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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
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 538 SMSK321 RS11060 WP 000642686.1      ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEARLLSLLEIASQRSSLVILTGGLGPTEDDL    76
NTDB id 510 SM12261 RS08320 WP 000642690.1      ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEARLLSLLEIASQRSSLVILTGGLGPTEDDL    76
NTDB id 1009006 ABNF96 RS10435 WP 035201712.1  .........MAVGSELLLGQIANTNGQFISKQLASIGVDVYRHTVVGDNEDRLKIALQEAYERADLVILTGGLGPTKDDL    71
NTDB id 124 BSU 16930 NP 389575.2               MEFPKKAEIIAVGSELLLGQIANTNAQFISKQLAEIGVNVFYHTAVGDNPERLKQVIRIAEERSDFIIFSGGLGPTKDDL    80
consensus                                           ******!!!*!*!*!!!!*!!!*!!*!***!**!**!***!*!!!!* !!******!**!******!!!!*!*!!!
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 462 GPW51 RS00385 WP 012774894.1        TKQTLATFLGRNLVFDELAMAKLDRFFASRPGRVRTPNNERQAQIVEGSQALQNPAGLAVGGMIEQ.DGVTYIVLPGPPS   155
NTDB id 412 SMU RS09535 WP 002262393.1          TKQTLAKFLKRELVFDKTAQERLDEFFASRPTSMRTPNNECQAQIIAGSQPLSNKTGLAVGGLLEA.DGVTYVVLPGPPS   155
NTDB id 170 SP RS09755 WP 000642718.1           TKQTLAKFLGKALVFDPQAQEKLDIFFTLRPDYARTPNNERQAQIVEGAIPLPNETGLAVGGKLEV.DGVTYVVLPGPPS   155
NTDB id 280 KZH43 RS08670 WP 000642700.1        TKQTLAKFLGKALVFDPQAQEKLDIFFALRPDYARTPNNERQAQIVEGAIPLPNETGLAVGGKLEV.DGVTYVVLPGPPS   155
NTDB id 205 SPR RS08830 WP 000642700.1          TKQTLAKFLGKALVFDPQAQEKLDIFFALRPDYARTPNNERQAQIVEGAIPLPNETGLAVGGKLEV.DGVTYVVLPGPPS   155
NTDB id 239 SPD RS09270 WP 000642701.1          TKQTLAKFLGKALVFDPQAQEKLDIFFALRPDYARTPNNERQVQIVEGAIPLPNETGLAVGGKLEV.DGVTYVVLPGPPS   155
NTDB id 538 SMSK321 RS11060 WP 000642686.1      TKQTLAKFLGKELVFDPQAQEKLDVFFAQRPDYARTPNNERQAQIVEGATPLPNETGLAVGGILEV.DGVTYVVLPGPPS   155
NTDB id 510 SM12261 RS08320 WP 000642690.1      TKQTLAKFLGKELVFDPQAQEKLDVFFAQRPDYARTPNNERQAQLVEGAIPLPNETGLAVGGILEV.DGVTYVVLPGPPS   155
NTDB id 1009006 ABNF96 RS10435 WP 035201712.1  TKEIVAAFCGKRLVYDENALHEIEDYFK.RHNRVMTPNNKKQAYVIEGCTVLANRHGMAPGMLCELEDGKKLALLPGPPS   150
NTDB id 124 BSU 16930 NP 389575.2               TKETIANTLGRPLVLNDEAFQSIEDYFK.RTKRTMSPNNRKQALVIEGSDVLANHFGMAPGMLTEHES.RYYMLLPGPPS   158
consensus                                       !!*!*!***** !!****!*******!* !******!!!**!*****!***!*!**!*!*!***!* *******!!!!!!
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 462 GPW51 RS00385 WP 012774894.1        ELKAMFSESLLPLLSQ...SQQQLYSRVLRFFGIGESQLVTVLADVIDKQTDPTLAPYAKVGEVTLRLSTKATSQEEANL   232
NTDB id 412 SMU RS09535 WP 002262393.1          ELKPMVNKELLPYLSK...TSEKLYSRVLRFFGIGESHLVTLLHDLIAEQTDPTIAPYAKTGEVTIRLSTKAHRQKEADS   232
NTDB id 170 SP RS09755 WP 000642718.1           ELKPMVLNQLLPKLM....TGSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQ   231
NTDB id 280 KZH43 RS08670 WP 000642700.1        ELKPMVLNQLLPKLM....TGSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQ   231
NTDB id 205 SPR RS08830 WP 000642700.1          ELKPMVLNQLLPKLM....TGSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQ   231
NTDB id 239 SPD RS09270 WP 000642701.1          ELKPMVLNQLLPKLM....TGSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQ   231
NTDB id 538 SMSK321 RS11060 WP 000642686.1      ELKPMVLNQLLPKLM....TGSKLYSRVLRFFGIGESQLVTILSDLIDNQTDPTLAPYAKTGEVTLRLSTKASSQEEANQ   231
NTDB id 510 SM12261 RS08320 WP 000642690.1      ELKPMVLNQLLPKLM....TGSKLHSRVLRFFGIGESQLVTILSDLIDNQTDPTLAPYAKTGEVTLRLSTKASSQEEANQ   231
NTDB id 1009006 ABNF96 RS10435 WP 035201712.1  EMKPMFVNELLPKLLGATE.QTEITSRVLHFFGIGESQLETDLLDLIATQTNPTIAPLAGDGEVKLRLTVKHADKNEAAR   229
NTDB id 124 BSU 16930 NP 389575.2               ELRPMFENEAKPLLLKKMGSNEKIVSTVLRFFGIGESQLEADLEDIIDAQTNPTIAPLAADGEVTLRLTAKHADEKETER   238
consensus                                       !***!******!*!*    ******!*!!*!!!!!!!*!***!*!*!**!**!!*!!*!**!!!!**!!**!*****!***
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NTDB id 462 GPW51 RS00385 WP 012774894.1        RLNQLEEDILQHD.....KLADYFYAYGEDNSLVKTVATRLAEKRQTIAIVEQGTGGLLQAELSLALADQPYFSGGKVVG   307
