```
logo
NTDB id 320 STU RS10340 WP 002949220.1        ..........................................................MEQEVFVKAYEKVRPIVLKAFRQY   24
NTDB id 47 STER RS00925 WP 002949220.1        ..........................................................MEQEVFVKAYEKVRPIVLKAFRQY   24
NTDB id 468 HSISS4 RS00725 WP 021143466.1     ..........................................................MEQEVFVHAYEVVRPIVLKASRQY   24
NTDB id 50 STRSA0001 RS07545 WP 002885610.1   ..........................................................MEQEVFVHAYEVVRPIVLKASRQY   24
NTDB id 44 SMU RS09085 WP 002263585.1         ..........................................................MEEDFEIVFNKVKPIVWKLSRYY   23
NTDB id 306369 DK878 RS00075 WP 002936602.1   ............................................................MEFEKVYASVKGIVNKARKEF   21
NTDB id 457 SSUD9 RS00080 WP 002936602.1      ............................................................MEFEKVYASVKGIVNKARKEF   21
NTDB id 461 GPW51 RS00080 WP 011921639.1      ............................................................MEFEKVYASVKGIVNKARKEF   21
NTDB id 454 SSU RS00080 WP 011921639.1        ............................................................MEFEKVYASVKGIVNKARKEF   21
NTDB id 424 SGO RS10430 WP 012130755.1        ............................................................MKFEDVYKQVEGIVKRCYKDY   21
NTDB id 423 SGO RS08370 WP 012130755.1        ............................................................MKFEDVYKQVEGIVKRCYKDY   21
NTDB id 141 SP RS10155 WP 000588925.1         ............................................................MIKELYEEVQGTVYKCRNEY   20
NTDB id 140 SP RS00070 WP 000588925.1         ............................................................MIKELYEEVQGTVYKCRNEY   20
NTDB id 252 KZH43 RS09050 WP 000588897.1      ............................................................MIKELYEEVQGTVYKCRNEY   20
NTDB id 251 KZH43 RS09050 WP 000588897.1      ............................................................MIKELYEEVQGTVYKCRNEY   20
NTDB id 211 SPD RS09675 WP 000588897.1        ............................................................MIKELYEEVQGTVYKCRNEY   20
NTDB id 210 SPD RS00065 WP 000588897.1        ............................................................MIKELYEEVQGTVYKCRNEY   20
NTDB id 177 SPR RS09210 WP 000588897.1        ............................................................MIKELYEEVQGTVYKCRNEY   20
NTDB id 176 SPR RS00065 WP 000588897.1        ............................................................MIKELYEEVQGTVYKCRNEY   20
NTDB id 489 SM12261 RS01070 WP 000471940.1    ............................................................MFKELYEEVQGIVYKCRNEY   20
NTDB id 488 SM12261 RS00065 WP 000471939.1    ............................................................MFKELYEEVQGIVYKCRNEY   20
NTDB id 516 SMSK321 RS09125 WP 000471944.1    ............................................................MFKELYKEVQGIVYKSRNEY   20
NTDB id 517 SMSK321 RS10700 WP 000471945.1    ............................................................MFKELYKEVQGIVYKSRNEY   20
