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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 320 STU RS10340 WP 002949220.1        ..................................................MEQEVFVKAYEKVRPIVLKAFRQYFIQLWD   30
NTDB id 47 STER RS00925 WP 002949220.1        ..................................................MEQEVFVKAYEKVRPIVLKAFRQYFIQLWD   30
NTDB id 44 SMU RS09085 WP 002263585.1         ...................................................MEEDFEIVFNKVKPIVWKLSRYYFIKMWT   29
NTDB id 424 SGO RS10430 WP 012130755.1        ....................................................MKFEDVYKQVEGIVKRCYKDYYLHLWE   27
NTDB id 423 SGO RS08370 WP 012130755.1        ....................................................MKFEDVYKQVEGIVKRCYKDYYLHLWE   27
NTDB id 141 SP RS10155 WP 000588925.1         .....................................................MIKELYEEVQGTVYKCRNEYYLHLWE   26
NTDB id 140 SP RS00070 WP 000588925.1         .....................................................MIKELYEEVQGTVYKCRNEYYLHLWE   26
NTDB id 252 KZH43 RS09050 WP 000588897.1      .....................................................MIKELYEEVQGTVYKCRNEYYLHLWE   26
NTDB id 251 KZH43 RS09050 WP 000588897.1      .....................................................MIKELYEEVQGTVYKCRNEYYLHLWE   26
NTDB id 211 SPD RS09675 WP 000588897.1        .....................................................MIKELYEEVQGTVYKCRNEYYLHLWE   26
NTDB id 210 SPD RS00065 WP 000588897.1        .....................................................MIKELYEEVQGTVYKCRNEYYLHLWE   26
NTDB id 177 SPR RS09210 WP 000588897.1        .....................................................MIKELYEEVQGTVYKCRNEYYLHLWE   26
NTDB id 176 SPR RS00065 WP 000588897.1        .....................................................MIKELYEEVQGTVYKCRNEYYLHLWE   26
NTDB id 489 SM12261 RS01070 WP 000471940.1    .....................................................MFKELYEEVQGIVYKCRNEYYLHLWE   26
NTDB id 517 SMSK321 RS10700 WP 000471945.1    .....................................................MFKELYKEVQGIVYKSRNEYYLHLWE   26
NTDB id 516 SMSK321 RS09125 WP 000471944.1    .....................................................MFKELYKEVQGIVYKSRNEYYLHLWE   26
NTDB id 582 DLJ51 RS00505 WP 002962720.1      MDKEKLKEIFNKHSALPEEVEEFDDGMVKEVITAGLLFCLK.....EVLDMDDSSFVSAFSRVEKTVSKLAKDYYIKLWT   75
NTDB id 554 STRINF RS00370 WP 115283725.1     ....................................................MDFERYFQTVKPIILKLRRHYFVKLWD   27
NTDB id 1126897 FGK94 RS07660 WP 138083090.1  ...................................................MTDDLVRLFDKIKPIIMKLRRHYYIQLWE   29
NTDB id 450 SPYM18 RS08475 WP 011018214.1     ..........................MS..CCFFVVLFILGIVKKKRRLK.MSIETRAAFEKVKPIILKLKRHYYIQLWD   51
NTDB id 449 SPYM18 RS01395 WP 011018214.1     ..........................MS..CCFFVVLFILGIVKKKRRLK.MSIETRAAFEKVKPIILKLKRHYYIQLWD   51
NTDB id 442 SPYM3 RS08515 WP 011106595.1      ..........................MS..CCFFVVLFILGIVKKKRRLK.MSIETRAVFEKVKPIILKLKRHYYIQLWD   51
NTDB id 441 SPYM3 RS01385 WP 011106595.1      ..........................MS..CCFFVVLFILGIVKKKRRLK.MSIETRAVFEKVKPIILKLKRHYYIQLWD   51
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1 ..........................MS..CCFFVVLFILGIVKKKRRLK.MSIETRAAFEKVKPIILKLKRHYYIQLWD   51
