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logo
NTDB id 596 KW2 RS08720 WP 021037686.1          ..MRFLLIKFPLIFLTYLVVLLYFCIFTYNLPLLLLF..ICSILLALFRK..YYLMIPILIVFAVFFLLINSLSIRDNEN   74
NTDB id 1137590 DQL21 RS02955 WP 018029439.1    ...MSKFFPIQPIYLALLVVELYFLVVDFSVVTLVATLISCVLLLRQYSKPCLLKTILILCLFASYFLFVNWKSGRDYQA   77
NTDB id 494 SM12261 RS04305 WP 000942409.1      MLQWIKNFSIPLIYLSFLLLWLYYAIFSSSYLALLGFVFLLVCLFIQFPWKSAGKVLIICGIFGFWFLFQNWQQSQASQN   80
NTDB id 522 SMSK321 RS04965 WP 000942453.1      MLQWTKNFPIPLIYLSFLLLWLYYAIFSVSYLALLGFVFLLVCLFIQFLWKSAGKVLVICGIFGFWFVFQNWQQSQASQN   80
NTDB id 189 SPR RS04300 WP 000942407.1          MLQWIKNFSIPLIYLSFLLLWLYYAIFSASYLALLGFVFLLVCLFIQFPWKSAGKVLIICGIFGFWFVFQNWQQSQASQN   80
NTDB id 223 SPD RS04540 WP 000942407.1          MLQWIKNFSIPLIYLSFLLLWLYYAIFSASYLALLGFVFLLVCLFIQFPWKSAGKVLIICGIFGFWFVFQNWQQSQASQN   80
NTDB id 154 SP RS04735 WP 000942394.1           MLQWIKNFSIPLIYLSFLLLWLYYAIFSASYLALLGFVFLLVCLFIQFPWKSAGKVLIICGIFGFWFVFQNWQQSQASQN   80
NTDB id 264 KZH43 RS04200 WP 000942407.1        MLQWIKNFSIPLIYLSFLLLWLYYAIFSASYLALLGFVFLLVCLFIQFPWKSAGKVLIICGIFGFWFVFQNWQQSQASQN   80
consensus                                       *************!*!**!***!!*****  ****!*********!**************!***!***!***!*********

logo
NTDB id 596 KW2 RS08720 WP 021037686.1          QPKTLSKIELISDTIQVNGDLLSFQGRMNGQNYQVYDTLKSLKEKKFYQNLSQNCQLSFTGNLQIPETQRNFNGFDDQKY   154
NTDB id 1137590 DQL21 RS02955 WP 018029439.1    APEHLPAIHVIPDSISVNGDRLSFRGRYAQQSYQAFYRLKSETEKRYFQNLWQNTVIRGKIKLTEAEEQRNFKGFDYRAY   157
NTDB id 494 SM12261 RS04305 WP 000942409.1      LADSVERVRILPDTVKVNGDSLSFRGKSDGRIFQVYYKLQSEEEKEAFQALTDLHEIGLEGKLSEPDGQRNFGGFDYQAY   160
NTDB id 522 SMSK321 RS04965 WP 000942453.1      LSDSVEIVRILPDTIKVNGDSLSFRGKADGRIFQVYYKLQSEEEKETFQILTALHDLELEGKLSEPEGKRNFGGFDYQAY   160
NTDB id 189 SPR RS04300 WP 000942407.1          LADSVERVRILPDTVKVNGDSLSFRGKADGRIFQVYYKLQSEEEKEAFQALTDLHEIGLEGKLSEPEGQRNFGGFNYQAY   160
NTDB id 223 SPD RS04540 WP 000942407.1          LADSVERVRILPDTVKVNGDSLSFRGKADGRIFQVYYKLQSEEEKEAFQALTDLHEIGLEGKLSEPEGQRNFGGFNYQAY   160
NTDB id 154 SP RS04735 WP 000942394.1           LADSVERVRILPDTIKVNGDSLSFRGKSNGRAFQVYYKLQSEEEKEAFQALTDLHEIGLEGKLSEPEGQRNFGGFNYQAY   160
NTDB id 264 KZH43 RS04200 WP 000942407.1        LADSVERVRILPDTVKVNGDSLSFRGKADGRIFQVYYKLQSEEEKEAFQALTDLHEIGLEGKLSEPEGQRNFGGFNYQAY   160
consensus                                       ************!***!!!!*!!!*!*  *****!****!*!**!!***!*!***********!*****!!!*!!  ***!

