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logo
NTDB id 596 KW2 RS08720 WP 021037686.1      ..MRFLLIKFPLIFLTYLVVLLYFCIFTYNLPLLIL....FICSILLALFR...KYYLMIPILIVFAVFFLLINSLSIRDNENQP   76
NTDB id 62940 N596 RS00850 WP 023026597.1   MLQWIRSINIHPFHLTLPVLALYYWMYTGHLLAPI....FLLAFFILFSRRYNGKQFLILIGLLLFATLCFAFRIEHGKQEARDQ   81
NTDB id 494 SM12261 RS04305 WP 000942409.1  MLQWIKNFSIPLIYLSFLLLWLYYAIFSSSYLALLGFVFLLVCLFIQFPWKSAGKV.LIICGIFGFWFLFQNWQQSQAS..QNLA   82
NTDB id 522 SMSK321 RS04965 WP 000942453.1  MLQWTKNFPIPLIYLSFLLLWLYYAIFSVSYLALLGFVFLLVCLFIQFLWKSAGKV.LVICGIFGFWFVFQNWQQSQAS..QNLS   82
NTDB id 189 SPR RS04300 WP 000942407.1      MLQWIKNFSIPLIYLSFLLLWLYYAIFSASYLALLGFVFLLVCLFIQFPWKSAGKV.LIICGIFGFWFVFQNWQQSQAS..QNLA   82
NTDB id 223 SPD RS04540 WP 000942407.1      MLQWIKNFSIPLIYLSFLLLWLYYAIFSASYLALLGFVFLLVCLFIQFPWKSAGKV.LIICGIFGFWFVFQNWQQSQAS..QNLA   82
NTDB id 154 SP RS04735 WP 000942394.1       MLQWIKNFSIPLIYLSFLLLWLYYAIFSASYLALLGFVFLLVCLFIQFPWKSAGKV.LIICGIFGFWFVFQNWQQSQAS..QNLA   82
NTDB id 264 KZH43 RS04200 WP 000942407.1    MLQWIKNFSIPLIYLSFLLLWLYYAIFSASYLALLGFVFLLVCLFIQFPWKSAGKV.LIICGIFGFWFVFQNWQQSQAS..QNLA   82
consensus                                   **************!******!!*****************************!*  !*******!*************  ****

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NTDB id 596 KW2 RS08720 WP 021037686.1      KTLSKIELISDTIQVNGDLLSFQGRMNGQNYQVYDTLKSLKEKKFYQNLSQNCQLSFTGNLQIPETQRNFNGFDDQKYLASQNIY  161
NTDB id 62940 N596 RS00850 WP 023026597.1   EVPRVIQLLPDTIKVNGDALSFRAQSGSRTFQVFYQLQTKEEQAYFKHLDHGLELRIKGELETPTKQRNFMGFDYQAYLKTQGIY  166
NTDB id 494 SM12261 RS04305 WP 000942409.1  DSVERVRILPDTVKVNGDSLSFRGKSDGRIFQVYYKLQSEEEKEAFQALTDLHEIGLEGKLSEPDGQRNFGGFDYQAYLKTQGIY  167
NTDB id 522 SMSK321 RS04965 WP 000942453.1  DSVEIVRILPDTIKVNGDSLSFRGKADGRIFQVYYKLQSEEEKETFQILTALHDLELEGKLSEPEGKRNFGGFDYQAYLKTQGIY  167
NTDB id 189 SPR RS04300 WP 000942407.1      DSVERVRILPDTVKVNGDSLSFRGKADGRIFQVYYKLQSEEEKEAFQALTDLHEIGLEGKLSEPEGQRNFGGFNYQAYLKTQGIY  167
NTDB id 223 SPD RS04540 WP 000942407.1      DSVERVRILPDTVKVNGDSLSFRGKADGRIFQVYYKLQSEEEKEAFQALTDLHEIGLEGKLSEPEGQRNFGGFNYQAYLKTQGIY  167
NTDB id 154 SP RS04735 WP 000942394.1       DSVERVRILPDTIKVNGDSLSFRGKSNGRAFQVYYKLQSEEEKEAFQALTDLHEIGLEGKLSEPEGQRNFGGFNYQAYLKTQGIY  167
NTDB id 264 KZH43 RS04200 WP 000942407.1    DSVERVRILPDTVKVNGDSLSFRGKADGRIFQVYYKLQSEEEKEAFQALTDLHEIGLEGKLSEPEGQRNFGGFNYQAYLKTQGIY  167
consensus                                   **********!!**!!!!*!!!***  *****!!***!****!******!*********!*!**!***!!!*!!  *!*!!**!*!!