NTDB id 582 DLJ51 RS00505 WP 002962720.1      MDKEKLKEIFNKHSALPEEVEEFDDGMVKEVITAGLLFCLKEVL...D........MDDSSFVSAFSRVEKTVSKLAKDY   69
NTDB id 554 STRINF RS00370 WP 115283725.1     ............................................................MDFERYFQTVKPIILKLRRHY   21
NTDB id 450 SPYM18 RS08475 WP 011018214.1     ..................................MSCCFFVVLFILGIVKKKRRLKMSIETRAAFEKVKPIILKLKRHY   45
NTDB id 449 SPYM18 RS01395 WP 011018214.1     ..................................MSCCFFVVLFILGIVKKKRRLKMSIETRAAFEKVKPIILKLKRHY   45
NTDB id 442 SPYM3 RS08515 WP 011106595.1      ..................................MSCCFFVVLFILGIVKKKRRLKMSIETRAVFEKVKPIILKLKRHY   45
NTDB id 441 SPYM3 RS01385 WP 011106595.1      ..................................MSCCFFVVLFILGIVKKKRRLKMSIETRAVFEKVKPIILKLKRHY   45
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1 ..................................MSCCFFVVLFILGIVKKKRRLKMSIETRAAFEKVKPIILKLKRHY   45
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1 ..................................MSCCFFVVLFILGIVKKKRRLKMSIETRAAFEKVKPIILKLKRHY   45
consensus                                                                                                ** *** ! *** * ****
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logo
NTDB id 320 STU RS10340 WP 002949220.1      FIQLWDQADMEQEAMMTLYQLLKKFPDLEKDDDKLRRYFKTKFRNRLNDEVRRQESVKRQANRQCYVEISDIAFCIPNKE   104
NTDB id 47 STER RS00925 WP 002949220.1      FIQLWDQADMEQEAMMTLYQLLKKFPDLEKDDDKLRRYFKTKFRNRLNDEVRRQESVKRQANRQCYVEISDIAFCIPNKE   104
NTDB id 468 HSISS4 RS00725 WP 021143466.1   FIQLWDQADMEQEAMMTLYQLLEKFPELKSDDDKLRRYFKTKFRNRLNDEVRRQESVKRQANRQCYIEISDIAFCLPNKE   104
NTDB id 50 STRSA0001 RS07545 WP 002885610.1 FIQLWDLADMEQEAMMTLYQLLEKFPELKSDDDKLRRYFKTKFRNRLNDEVRRQESVKRQANRQCYIEISDIAFCLPNKE   104
NTDB id 44 SMU RS09085 WP 002263585.1       FIKMWTREDWQQEGMLILHQLLREHPELEEDDTKLYIYFKTRFSNYIKDVLRQQESQKRRFNRMSYEEVGEIEHCLSSGG   103
NTDB id 306369 DK878 RS00075 WP 002936602.1 YIKLWDRDDWEQEGMMTLFELLEAQPWLVDEQVQLYCYFKVKFRNRIKDRIRKQESQKRKFDRMPHEDIHELSHAIQSPG   101
NTDB id 457 SSUD9 RS00080 WP 002936602.1   YIKLWDRDDWEQEGMMTLFELLEAQPWLVDEQVQLYCYFKVKFRNRIKDRIRKQESQKRKFDRMPHEDIHELSHAIQSPG   101
NTDB id 461 GPW51 RS00080 WP 011921639.1   YIKLWDRDDWEQEGMMTLFELLEAQPWLVDEQVQLYCYFKVKFRNRIKDRIRKQESQKRKFDRMPHEDIYELSHAIQSPG   101
NTDB id 454 SSU RS00080 WP 011921639.1     YIKLWDRDDWEQEGMMTLFELLEAQPWLVDEQVQLYCYFKVKFRNRIKDRIRKQESQKRKFDRMPHEDIYELSHAIQSPG   101
NTDB id 424 SGO RS10430 WP 012130755.1     YLHLWEYADWRQEGMLVLYELLKSHPNLLEDQPRLYRYFKTKFRNRIHDLIRRQESQKRKLDRQPYEEVSEIGHRLRMKE   101
NTDB id 423 SGO RS08370 WP 012130755.1     YLHLWEYADWRQEGMLVLYELLKSHPNLLEDQPRLYRYFKTKFRNRIHDLIRRQESQKRKLDRQPYEEVSEIGHRLRMKE   101
NTDB id 141 SP RS10155 WP 000588925.1      YLHLWELSDWEQEGMLCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGG   100
NTDB id 140 SP RS00070 WP 000588925.1      YLHLWELSDWEQEGMLCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGG   100
NTDB id 252 KZH43 RS09050 WP 000588897.1   YLHLWELSDWDQEGMLCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGG   100
