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logo
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NTDB id 412 SMU RS09535 WP 002262393.1      ....MKSEIIAVGTEILTGQIVNTNSQFLSEKFAELGIDVYFQTAVGDNEERLLSVLKIAKERSDLIVLCGGLGPTEDDLTKQTL   81
NTDB id 170 SP RS09755 WP 000642718.1       ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEVRLLSLLEIASQRSSLVILTGGLGPTEDDLTKQTL   81
NTDB id 280 KZH43 RS08670 WP 000642700.1    ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEVRLLSLLEIASQRSSLVILTGGLGATEDDLTKQTL   81
NTDB id 205 SPR RS08830 WP 000642700.1      ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEVRLLSLLEIASQRSSLVILTGGLGATEDDLTKQTL   81
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NTDB id 538 SMSK321 RS11060 WP 000642686.1  ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEARLLSLLEIASQRSSLVILTGGLGPTEDDLTKQTL   81
NTDB id 510 SM12261 RS08320 WP 000642690.1  ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEARLLSLLEIASQRSSLVILTGGLGPTEDDLTKQTL   81
NTDB id 169783 KO07 RS07285 WP 003725960.1 ...MASAEIIAVGTELLLGQIVNSNAAFISQELAADGIYVYHHTVVGDNPTRLKEVIEIAENRSDILIFTGGLGPTEDDITKQIL   82
NTDB id 124 BSU 16930 NP 389575.2           MEFPKKAEIIAVGSELLLGQIANTNAQFISKQLAEIGVNVFYHTAVGDNPERLKQVIRIAEERSDFIIFSGGLGPTKDDLTKETI   85
consensus                                       ***!*!!!!*!*!*!!!*!*!**!*!***!**!**!***!*!!!!* !!******!**!!******!!!!*!*!!*!!***
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logo
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NTDB id 412 SMU RS09535 WP 002262393.1      AKFLKRELVFDKTAQERLDEFFASRPTSMRTPNNECQAQIIAGSQPLSNKTGLAVGGLLEADGVTYVVLPGPPSELKPMVNKELL   166
NTDB id 170 SP RS09755 WP 000642718.1       AKFLGKALVFDPQAQEKLDIFFTLRPDYARTPNNERQAQIVEGAIPLPNETGLAVGGKLEVDGVTYVVLPGPPSELKPMVLNQLL   166
NTDB id 280 KZH43 RS08670 WP 000642700.1    AKFLGKALVFDPQAQEKLDIFFALRPDYARTPNNERQAQIVEGAIPLPNETGLAVGGKLEVDGVTYVVLPGPPSELKPMVLNQLL   166
NTDB id 205 SPR RS08830 WP 000642700.1      AKFLGKALVFDPQAQEKLDIFFALRPDYARTPNNERQAQIVEGAIPLPNETGLAVGGKLEVDGVTYVVLPGPPSELKPMVLNQLL   166
NTDB id 239 SPD RS09270 WP 000642701.1      AKFLGKALVFDPQAQEKLDIFFALRPDYARTPNNERQVQIVEGAIPLPNETGLAVGGKLEVDGVTYVVLPGPPSELKPMVLNQLL   166
NTDB id 538 SMSK321 RS11060 WP 000642686.1  AKFLGKELVFDPQAQEKLDVFFAQRPDYARTPNNERQAQIVEGATPLPNETGLAVGGILEVDGVTYVVLPGPPSELKPMVLNQLL   166
NTDB id 510 SM12261 RS08320 WP 000642690.1  AKFLGKELVFDPQAQEKLDVFFAQRPDYARTPNNERQAQLVEGAIPLPNETGLAVGGILEVDGVTYVVLPGPPSELKPMVLNQLL   166
NTDB id 169783 KO07 RS07285 WP 003725960.1 AAHLQKQLVEDEYHMNKINEYFTSRN.RTMTENNKLQAVIIEDSIVLNNDFGFAAGMYLRENNHTYVLLPGPPSEMKPMFTSYAN   166
NTDB id 124 BSU 16930 NP 389575.2           ANTLGRPLVLNDEAFQSIEDYFKRTK.RTMSPNNRKQALVIEGSDVLANHFGMAPGMLTEHESRYYMLLPGPPSELRPMFENEAK   169
consensus                                   !**!** !!*************!* ********!!**!*********!*!**!*!*!*********!**!!!!!!!***!******
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logo
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NTDB id 169783 KO07 RS07285 WP 003725960.1 PLLLSESGDQNILESKIMRFFGIGESQLAADLNDLIVTQVNPTIATYAGDNEVVVRITATAKTKEEASRLVKETEEEILRR....   247
NTDB id 124 BSU 16930 NP 389575.2           PLLLKKMGSNEKIVSTVLRFFGIGESQLEADLEDIIDAQTNPTIAPLAADGEVTLRLTAKHADEKETERLLKETEAVILER....   250
consensus                                   !*!*    ******!***!!!!!!!!*!***!*!*!**!**!!*!**!***!!**!*********!*** ****!**!** ****
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logo
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NTDB id 280 KZH43 RS08670 WP 000642700.1     GISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTYSLEEKSRMLDIPAKNLEEHGV 332
NTDB id 205 SPR RS08830 WP 000642700.1       GISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTYSLEEKSRMLDIPAKNLEEHGV 332
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NTDB id 538 SMSK321 RS11060 WP 000642686.1   GLSLRDLCYGYGEEASLASIVVEELKKQGKTITAAESLTAGLFQATVADFSGASSIFKGGFVTYSLEEKSKMLDIPVKDLEEQGV 332
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NTDB id 169783 KO07 RS07285 WP 003725960.1   ...EGTFLYGYGE.VSLSELVTAMLLEKELTISAAESFTAGLFQAEIARFPGISKIFKGGMVTYSEETKQSILQVSPQVIKEKGV 328
NTDB id 124 BSU 16930 NP 389575.2            ...VGEFFYGYDD.TSLVKELSIACKEKGITISAAESFTGGLFSEWLTDHSGASKLFAGGVVCYTNDVKQNVLGVKKETLDRFGA 331
consensus                                    ********!*!****!!*************!!***!**!*!!****** *******!*!!**************** * ******