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NTDB id 596 KW2 RS08720 WP 021037686.1      RQITIQQITNVEIKKNFD....LHTLRRKAIVWTQNHFPKPMSDYMTGLLFGFLSKDFNQMSDIYSSLGIIHLFALSGMQVNFFI  242
NTDB id 62940 N596 RS00850 WP 023026597.1   HLLKISQILEKRPAEPRDLIGLLSSWRRKALVWVHQHFPQPMSHYMTGLLFGFLDVEFEEMSQLYSNLGIIHLFALSGMQVAFFL  251
NTDB id 494 SM12261 RS04305 WP 000942409.1  QTLTIKRIQSLQKVSSWDIGENLSSLRRKTVVWIKTHFPDPMRNYMTGLLLGHLDTDFEEMNGLYSSLGIIHLFALSGMQVGFFM  252
NTDB id 522 SMSK321 RS04965 WP 000942453.1  QTLNIKKIQSLQKVGSWDLGENLSSLRRKAVVWIKTHFPDPMRNYMTGLLLGHLDTDFEEMNELYSSLGIIHLFALSGMQVGFFM  252
NTDB id 189 SPR RS04300 WP 000942407.1      QTLNIKKIQSLQKIGSWDIGENLSSLRRKAVVWIKTHFPDPMRNYMTGLLLGHLDTDFEEMNELYSSLGIIHLFALSGMQVGFFM  252
NTDB id 223 SPD RS04540 WP 000942407.1      QTLNIKKIQSLQKIGSWDIGENLSSLRRKAVVWIKTHFPDPMRNYMTGLLLGHLDTDFEEMNELYSSLGIIHLFALSGMQVGFFM  252
NTDB id 154 SP RS04735 WP 000942394.1       QTLNIKTIQSLQKIGSWDIGENLSSLRRKAVVWIKTHFPDPMGNYMTGLLLGHLDTDFEEMNELYSSLGIIHLFALSGMQVGFFM  252
NTDB id 264 KZH43 RS04200 WP 000942407.1    QTLNIKKIQSLQKIGSWDIGENLSSLRRKAVVWIKTHFPDPMRNYMTGLLLGHLDTDFEEMNELYSSLGIIHLFALSGMQVGFFM  252
consensus                                   ****!**!*********!****!***!!!**!!***!!!*!!**!!!!!!*!*!***!**!***!!*!!!!!!!!!!!!!!*!!*

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NTDB id 596 KW2 RS08720 WP 021037686.1      DWFRKILLRMGLTREIVNLVQIPFSIFYAFMTGLSVSVLRALFQKNIR...LTSLDNIGVTTLVLMLISPKFLLTTGGQLTLFYA  324
NTDB id 62940 N596 RS00850 WP 023026597.1   DTFRRFFLRLGLEQEKVATLLYPFSLLYAGMTGFSVSVVRSLIQKLLAQQGLKGMENMGMTLLLLLLFLPSSLLTAGGLLSCAYA  336
NTDB id 494 SM12261 RS04305 WP 000942409.1  DGFKKLLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSLLQKLLAQHGVKGLDNFALTVLVLFIVMPNFFLTAGGVLSCAYA  337
NTDB id 522 SMSK321 RS04965 WP 000942453.1  DGFKKLLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSLLQKLLAQHGVKGLDNFALTVLVLFILMPNFFLTAGGVLSCAYA  337
NTDB id 189 SPR RS04300 WP 000942407.1      NGFKKLLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSLLQKLLAQHGVKGLDNFALTVLVLFIVMPNFFFTAGGVLSCAYA  337
NTDB id 223 SPD RS04540 WP 000942407.1      NGFKKLLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSLLQKLLAQHGVKGLDNFALTVLVLFIVMPNFFFTAGGVLSCAYA  337
NTDB id 154 SP RS04735 WP 000942394.1       NGFKKLLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSLLQKLLAQHGVKGLDNFALTVLVLFIVMPNFFLTAGGVLSCAYA  337
NTDB id 264 KZH43 RS04200 WP 000942407.1    NGFKKLLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSLLQKLLAQHGVKGLDNFALTVLVLFIVMPNFFFTAGGVLSCAYA  337
consensus                                    *!****!!*!!**!******!!!**!!**!!*!*!!*!*!*!!************!***!*!*!****!****!*!!*!***!!
