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NTDB id 115330 BAMY6614 RS11930 WP 021493669.1  MEIAKKAEIIAVGSELLLGQIANTNAQFISKELAEIGVNVFYHTAVGDNPERLKQVIRIAEERSDLIIFSGGLGPTKDDL  80
NTDB id 124 BSU 16930 NP 389575.2               MEFPKKAEIIAVGSELLLGQIANTNAQFISKQLAEIGVNVFYHTAVGDNPERLKQVIRIAEERSDFIIFSGGLGPTKDDL  80
NTDB id 462 GPW51 RS00385 WP 012774894.1        ....MKAELIAVGTEILTGQIINTNAQFLSEKCAELGIDVYFHTAVGDNEGRLLSTLEVASKRSNMVVLCGGLGPTEDDL  76
NTDB id 412 SMU RS09535 WP 002262393.1          ....MKSEIIAVGTEILTGQIVNTNSQFLSEKFAELGIDVYFQTAVGDNEERLLSVLKIAKERSDLIVLCGGLGPTEDDL  76
NTDB id 170 SP RS09755 WP 000642718.1           ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEVRLLSLLEIASQRSSLVILTGGLGPTEDDL  76
NTDB id 280 KZH43 RS08670 WP 000642700.1        ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEVRLLSLLEIASQRSSLVILTGGLGATEDDL  76
NTDB id 205 SPR RS08830 WP 000642700.1          ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEVRLLSLLEIASQRSSLVILTGGLGATEDDL  76
NTDB id 239 SPD RS09270 WP 000642701.1          ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEVRLLSLLEIASQRSSLVILTGGLGATEDDL  76
NTDB id 510 SM12261 RS08320 WP 000642690.1      ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEARLLSLLEIASQRSSLVILTGGLGPTEDDL  76
NTDB id 538 SMSK321 RS11060 WP 000642686.1      ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEARLLSLLEIASQRSSLVILTGGLGPTEDDL  76
consensus                                           *!*!*!!!!*!*!*!!!*!!!*!!*!***!!*!**!***!!!!!!*  !!*******!**!!******!!!!*!*!!!
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NTDB id 115330 BAMY6614 RS11930 WP 021493669.1  TKETIANTLGRPLVLNDEAFRSIEEYFVK.TKRTMSPNNRKQALVIEGSDVLANHFGMAPGMLAEHGSRLYMLLPGPPSE  159
NTDB id 124 BSU 16930 NP 389575.2               TKETIANTLGRPLVLNDEAFQSIEDYFKR.TKRTMSPNNRKQALVIEGSDVLANHFGMAPGMLTEHESRYYMLLPGPPSE  159
NTDB id 462 GPW51 RS00385 WP 012774894.1        TKQTLATFLGRNLVFDELAMAKLDRFFASRPGRVRTPNNERQAAQIVEGSQALQNPAGLAVGGMIEQDGVTYIVLPGPPSE  156
NTDB id 412 SMU RS09535 WP 002262393.1          TKQTLAKFLKRELVFDKTAQERLDEFFASRPTSMRTPNNECQAAQIIAGSQPLSNKTGLAVGGLLEADGVTYVVLPGPPSE  156
NTDB id 170 SP RS09755 WP 000642718.1           TKQTLAKFLGKALVFDPQAQEKLDIFFTLRPDYARTPNNERQAAQIVEGAIPLPNETGLAVGGKLEVDGVTYVVLPGPPSE  156
NTDB id 280 KZH43 RS08670 WP 000642700.1        TKQTLAKFLGKALVFDPQAQEKLDIFFALRPDYARTPNNERQAAQIVEGAIPLPNETGLAVGGKLEVDGVTYVVLPGPPSE  156
NTDB id 205 SPR RS08830 WP 000642700.1          TKQTLAKFLGKALVFDPQAQEKLDIFFALRPDYARTPNNERQAAQIVEGAIPLPNETGLAVGGKLEVDGVTYVVLPGPPSE  156
NTDB id 239 SPD RS09270 WP 000642701.1          TKQTLAKFLGKALVFDPQAQEKLDIFFALRPDYARTPNNERQVQIVEGAIPLPNETGLAVGGKLEVDGVTYVVLPGPPSE  156
NTDB id 510 SM12261 RS08320 WP 000642690.1      TKQTLAKFLGKELVFDPQAQEKLDVFFAQRPDYARTPNNERQAAQLVEGAIPLPNETGLAVGGILEVDGVTYVVLPGPPSE  156
NTDB id 538 SMSK321 RS11060 WP 000642686.1      TKQTLAKFLGKELVFDPQAQEKLDVFFAQRPDYARTPNNERQAAQIVEGATPLPNETGLAVGGILEVDGVTYVVLPGPPSE  156
consensus                                       !!*!*!**!** !!****!*******!* ********!!!**!*****!***!*!**!*!*!***!*****!**!!!!!!!