logo
NTDB id 462 GPW51 RS00385 WP 012774894.1     ..GWLS.EEADCIRQELQADLGLAVSVLIKPESTEDNVLAKVYLTLATPSGISQKEIDLGGYSWQYLRQLACLQAWDFVRNTL.. 393
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NTDB id 170 SP RS09755 WP 000642718.1        VSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEVIKVNIGGRSRADVRHIAVMHAFNLVRKALLS 417
NTDB id 280 KZH43 RS08670 WP 000642700.1     VSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEVIKVNIGGRSRADVRHIAVMHAFNLVRKALLS 417
NTDB id 205 SPR RS08830 WP 000642700.1       VSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEVIKVNIGGRSRADVRHIAVMHAFNLVRKALLS 417
NTDB id 239 SPD RS09270 WP 000642701.1       VSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEVIKVNIGGRSRADVRHIAVMHAFNLVRKALLS 417
NTDB id 538 SMSK321 RS11060 WP 000642686.1   VSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPAGTVFIGLAQEHGTKVIKVNIGGRSRADVRHIAVMHAFNLVRKALLS 417
NTDB id 510 SM12261 RS08320 WP 000642690.1   VSEFTAQKMAEQARIKTQSDFGLSLTGVAGPDSLEGHPAGTVFIGLAQEQGTEVIKVNIGGRSRADVRHIAVMHAFNLVRKALLS 417
NTDB id 169783 KO07 RS07285 WP 003725960.1   VSAECAKEMAENVSRLCKTDIGISFTGVAGPDSLEGHPAGTIWIGLSVKGYETEAFQFVYGRDRNHNRRRAVKQGFQLIKQFLDA 413
NTDB id 124 BSU 16930 NP 389575.2            VSKECASELAKGVQKLTGSDIGISFTGVAGPDAQEGHEPGHVFIGISANGKEE.VHEFHFAGSRTGIRKRGAKYGCHLILKLLEQ 415
consensus                                    *********!*********!**********!***!*****************************!**************!**

logo
NTDB id 462 GPW51 RS00385 WP 012774894.1     .....   393
NTDB id 412 SMU RS09535 WP 002262393.1       HKNLV   418
NTDB id 170 SP RS09755 WP 000642718.1        D....   418
NTDB id 280 KZH43 RS08670 WP 000642700.1     D....   418
NTDB id 205 SPR RS08830 WP 000642700.1       D....   418
NTDB id 239 SPD RS09270 WP 000642701.1       D....   418
NTDB id 538 SMSK321 RS11060 WP 000642686.1   D....   418
NTDB id 510 SM12261 RS08320 WP 000642690.1   D....   418
NTDB id 169783 KO07 RS07285 WP 003725960.1   N....   414
NTDB id 124 BSU 16930 NP 389575.2            K....   416
consensus                                    *
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X non conserved

X similar

X ≥ 50% conserved