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logo
NTDB id 596 KW2 RS08720 WP 021037686.1      FVISMLNHPFSNLNGLKKVLTESAVLSLCVLPLLIFDFHIFQPLSILLTIIFGFLFDFMLLPLLLCCFLISFLGFSLNLNFIFQI   409
NTDB id 62940 N596 RS00850 WP 023026597.1   FILTLTSSE.EEKSGIRKVVKESLVLTLGVLPFLIFFFGEYQPWSLPLTFVFSLLFDVLLLPGLSVVFLLSFLYPLTFWNPFFIW   420
NTDB id 494 SM12261 RS04305 WP 000942409.1  FILTMTSKE...GEGLKAVARESLVISLGILPILSFYFAEFQPWSILLTFVFSFLFDLVFLPLLSILFALSFLHPVIQLNFIFEW   419
NTDB id 522 SMSK321 RS04965 WP 000942453.1  FILTMTSKE...GEGLKAVARESLVISLGILPILSFYFAEFQPWSILLTFVFSFLFDLVFLPLLSVLFALSFLYPVIQLNFIFEW   419
NTDB id 189 SPR RS04300 WP 000942407.1      FILTMTSKE...GEGLKAVASESLVISLGILPILSFYFAEFQPWSILLTFVFSFLFDLTFLPLLSILFVLSFLYPVIQLNFIFEW   419
NTDB id 223 SPD RS04540 WP 000942407.1      FILTMTSKE...GEGLKAVASESLVISLGILPILSFYFAEFQPWSILLTFVFSFLFDLTFLPLLSILFVLSFLYPVIQLNFIFEW   419
NTDB id 154 SP RS04735 WP 000942394.1       FILTMTSKE...GEGLKAVTSESLVISLGILPILSFYFAEFQPWSILLTFVFSFLFDLVFLPLLSILFVLSFLYPVIQLNFIFEW   419
NTDB id 264 KZH43 RS04200 WP 000942407.1    FILTMTSKE...GEGLKAVASESLVISLGILPILSFYFAEFQPWSILLTFVFSFLFDLTFLPLLSILFVLSFLYPVIQLNFIFEW   419
consensus                                   !********   **!***!**!!*!**!**!!*!*!*!***!!*!**!!**!**!!!***!!*!***!**!!!*******!**!**

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NTDB id 596 KW2 RS08720 WP 021037686.1      LEWLVHKVDLPLHYPFVLGKPSSLELIILFVLIGLFVDSFSHKKRRFFLVGFIFLFFFITKNPMRASITAVDIGQGDSIFLQDKF   494
NTDB id 62940 N596 RS00850 WP 023026597.1   MEKSMESIAGFTSQSLVFGQPSISFFLLLLFLLAFLYEMRKVKKWRYLFLLLVCSVFATVKHPLENEITIIDIGQGDSILLRDWR   505
NTDB id 494 SM12261 RS04305 WP 000942409.1  LEGMIRFVSQVASRPLVFGQPNAWILILLLISLALVYDLRKNIKRLAVLSLLITGLFFLTKHPLENEITMLDVGQGESIFLRDVT   504
NTDB id 522 SMSK321 RS04965 WP 000942453.1  LEGMIRLVSQVASRPLVFGQPNAWLLILLLISLALVYDLRKNIKRLAVLSLLITGLFFLTKYPLENEITMLDVGQGESIFLRDVA   504
NTDB id 189 SPR RS04300 WP 000942407.1      LEGIIRLVSQVTSRPLVFGQPNTWLLILLLISLALVYDLRKNIKKLTVLCLLITGLFLLTKHPLENEITMLDVGQGESIFLRDVT   504
NTDB id 223 SPD RS04540 WP 000942407.1      LEGIIRLVSQVTSRPLVFGQPNTWLLILLLISLALVYDLRKNIKKLTVLCLLITGLFLLTKHPLENEITMLDVGQGESIFLRDVT   504
