```
logo
NTDB id 455 SSU RS00330 WP 012774888.1          .....MNDKEFGQRVRQLRESASMTREQFCDDELELSVRQLTRIEAGASKPTFSKIQYIATRLGMGLYELM.PDYVSLPE   74
NTDB id 465 SSU05 0053 ABP89025.1               MEVWFMNDKEFGQRVRQLRESASMTREQFCDDELELSVRQLTRIEAGASKPTFSKIQYIATRLGMGLYELM.PDYVSLPE   79
NTDB id 1037994 ACB339 RS00335 WP 011054099.1   ......MLEHFGGKVKVLRLEKRISREDLCGDESELSVRQLARIELGQSIPSLSKVIFIAKALNVSVGYLTDGADLELPK   74
NTDB id 443 SPYM3 RS00325 WP 011054099.1        ......MLEHFGGKVKVLRLEKRISREDLCGDESELSVRQLARIELGQSIPSLSKVIFIAKALNVSVGYLTDGADLELPK   74
NTDB id 451 SPYM18 RS00325 WP 002986681.1       ......MLEHFGGKVKVLRLEKRISREDLCGDESELSVRQLARIELGQSIPSLSKVIFIAKALNVSVGYLTDGADLELPK   74
NTDB id 45 SMU RS00375 WP 002263400.1           ......MLKDFGKKIKSLRLEKGLTKEAVCLDESQLSTRQLTRIESGQSTPTLNKAVYIAGRLGVTLGYLTDGENVELPS   74
NTDB id 555 STRINF RS01865 WP 174221231.1       ................MREEKEISREEFCGDETELSVRQLARIELNQSIPNLSKASFIANRLGVKLGTLTDGDSLELPK   63
consensus                                          **  ** *** *!*** ***!**!*!!**!!*!!!*!!!***!*!***!***!! *!******!**** **!!*
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logo
NTDB id 455 SSU RS00330 WP 012774888.1          RYSKLKFDVLRTPTYGNEDLAEKRDAMMTEIYDDYYDELPEEEKIAIDAIQSRIDTLESGTAGFGKEILEDYFEQIFRKR   154
NTDB id 465 SSU05 0053 ABP89025.1               RYSKLKFDVLRTPTYGNEDLAEKRDAMMTEIYDDYYDELPEEEKIAIDAIQSRIDTLESGTAGFGKEILEDYFEQIFRKR   159
NTDB id 1037994 ACB339 RS00335 WP 011054099.1   RYKELKYLILRTPTYMDDGKLQVREEQFDEIFEDYYDKLPEEEKVAVDIIQAKFEVYQTGDINFGYSILKEFLPQLKRKS   154
NTDB id 443 SPYM3 RS00325 WP 011054099.1        RYKELKYLILRTPTYMDDGKLQVREEQFDEIFEDYYDKLPEEEKVAVDIIQAKFEVYQTGDINFGYSILKEFLPQLKRKS   154
NTDB id 451 SPYM18 RS00325 WP 002986681.1       RYKELKYLILRTPTYMDDGKLQVREEQFDEIFEDYYDKLPEEEKIIIDCLQATLDTLLSENTNFGIDLLQEYFNQIKTKV   154
NTDB id 45 SMU RS00375 WP 002263400.1           RYKELKYLLLRTPTYGDQQRLAEKETYFDEIFSQFYDDLPEEEQLIIDGLQSKLDIHFSDNTDFGVGILNDYFDQILRKT   154
NTDB id 555 STRINF RS01865 WP 174221231.1       RYKELKYLLLRTPTYGDQVRLDRKNDYFDEIAEVFYDVIPEEERLIIDCLQSKFDVHFSEDVNFGEGILNDYFGQVNRKK   143
consensus                                       !!**!!***!!!!!!*** **  *** **!!****!! *!!!!****! *!*****  ** **!!  *! *** !* *!
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logo
NTDB id 455 SSU RS00330 WP 012774888.1          KYELNDLLIVRLHLEYVRLSSCDSEIFRQ..FLKIIEHLHEQINIINSNDLFVLRDTLLSCVNILGSKKYYEPIPKIFDS   232
NTDB id 465 SSU05 0053 ABP89025.1               KYELNDLLIVRLHLEYVRLSSCDSEIFRQ..FLKIIEHLHEQINIINSNDLFVLRDTLLSCVNILGSKKYYEPIPKIFDS   237
NTDB id 1037994 ACB339 RS00335 WP 011054099.1   IYNLNELLLIDLYLIILVVSHFSDDIFDVQFYEEITESMLKQHNNLSLEDLFLLNNILLSCADTYIRLKMFGHLKETLQL   234
NTDB id 443 SPYM3 RS00325 WP 011054099.1        IYNLNELLLIDLYLIILVVSHFSDDIFDVQFYEEITESMLKQHNNLSLEDLFLLNNILLSCADTYIRLKMFGHLKETLQL   234
NTDB id 451 SPYM18 RS00325 WP 002986681.1       RFRQNDLILLELYLAYLDIEGMDGQYSDKIFYDSLLDNLSEQFEQFELDELFIVNKIIIDISSLSLKNNRLDNLEKAIEM   234
NTDB id 45 SMU RS00375 WP 002263400.1           NYQVNDLILIDLYFSCLTVSGLDSAIFDSRKYNQLLETLLKQVDCLPLEDLFVLNNVLLNNFGLLLELKKYDFVKQLIAV   234
NTDB id 555 STRINF RS01865 WP 174221231.1       VFTINDLILIDLYFACLSSAKKFEGIYSLDFYDDLMKRLVNQKHVSPETD.LILNNVLLNNIDLAFQFKREYYIERVITI   222
consensus                                        * *!*!****!**  * **  * *****  *** *** ** ! * * ************** * *  * ** * *** *
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logo
NTDB id 455 SSU RS00330 WP 012774888.1          VDKIIQSTQDFQKKPIVSVLKWKYALFVDKDRDEAEKHYLDAVLFAKLIENRELEQKIEEDWRVDNQ...   299
NTDB id 465 SSU05 0053 ABP89025.1               VDKIIQSTQDFQKKPIVSVLKWKYALFVDKDRDEAEKHYLDAVLFAKLIENRELEQKIEEDWRVDNQ...   304
NTDB id 1037994 ACB339 RS00335 WP 011054099.1   SHFIMSTIQDFQKMPMYCMYEWKLSIFYLKDINRARNYFEQSILFTQMTGDTYLVQKLRGEWNKDIHYI.   303
NTDB id 443 SPYM3 RS00325 WP 011054099.1        SHFIMSTIQDFQKMPMYCMYEWKLSIFYLKDINRARNYFEQSILFTQMTGDTYLVQKLRGEWNKDIHYI.   303
NTDB id 451 SPYM18 RS00325 WP 002986681.1       SQKIMAKIQDWNRMPILKLIEWKYFLIKQKDIIKAEQSFMKACLFAQMTADQYLENKLIQEWEKDVKSY.   303
NTDB id 45 SMU RS00375 WP 002263400.1           SNKIMDRTHDFQKKPIVNLLTWKHHLFVEKDYAEAKKSYDAAILFAQLTENINLRENLEKEWQKDSQNGT   304
NTDB id 555 STRINF RS01865 WP 174221231.1       SEKIMTEIHDFQRRPILSLVEWKYYLKLKHDFALAEQSFTNATLFARLVGDTYLENKLKEEWQLDIDAVE   292
consensus                                       * *!* ***!****!** ***!!* *** *!    !** *  **!!****** *!****   *!**!*
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X non conserved

X similar

X $\geq$ 50% conserved