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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 587 KW2 RS10850 WP 042211510.1        ....................MQTDILRLLRPKGKKLALIKQAKLIQLMGNLLNNGFNLGEVINFLALSKLVEKEFVFKM    59
NTDB id 430 SGO RS09415 WP 012130941.1        ................MISFLQQDISILSKQKQKKLGTSKQKQVIELFNNLFSSGFHLAETVDFLGRSALLEKNYVQQM    63
NTDB id 271 KZH43 RS09260 WP 074196785.1      ....................MDISQVFRLRRKKLATAKQKNIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQM    57
NTDB id 230 SPD RS09890 WP 074196785.1        ....................MDISQVFRLRRKKLATAKQKNIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQM    57
NTDB id 196 SPR RS09425 WP 074196785.1        ....................MDISQVFRLRRKKLATAKQKNIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQM    57
NTDB id 161 SP RS10375 WP 074196785.1         ....................MDISQVFRLRRKKLATAKQKNIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQM    57
NTDB id 529 SMSK321 RS09235 WP 080550783.1    ....................MDISQVFRLKRKKLATAKQKNIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQM    57
NTDB id 501 SM12261 RS00950 WP 004238896.1    ....................MDISQVFRLKRKKLATAKQKNIITLFNNLFSSGFHLVETISFLDRSALLDKQCVTQM    57
NTDB id 1140535 DQN21 RS00650 WP 231873059.1  MLKKTLKVTDQSAGIQKLKVLLKTDISQLNKQKSKKLPFKKQRKVIQLFNNLFESGFNLTEIVSFLRRSQLLLDIYVERM    80
NTDB id 395 FSA28 RS09400 WP 257638827.1      ...................MTFLQQDISLKEKHKQKKLKIKKQRKVIQLFNNLFTSGFNLTEIIDFLERSHLLAEIYTKKM    62
NTDB id 386 SMU RS09030 WP 255262721.1        ...................MTFLQQDISLKEKHKQKKLKIKKQRKVIQLFNNLFTSGFNLTEIIDFLERSHLLAEIYTKKM    62
consensus                                                                                *!!********!!!***!!***!*!**!!***!!*!*!***!!**!*!********!
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logo

NTDB id 587 KW2 RS10850 WP 042211510.1        HQGLSSGKSLSEILESLSFSKNVVTQLALVEVHGNLVGTMQLVELHLKKQLKVKKKLIEVATYPVVLLVFLIGIMWGLKN   139
NTDB id 430 SGO RS09415 WP 012130941.1        RQGLANGQAFSEIMASLGFSDAVVTQLSLAELHGNLSLALLKIEEYLDNLAKVKKKLIEVATYPMMLLGFLVLIMIGLRN   143
NTDB id 271 KZH43 RS09260 WP 074196785.1      RVGLSQGKSFSEMMESLGCSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLAKVKKKLIEVATYPLILLGFLLLIMLGLRN   137
NTDB id 230 SPD RS09890 WP 074196785.1        RVGLSQGKSFSEMMESLGCSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLAKVKKKLIEVATYPLILLGFLLLIMLGLRN   137
NTDB id 196 SPR RS09425 WP 074196785.1        RVGLSQGKSFSEMMESLGCSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLAKVKKKLIEVATYPLILLGFLLLIMLGLRN   137
NTDB id 161 SP RS10375 WP 074196785.1         RVGLSQGKSFSEMMESLGCSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLAKVKKKLIEVATYPLILLGFLLLIMLGLRN   137
NTDB id 529 SMSK321 RS09235 WP 080550783.1    RTDLSQGKSFSEMMESLGFSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLAKVKKKLIEVATYPLILLGFLLSIMLGLRN   137
NTDB id 501 SM12261 RS00950 WP 004238896.1    RAGLSQGKSFSEMMESLGFSSAIVTQLSLAEVHGNLHLSLGKIEEYLDNLAKVKKKLIEVATYPLILLGFLLLIMLGLRN   137
NTDB id 1140535 DQN21 RS00650 WP 231873059.1  QESLLNGASLATMMADLGFSDNIVTQIALADVHGNSQKSLLKIESYLSSMTVVRKKLIEVATYPLILLLFLILIMLGLKN   160
NTDB id 395 FSA28 RS09400 WP 257638827.1      RQGLLNGLHLAEIMSSLGFSDDVVTQLALSEVHGNTQKSLLKIESYLNNLILVKKKLVEVITYPIILLIFLVVIMLGLKN   142
NTDB id 386 SMU RS09030 WP 255262721.1        RQGLLNGLHLAEIMSSLGFSDDVVTQLALSEVHGNTQKSLLKIESYLNNLILVKKKLVEVITYPIILLIFLVVIMLGLKN   142
consensus                                     *  *!**!*********!**!***!!!**!***!!!********!**!*****!*!!!*!!*!!!**!!*!!**!!*!!*!