NTDB id 154 SP RS04735 WP 000942394.1       LEGIIRLVSQVARRPLVFGQPNAWLLILLLISLALVYDLRKNIKGLTVLSLLITGLFFLTKYPLENEITMLDVGQGESIFLRDVT   504
NTDB id 264 KZH43 RS04200 WP 000942407.1    LEGIIRLVSQVTSRPLVFGQPNTWLLILLLISLALVYDLRKNIKKLTVLCLLITGLFLLTKHPLENEITMLDVGQGESIFLRDVT   504
consensus                                   *!********* ****!*!*!* *****!**************!** **  ******!  **!*!****!!**!*!!!*!!*!*!**

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NTDB id 596 KW2 RS08720 WP 021037686.1      NKENILIDTGGRLALP..QKNWQKAQTQSNADKTLIPYLESMGVAHIDQLILTHTDADHVGDFLSLADKIKIREIWVSPGELTNS   577
NTDB id 62940 N596 RS00850 WP 023026597.1   .GKTILIDTGGKVDFGQ.KEAWRNRRSTSNAERTLLPYLKSRGIDQIDHMVLTHTDTDHMGDLEVLAAKVSIKEINISKGSLKKD   588
NTDB id 494 SM12261 RS04305 WP 000942409.1  .GKIILIDVGGKAESSKKIEKWQEKTTSNAQRTLIPYLKSRGVSKIDQLILTNTDKEYVGDLLEVTKAFHVGEILVSKGSLKQK   588
NTDB id 522 SMSK321 RS04965 WP 000942453.1  .GKTILIDVGGKAESDKKIEKWQEKATTSNAQRTLIPYLKSRGVAKIDQLILTNTDKEHVGDLLEVTKAFHVGEILVSKGSLKQK   588
NTDB id 189 SPR RS04300 WP 000942407.1      .GKTILIDVGGKAESYKKIKKWQEKMTTSNAQRSLIPYLKSRGVAKIDQLILTNTDKEHVGDLSEMTKAFHVGEILVSKDSLKQK   588
NTDB id 223 SPD RS04540 WP 000942407.1      .GKTILIDVGGKAESYKKIKKWQEKMTTSNAQRSLIPYLKSRGVAKIDQLILTNTDKEHVGDLSEMTKAFHVGEILVSKDSLKQK   588
NTDB id 154 SP RS04735 WP 000942394.1       .GKTILIDVGGKAESYKKIKKWQEKMTTSNAQRTLIPYLKSRGVAKIDQLILTNTDKEHVGDLSEMTKAFHVGEILVSKDSLKQK   588
NTDB id 264 KZH43 RS04200 WP 000942407.1    .GKTILIDVGGKAESYKKIKKWQEKMTTSNAQRSLIPYLKSRGVAKIDQLILTNTDKEHVGDLSEMTKAFHVGEILVSKDSLKQK   588
consensus                                    ***!!!!*!!**** *****!*** **!!!***!*!!!*!*!***!!***!!*!!****!!* *********!!**!* *!***

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NTDB id 596 KW2 RS08720 WP 021037686.1      SFVEKLKKAKIPIHVSKVGDKIPIFDSFLQVLSNGYTKKGDNNDSIVTYGNFYHTKFLFTGDLEQEGEKKLLQNYPKLQVDVLKV   662
NTDB id 62940 N596 RS00850 WP 023026597.1   SFVRLLKRLNLPVKTLEAGDQLSIFDGSAEVLYPVEVGDGSNNDSLVLYGRFYGWTFLFTGDLEEEGEKTLLARYPQLRVDVLKA   673
NTDB id 494 SM12261 RS04305 WP 000942409.1  QFVAELQATQTKVRSITAGENLSIFGSQLEVLSPRKIGDGGYEDSLVLYGKLLDKYFLFTGNLEEKGEKELLKHYPDLKVDVLKA   673
