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logo
NTDB id 124 BSU 16930 NP 389575.2          MEFPKKAEIIAVGSELLLGQIANTNAQFISKQLAEIGVNVFYHTAVGDNPERLKQVIRIAEERSDFIIFSGGLGPTKDDLTKETI   85
NTDB id 462 GPW51 RS00385 WP 012774894.1   ....MKAELIAVGTEILTGQIINTNAQFLSEKCAELGIDVYFHTAVGDNEGRLLSTLEVASKRSNMVVLCGGLGPTEDDLTKQTL   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
NTDB id 239 SPD RS09270 WP 000642701.1     ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEVRLLSLLEIASQRSSLVILTGGLGATEDDLTKQTL   81
NTDB id 510 SM12261 RS08320 WP 000642690.1 ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEARLLSLLEIASQRSSLVILTGGLGPTEDDLTKQTL   81
NTDB id 538 SMSK321 RS11060 WP 000642686.1 ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEARLLSLLEIASQRSSLVILTGGLGPTEDDLTKQTL   81
NTDB id 36220 GALLO RS11225 WP 009855166.1 ....MKAEIIAVGTEILTGQITNTNAQFLSEEFAKLGIDVFFQTAVGDNEERLLSVIDLASKRSELVVLCGGLGPTEDDLTKQTL   81
NTDB id 412 SMU RS09535 WP 002262393.1     ....MKSEIIAVGTEILTGQIVNTNSQFLSEKFAELGIDVYFQTAVGDNEERLLSVLKIAKERSDLIVLCGGLGPTEDDLTKQTL   81
consensus                                   *!*!*!!!!*!*!*!!!*!!!*!!*!***!**!**!***!!!!!! !!******!**!!*****!!!!*!*!!!!!*!*

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NTDB id 124 BSU 16930 NP 389575.2          ANTLGRPLVLNDEAFQSIEDYFK.RTKRTMSPNNRKQALVIEGSDVLANHFGMAPGMLTEHESRYYMLLPGPPSELRPMFENEAK   169
NTDB id 462 GPW51 RS00385 WP 012774894.1   ATFLGRNLVFDELAMAKLDRFFASRPGRVRTPNNERQAQIVEGSQALQNPAGLAVGGMIEQDGVTYIVLPGPPSELKAMFSESLL   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 510 SM12261 RS08320 WP 000642690.1 AKFLGKELVFDPQAQEKLDVFFAQRPDYARTPNNERQAQLVEGAIPLPNETGLAVGGILEVDGVTYVVLPGPPSELKPMVLNQLL   166
NTDB id 538 SMSK321 RS11060 WP 000642686.1 AKFLGKELVFDPQAQEKLDVFFAQRPDYARTPNNERQAQIVEGATPLPNETGLAVGGILEVDGVTYVVLPGPPSELKPMVLNQLL   166
NTDB id 36220 GALLO RS11225 WP 009855166.1 AKYLGRDLVFDEQANKRLDEFFATRPQFARTANNERQAQLIEGSIPLQNSTGLAVGGVLEVNDVTYVVLPGPPSELKPMVLDSLV   166
NTDB id 412 SMU RS09535 WP 002262393.1     AKFLKRELVFDKTAQERLDEFFASRPTSMRTPNNECQAQIIAGSQPLSNKTGLAVGGLLEADGVTYVVLPGPPSELKPMVNKELL   166
consensus                                  !**!** !!****!*******!* !*******!!**!*****!***!*!**!*!*!***!*****!**!!!!!!!**!******

