```
logo
NTDB id 458 SSUD9 RS00355 WP 002935296.1        .....MNDKEFGQRVRQLRESASMTREQFCDDELELSVRQLTRIEAGASKPTFSKIQYIATRLGMGLYELM.PDYVSLPE   74
NTDB id 1059184 ACFKHJ RS00410 WP 239604412.1   .....MNDKEFGQRVRYLREKLAITREEFCEDELELSVRQLSRIEAGQCKPTFSKIGFIASRLNMGLYELM.PDYVQLPE   74
NTDB id 455 SSU RS00330 WP 012774888.1          .....MNDKEFGQRVRQLRESASMTREQFCDDELELSVRQLTRIEAGASKPTFSKIQYIATRLGMGLYELM.PDYVSLPE   74
NTDB id 465 SSU05 0053 ABP89025.1               MEVWFMNDKEFGQRVRQLRESASMTREQFCDDELELSVRQLTRIEAGASKPTFSKIQYIATRLGMGLYELM.PDYVSLPE   79
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                                            ************ *!*   ***! *!*!!**!!*!!!*!!!*****!***!* *!!**!******!* **** !!*

logo
NTDB id 458 SSUD9 RS00355 WP 002935296.1        RYSKLKFDVLRTPTYGNEDLAEKRDAMMTEIYDDYYDELPEEEKIVVDTLCSLFDVLDTDSQEYGKEILDDYLHQSYHRS   154
NTDB id 1059184 ACFKHJ RS00410 WP 239604412.1   RYSRLKYEVLRTPTYGDQFLVEQRDQMLTIIYDEYYDELPEEEKIAIDAFQSTIDVFETRSNQFGKEILDDYFEQVHRKE   154
NTDB id 455 SSU RS00330 WP 012774888.1          RYSKLKFDVLRTPTYGNEDLAEKRDAMMTEIYDDYYDELPEEEKIAIDAIQSRIDTLESGTAGFGKEILEDYFEQIFRKR   154
NTDB id 465 SSU05 0053 ABP89025.1               RYSKLKFDVLRTPTYGNEDLAEKRDAMMTEIYDDYYDELPEEEKIAIDAIQSRIDTLESGTAGFGKEILEDYFEQIFRKR   159
NTDB id 451 SPYM18 RS00325 WP 002986681.1       RYKELKYLILRTPTYMDDGKLQVREEQFDEIFEDYYDKLPEEEKIIIDCLQATLDTLLSENTNFGIDLLQEYFNQIKTKV   154
NTDB id 45 SMU RS00375 WP 002263400.1           RYKELKYLLLRTPTYGDQQRLAEKETYFDEIFSQFYDDLPEEEQLIIDGLQSKLDIHFSDNIDFGVGILNDYFDQILRKT   154
NTDB id 555 STRINF RS01865 WP 174221231.1       RYKELKYLLLRTPTYGDQVRLDRKNDYFDEIAEVFYDVIPEEERLIIDCLQSKFDVHFSEDVNFGEGILNDYFGQVNRKK   143
consensus                                       !!**!!***!!!!!!*** ****** ****!****!!**!!!!****!*****!******  *!***!**!**!* **

logo
NTDB id 458 SSUD9 RS00355 WP 002935296.1        KLSINDLMILRLFIEHCQLEDLSVGTSNYALFTDLIEKLPQSIYDVHSESLFIVRDLFLAIVRILFSKELYNHIPVYIEK   234
NTDB id 1059184 ACFKHJ RS00410 WP 239604412.1   KYSINDLLIIRLYLEHIRDRD..TDATIYHYFSSLITHLPNQQEVMDSKELFILRDVILISIGILGDREDYEKIPSLFDA   232
NTDB id 455 SSU RS00330 WP 012774888.1          KYELNDLLIVRLHLEYVRLSS..CDSEIFRQFLKIIEHLHEQINIINSNDLFVLRDTLLSCVNILGSKKYYEPIPKIFDS   232
NTDB id 465 SSU05 0053 ABP89025.1               KYELNDLLIVRLHLEYVRLSS..CDSEIFRQFLKIIEHLHEQINIINSNDLFVLRDTLLSCVNILGSKKYYEPIPKIFDS   237
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                                       ** *!!!****!*** * *          *  *  *** !  ** ** * **********  * **  ** ** ******

logo
NTDB id 458 SSUD9 RS00355 WP 002935296.1        IENIMELSQDFQKKPILNLVKWKYELKVQHNHEIAERYYNEAITFASLLNQFHLKEKLQMEWEKDTQSLKR   305
NTDB id 1059184 ACFKHJ RS00410 WP 239604412.1   LDKIMVLTQDFQKKPILNLLKWKYELHVNKNRDAAQSYFEEATLFAKLIGNDYLVHKIKEDWEEDSRL...   300
NTDB id 455 SSU RS00330 WP 012774888.1          VDKIIQSTQDFQKKPIVSVLKWKYALFVDKDRDEAEKHYLDAVLFAKLIENRELEQKIEEDWRVDNQ....   299
NTDB id 465 SSU05 0053 ABP89025.1               VDKIIQSTQDFQKKPIVSVLKWKYALFVDKDRDEAEKHYLDAVLFAKLIENRELEQKIEEDWRVDNQ....   304
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 ≥ 50% conserved