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logo
NTDB id 616 LCA RS09740 WP 148664867.1          ..................................................................... 0
NTDB id 1333 RAOC RS05105 WP 004918078.1        ...............................MFLDFFLPNRCLKCNLIISSD.EIVCWACKSHINFTYN............ 37
NTDB id 109 BSU 35450 NP 391425.2               MSNEAGGGIHKLICLLCDSQFSQDVTWRALFLLK.PDEKVCYSCRSKLKKITGHICPLCGRPQSVHAVCRDCEVWRTRIR 79
NTDB id 1423 PG RS00735 WP 005875257.1          ...........MRKTANGTGRHIRLLIRK..VLDLFFPRYCPVCDSLLAETEIGVCPRCMVRM.PRYI.EGMQ......Y 59
NTDB id 594 KW2 RS12255 WP 244878749.1          ..................................................................... 0
NTDB id 175139 AYR62 RS17425 WP 235810879.1     ..................................................................... 0
NTDB id 278 KZH43 RS10085 WP 000649974.1        ...........MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKTE.LSTKCQDCQLWCKEGV 68
NTDB id 237 SPD RS10760 WP 000649974.1          ...........MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKTE.LSTKCQDCQLWCKEGV 68
NTDB id 203 SPR RS10245 WP 000649974.1          ...........MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKTE.LSTKCQDCQLWCKEGV 68
NTDB id 168 SP RS11270 WP 000649971.1           ...........MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKTE.LSTKCQDCQLWCKEGV 68
NTDB id 508 SM12261 RS09235 WP 000649953.1      ...........MKCLLCGQTMKAVLTFSSLLLLKNDASCLCLDCDSTFERIGEENCPNCMKTD.LSMKCQDCQLWCKEGV 68
NTDB id 536 SMSK321 RS0102865 WP 000649958.1    ...........MKCLLCGQTMKAVLTFSSLLLLRNDVSCLCLDCDSTFERIGEENCPNCMKTA.LSTQCQDCQFWCKEGV 68
consensus                                                 *******       ***  *****     **  ***   ** *  ** ***   **  * *** *
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logo
NTDB id 616 LCA RS09740 WP 148664867.1          ...................MQLYFQRYKGQGDYQLRLL...............FERDIRTRFPVK......PNVTYVPIPS 41
NTDB id 1333 RAOC RS05105 WP 004918078.1        .DFGGKGDFYQKVVLKFPVNKAFSLMKYEKKELSQDIIHALKYHSMERVGKVLAHWVSEN....MDLSHQGIDILTNIPL 112
NTDB id 109 BSU 35450 NP 391425.2               DSLLLRQNR.SVYTYNDMMKETLSRFKFRGDAEIINA...............FKS...DFSSTFSKVYPDKHFVLVPIPL 140
NTDB id 1423 PG RS00735 WP 005875257.1          ....GLDRL....NGDVYIDALYSLFIFKEDGGVRPMIHALKYGGYSEIGEMLGRMAGRSYPFLSKDY....DLIVPVPL 127
NTDB id 594 KW2 RS12255 WP 244878749.1          ...................MKDYFSLYKFMGDYRLH...............EVFDS....YFKNLSK.....KIPLVPIPV 38
NTDB id 175139 AYR62 RS17425 WP 235810879.1     ..................................................................... 0
NTDB id 278 KZH43 RS10085 WP 000649974.1        ....GVSHR.AIFTYNQAMKDFFSRYKFDGDFLLR...............KVFAS....FLSEELKKY..KEYQFVVIPL 122
NTDB id 237 SPD RS10760 WP 000649974.1          ....GVSHR.AIFTYNQAMKDFFSRYKFDGDFLLR...............KVFAS....FLSEELKKY..KEYQFVVIPL 122
NTDB id 203 SPR RS10245 WP 000649974.1          ....GVSHR.AIFTYNQAMKDFFSRYKFDGDFLLR...............KVFAS....FLSEELKKY..KEYQFVVIPL 122
NTDB id 168 SP RS11270 WP 000649971.1           ....EVSHR.AIFTYNQAMKDFFSRYKFDGDFLLR...............KVFAS....FLSEELKKY..KEYQFVVIPL 122
NTDB id 508 SM12261 RS09235 WP 000649953.1      ....EVSHR.AIFIYNQAMKDFFSRYKFDGDFLLR...............KVFAS....VLSEELKKY..KEYQFVVIPL 122
NTDB id 536 SMSK321 RS0102865 WP 000649958.1    ....EVSHR.AIFIYNQAMKDFFSRYKFDGDFLLR...............KVFAS....VLSEELKKY..KEYQFVVIPL 122