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NTDB id 124 BSU 16930 NP 389575.2          PLLLKKMGSNEKIVSTVLRFFGIGESQLEADLEDIIDAQTNPTIAPLAADGEVTLRLTAKHADEKETERLLKETEAVILE.....   249
NTDB id 462 GPW51 RS00385 WP 012774894.1   PLL...SQSQQQLYSRVLRFFGIGESQLVTVLADVIDKQTDPTLAPYAKVGEVTLRLSTKATSQEEANLRLNQLEEDILQHD...   245
NTDB id 170 SP RS09755 WP 000642718.1      PKL...MT.GSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQALDILENQILDCQTFE   247
NTDB id 280 KZH43 RS08670 WP 000642700.1   PKL...MT.GSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQALDILENQILDCQTFE   247
NTDB id 205 SPR RS08830 WP 000642700.1     PKL...MT.GSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQALDILENQILDCQTFE   247
NTDB id 239 SPD RS09270 WP 000642701.1     PKL...MT.GSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQALDILENQILDCQTFE   247
NTDB id 510 SM12261 RS08320 WP 000642690.1 PKL...MT.GSKLHSRVLRFFGIGESQLVTILSDLIDNQTDPTLAPYAKTGEVTLRLSTKASSQEEANQVLDILENQILGRQTFE   247
NTDB id 538 SMSK321 RS11060 WP 000642686.1 PKL...MT.GSKLYSRVLRFFGIGESQLVTILSDLIDNQTDPTLAPYAKTGEVTLRLSTKASSQEEANQVLDILENQILGRQTFE   247
NTDB id 36220 GALLO RS11225 WP 009855166.1 PLL...SGDHKQLYSRVLRFFGIGESQLVTVLTDLIDNQTDPTIAPYAKTGEVTLRLSTKADDVASAKAKLDALEHKILAKKTLN   248
NTDB id 412 SMU RS09535 WP 002262393.1     PYL...SKTSEKLYSRVLRFFGIGESHLVTLLHDLIAEQTDPTIAPYAKTGEVTIRLSTKAHRQKEADSKLDKLEKKIITID...   245
consensus                                  !*!    ** *****!*!!!!!!!!!!!*!***!*!*!**!**!!*!!!*!**!!!!*!!!**!******** !***!**!** ****
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logo
                                                  GISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVADFSGYSSIFKGGFVTYSLEEKSRMLDIPAKNLEEHGV
NTDB id 124 BSU 16930 NP 389575.2                 ..RVGEFFYGYDD.TSLVKELSIACKEKGITISAAESFTGGLFSEWLTDHSGASKLFAGGVVCYTNDVKQNVLGVKKETLDRFGA   331
NTDB id 462 GPW51 RS00385 WP 012774894.1          ..KLADYFYAYGEDNSLVKTVATRLAEKRQTIAIVEQGTGGLLQAELSLALADQPYFSGGKVVGQLGIES................   313
NTDB id 170 SP RS09755 WP 000642718.1             GISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFKGGFVTYSLEEKSRMLDIPAKNLEEHGV   332
NTDB id 280 KZH43 RS08670 WP 000642700.1          GISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTYSLEEKSRMLDIPAKNLEEHGV   332
NTDB id 205 SPR RS08830 WP 000642700.1            GISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTYSLEEKSRMLDIPAKNLEEHGV   332
NTDB id 239 SPD RS09270 WP 000642701.1            GISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTYSLEEKSRMLDIPAKNLEEHGV   332
NTDB id 510 SM12261 RS08320 WP 000642690.1        GLSLRDLCYGYGEETSLASIVVEELKRQGKTITSAESLTAGLFQARVADFSGASSIFKGGFVTYSLEEKSKMLDIPVKDLEEQGV   332
NTDB id 538 SMSK321 RS11060 WP 000642686.1        GLSLRDLCYGYGEEASLASIVVEELKKQGKTITAAESLTAGLFQATVADFSGASSIFKGGFVTYSLEEKSKMLDIPVKDLEEQGV   332
NTDB id 36220 GALLO RS11225 WP 009855166.1        SIPLEQLFYGYGDDNSMARVVFDLLKEKHKTITAAESLTAGLFQSSIADFSGSSAVFNGGFVTYSIEEKSKMLHIPLEDLQEHGV   333
NTDB id 412 SMU RS09535 WP 002262393.1            ..NLADYFYGYGEENSLPQVVFDLLKEKGKTITAAESLTAGLFQARLADFAGASDIFKGGFITYSIEEKARMLGIPFEDLQLHGV   328
consensus                                         ********!*!****!**************!!***!**!*!!********** ***! !!**************** * ******

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                                                  VSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEVIKVNIGGRSRADVRHIAVMHAFNLVRKALLS
NTDB id 124 BSU 16930 NP 389575.2                 VSKECASELAKGVQKLTGSDIGISFTGVAGPDAQEGHEPCHVFIGISANGKEEVHEFHFAGS.RTGIRKRGAKYGCHLILKLLEQ   415
NTDB id 462 GPW51 RS00385 WP 012774894.1          ..GWLS.EEADCIRQELQADLGLAVSVLIKPESTEDNVLAKVYLTLATPSGISQKEIDLGGYSWQYLRQLACLQAWDFVRNTL..   393
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 510 SM12261 RS08320 WP 000642690.1        VSEFTAQKMAEQARIKTQSDFGLSLTGVAGPDSLEGHPAGTVFIGLAQEQGTEVIKVNIGGRSRADVRHIAVMHAFNLVRKALLS   417
NTDB id 538 SMSK321 RS11060 WP 000642686.1        VSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPAGTVFIGLAQEHGTKVIKVNIGGRSRADVRHIAVMHAFNLVRKALLS   417
NTDB id 36220 GALLO RS11225 WP 009855166.1        VSHFTAEKMAEQSRLLTDADFGIGLTGVAGPDSLEGHPAGTVFIGIATREKVHSIRVVIGGRSRSDVRYIATLYAFNLVRQALLQ   418
NTDB id 412 SMU RS09535 WP 002262393.1            VSAFTAEKMAERSRQLTQADLAISLTGVAGPDSLEGQPAGTVFIGLSSSKRTMAIKVLIGGRSRSDVRYIAVLHAFNLVRQTLLS   413
consensus                                         *********!*********!**********!***!******!*******************!******!**************!**

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                                                  D
                                                  HKNLV
NTDB id 124 BSU 16930 NP 389575.2                 K....   416
NTDB id 462 GPW51 RS00385 WP 012774894.1          .....   393
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 510 SM12261 RS08320 WP 000642690.1        D....   418
NTDB id 538 SMSK321 RS11060 WP 000642686.1        D....   418
NTDB id 36220 GALLO RS11225 WP 009855166.1        G....   419
NTDB id 412 SMU RS09535 WP 002262393.1            HKNLV   418
consensus                                         *
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X non conserved

X similar

X $\geq$ 50% conserved