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NTDB id 115330 BAMY6614 RS11930 WP 021493669.1  LCPMFENEAKPLLLKKLGSNEKIVSTVLRFFGIGESQLEADLEDIIDAQTNPTIAPLAADGEVTLRLTAKHADEKETERL  239
NTDB id 124 BSU 16930 NP 389575.2               LRPMFENEAKPLLLKKMGSNEKIVSTVLRFFGIGESQLEADLEDIIDAQTNPTIAPLAADGEVTLRLTAKHADEKETERL  239
NTDB id 462 GPW51 RS00385 WP 012774894.1        LKAMFSESLLPLLS...QSQQQLYSRVLRFFGIGESQLVTVLADVIDKQTDPTLAPYAKVGEVTLRLSTKATSQEEANLR  233
NTDB id 412 SMU RS09535 WP 002262393.1          LKPMVNKELLPYLS...KTSEKLYSRVLRFFGIGESHLVTLLHDLIAEQTDPTIAPYAKTGEVTIRLSTKAHRQKEADSK  233
NTDB id 170 SP RS09755 WP 000642718.1           LKPMVLNQLLPKLM....TGSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQA  232
NTDB id 280 KZH43 RS08670 WP 000642700.1        LKPMVLNQLLPKLM....TGSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQA  232
NTDB id 205 SPR RS08830 WP 000642700.1          LKPMVLNQLLPKLM....TGSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQA  232
NTDB id 239 SPD RS09270 WP 000642701.1          LKPMVLNQLLPKLM....TGSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQA  232
NTDB id 510 SM12261 RS08320 WP 000642690.1      LKPMVLNQLLPKLM....TGSKLHSRVLRFFGIGESQLVTILSDLIDNQTDPTLAPYAKTGEVTLRLSTKASSQEEANQV  232
NTDB id 538 SMSK321 RS11060 WP 000642686.1      LKPMVLNQLLPKLM....TGSKLYSRVLRFFGIGESQLVTILSDLIDNQTDPTLAPYAKTGEVTLRLSTKASSQEEANQV  232
consensus                                       !**!******!*!*     ******!*!!!!!!!!!!!*!***!*!*!**!**!!*!!*!**!!!!*!!**!*****!***
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NTDB id 115330 BAMY6614 RS11930 WP 021493669.1  LKETEAAILE.......RVGEFFYGYDD.TSLVKELSKACRQNKITISSAESFTGGLFSEWVTDLSGASQLFAGGVVCYS  311
NTDB id 124 BSU 16930 NP 389575.2               LKETEAVILE.......RVGEFFYGYDD.TSLVKELSIACKEKGITISAAESFTGGLFSEWITDHSGASKLFAGGVVCYT  311
NTDB id 462 GPW51 RS00385 WP 012774894.1        LNQLEEDILQHD.....KLADYFYAYGEDNSLVKTVATRLAEKRQTIAIVEQGTGGLLQAELSLALADQPYFSGGKVVGQ  308
NTDB id 412 SMU RS09535 WP 002262393.1          LDKLEKKITTID.....NLADYFYGYGEENSLPQVVFDLLKEKGKTITAAESLTAGLFQARLADFAGASDIFKGGFITYS  308
NTDB id 170 SP RS09755 WP 000642718.1           LDILENQILDCQTFEGISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFKGGFVTYS  312
NTDB id 280 KZH43 RS08670 WP 000642700.1        LDILENQILDCQTFEGISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTYS  312
NTDB id 205 SPR RS08830 WP 000642700.1          LDILENQILDCQTFEGISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTYS  312
NTDB id 239 SPD RS09270 WP 000642701.1          LDILENQILDCQTFEGISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTYS  312
NTDB id 510 SM12261 RS08320 WP 000642690.1      LDILENQILGRQTFEGLSLRDLCYGYGEETSLASIVVEELKRQGKTITSAESLTAGLFQARVADFSGASSIFKGGFVTYS  312