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1 ..........................MS..CCFFVVLFILGIVKKKRRLK.MSIETRAAFEKVKPIILKLKRHYYIQLWD   51
consensus                                                                                                                  * ***** * *** * ***!****!*
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logo
NTDB id 320 STU RS10340 WP 002949220.1        QADMEQEAMMTLYQLLKKFPDLEKDDDKLRRYFKTKFRNRLNDEVRRQESVKRQANRQCYVEISDIAFCIPNKEL.DMVD   109
NTDB id 47 STER RS00925 WP 002949220.1        QADMEQEAMMTLYQLLKKFPDLEKDDDKLRRYFKTKFRNRLNDEVRRQESVKRQANRQCYVEISDIAFCIPNKEL.DMVD   109
NTDB id 44 SMU RS09085 WP 002263585.1         REDWQQEGMLILHQLLREHPELEEDDTKLYIYFKTRFSNYIKDVLRQQESQKRRFNRMSYEEVGEIEHCLSSGGM.QLDE   108
NTDB id 424 SGO RS10430 WP 012130755.1        YADWRQEGMLVLYELLKSHPNLLEDQPRLYRYFKTKFRNRIHDLIRRQESQKRKLDRQPYEEVSEIGHRLRMKEL.YLDE   106
NTDB id 423 SGO RS08370 WP 012130755.1        YADWRQEGMLVLYELLKSHPNLLEDQPRLYRYFKTKFRNRIHDLIRRQESQKRKLDRQPYEEVSEIGHRLRMKEL.YLDE   106
NTDB id 141 SP RS10155 WP 000588925.1         LSDWEQEGMLCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGL.WLDD   105
NTDB id 140 SP RS00070 WP 000588925.1         LSDWEQEGMLCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGL.WLDD   105
NTDB id 252 KZH43 RS09050 WP 000588897.1      LSDWDQEGMLCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGL.WLDD   105
NTDB id 251 KZH43 RS09050 WP 000588897.1      LSDWDQEGMLCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGL.WLDD   105
NTDB id 211 SPD RS09675 WP 000588897.1        LSDWDQEGMLCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGL.WLDD   105
NTDB id 210 SPD RS00065 WP 000588897.1        LSDWDQEGMLCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGL.WLDD   105
NTDB id 177 SPR RS09210 WP 000588897.1        LSDWDQEGMLCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGL.WLDD   105
NTDB id 176 SPR RS00065 WP 000588897.1        LSDWDQEGMLCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGL.WLDD   105
NTDB id 489 SM12261 RS01070 WP 000471940.1    LSDWDQEGMICLHELISREEELVEDIPRLRKYFKTKFRNRILDHIRKQESQKRRYDKEPYEEVGEISHRISEGGM.WLDE   105
NTDB id 517 SMSK321 RS10700 WP 000471945.1    LSDWDQEGMICLHELISREEELVEDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEAYEEVGEISHRIGEGGL.WLDD   105
NTDB id 516 SMSK321 RS09125 WP 000471944.1    LSDWDQEGMICLHELISKEEELAEDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKESYEEVGEISHRIGEGGL.WLDE   105
NTDB id 582 DLJ51 RS00505 WP 002962720.1      YDDWRQEARIILYQLLERFPDLANDEEKLRIYFKTKFRSYVLDNIRKQESQKRAFDRMIYEEISELGHMIPSQQM.DTAD   154
NTDB id 554 STRINF RS00370 WP 115283725.1     YEDWIQEGRIVFFQLLEEHPDLLNNEGKCYSYFKTKFSNHVKDIIRHQESFKRKFNRMPYEEISDISHCVPQVFFFEVED   107
NTDB id 1126897 FGK94 RS07660 WP 138083090.1 LDDWLQEGRLILYRLLVTYPELIEDEEKLYRYFKTKFSSYLKDVLRQQESQKRRFHKMAYEEIGSVGHAIPAGGL.GVDD   108
NTDB id 450 SPYM18 RS08475 WP 011018214.1     RDDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGL.WLDD   130
NTDB id 449 SPYM18 RS01395 WP 011018214.1     RDDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGL.WLDD   130
NTDB id 442 SPYM3 RS08515 WP 011106595.1      RDDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGL.WLDD   130
NTDB id 441 SPYM3 RS01385 WP 011106595.1      RDDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGL.WLDD   130
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1 RDDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGL.WLDD   130