logo
NTDB id 596 KW2 RS08720 WP 021037686.1          LASQNIYRQITIQQITNVEIKKNFD....LHTLRRKAIVWTQNHFPKPMSDYMTGLLFGFLSKDFNQMSDIYSSLGIIHL   230
NTDB id 1137590 DQL21 RS02955 WP 018029439.1    LKTQKIYRLAQIESIDAVEEAKALSLFDHLRSLRRRAIVHIQSKFPAPMAHYMTGLLFGYLDSSFDEMGELYSSLGIIHL   237
NTDB id 494 SM12261 RS04305 WP 000942409.1      LKTQGIYQTLTIKRIQSLQKVSSWDIGENLSSLRRKTVVWIKTHFPDPMRNYMTGLLLGHLDTDFEEMNGLYSSLGIIHL   240
NTDB id 522 SMSK321 RS04965 WP 000942453.1      LKTQGIYQTLNIKKIQSLQKVGSWDLGENLSSLRRKAVVWIKTHFPDPMRNYMTGLLLGHLDTDFEEMNELYSSLGIIHL   240
NTDB id 189 SPR RS04300 WP 000942407.1          LKTQGIYQTLNIKKIQSLQKIGSWDIGENLSSLRRKAVVWIKTHFPDPMRNYMTGLLLGHLDTDFEEMNELYSSLGIIHL   240
NTDB id 223 SPD RS04540 WP 000942407.1          LKTQGIYQTLNIKKIQSLQKIGSWDIGENLSSLRRKAVVWIKTHFPDPMRNYMTGLLLGHLDTDFEEMNELYSSLGIIHL   240
NTDB id 154 SP RS04735 WP 000942394.1           LKTQGIYQTLNIKTIQSLQKIGSWDIGENLSSLRRKAVVWIKTHFPDPMGNYMTGLLLGHLDTDFEEMNELYSSLGIIHL   240
NTDB id 264 KZH43 RS04200 WP 000942407.1        LKTQGIYQTLNIKKIQSLQKIGSWDIGENLSSLRRKAVVWIKTHFPDPMRNYMTGLLLGHLDTDFEEMNELYSSLGIIHL   240
consensus                                       !**!*!!****!**!**************!**!!!***!*****!!*!!**!!!!!!*!*!***!**!***!!!!!!!!!

logo
NTDB id 596 KW2 RS08720 WP 021037686.1          FALSGMQVNFFIDWFRKILLRMGLTREIVNLVQIPFSIFYAFMTGLSVSVLRALFQKNIR...LTSLDNIGVTTLVLMLI   307
NTDB id 1137590 DQL21 RS02955 WP 018029439.1    FALSGMQVGFFLGKFRYLLLRLGIKQETVNGLQIPFSVLYAVLTGGSVSVIRSLLQSYLALFNIRKLDNLALSLMVMFFL   317
NTDB id 494 SM12261 RS04305 WP 000942409.1      FALSGMQVGFFMDGFKKLLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSLLQKLLAQHGVKGLDNFALTVLVLFIV   320
NTDB id 522 SMSK321 RS04965 WP 000942453.1      FALSGMQVGFFMDGFKKLLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSLLQKLLAQHGVKGLDNFALTVLVLFII   320
NTDB id 189 SPR RS04300 WP 000942407.1          FALSGMQVGFFMNGFKKLLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSLLQKLLAQHGVKGLDNFALTVLVLFIV   320
NTDB id 223 SPD RS04540 WP 000942407.1          FALSGMQVGFFMNGFKKLLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSLLQKLLAQHGVKGLDNFALTVLVLFIV   320
NTDB id 154 SP RS04735 WP 000942394.1           FALSGMQVGFFMNGFKKLLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSLLQKLLAQHGVKGLDNFALTVLVLFIV   320
NTDB id 264 KZH43 RS04200 WP 000942407.1        FALSGMQVGFFMNGFKKLLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSLLQKLLAQHGVKGLDNFALTVLVLFIV   320
