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logo
NTDB id 124 BSU 16930 NP 389575.2          MEFPKKAEIIAVGSELLLGQIANTNAQFISKQLAEIGVNVFYHTAVGDNPERLKQVIRIAEERSDFIIFSGGLGPTKDDLTKETI   85
NTDB id 59287 LP16 RS09135 WP 003646118.1  ....MQAEIIAVGTEILLGQITNTNSTYIARGLAELGIDSYYQTVVGDNRQRLSTVIEIAAQRNDLVILTGGLGPTKDDLTKQTL   81
NTDB id 462 GPW51 RS00385 WP 012774894.1   ....MKAELIAVGTEILTGQIINTNAQFLSEKCAELGIDVYFHTAVGDNEGRLLSTLEVASKRSNMVVLCGGLGPTEDDLTKQTL   81
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
NTDB id 239 SPD RS09270 WP 000642701.1     ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEVRLLSLLEIASQRSSLVILTGGLGATEDDLTKQTL   81
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NTDB id 510 SM12261 RS08320 WP 000642690.1 ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEARLLSLLEIASQRSSLVILTGGLGPTEDDLTKQTL   81
consensus                                   ***!*!!!!*!*!*!!!*!!!*******!!*!******!*!!!!* !!******!**!******!!!!*!*!!!!!*!*

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NTDB id 124 BSU 16930 NP 389575.2          ANTLGRPLVLNDEAFQSIEDYFKRT.KRTMSPNNRKQALVIEGSDVLANHFGMAPGMLTEHE.SRYYMLLPGPPSELRPMFENEA   168
NTDB id 59287 LP16 RS09135 WP 003646118.1  AHYLNVALVEDQAAMQKITAWFATND.KVMTANNRLQALYPAGAQPLTNHNGMAVGAFYQSENSADFLLLPGPPRELAVMFDSEA   165
NTDB id 462 GPW51 RS00385 WP 012774894.1   ATFLGRNLVFDELAMAKLDRFFASRPGRVRTPNNERQAQIVEGSQALQNPAGLAVGGMIEQD.GVTYIVLPGPPSELKAMFSESL   165
NTDB id 412 SMU RS09535 WP 002262393.1     AKFLKRELVFDKTAQERLDEFFASRPTSMRTPNNECQAQIIAGSQPLSNKTGLAVGGLLEAD.GVTYVVLPGPPSELKPMVNKEL   165
NTDB id 170 SP RS09755 WP 000642718.1      AKFLGKALVFDPQAQEKLDIFFTLRPDYARTPNNERQAQIVEGAIPLPNETGLAVGGKLEVD.GVTYVVLPGPPSELKPMVLNQL   165
NTDB id 280 KZH43 RS08670 WP 000642700.1   AKFLGKALVFDPQAQEKLDIFFALRPDYARTPNNERQAQIVEGAIPLPNETGLAVGGKLEVD.GVTYVVLPGPPSELKPMVLNQL   165
NTDB id 205 SPR RS08830 WP 000642700.1     AKFLGKALVFDPQAQEKLDIFFALRPDYARTPNNERQAQIVEGAIPLPNETGLAVGGKLEVD.GVTYVVLPGPPSELKPMVLNQL   165
NTDB id 239 SPD RS09270 WP 000642701.1     AKFLGKALVFDPQAQEKLDIFFALRPDYARTPNNERQVQIVEGAIPLPNETGLAVGGKLEVD.GVTYVVLPGPPSELKPMVLNQL   165
NTDB id 538 SMSK321 RS11060 WP 000642686.1 AKFLGKELVFDPQAQEKLDVFFAQRPDYARTPNNERQAQIVEGATPLPNETGLAVGGILEVD.GVTYVVLPGPPSELKPMVLNQL   165
NTDB id 510 SM12261 RS08320 WP 000642690.1 AKFLGKELVFDPQAQEKLDVFFAQRPDYARTPNNERQAQLVEGAIPLPNETGLAVGGILEVD.GVTYVVLPGPPSELKPMVLNQL   165
consensus                                  !**!***!!****!******!* ********!!**!*****!***!*!**!*!*!****** ******!!!!!*!!**!*****