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1 RDDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGL.WLDD   130
consensus                                     !**!!*** * *!* * **!*** *****!!!!*!**** ! *!*!!!*!!****  !*!**** ***  *** ****
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logo
NTDB id 320 STU RS10340 WP 002949220.1        RLAYDEQLNAFREQLSSEDSLKLDRLLGGECFRGRKKMIRELRFWMVDFDPCNEED   165
NTDB id 47 STER RS00925 WP 002949220.1        RLAYDEQLNAFREQLSSEDSLKLDRLLGGECFRGRKKMIRELRFWMVDFDPCNEED   165
NTDB id 44 SMU RS09085 WP 002263585.1         YILFRDSLLAYKQGLSTEKQELFERLVAGEHFLGRQSMLKDLRKKLSDFKEK....   160
NTDB id 424 SGO RS10430 WP 012130755.1        LVAFRSAMSEYRSRLSPEEAKQYERLMADERFKGRKAMLKDLSYHLRDFNPRLD..   160
NTDB id 423 SGO RS08370 WP 012130755.1        LVAFRSAMSEYRSRLSPEEAKQYERLMADERFKGRKAMLKDLSYHLRDFNPRLD..   160
NTDB id 141 SP RS10155 WP 000588925.1         YYLFHETLRDYRNKQSKEKQEELERVLSNERFRGRQRVLRDLRIVFKEFTIRTH..   159
NTDB id 140 SP RS00070 WP 000588925.1         YYLFHETLRDYRNKQSKEKQEELERVLSNERFRGRQRVLRDLRIVFKEFTIRTH..   159
NTDB id 252 KZH43 RS09050 WP 000588897.1      YYLFHETLRDYRNKQSKEKQEELERVLSNERFRGRQRVLRDLRIVFKEFTIRTH..   159
NTDB id 251 KZH43 RS09050 WP 000588897.1      YYLFHETLRDYRNKQSKEKQEELERVLSNERFRGRQRVLRDLRIVFKEFTIRTH..   159
NTDB id 211 SPD RS09675 WP 000588897.1        YYLFHETLRDYRNKQSKEKQEELERVLSNERFRGRQRVLRDLRIVFKEFTIRTH..   159
NTDB id 210 SPD RS00065 WP 000588897.1        YYLFHETLRDYRNKQSKEKQEELERVLSNERFRGRQRVLRDLRIVFKEFTIRTH..   159
NTDB id 177 SPR RS09210 WP 000588897.1        YYLFHETLRDYRNKQSKEKQEELERVLSNERFRGRQRVLRDLRIVFKEFTIRTH..   159
NTDB id 176 SPR RS00065 WP 000588897.1        YYLFHETLRDYRNKQSKEKQEELERVLSNERFRGRQRVLRDLRIVFKEFTIRTH..   159
NTDB id 489 SM12261 RS01070 WP 000471940.1    YYLFHETLRDYRNKQSKDKQEELERVLRHERFRGRQRVLRDLRIVFKEFDIRTH..   159
NTDB id 517 SMSK321 RS10700 WP 000471945.1    YYLFHETLRDYRSKQSKDKQEELERVLRHERFRGRQRVLRDLRIVFKEFDIRTQ..   159
NTDB id 516 SMSK321 RS09125 WP 000471944.1    YYLFHETLRDYRSKQSKDKQEELERVLRHERFRGRQRVLRDLRIVFKEFDIRTR..   159
NTDB id 582 DLJ51 RS00505 WP 002962720.1      YCALKEKLKELKQKLAPEDYAKILLLMRGGAFKGRSAFIKDIKVEFEDFDEDN...   207
NTDB id 554 STRINF RS00370 WP 115283725.1     YVAYQDSLACLRRTLGREDRLKLEKVIRGERFEGKKAFLKSIELYFSDFRP.....   158
NTDB id 1126897 FGK94 RS07660 WP 138083090.1 YVAYQLIVKEVEEQLTESELLQFRALIRGERFEGRRALLRKIGPYFQDFTGEK...   161
NTDB id 450 SPYM18 RS08475 WP 011018214.1     YVAYQEVIASLENQLNSQERMQFKALIRGERFKGRRALLRKISPYFKEFAQQL...   183
NTDB id 449 SPYM18 RS01395 WP 011018214.1     YVAYQEVIASLENQLNSQERMQFKALIRGERFKGRRALLRKISPYFKEFAQQL...   183
NTDB id 442 SPYM3 RS08515 WP 011106595.1      YVAYQEVIASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...   183
NTDB id 441 SPYM3 RS01385 WP 011106595.1      YVAYQEVIASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...   183
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1 YVAYQEVIASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...   183
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1 YVAYQEVIASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...   183
consensus                                     **** *********** **    *****  **!*!* ******** ***!   *
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X non conserved

X similar

X $\geq$ 50% conserved