consensus                                       !!!!!!!!*!!*  *!***!!!*!***!*******!!!**!!**!!*!*!!*!*!*!**********!!!******!****
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logo
NTDB id 596 KW2 RS08720 WP 021037686.1        SPKFLLTTGGQLTLFYAFVISMLNHPFSNLNGLKKVLTESAVLSLCVLPLLIFDFHIFQPLSILLTIIFGFLFDFMLLPL   387
NTDB id 1137590 DQL21 RS02955 WP 018029439.1  VPHFLATAGGVLSFAYAFILGLID..FEDLSGKRQLLAQTLAVYIGILPFLMWYFSSFQPVSILLTACLSFLFDVILLPL   395
NTDB id 494 SM12261 RS04305 WP 000942409.1    MPNFFLTAGGVLSCAYAFILTMTS..KEG.EGLKAVARESLVISLGILPILSFYFAEFQPWSILLTFVFSFLFDLVFLPL   397
NTDB id 522 SMSK321 RS04965 WP 000942453.1    MPNFFLTAGGVLSCAYAFILTMTS..KEG.EGLKAVARESLVISLGILPILSFYFAEFQPWSILLTFVFSFLFDLVFLPL   397
NTDB id 189 SPR RS04300 WP 000942407.1        MPNFFFTAGGVLSCAYAFILTMTS..KEG.EGLKAVASESLVISLGILPILSFYFAEFQPWSILLTFVFSFLFDLTFLPL   397
NTDB id 223 SPD RS04540 WP 000942407.1        MPNFFFTAGGVLSCAYAFILTMTS..KEG.EGLKAVASESLVISLGILPILSFYFAEFQPWSILLTFVFSFLFDLTFLPL   397
NTDB id 154 SP RS04735 WP 000942394.1         MPNFFLTAGGVLSCAYAFILTMTS..KEG.EGLKAVTSESLVISLGILPILSFYFAEFQPWSILLTFVFSFLFDLVFLPL   397
NTDB id 264 KZH43 RS04200 WP 000942407.1      MPNFFFTAGGVLSCAYAFILTMTS..KEG.EGLKAVASESLVISLGILPILSFYFAEFQPWSILLTFVFSFLFDLTFLPL   397
consensus                                     *!*!* !*!!*!***!!!******  *** *!*************!!*!***!**!!!*!!!!!****!!!!***!!!
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logo
NTDB id 596 KW2 RS08720 WP 021037686.1        LLCCFLISFLGFSLNLNFIFQILEWLVHKVDLPLHYPFVLGKPSSLELIILFVLIGLFVDSFSHKKRRFFLVGFIFLFFF   467
NTDB id 1137590 DQL21 RS02955 WP 018029439.1  LSFLFLLSPLIGLSLLNPFFQLLEDFISFLGHFFSRSLILGSPSVGLLLMLVIGLGLLYDFYKLKKARIILSIALCLLFF   475
NTDB id 494 SM12261 RS04305 WP 000942409.1    LSILFALSFLHPVIQLNFIFEWLEGMIRFVSQVASRPLVFGQPNAWILILLLISLALVYDLRKNIKRLAVLSLLITGLFF   477
NTDB id 522 SMSK321 RS04965 WP 000942453.1    LSVLFALSFLYPVIQLNFIFEWLEGMIRLVSQVASRPLVFGQPNAWLLILLLISLALVYDLRKNIKRLAVLSLLITGLFF   477
NTDB id 189 SPR RS04300 WP 000942407.1        LSILFVLSFLYPVIQLNFIFEWLEGIIRLVSQVTSRPLVFGQPNTWLLILLLISLALVYDLRKNIKKLTVLCLLITGLFL   477
NTDB id 223 SPD RS04540 WP 000942407.1        LSILFVLSFLYPVIQLNFIFEWLEGIIRLVSQVTSRPLVFGQPNTWLLILLLISLALVYDLRKNIKKLTVLCLLITGLFL   477
NTDB id 154 SP RS04735 WP 000942394.1         LSILFVLSFLYPVIQLNFIFEWLEGIIRLVSQVARRPLVFGQPNAWLLILLLISLALVYDLRKNIKGLTVLSLLITGLFF   477
NTDB id 264 KZH43 RS04200 WP 000942407.1      LSILFVLSFLYPVIQLNFIFEWLEGIIRLVSQVTSRPLVFGQPNTWLLILLLISLALVYDLRKNIKKLTVLCLLITGLFL   477