consensus                                          *  *  ** **  ****************                 *****      *  ** *  * * ** ***
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logo
NTDB id 616 LCA RS09740 WP 148664867.1          DEQHQQERGFNPVQGLFETC.....FPLTSLLKKR.PTEKGQAQKNRAERLA.SPQFFELIPQELPYKPQSIIILDDIYT 114
NTDB id 1333 RAOC RS05105 WP 004918078.1        HPKKQRERGYNQLHLFTKTLSQLQRIPYSHYLLKRNFYSKPQALKQKLDREK.MQNIFSVD...EKIEGKHILLIDDVYT 188
NTDB id 109 BSU 35450 NP 391425.2               SKEREEERGFNQAHLLAECLDRPSHHPLIRLNNE......KQSKKKKTERLL.SECIFDTK.N.NSAEGMNIILIDDLYT 211
NTDB id 1423 PG RS00735 WP 005875257.1          HPRKQRKRGYNQALLIAQGLSRVTGIPVQEGLRRK.VYTDSQTGQSYSERKSAMKGKFALSPN.TRVAGIRVLLVDDVLT 205
NTDB id 594 KW2 RS12255 WP 244878749.1          SPKRLQERGFNQVTAFLKD......RTYLDLLEKE..DTVRQSSLNREGRLS.TTNPFKLKEG..EKIPQKIILIDDIYT 107
NTDB id 175139 AYR62 RS17425 WP 235810879.1     ......................................................................MDDIYT 6
NTDB id 278 KZH43 RS10085 WP 000649974.1        SPDRYANRGFNQVEGLVEAA....GFEYLDLLEKR..EERASSSKNRSERLG.TELPFFIKSG..VTIPKKILLIDDIYT 193
NTDB id 237 SPD RS10760 WP 000649974.1          SPDRYANRGFNQVEGLVEAA....GFEYLDLLEKR..EERASSSKNRSERLG.TELPFFIKSG..VTIPKKILLIDDIYT 193
NTDB id 203 SPR RS10245 WP 000649974.1          SPDRYANRGFNQVEGLVEAA....GFEYLDLLEKR..EERASSSKNRSERLG.TELPFFIKSG..VTIPKKILLIDDIYT 193
NTDB id 168 SP RS11270 WP 000649971.1           SPDRYANRGFNQVEGLVEAA....GFEYLDLLEKR..EERASSSKNRSERLG.TELPFFIKSG..VTIPKKILLIDDIYT 193
NTDB id 508 SM12261 RS09235 WP 000649953.1      SPERLLERGFNQVEGLVEAA....GFAYLDLLEKR..EERASSSKSRSERLE.TEFPFFIKSG..VTIPKKILLIDDIYT 193
NTDB id 536 SMSK321 RS0102865 WP 000649958.1    SPERLLERGFNQVEGLVEAA....GFSFQELLEKR..EERASSSKNRSERLG.TELPFFIKRG..VTIPKKILLIDDIYT 193
consensus                                       ****   ****** *****     ** ********  **** *********  ** ** ** *    ********!!**!
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logo

NTDB id 616 LCA RS09740 WP 148664867.1          TGRTVWHAQQCLRANYPQATINAITLAR..............   142
NTDB id 1333 RAOC RS05105 WP 004918078.1        TGNTMSKAVWELLK.GNGNQVSVLVLAIDE............   217
NTDB id 109 BSU 35450 NP 391425.2               TGATLHFAARCLLEKGKAASVSSFTLIRS.............   240
NTDB id 1423 PG RS00735 WP 005875257.1          TGATVQAAAEPLAE.AFAAKIGVLVAAVTKRPSNWSHYSDER   246
NTDB id 594 KW2 RS12255 WP 244878749.1          TGTTFYHAIKTLKK.ANPIEITTFSLCR..............   134
NTDB id 175139 AYR62 RS17425 WP 235810879.1     TGTTIRFAAHLLAE.AGAAEVHGLTLAHG.............    34
NTDB id 278 KZH43 RS10085 WP 000649974.1        TGATINRVKKLLEE.AGAKDVKTFSLVR..............   220
NTDB id 237 SPD RS10760 WP 000649974.1          TGATINRVKKLLEE.AGAKDVKTFSLVR..............   220
NTDB id 203 SPR RS10245 WP 000649974.1          TGATINRVKKLLEE.AGAKDVKTFSLVR..............   220
NTDB id 168 SP RS11270 WP 000649971.1           TGATINRVKKLLEE.AGAKDVKTFSLVR..............   220
NTDB id 508 SM12261 RS09235 WP 000649953.1      TGTTINRVKKLLEE.AGAEDVKTFSLVR..............   220
NTDB id 536 SMSK321 RS0102865 WP 000649958.1    TGSTINRVKKLLEE.AGAEDVKTFSLVR..............   220
consensus                                       !! !***  **! * *** ** ******
```

X non conserved

X similar

X $\geq$ 50% conserved