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NTDB id 587 KW2 RS10850 WP 042211510.1        YLLPQLDKGNNFATLLINHLPLVFFSVGALIVLLTSLSIIIFKHISALTNFTFLVKVPLVSSFIRLYLTAYFSREWGNLI   219
NTDB id 430 SGO RS09415 WP 012130941.1        YLLPQLSSQ.NFATQLIGHLPTIFLLTVLMLLGLTGAIYLVFKGQKRIPVYSFLARLPFVGSFVRIYLTAYYAREWGNMI   222
NTDB id 271 KZH43 RS09260 WP 074196785.1      YLLPQLDSS.NIATQIIGNLPQIFLGMVGLVSVLALLALTFYKRSSKMSVFSILARLPFIGIFVQTYLTAYYAREWGNMI   216
NTDB id 230 SPD RS09890 WP 074196785.1        YLLPQLDSS.NIATQIIGNLPQIFLGMVGLVSVLALLALTFYKRSSKMSVFSILARLPFIGIFVQTYLTAYYAREWGNMI   216
NTDB id 196 SPR RS09425 WP 074196785.1        YLLPQLDSS.NIATQIIGNLPQIFLGMVGLVSVLALLALTFYKRSSKMSVFSILARLPFIGIFVQTYLTAYYAREWGNMI   216
NTDB id 161 SP RS10375 WP 074196785.1         YLLPQLDSS.NIATQIIGNLPQIFLGMVGLVSVLALLALTFYKRSSKMSVFSILARLPFIGIFVQTYLTAYYAREWGNMI   216
NTDB id 529 SMSK321 RS09235 WP 080550783.1    YLLPQLDSS.NIATQIIGNLPQIFLGMVGLVSLLTLLALTFYKRSSKMRVFSILARIPFLGIFVQTYLTAYYAREWGNMI   216
NTDB id 501 SM12261 RS00950 WP 004238896.1    YLLPQLDSS.NIATQIIGNLPQIFLGMVGFVSVGVLLALTFYKRGSKMRVFSILARIPFLGIFVQTYLTAYYAREWGNMI   216
NTDB id 1140535 DQN21 RS00650 WP 231873059.1  YLLPQLESQ.NVATQIITHFPTIFLLSIFSIGVLLACATFYARRLSQIDLYSRISRIPLVGNYVRLYLTAYYAREWGNLI   239
NTDB id 395 FSA28 RS09400 WP 257638827.1      YLLPQLEKG.NFATRLISNFPILFLLGCCFFILLVGIFTFFSRKISRLHLIGFCSHLPFVGKYLQLYLTAYYAREWGNLI   221
NTDB id 386 SMU RS09030 WP 255262721.1        YLLPQLERG.NFATRLISNFPILFLLGCCFFILLVGIFTFFSRKISRLHLIGFCSHLPFAGKYLQLYLTAYYAREWGNLI   221
consensus                                     !!!!!!*** !*!!**!***!**!********** ********* *** ********!********!!!!!**!!!!!*!