NTDB id 251 KZH43 RS09050 WP 000588897.1   YLHLWELSDWDQEGMLCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGG   100
NTDB id 211 SPD RS09675 WP 000588897.1     YLHLWELSDWDQEGMLCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGG   100
NTDB id 210 SPD RS00065 WP 000588897.1     YLHLWELSDWDQEGMLCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGG   100
NTDB id 177 SPR RS09210 WP 000588897.1     YLHLWELSDWDQEGMLCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGG   100
NTDB id 176 SPR RS00065 WP 000588897.1     YLHLWELSDWDQEGMLCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGG   100
NTDB id 489 SM12261 RS01070 WP 000471940.1 YLHLWELSDWDQEGMICLHELISREEELVEDIPRLRKYFKTKFRNRILDHIRKQESQKRRYDKEPYEEVGEISHRISEGG   100
NTDB id 488 SM12261 RS00065 WP 000471939.1 HLHLWELSDWDQEGMICLHELISREEGIVEDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGG   100
NTDB id 516 SMSK321 RS09125 WP 000471944.1 YLHLWELSDWDQEGMICLHELISKEEELAEDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKESYEEVGEISHRIGEGG   100
NTDB id 517 SMSK321 RS10700 WP 000471945.1 YLHLWELSDWDQEGMICLHELISREEELVEDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEAYEEVGEISHRIGEGG   100
NTDB id 582 DLJ51 RS00505 WP 002962720.1   YIKLWTYDDWRQEARIILYQLLERFPDLANDEEKLRIYFKTKFRSYVLDNIRKQESQKRAFDRMIYEEISELGHMIPSQQ   149
NTDB id 554 STRINF RS00370 WP 115283725.1  FVKLWDYEDWIQEGRIVFFQLLEEHPDLLNNEGKCYSYFKTKFSNHVKDIIRHQESFKRKFNRMPYEEISDISHCVPQVF   101
NTDB id 450 SPYM18 RS08475 WP 011018214.1  YIQLWDRDDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRG   125
NTDB id 449 SPYM18 RS01395 WP 011018214.1  YIQLWDRDDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRG   125
NTDB id 442 SPYM3 RS08515 WP 011106595.1   YIQLWDRDDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRG   125
NTDB id 441 SPYM3 RS01385 WP 011106595.1   YIQLWDRDDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRG   125
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1 YIQLWDRDDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRG   125
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1 YIQLWDRDDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRG   125
consensus                                   ** *!*  !**!!*** * *!* * * ****  ****!!!**!**** ! *!*!!!*!!**** ********** *   *
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 320 STU RS10340 WP 002949220.1          LD.MVDRLAYDEQLNAFREQLSSEDSLKLDRLLGGECFRGRKKMIRELRFWMVDFDPCNEED   165
NTDB id 47 STER RS00925 WP 002949220.1          LD.MVDRLAYDEQLNAFREQLSSEDSLKLDRLLGGECFRGRKKMIRELRFWMVDFDPCNEED   165
NTDB id 468 HSISS4 RS00725 WP 021143466.1       LD.AVDRLVYDEQLNAFRNQLSSEDATKLDRLLAGECFRGRKKMIRELKFWMVDFDPYNEDD   165
NTDB id 50 STRSA0001 RS07545 WP 002885610.1     LD.AVDRLVYDEQLNAFRNQLSSEDATKLDRLLAGECFRGRKKMIRELKFWMVDFDPYNEDD   165
NTDB id 44 SMU RS09085 WP 002263585.1           MQ.LDEYILFRDSLLAYKQGLSTEKQELFERLVAGEHFLGRQSMLKDLRKKLSDFKEK....   160
NTDB id 306369 DK878 RS00075 WP 002936602.1     LI.NDELLMLRGALRDYRKNLSNDQLDKYEKLISGQCFNGRREMIRDLQIHLKDFR......   156
NTDB id 457 SSUD9 RS00080 WP 002936602.1        LI.NDELLMLRGALRDYRKNLSNDQLDKYEKLISGQCFNGRREMIRDLQIHLKDFR......   156
