```
logo
NTDB id 451 SPYM18 RS00325 WP 002986681.1   MLEHFGGKVKVLRLEKRISREDLCGDESELSVRQLARIELGQSIPSLSKVIFIAKALNVSVGYLTDGADLELPKRYKELKYLILR   85
NTDB id 443 SPYM3 RS00325 WP 011054099.1    MLEHFGGKVKVLRLEKRISREDLCGDESELSVRQLARIELGQSIPSLSKVIFIAKALNVSVGYLTDGADLELPKRYKELKYLILR   85
NTDB id 45 SMU RS00375 WP 002263400.1       MLKDFGKKIKSLRLEKGLTKEAVCLDESQLSTRQLTRIESGQSTPTLNKAVYIAGRLGVTLGYLTDGENVELPSRYKELKYLLLR   85
NTDB id 555 STRINF RS01865 WP 174221231.1  ...........MREEKEISREEFCGDETELSVRQLARIELNQSIPNLSKASFIANRLGVKLGTLTDGDSLELPKRYKELKYLLLR   74
consensus                                   ************!*!!****!**!*!!**!!*!!!*!!!**!!*!*!*!  **!!* ! !**!*!!!!***!!!*!!!!!!!!*!!

logo
NTDB id 451 SPYM18 RS00325 WP 002986681.1   TPTYMDDGKLQVREEQFDEIFEDYYDKLPEEEKIIIDCLQATLDTLLSENTNFGIDLLQEYFNQIKTKVRFRQNDLILLELYLAY   170
NTDB id 443 SPYM3 RS00325 WP 011054099.1    TPTYMDDGKLQVREEQFDEIFEDYYDKLPEEEKVAVDIIQAKFEVYQTGDINFGYSILKEFLPQLKRKSIYNLNELLLIDLYLII   170
NTDB id 45 SMU RS00375 WP 002263400.1       TPTYGDQQRLAEKETYFDEIFSQFYDDLPEEEQLIIDGLQSKLDIHFSDNIDFGVGILNDYFDQILRKTNYQVNDLILIDLYFSC   170
NTDB id 555 STRINF RS01865 WP 174221231.1  TPTYGDQVRLDRKNDYFDEIAEVFYDVIPEEERLIIDCLQSKFDVHFSEDVNFGEGILNDYFGQVNRKKVFTINDLILIDLYFAC   159
consensus                                   !!!! ! **!***** !!!!****!!**!!!!****!**! * ****** **!!***!**** !***!*****!*!*!**!! **

logo
NTDB id 451 SPYM18 RS00325 WP 002986681.1   LDIEGMDGQYSDKIFYDSLLDNLSEQFEQFELDELFIVNKIIIDISSLSLKNNRLDNLEKAIEWSQKIMAKIQDWNRMPILKLIE   255
NTDB id 443 SPYM3 RS00325 WP 011054099.1    LVVSHFSLDIFDVQFYEEITESMLKQHNNLSLEDLFLLNNILLSCADTYIRLKMFGHLKETLQLSHFIMSTIQDFQKMPMYCMYE   255
NTDB id 45 SMU RS00375 WP 002263400.1       LTVSGLDSAIFDSRKYNQLLETLLKQVDCLPLEDLFVLNNVLLNNFGLLLELKKYDFVKQLIAVSNKIMDRTHDFQKKPIVNLLT   255
NTDB id 555 STRINF RS01865 WP 174221231.1  LSSAKKFEGIYSLDFYDDLMKRLVNQKHVSPETD.LILNNVLLNNIDLAFQFKREYYIERVITISEKIMTEIHDFQRRPILSLVE   243
consensus                                   !************ *!*********! ***********!****** ** ********* *** *!**!!****!****!** ***

logo
NTDB id 451 SPYM18 RS00325 WP 002986681.1   WKYFLIKQKDIIKAEQSFMKACLFAQMTADQYLENKLIQEWEKDVKSY.   303
NTDB id 443 SPYM3 RS00325 WP 011054099.1    WKLSIFYLKDINRARNYFEQSILFTQMTGDTYLVQKLRGEWNKDIHYI.   303
NTDB id 45 SMU RS00375 WP 002263400.1       WKHHLFVEKDYAEAKKSYDAAILFAQLTENINLRENLEKEWQKDSQNGT   304
NTDB id 555 STRINF RS01865 WP 174221231.1  WKYYLKLKHDFALAEQSFTNATLFARLVGDTYLENKLKEEWQLDIDAVE   292
consensus                                   !!***** *!***!********!!********!***!* !!**!*  *
```

X non conserved

X similar

X $\geq$ 50% conserved