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NTDB id 587 KW2 RS10850 WP 042211510.1          AQGVELRQIIELMKKQKSRIFAEVGIKLDLGLKAGQNFEQAVSHFSIFLPELSLMIEYGAIKDKLGLELSVYADECWEQF   299
NTDB id 430 SGO RS09415 WP 012130941.1          GQGLELSQIFQIMQEQRSVLFQEIGQDLGQALQNGQEFSDKIASYPFFKKELSLIIEYGEVKSKLGSELEIYALKTWEEF   302
NTDB id 271 KZH43 RS09260 WP 074196785.1        SQGMELTQIFQMMQEQGSQLFKEVGQDLAQTLKNGREFSQTIGTYPFFRKELSLIIEYGEVKSKLGSELEIYAEKTWEAF   296
NTDB id 230 SPD RS09890 WP 074196785.1          SQGMELTQIFQMMQEQGSQLFKEVGQDLAQTLKNGREFSQTIGTYPFFRKELSLIIEYGEVKSKLGSELEIYAEKTWEAF   296
NTDB id 196 SPR RS09425 WP 074196785.1          SQGMELTQIFQMMQEQGSQLFKEVGQDLAQTLKNGREFSQTIGTYPFFRKELSLIIEYGEVKSKLGSELEIYAEKTWEAF   296
NTDB id 161 SP RS10375 WP 074196785.1           SQGMELTQIFQMMQEQGSQLFKEVGQDLAQTLKNGREFSQTIGTYPFFRKELSLIIEYGEVKSKLGSELEIYAEKTWEAF   296
NTDB id 529 SMSK321 RS09235 WP 080550783.1     SQGMELTQIFQIMQEQGSQLFKEIGQDLAQSLQNGREFSQTIATYPFFKKELSLIIEYGEVKSKLGSELEIYAEKTWEAF   296
NTDB id 501 SM12261 RS00950 WP 004238896.1     SQGMELTQIFQIMQEQGSQLFKEIGQDMAHALQNGQEFSQTIGTYPFFKKELSLIIEYGEVKSKLGSELEIYAEKTWEAF   296
NTDB id 1140535 DQN21 RS00650 WP 231873059.1   GQGIELMAIVGIMQKQKSLLFQEIGKDMEEALLSGQAFHQKVLGYPFFLRELSLMIEYGEVKSKLGRELDIYAEETWQSF   319
NTDB id 395 FSA28 RS09400 WP 257638827.1       GQGVEMAQIVRLMQDQKSQLFREIGYDMEKALLSGQEFHQKVLDYPFFLKELSLMIEYGEVKSKLGNELEIYAEETWEHF   301
NTDB id 386 SMU RS09030 WP 255262721.1         GQGVEMAQIVRLMQDQKSQLFREIGYDMEKALLSGQEFHQKVLDYPFFLKELSLMIEYGEVKSKLGNELEIYAEETWEHF   301
consensus                                       *!!*!***!***!**!*!**!*!*!******! *!**!**********!**!!!!*!!!!**!*!!!*!!**!!***!**!
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NTDB id 587 KW2 RS10850 WP 042211510.1          FSKIDRLMQLIQPLIFIFVALMIVLLYAAMLLPIYSNMGSGI   341
NTDB id 430 SGO RS09415 WP 012130941.1          FGRVNRTMNLIQPLVFVFVALMIVLLYAAMLLPLYQNMEVHL   344
NTDB id 271 KZH43 RS09260 WP 074196785.1        FTRVNRTMNLVQPLVFIFVALIIVLLYAAMLMPMYQNMEVNF   338
NTDB id 230 SPD RS09890 WP 074196785.1          FTRVNRTMNLVQPLVFIFVALIIVLLYAAMLMPMYQNMEVNF   338
NTDB id 196 SPR RS09425 WP 074196785.1          FTRVNRTMNLVQPLVFIFVALIIVLLYAAMLMPMYQNMEVNF   338
NTDB id 161 SP RS10375 WP 074196785.1           FTRVNRTMNLVQPLVFIFVALIIVLLYAAMLMPMYQNMEVNF   338
NTDB id 529 SMSK321 RS09235 WP 080550783.1     FTRVNRTMNLVQPLVFIFVALIIVLLYAAMLMPMYQNMEVNF   338
NTDB id 501 SM12261 RS00950 WP 004238896.1     FTRVNRTMNLVQPLVFIFVALIIVLLYAAMLMPMYQNMEVNF   338
NTDB id 1140535 DQN21 RS00650 WP 231873059.1   FGKLTQATQLIQPLVFVFVALIIVLIYVAMLLPMYQNMGGNF   361
NTDB id 395 FSA28 RS09400 WP 257638827.1       FAKLKKATQFVQPLIFVFVAIVIVMIYAAMLLPIYQNMEVNL   343
NTDB id 386 SMU RS09030 WP 255262721.1         FAKLKKATQFVQPLIFVFVAIVIVMIYAAMLLPIYQNMEVNL   343
consensus                                       !**********!!!*!*!!!**!!**!*!!!*!*!*!!****
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X non conserved
X similar
X ≥ 50% conserved