NTDB id 522 SMSK321 RS04965 WP 000942453.1  EFVAELQATQIKVHSVAEGENVPIFGSQLEVLSPRKIGDGGHDDSLVLYGKLLDKHFLFTGNLEEKGEKDLLKQYPDLEVDVLKA   673
NTDB id 189 SPR RS04300 WP 000942407.1      EFVAELQATQTKVRSMIVGENLPIFGSQLEVLSPRKMGDGGHDDTLVLYGKFLDKQFLFTGNLEEKGEKDLLKHYPDLKVNVLKA   673
NTDB id 223 SPD RS04540 WP 000942407.1      EFVAELQATQTKVRSMIVGENLPIFGSQLEVLSPRKMGDGGHDDTLVLYGKFLDKQFLFTGNLEEKGEKDLLKHYPDLKVNVLKA   673
NTDB id 154 SP RS04735 WP 000942394.1       EFVAELQATQTKVRSMIVGENLPIFGSQLEVLSPRKMGDGGHDDTLVLYGKFLDKQFLFTGNLEEKGEKDLLKHYPDLKVNVLKA   673
NTDB id 264 KZH43 RS04200 WP 000942407.1    EFVAELQATQTKVRSMIVGENLPIFGSQLEVLSPRKMGDGGHDDTLVLYGKFLDKQFLFTGNLEEKGEKDLLKHYPDLKVNVLKA   673
consensus                                   *!!**!********** *!****!!*****!!*******!***!**!*!!***** !!!!!*!!**!!!*!!**!!*!*! !!!*
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logo
NTDB id 596 KW2 RS08720 WP 021037686.1      GHHGSKTSSSPEFIKEIHPKLALISVGKANRYGHPNQETLETLAKYQVKTLRTDQKGAIKLTEVNQQWQIKTVR   736
NTDB id 62940 N596 RS00850 WP 023026597.1   GHHGSKGSSHPAFLRRIQAKIALISAGEKNRYQHPHQETLERFKELQMMVFRTDQQGAIRFRGWN.QWKIETVR   746
NTDB id 494 SM12261 RS04305 WP 000942409.1  GQHGSKKSSSSDFLEKLKPEFTLISVGKNNRAKLPHQETLTRLETINSKVYRTDQHGAIRFKGWN.SWKVETVG   746
NTDB id 522 SMSK321 RS04965 WP 000942453.1  SQHGSKKSSSSAFLEQLKPEMTLISVGKSNRMKLPHQETLTRLEGINSKVYRTDQQGAIRFKGWN.SWKIESVR   746
NTDB id 189 SPR RS04300 WP 000942407.1      SQHGNKKSSSPAFLEKLKPELTLISVGKSNRMKLPYQETLTRLEGINSKVYRTDQQGAIRFKGLD.SWKIESVR   746
NTDB id 223 SPD RS04540 WP 000942407.1      SQHGNKKSSSPAFLEKLKPELTLISVGKSNRMKLPYQETLTRLEGINSKVYRTDQQGAIRFKGLD.SWKIESVR   746
NTDB id 154 SP RS04735 WP 000942394.1       SQHGNKKSSSPAFLEKLKPELTLISVGKSNRMKLPHQETLTRLEGINSKVYRTDQQGAIRFKGLD.SWKIESVR   746
NTDB id 264 KZH43 RS04200 WP 000942407.1    SQHGNKKSSSPAFLEKLKPELTLISVGKSNRMKLPYQETLTRLEGINSKVYRTDQQGAIRFKGLD.SWKIESVR   746
consensus                                   **!! !*!!***!*********!!!*!**!!***! !!!!**********!!!!*!!!******  *!****!*
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X non conserved

X similar

X $\geq$ 50% conserved