consensus                                     !***!**!*!*****!!**!**!!********* ******!*!* **!**!*****!**!*****!** *!  ******!*
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logo
NTDB id 596 KW2 RS08720 WP 021037686.1        ITKNPMRASITAVDIGQGDSIFLQDKFNKENILIDTGGRLAL..PQKNWQKAQTQSNADKTLIPYLESMGVAHIDQLILT   545
NTDB id 1137590 DQL21 RS02955 WP 018029439.1  LVKNPAYNEVTMVDVGQGDSIFLRDMKG.KTLLIDVGGKPGFA.SSQTWQRAAETPNAERTLLPYLKSQGIGKIDQLVLT   553
NTDB id 494 SM12261 RS04305 WP 000942409.1    LTKHPLENEITMLDVGQGESIFLRDVTG.KIILIDVGGKAESSKKIEKWQEKTTTSNAQRTLIPYLKSRGVSKIDQLILT   556
NTDB id 522 SMSK321 RS04965 WP 000942453.1    LTKYPLENEITMLDVGQGESIFLRDVAG.KTILIDVGGKAESDKKIEKWQEKATTSNAQRTLIPYLKSRGVAKIDQLILT   556
NTDB id 189 SPR RS04300 WP 000942407.1        LTKHPLENEITMLDVGQGESIFLRDVTG.KTILIDVGGKAESYKKIKKWQEKMTTSNAQRSLIPYLKSRGVAKIDQLILT   556
NTDB id 223 SPD RS04540 WP 000942407.1        LTKHPLENEITMLDVGQGESIFLRDVTG.KTILIDVGGKAESYKKIKKWQEKMTTSNAQRSLIPYLKSRGVAKIDQLILT   556
NTDB id 154 SP RS04735 WP 000942394.1         LTKYPLENEITMLDVGQGESIFLRDVTG.KTILIDVGGKAESYKKIKKWQEKMTTSNAQRTLIPYLKSRGVAKIDQLILT   556
NTDB id 264 KZH43 RS04200 WP 000942407.1      LTKHPLENEITMLDVGQGESIFLRDVTG.KTILIDVGGKAESYKKIKKWQEKMTTSNAQRSLIPYLKSRGVAKIDQLILT   556
consensus                                     **! !*****!**!*!!!*!!!!*!*** ***!!!*!!**** *****!!** ***!!***!*!!!*!*!***!!!!*!!
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logo
NTDB id 596 KW2 RS08720 WP 021037686.1        HTDADHVGDFLSLADKIKIREIWVSPGELTNSSFVEKLKKAKIPIHVSKVGDKIPIFDSFLQVLSNGYTKKGDNNDSIVT   625
NTDB id 1137590 DQL21 RS02955 WP 018029439.1  HTDTDHIGDLEAVAKELDIGEILVSQGSLTVPEFRKRLKKLAAPVRVLQAGDKLPIMGSQLQVLYPSQVGDGGNNDSLVL   633
NTDB id 494 SM12261 RS04305 WP 000942409.1    NTDKEYVGDLLEVTKAFHVGEILVSKGSLKQKQFVAELQATQTKVRSITAGENLSIFGSQLEVLSPRKIGDGGYEDSLVL   636
NTDB id 522 SMSK321 RS04965 WP 000942453.1    NTDKEHVGDLLEVTKAFHVGEILVSKGSLKQKEFVAELQATQIKVHSVAEGENVPIFGSQLEVLSPRKIGDGGHDDSLVL   636
NTDB id 189 SPR RS04300 WP 000942407.1        NTDKEHVGDLSEMTKAFHVGEILVSKDSLKQKEFVAELQATQTKVRSMIVGENLPIFGSQLEVLSPRKMGDGGHDDTLVL   636
NTDB id 223 SPD RS04540 WP 000942407.1        NTDKEHVGDLSEMTKAFHVGEILVSKDSLKQKEFVAELQATQTKVRSMIVGENLPIFGSQLEVLSPRKMGDGGHDDTLVL   636
NTDB id 154 SP RS04735 WP 000942394.1         NTDKEHVGDLSEMTKAFHVGEILVSKDSLKQKEFVAELQATQTKVRSMIVGENLPIFGSQLEVLSPRKMGDGGHDDTLVL   636
NTDB id 264 KZH43 RS04200 WP 000942407.1      NTDKEHVGDLSEMTKAFHVGEILVSKDSLKQKEFVAELQATQTKVRSMIVGENLPIFGSQLEVLSPRKMGDGGHDDTLVL   636