NTDB id 461 GPW51 RS00080 WP 011921639.1        LI.NDELLMLRGALRDYRKNLSNDQLDKYEKLISGQCFNGRREMIRDLQIHLKDFR......   156
NTDB id 454 SSU RS00080 WP 011921639.1          LI.NDELLMLRGALRDYRKNLSNDQLDKYEKLISGQCFNGRREMIRDLQIHLKDFR......   156
NTDB id 424 SGO RS10430 WP 012130755.1          LY.LDELVAFRSAMSEYRSRLSPEEAKQYERLMADERFKGRKAMLKDLSYHLRDFNPRLD..   160
NTDB id 423 SGO RS08370 WP 012130755.1          LY.LDELVAFRSAMSEYRSRLSPEEAKQYERLMADERFKGRKAMLKDLSYHLRDFNPRLD..   160
NTDB id 141 SP RS10155 WP 000588925.1           LW.LDDYYLFHETLRDYRNKQSKEKQEELERVLSNERFRGRQRVLRDLRIVFKEFTIRTH..   159
NTDB id 140 SP RS00070 WP 000588925.1           LW.LDDYYLFHETLRDYRNKQSKEKQEELERVLSNERFRGRQRVLRDLRIVFKEFTIRTH..   159
NTDB id 252 KZH43 RS09050 WP 000588897.1        LW.LDDYYLFHETLRDYRNKQSKEKQEELERVLSNERFRGRQRVLRDLRIVFKEFTIRTH..   159
NTDB id 251 KZH43 RS09050 WP 000588897.1        LW.LDDYYLFHETLRDYRNKQSKEKQEELERVLSNERFRGRQRVLRDLRIVFKEFTIRTH..   159
NTDB id 211 SPD RS09675 WP 000588897.1          LW.LDDYYLFHETLRDYRNKQSKEKQEELERVLSNERFRGRQRVLRDLRIVFKEFTIRTH..   159
NTDB id 210 SPD RS00065 WP 000588897.1          LW.LDDYYLFHETLRDYRNKQSKEKQEELERVLSNERFRGRQRVLRDLRIVFKEFTIRTH..   159
NTDB id 177 SPR RS09210 WP 000588897.1          LW.LDDYYLFHETLRDYRNKQSKEKQEELERVLSNERFRGRQRVLRDLRIVFKEFTIRTH..   159
NTDB id 176 SPR RS00065 WP 000588897.1          LW.LDDYYLFHETLRDYRNKQSKEKQEELERVLSNERFRGRQRVLRDLRIVFKEFTIRTH..   159
NTDB id 489 SM12261 RS01070 WP 000471940.1      MW.LDEYYLFHETLRDYRNKQSKDKQEELERVLRHERFRGRQRVLRDLRIVFKEFDIRTH..   159
NTDB id 488 SM12261 RS00065 WP 000471939.1      MW.LDEYYLFHETLRDYRNKQSKDKQEELERVLRHERFRGRQRVLRDLRIVFKEFDIRTH..   159
NTDB id 516 SMSK321 RS09125 WP 000471944.1      LW.LDEYYLFHETLRDYRSKQSKDKQEELERVLRHERFRGRQRVLRDLRIVFKEFDIRTR..   159
NTDB id 517 SMSK321 RS10700 WP 000471945.1      LW.LDDYYLFHETLRDYRSKQSKDKQEELERVLRHERFRGRQRVLRDLRIVFKEFDIRTQ..   159
NTDB id 582 DLJ51 RS00505 WP 002962720.1        MD.TADYCALKEKLKELKQKLAPEDYAKILLLMRGGAFKGRSAFIKDIKVEFEDFDEDN...   207
NTDB id 554 STRINF RS00370 WP 115283725.1       FFEVEDYVAYQDSLACLRRTLGREDRLKLEKVIRGERFEGKKAFLKSIELYFSDFRP.....   158
NTDB id 450 SPYM18 RS08475 WP 011018214.1       LW.LDDYVAYQEVIASLENQLNSQERMQFKALIRGERFKGRRALLRKISPYFKEFAQQL...   183
NTDB id 449 SPYM18 RS01395 WP 011018214.1       LW.LDDYVAYQEVIASLENQLNSQERMQFKALIRGERFKGRRALLRKISPYFKEFAQQL...   183
NTDB id 442 SPYM3 RS08515 WP 011106595.1        LW.LDDYVAYQEVIASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...   183
NTDB id 441 SPYM3 RS01385 WP 011106595.1        LW.LDDYVAYQEVIASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...   183
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1   LW.LDDYVAYQEVIASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...   183
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1   LW.LDDYVAYQEVIASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...   183
consensus                                       ** ******* * ****** ** *  * ***** ***!*!** ******* ***!
```

X non conserved

X similar

X ≥ 50% conserved