NTDB id 412 SMU RS09535 WP 002262393.1          KLDKLEKKIITID.....NLADYFYGYGEENSLPQVVFDLLKEKGKTITAAESLTAGLFQARLADFAGASDIFKGGFITY   307
NTDB id 170 SP RS09755 WP 000642718.1           ALDILENQILDCQTFEGISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFKGGFVTY   311
NTDB id 280 KZH43 RS08670 WP 000642700.1        ALDILENQILDCQTFEGISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTY   311
NTDB id 205 SPR RS08830 WP 000642700.1          ALDILENQILDCQTFEGISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTY   311
NTDB id 239 SPD RS09270 WP 000642701.1          ALDILENQILDCQTFEGISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTY   311
NTDB id 538 SMSK321 RS11060 WP 000642686.1      VLDILENQILGRQTFEGLSLRDLCYGYGEEASLASIVVEELKKQGKTITAAESLTAGLFQATVADFSGASSIFKGGFVTY   311
NTDB id 510 SM12261 RS08320 WP 000642690.1      VLDILENQILGRQTFEGLSLRDLCYGYGEETSLASIVVEELKRQGKTITSAESLTAGLFQARVADFSGASSIFKGGFVTY   311
NTDB id 1009006 ABNF96 RS10435 WP 035201712.1   LLDETETLIRK.......RVGSYLYGYNE.TTLVKETFLRLQASGLTIASAESLTAGLFSSELAAFAGASHVLKGSVTAY   301
NTDB id 124 BSU 16930 NP 389575.2               LLKETEAVILE.......RVGEFFYGYDD.TSLVKELSIACKEKGITISAAESFTGGLFSEWLTDHSGASKLFAGGVVCY   310
consensus                                        !***!**!** ************!*!*****!************!!***!**!*!!****** *********!*****
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NTDB id 462 GPW51 RS00385 WP 012774894.1        QLGIES................GWLS.EEADCIRQELQADLGLAVSVLIKPESTEDNVLAKVYLTLATPSGISQKEIDL   369
NTDB id 412 SMU RS09535 WP 002262393.1          SIEEKARMLGIPFEDLQLHGVVSAFTAEKMAERSRQLTQADLAISLTGVAGPDSLEGQPAGTVFIGLSSSKRTMAIKVLI   387
NTDB id 170 SP RS09755 WP 000642718.1           SLEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEVIKVNI   391
NTDB id 280 KZH43 RS08670 WP 000642700.1        SLEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEVIKVNI   391
NTDB id 205 SPR RS08830 WP 000642700.1          SLEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEVIKVNI   391
NTDB id 239 SPD RS09270 WP 000642701.1          SLEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEVIKVNI   391
NTDB id 538 SMSK321 RS11060 WP 000642686.1      SLEEKSKMLDIPVKDLEEQGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPAGTVFIGLAQEHGTKVIKVNI   391
NTDB id 510 SM12261 RS08320 WP 000642690.1      SLEEKSKMLDIPVKDLEEQGVVSEFTAQKMAEQARIKTQSDFGLSLTGVAGPDSLEGHPAGTVFIGLAQEQGTEVIKVNI   391
NTDB id 1009006 ABNF96 RS10435 WP 035201712.1   SNELKQQLLQVSSATLASDGAISEACALEMARGVKTLYGSDIAISFTGVAGPGVQEGHEAGTVFLALLLPGGKERVYTLS   381
NTDB id 124 BSU 16930 NP 389575.2               TNDVKQNVLGVKKETLDRFGAVSKECASELAKGVQKLTGSDIGISFTGVAGPDAQEGHEPGHVFIGISA.NGKEEVHEFH   389
consensus                                       ************ * ***************!*********!***********!***!******!******************
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NTDB id 462 GPW51 RS00385 WP 012774894.1        GGYSWQYLRQLACLQAWDFVRNTL.......   393
NTDB id 412 SMU RS09535 WP 002262393.1          GGRSRSDVRYIAVLHAFNLVRQTLLSHKNLV   418
NTDB id 170 SP RS09755 WP 000642718.1           GGRSRADVRHIAVMHAFNLVRKALLSD....   418
NTDB id 280 KZH43 RS08670 WP 000642700.1        GGRSRADVRHIAVMHAFNLVRKALLSD....   418
NTDB id 205 SPR RS08830 WP 000642700.1          GGRSRADVRHIAVMHAFNLVRKALLSD....   418
NTDB id 239 SPD RS09270 WP 000642701.1          GGRSRADVRHIAVMHAFNLVRKALLSD....   418
NTDB id 538 SMSK321 RS11060 WP 000642686.1      GGRSRADVRHIAVMHAFNLVRKALLSD....   418
NTDB id 510 SM12261 RS08320 WP 000642690.1      GGRSRADVRHIAVMHAFNLVRKALLSD....   418
NTDB id 1009006 ABNF96 RS10435 WP 035201712.1   LSGGRNAVRMRAVKFGYFYLLEELKRSNGSK   412
NTDB id 124 BSU 16930 NP 389575.2               FAGSRTGIRKRGAKYGCHLILKLLEQK....   416
consensus                                       ********!**************!***
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X non conserved

X similar

X ≥ 50% conserved