NTDB id 538 SMSK321 RS11060 WP 000642686.1      LDILENQILGRQTFEGLSLRDLCYGYGEEASLASIVVEELKKQGKTITAAESLTAGLFQATVADFSGASSIFKGGFVTYS  312
consensus                                       !***!**!** ************!*!****!!**************!!***!**!*!!**************! !!*****
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NTDB id 115330 BAMY6614 RS11930 WP 021493669.1  DSVKQHVLGVKAETLAESGAVSKECAKELAAGVRKLTGSDIGISFTGVAGPDPQEGHAPGRVFIGISALGKEEVHEFNFA  391
NTDB id 124 BSU 16930 NP 389575.2               NDVKQNVLGVKKETLDRFGAVSKECASELAKGVQKLTGSDIGISFTGVAGPDAQEGHEPGHVFIGISANGKEEVHEFHFA  391
NTDB id 462 GPW51 RS00385 WP 012774894.1        LGIES.................GWLS.EEADCIRQELQADLGLAVSVLIKPESTEDNVLAKVYLTLATPSGISQKEIDLG  370
NTDB id 412 SMU RS09535 WP 002262393.1          IEEKARMLGIPFEDLQLHGVVSAFTAEKMAERSRQLTQADLAISLTGVAGPDSLEGQPAGTVFIGLSSSKRTMAIKVLIG  388
NTDB id 170 SP RS09755 WP 000642718.1           LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEVIKVNIG  392
NTDB id 280 KZH43 RS08670 WP 000642700.1        LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEVIKVNIG  392
NTDB id 205 SPR RS08830 WP 000642700.1          LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEVIKVNIG  392
NTDB id 239 SPD RS09270 WP 000642701.1          LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEVIKVNIG  392
NTDB id 510 SM12261 RS08320 WP 000642690.1      LEEKSKMLDIPVKDLEEQGVVSEFTAQKMAEQARIKTQSDFGLSLTGVAGPDSLEGHPAGTVFIGLAQEQGTEVIKVNIG  392
NTDB id 538 SMSK321 RS11060 WP 000642686.1      LEEKSKMLDIPVKDLEEQGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPAGTVFIGLAQEHGTKVIKVNIG  392
consensus                                       ************* ****************!**********!**********!***!******!********************
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NTDB id 115330 BAMY6614 RS11930 WP 021493669.1  GSRT.GIRKRAAKYGCHLILKMLD.QK...  416
NTDB id 124 BSU 16930 NP 389575.2               GSRT.GIRKRGAKYGCHLILKLLE.QK...  416
NTDB id 462 GPW51 RS00385 WP 012774894.1        GYSWQYLRQLACLQAWDFVRNTL.......  393
NTDB id 412 SMU RS09535 WP 002262393.1          GRSRSDVRYIAVLHAFNLVRQTLLSHKNLV  418
NTDB id 170 SP RS09755 WP 000642718.1           GRSRADVRHIAVMHAFNLVRKALLSD....  418
NTDB id 280 KZH43 RS08670 WP 000642700.1        GRSRADVRHIAVMHAFNLVRKALLSD....  418
NTDB id 205 SPR RS08830 WP 000642700.1          GRSRADVRHIAVMHAFNLVRKALLSD....  418
NTDB id 239 SPD RS09270 WP 000642701.1          GRSRADVRHIAVMHAFNLVRKALLSD....  418
NTDB id 510 SM12261 RS08320 WP 000642690.1      GRSRADVRHIAVMHAFNLVRKALLSD....  418
NTDB id 538 SMSK321 RS11060 WP 000642686.1      GRSRADVRHIAVMHAFNLVRKALLSD....  418
consensus                                       !******!**************!***
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X non conserved
X similar
X ≥ 50% conserved