865 WP 174221231.1	RYKELKYLILRTPTYGDQ V RLDRKNDYFDEIA E VFYDV I PEEERLIIDCLQSKFDVHFSE D VNFGEGILNDYFGQVNRKK	143
consensus	!****!!**!!** * * **!!*****! *!!!!*****! ***** * * * *! *! *** !* **	

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NTDB id 458 SSUD9 RS00355 WP 002935296.1	KLSINDLMIIRLFIEHCQIEDLSVGTSNYALFTDLIEKLPQSIYDVHSES L FIVRDLFLAIVRILFSKELYNH I PVYIEK	234
NTDB id 465 SSU05 0053 ABP89025.1	KYELNDLLIVRLHLEYVRLSS..CDSEIFRQFLK I IEHLHEQIN I INSNDLFVLRDTLLSCVNILGSKKYYE I PIPKIFDS	237
NTDB id 455 SSU RS00330 WP 012774888.1	KYELNDLLIVRLHLEYVRLSS..CDSEIFRQFLK I IEHLHEQIN I INSNDLFVLRDTLLSCVNILGSKKYYE I PIPKIFDS	232
NTDB id 443 SPYM3 RS00325 WP 011054099.1	IYNLNE L LIDLYLIILVVS H FSDDIFDVQFYEE I TESMLKQHNNLSLE D FLLLNNILLSCADTYIRLKMFGHLKETLQL	234
NTDB id 400559 GJS34 RS00280 WP 014622102.1	QFREN D LILIELYLAYLDIVGMNGEYS D KGFYDSLLDILLNQFEHFEL E ELFIVNKIATIGISSLSIKNNKPEILEKVIVL	234
NTDB id 451 SPYM18 RS00325 WP 002986681.1	RFRQNDLILLELYLAYLDIEGMDGQYSDKIFYDSLLDN L SEQFEQFELDEFIVNKI I IDISSLSLKNRNLNLEKAIEM	234
NTDB id 45 SMU RS00375 WP 002263400.1	NYQVNDLILIDLYF S CLTVSGLDSAIFDSRKYNQLLE T LLKQVDCLPLEDLFVLNNVLLNNFGLLLELKKYDFVKQLIAV	234
NTDB id 555 STRINF RS01865 WP 174221231.1	VETINDLILIDLYFAC L SSAKKFEGIYSLDFYDDLMKRLV N QKHVSPETD.LILNNVLLNNIDLAFQFKREYYIERVIT I	222
consensus	* *!****!!** * * * **** * * * * ***** **** * * * * * **** *	

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NTDB id 458 SSUD9 RS00355 WP 002935296.1	IENIMELSQDFQKKPI L NLVKWKYELK V QHNHEIAERYYNEA I TFASLLNQFHLKEKLQMEWEKDTQSLKR	305
NTDB id 465 SSU05 0053 ABP89025.1	VDKIIQSTQDFQKKPIVS V LKWKYALFVDKDRDEAEKHYLD A VLFAKLIENRELEQKIEEDWRVDNQ....	304
NTDB id 455 SSU RS00330 WP 012774888.1	VDKIIQSTQDFQKKPIVS V LKWKYALFVDKDRDEAEKHYLD A VLFAKLIENRELEQKIEEDWRVDNQ....	299
NTDB id 443 SPYM3 RS00325 WP 011054099.1	SHFIMSTIQDFQKKMP M YCMYEWKLS I FYLDINRARNY F EQSILFTQ M TGDTYLVQKLRGEWNKD I HYI..	303
NTDB id 400559 GJS34 RS00280 WP 014622102.1	SQKIIILK T QDFNRMPILN L IEWKYALMKKKDV E MAEK C YDKAC L FAQLTG D QYLEKKLREEWDKD I KYQ.	304
NTDB id 451 SPYM18 RS00325 WP 002986681.1	SQKIMAKIQD W NRMPILK L IEWKYFLIKQ K DIKAEQ S FMKAC L FAQ M TADQYLEN K LQEWKDV K SY..	303
NTDB id 45 SMU RS00375 WP 002263400.1	SNKIMDR L HD F QKKPIV N LLTWKHH L FVEKD I YAEAK S YDA I LFAQLTENIN L RENLEKEWQKD S QNGT.	304
NTDB id 555 STRINF RS01865 WP 174221231.1	SEKIMTEI H DFQRRPIL S LVEWKY L K L K H DFALAEQ S FT N AT L FARLVGDTY L EN K LKEWQ L DAVE.	292
consensus	* *! * ****!!** * * *! * * * *! * * * ****!!* * **** *! *! *	

 non conserved
 similar
 $\geq 50\%$ conserved