```
logo
NTDB id 451 SPYM18 RS00325 WP 002986681.1      MLEHFGGKVKVLRLEKRISREDLCGDESELSVRQLARIELGQSIPSLSKVIFIAKALNVSVGYLTDGADLELPKRYKELK   80
NTDB id 1138495 DQM53 RS00345 WP 111714689.1   MLEHFGEKVRGLRLEKGISREELCGDEAELSVRQLARIELGQSIPSLAKVIFIAKALEVSVGYLTDGANLELPKRYKELK   80
NTDB id 443 SPYM3 RS00325 WP 011054099.1       MLEHFGGKVKVLRLEKRISREDLCGDESELSVRQLARIELGQSIPSLSKVIFIAKALNVSVGYLTDGADLELPKRYKELK   80
NTDB id 45 SMU RS00375 WP 002263400.1          MLKDFGKKIKSLRLEKGLTKEAVCLDESQLSTRQLTRIESGQSTPTLNKAVYIAGRLGVTLGYLTDGENVELPSRYKELK   80
NTDB id 555 STRINF RS01865 WP 174221231.1      ...........MREEKEISREEFCGDETELSVRQLARIELNQSIPNLSKASFIANRLGVKLGTLTDGDSLELPKRYKELK   69
consensus                                      ****** *** *!*!! ***!**!*!!**!!*!!!*!!!**!!*!*!*!***!!**! !**!*!!!!* *!!!*!!!!!!

logo
NTDB id 451 SPYM18 RS00325 WP 002986681.1      YLILRTPTYMDDGKLQVREEQFDEIFEDYYDKLPEEEKIIIDCLQATLDTLLSENTNFGIDLLQEYFNQIKTKVRFRQND  160
NTDB id 1138495 DQM53 RS00345 WP 111714689.1   YLILRTPTYMDDGKLQVRESQFDEIFENYYDQLPEEEKIAIDIIQAKFEVYQTGDINFGFNILKEFLPQLKKKTVYNLNE  160
NTDB id 443 SPYM3 RS00325 WP 011054099.1       YLILRTPTYMDDGKLQVREEQFDEIFEDYYDKLPEEEKVAVDIIQAKFEVYQTGDINFGYSILKEFLPQLKRKSIYNLNE  160
NTDB id 45 SMU RS00375 WP 002263400.1          YLLLRTPTYGDQQRLAEKETYFDEIFSQFYDDLPEEEQLIIDGLQSKLDIHFSDNIDFGVGILNDYFDQILRKTNYQVND  160
NTDB id 555 STRINF RS01865 WP 174221231.1      YLLLRTPTYGDQVRLDRKNDYFDEIAEVFYDVTPEEERLIIDCLQSKFDVHFSEDVNFGEGILNDYFGQVNRKKVFTIND  149
consensus                                      !!*!!!!!!*!***!*****!!!!** *!! *!!!!****! *!***** ***** !! *!**** !***!*****!*

logo
NTDB id 451 SPYM18 RS00325 WP 002986681.1      LILLELYLAYLDIEGMDGQYSDKIFYDSLLDNLSEQFEQFELDELFIVNKIIIDISSLSLKNNRLDNLEKAIEMSQKIMA  240
NTDB id 1138495 DQM53 RS00345 WP 111714689.1   LLLIDLYLIILVVSNFTNDLFNEEFYKEITERILEQHQYLLLEDLFLLNNILLSCADTSIRLKMFERLKDTLQLSHFIMS  240
NTDB id 443 SPYM3 RS00325 WP 011054099.1       LLLIDLYLIILVVSHFSDDIFDVQFYEEITESMLKQHNNLSLEDLFLLNNILLSCADTYIRLKMFGHLKETLQLSHFIMS  240
NTDB id 45 SMU RS00375 WP 002263400.1          LILIDLYFSCLTVSGLDSAIFDSRKYNQLLETLLKQVDCLPLEDLFVLNNVLLNNFGLLLELKKYDFVKQLIAVSNKIMD  240
NTDB id 555 STRINF RS01865 WP 174221231.1      LILIDLYFACLSSAKKFEGIYSLDFYDDLMKRLVNQKHVSPETD.LILNNVLLNNIDLAFQFKREYYIERVITISEKIMT  228
consensus                                      !*!**!!*  ! **     ***  *!***** ** !   * *******!****   ** ******* **  * *! *!!*

logo
NTDB id 451 SPYM18 RS00325 WP 002986681.1      KIQDWNRMPILKLIEWKYFLIKQKDIIKAEQSFMKACLFAQMTADQYLENKLIQEWEKDVKSY.  303
NTDB id 1138495 DQM53 RS00345 WP 111714689.1   TIQDFQRMPMYCMYEWKLSIFYLKDIKRAETYFSQSLTFTQMTNDSYLAQKLQKEWDKDIHPS.  303
NTDB id 443 SPYM3 RS00325 WP 011054099.1       TIQDFQKMPMYCMYEWKLSIFYLKDINRARNYFEQSILFTQMTGDTYLVQKLRGEWNKDIHYI.  303
NTDB id 45 SMU RS00375 WP 002263400.1          RTHDFQKKPIVNLLTWKHHLFVEKDYAEAKKSYDAAILFAQLTENINLRENLEKEWQKDSQNGT  304
NTDB id 555 STRINF RS01865 WP 174221231.1      EIHDFQRRPILSLVEWKYYLKLKHDFALAEQSFTNATLFARLVGDTYLENKLKEEWQLDIDAVE  292
consensus                                       **!****!** ***!!  **  *!* *!**** ****!********! **!  !!**!*
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X non conserved

X similar

X $\geq$50% conserved