consensus                                     *!!****!!* *********!!*!!* *!****!***!********** *!****!**!*!*!!*******!***!**!*
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logo
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NTDB id 596 KW2 RS08720 WP 021037686.1          YGNFYHTKFLFTGDLEQEGEKKLLQNYPKLQVDVLKVGHHGSKTSSSPEFIKEIHPKLALISVGKANRYGHPNQETLETL   705
NTDB id 1137590 DQL21 RS02955 WP 018029439.1    YGSLLGLRFLFTGDLEKEGEETLMAAYPKLPVDVLKAGHHGSKGSSSPAFLDFISPKLALISAGKNNRYRHPHQETLQRF   713
NTDB id 494 SM12261 RS04305 WP 000942409.1      YGKLLDKYFLFTGNLEEKGEKELLKHYPDLKVDVLKAGQHGSKKSSSSDFLEKLKPEFTLISVGKNNRAKLPHQETLTRL   716
NTDB id 522 SMSK321 RS04965 WP 000942453.1      YGKLLDKHFLFTGNLEEKGEKDLLKQYPDLEVDVLKASQHGSKKSSSSAFLEQLKPEMTLISVGKSNRMKLPHQETLTRL   716
NTDB id 189 SPR RS04300 WP 000942407.1          YGKFLDKQFLFTGNLEEKGEKDLLKHYPDLKVNVLKASQHGNKKSSSPAFLEKLKPELTLISVGKSNRMKLPYQETLTRL   716
NTDB id 223 SPD RS04540 WP 000942407.1          YGKFLDKQFLFTGNLEEKGEKDLLKHYPDLKVNVLKASQHGNKKSSSPAFLEKLKPELTLISVGKSNRMKLPYQETLTRL   716
NTDB id 154 SP RS04735 WP 000942394.1           YGKFLDKQFLFTGNLEEKGEKDLLKHYPDLKVNVLKASQHGNKKSSSPAFLEKLKPELTLISVGKSNRMKLPHQETLTRL   716
NTDB id 264 KZH43 RS04200 WP 000942407.1        YGKFLDKQFLFTGNLEEKGEKDLLKHYPDLKVNVLKASQHGNKKSSSPAFLEKLKPELTLISVGKSNRMKLPYQETLTRL   716
consensus                                       !!****** !!!!!*!!**!!**!***!!*!*! !!!****!! !*!!!**!*****!***!!!*!!*!!***! !!!!***
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logo
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NTDB id 596 KW2 RS08720 WP 021037686.1          AKYQVKTLRTDQKGAIKLTEVNQQWQIKTVR   736
NTDB id 1137590 DQL21 RS02955 WP 018029439.1    ERMQTLIYRTDQMGAVRFKGI.KQWQIEVVK   743
NTDB id 494 SM12261 RS04305 WP 000942409.1      ETINSKVYRTDQHGAIRFKGW.NSWKVETVG   746
NTDB id 522 SMSK321 RS04965 WP 000942453.1      EGINSKVYRTDQQGAIRFKGW.NSWKIESVR   746
NTDB id 189 SPR RS04300 WP 000942407.1          EGINSKVYRTDQQGAIRFKGL.DSWKIESVR   746
NTDB id 223 SPD RS04540 WP 000942407.1          EGINSKVYRTDQQGAIRFKGL.DSWKIESVR   746
NTDB id 154 SP RS04735 WP 000942394.1           EGINSKVYRTDQQGAIRFKGL.DSWKIESVR   746
NTDB id 264 KZH43 RS04200 WP 000942407.1        EGINSKVYRTDQQGAIRFKGL.DSWKIESVR   746
consensus                                       *******!!!!*!!******  *!****!*
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X non conserved

X similar

X ≥ 50% conserved