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NTDB id 124 BSU 16930 NP 389575.2          KPLLLKKMGSNEKIVSTVLRFFGIGESQLEADLEDIIDAQTNPTIAPLAADGEVTLRLTAKHADEKETERLLKETEAVILE....   249
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NTDB id 462 GPW51 RS00385 WP 012774894.1   LPLLSQ...SQQQLYSRVLRFFGIGESQLVTVLADVIDKQTDPTLAPYAKVGEVTLRLSTKATSQEEANLRLNQLEEDILQHD..   245
NTDB id 412 SMU RS09535 WP 002262393.1     LPYLSK...TSEKLYSRVLRFFGIGESHLVTLLHDLIAEQTDPTIAPYAKTGEVTIRLSTKAHRQKEADSKLDKLEKKIITID..   245
NTDB id 170 SP RS09755 WP 000642718.1      LPKLM....TGSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQALDILENQILDCQTF   246
NTDB id 280 KZH43 RS08670 WP 000642700.1   LPKLM....TGSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQALDILENQILDCQTF   246
NTDB id 205 SPR RS08830 WP 000642700.1     LPKLM....TGSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQALDILENQILDCQTF   246
NTDB id 239 SPD RS09270 WP 000642701.1     LPKLM....TGSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQALDILENQILDCQTF   246
NTDB id 538 SMSK321 RS11060 WP 000642686.1 LPKLM....TGSKLYSRVLRFFGIGESQLVTILSDLIDNQTDPTLAPYAKTGEVTLRLSTKASSQEEANQVLDILENQILGRQTF   246
NTDB id 510 SM12261 RS08320 WP 000642690.1 LPKLM....TGSKLHSRVLRFFGIGESQLVTILSDLIDNQTDPTLAPYAKTGEVTLRLSTKASSQEEANQVLDILENQILGRQTF   246
consensus                                  *!*!*    ******!*!*!!*!!*!!*!***!***!**!***!*!!*!***!!!*!!************ *******!** ***
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logo
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NTDB id 59287 LP16 RS09135 WP 003646118.1  ...TIGPYFYGYGDDNSLVTTVINQMIAAKLSITAAESLTAGLFQSTIGSVSGVSAIFPGGFVTYANEAKHQLVNVPQAIIDAEG   328
NTDB id 462 GPW51 RS00385 WP 012774894.1   ...KLADYFYAYGEDNSLVKTVATRLAEKRQTIAIVEQGTGGLLQAELSLALADQPYFSGGKVVGQLGIES..............   313
NTDB id 412 SMU RS09535 WP 002262393.1     ...NLADYFYGYGEENSLPQVVFDLLKEKGKTITAAESLTAGLFQARLADFAGASDIFKGGFITYSIEEKARMLGIPFEDLQLHG   327
NTDB id 170 SP RS09755 WP 000642718.1      EGISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFKGGFVTYSLEEKSRMLDIPAKNLEEHG   331
NTDB id 280 KZH43 RS08670 WP 000642700.1   EGISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTYSLEEKSRMLDIPAKNLEEHG   331
NTDB id 205 SPR RS08830 WP 000642700.1     EGISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTYSLEEKSRMLDIPAKNLEEHG   331
NTDB id 239 SPD RS09270 WP 000642701.1     EGISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTYSLEEKSRMLDIPAKNLEEHG   331
NTDB id 538 SMSK321 RS11060 WP 000642686.1 EGLSLRDLCYGYGEEASLASIVVEELKKQGKTITAAESLTAGLFQATVADFSGASSIFKGGFVTYSLEEKSKMLDIPVKDLEEQG   331
NTDB id 510 SM12261 RS08320 WP 000642690.1 EGLSLRDLCYGYGEETSLASIVVEELKRQGKTITSAESLTAGLFQARVADFSGASSIFKGGFVTYSLEEKSKMLDIPVKDLEEQG   331
consensus                                  ********!*!****!!**************!***!**!*!!****** *******! !!***************** * *****

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NTDB id 124 BSU 16930 NP 389575.2          AVSKECASELAKGVQKLTGSDIGISFTGVAGPDAQEGHEPGHVFIGISANGK.EEVHEFHFAGSRTGIRKRGAKYGCHLILKLLE   414
NTDB id 59287 LP16 RS09135 WP 003646118.1  VVSEATAKAMASGAKQQLNTDVGISFTGVAGPGTLEGQPAGTVWIGLAYRDRPVKAKQYHFAGNRQQIRERSVMAGLDLLRHALN   413
NTDB id 462 GPW51 RS00385 WP 012774894.1   ...GWLS.EEADCIRQELQADLGLAVSVLIKPESTEDNVLAKVYLTLATPSGISQKEIDLGGYSWQYLRQLACLQAWDFVRNTL.   393
NTDB id 412 SMU RS09535 WP 002262393.1     VVSAFTAEKMAERSRQLTQADLAISLTGVAGPDSLEGQPAGTVFIGLSSSKRTMAIKVLIGGRSRSDVRYIAVLHAFNLVRQTLL   412
NTDB id 170 SP RS09755 WP 000642718.1      VVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEVIKVNIGGRSRADVRHIAVMHAFNLVRKALL   416
NTDB id 280 KZH43 RS08670 WP 000642700.1   VVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEVIKVNIGGRSRADVRHIAVMHAFNLVRKALL   416
NTDB id 205 SPR RS08830 WP 000642700.1     VVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEVIKVNIGGRSRADVRHIAVMHAFNLVRKALL   416
NTDB id 239 SPD RS09270 WP 000642701.1     VVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEVIKVNIGGRSRADVRHIAVMHAFNLVRKALL   416
NTDB id 538 SMSK321 RS11060 WP 000642686.1 VVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPAGTVFIGLAQEHGTKVIKVNIGGRSRADVRHIAVMHAFNLVRKALL   416
NTDB id 510 SM12261 RS08320 WP 000642690.1 VVSEFTAQKMAEQARIKTQSDFGLSLTGVAGPDSLEGHPAGTVFIGLAQEQGTEVIKVNIGGRSRADVRHIAVMHAFNLVRKALL   416
consensus                                  **********!*********!**********!***!******!**********************!**************!*

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NTDB id 124 BSU 16930 NP 389575.2          QK.....   416
NTDB id 59287 LP16 RS09135 WP 003646118.1  EDTDLKK   420
NTDB id 462 GPW51 RS00385 WP 012774894.1   .......   393
NTDB id 412 SMU RS09535 WP 002262393.1     SHKNLV.   418
NTDB id 170 SP RS09755 WP 000642718.1      SD.....   418
NTDB id 280 KZH43 RS08670 WP 000642700.1   SD.....   418
NTDB id 205 SPR RS08830 WP 000642700.1     SD.....   418
NTDB id 239 SPD RS09270 WP 000642701.1     SD.....   418
NTDB id 538 SMSK321 RS11060 WP 000642686.1 SD.....   418
NTDB id 510 SM12261 RS08320 WP 000642690.1 SD.....   418
consensus                                  **
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X non conserved

X similar

X $\geq$ 50% conserved