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logo
NTDB id 596 KW2 RS08720 WP 021037686.1      ..MRFLLIKFPLIFLTYLVVLLYFCIFTYNLPL....LILFICSILLALFRKYYLMIPILIVFAVFFLLINSLSIRDNENQPKTL   79
NTDB id 121055 DK41 RS04265 WP 000939910.1  MLQLTKYFPLKPIYLALLVFQIYLLVFSWTMLGCAFLLFTFIFLIYQYDRETIFKTIAIVIFFLFYFLWQNHNMNVQYQRVPNHI   85
NTDB id 494 SM12261 RS04305 WP 000942409.1  MLQWIKNFSIPLIYLSFLLLWLYYAIFSSSYLALLGFVFLLVCLFIQFPWKSAGKVLIICGIFGFWFLFQNWQQSQASQNLADSV   85
NTDB id 522 SMSK321 RS04965 WP 000942453.1  MLQWTKNFPIPLIYLSFLLLWLYYAIFSVSYLALLGFVFLLVCLFIQFLWKSAGKVLVICGIFGFWFVFQNWQQSQASQNLSDSV   85
NTDB id 189 SPR RS04300 WP 000942407.1      MLQWIKNFSIPLIYLSFLLLWLYYAIFSASYLALLGFVFLLVCLFIQFPWKSAGKVLIICGIFGFWFVFQNWQQSQASQNLADSV   85
NTDB id 223 SPD RS04540 WP 000942407.1      MLQWIKNFSIPLIYLSFLLLWLYYAIFSASYLALLGFVFLLVCLFIQFPWKSAGKVLIICGIFGFWFVFQNWQQSQASQNLADSV   85
NTDB id 154 SP RS04735 WP 000942394.1       MLQWIKNFSIPLIYLSFLLLWLYYAIFSASYLALLGFVFLLVCLFIQFPWKSAGKVLIICGIFGFWFVFQNWQQSQASQNLADSV   85
NTDB id 264 KZH43 RS04200 WP 000942407.1    MLQWIKNFSIPLIYLSFLLLWLYYAIFSASYLALLGFVFLLVCLFIQFPWKSAGKVLIICGIFGFWFVFQNWQQSQASQNLADSV   85
consensus                                   *************!*!**!****!***!*  ****************************!***!***!***!**************

logo
NTDB id 596 KW2 RS08720 WP 021037686.1      SKIELISDTIQVNGDLLSFQGRMNGQNYQVYDTLKSLKEKKFYQNLSQNCQLSFTGNLQIPETQRNFNGFDDQKYLASQNIYRQI  164
NTDB id 121055 DK41 RS04265 WP 000939910.1  SQIEVRIDTISINGDVLSFQADASGNTYQAFYTLKNKSEKDYFQNLDNNIMIIADIKLEEAEERRHFNGFDYRQYLKRHGIYRIA  170
NTDB id 494 SM12261 RS04305 WP 000942409.1  ERVRILPDTVKVNGDSLSFRGKSDGRIFQVYYKLQSEEEKEAFQALTDLHEIGLEGKLSEPDGQRNFGGFDYQAYLKTQGIYQTL  170
NTDB id 522 SMSK321 RS04965 WP 000942453.1  EIVRILPDTIKVNGDSLSFRGKADGRIFQVYYKLQSEEEKETFQILTALHDLELEGKLSEPEGKRNFGGFDYQAYLKTQGIYQTL  170
NTDB id 189 SPR RS04300 WP 000942407.1      ERVRILPDTVKVNGDSLSFRGKADGRIFQVYYKLQSEEEKEAFQALTDLHEIGLEGKLSEPEGQRNFGGFNYQAYLKTQGIYQTL  170
NTDB id 223 SPD RS04540 WP 000942407.1      ERVRILPDTVKVNGDSLSFRGKADGRIFQVYYKLQSEEEKEAFQALTDLHEIGLEGKLSEPEGQRNFGGFNYQAYLKTQGIYQTL  170
NTDB id 154 SP RS04735 WP 000942394.1       ERVRILPDTIKVNGDSLSFRGKSNGRAFQVYYKLQSEEEKEAFQALTDLHEIGLEGKLSEPEGQRNFGGFNYQAYLKTQGIYQTL  170
NTDB id 264 KZH43 RS04200 WP 000942407.1    ERVRILPDTVKVNGDSLSFRGKADGRIFQVYYKLQSEEEKEAFQALTDLHEIGLEGKLSEPEGQRNFGGFNYQAYLKTQGIYQTL  170
consensus                                   *******!!***!!!*!!!*****!***!****!****!!***!*!***********!******!*!*!!  ***!!****!!***

logo
NTDB id 596 KW2 RS08720 WP 021037686.1      TIQQITNVEIKKNFD....LHTLRRKAIVWTQNHFPKPMSDYMTGLLFGFLSKDFNQMSDIYSSLGIIHLFALSGMQVNFFIDWF  245
NTDB id 121055 DK41 RS04265 WP 000939910.1  KVTKIKQIRLFQHRSFFDLMS.KWRRSAIVISQTFPNPMRHYMSGLLFGYLDKTFDDMSDLYSSLGIIHLFALSGMQVGFFLGIF  254
NTDB id 494 SM12261 RS04305 WP 000942409.1  TIKRIQSLQKVSSWDIGENLSSLRRKTVVWIKTHFPDPMRNYMTGLLLGHLDTDFEEMNGLYSSLGIIHLFALSGMQVGFFMDGF  255
NTDB id 522 SMSK321 RS04965 WP 000942453.1  NIKKIQSLQKVGSWDLGENLSSLRRKAVVWIKTHFPDPMRNYMTGLLLGHLDTDFEEMNELYSSLGIIHLFALSGMQVGFFMDGF  255
NTDB id 189 SPR RS04300 WP 000942407.1      NIKKIQSLQKIGSWDIGENLSSLRRKAVVWIKTHFPDPMRNYMTGLLLGHLDTDFEEMNELYSSLGIIHLFALSGMQVGFFMNGF  255
NTDB id 223 SPD RS04540 WP 000942407.1      NIKKIQSLQKIGSWDIGENLSSLRRKAVVWIKTHFPDPMRNYMTGLLLGHLDTDFEEMNELYSSLGIIHLFALSGMQVGFFMNGF  255
NTDB id 154 SP RS04735 WP 000942394.1       NIKTIQSLQKIGSWDIGENLSSLRRKAVVWIKTHFPDPMGNYMTGLLLGHLDTDFEEMNELYSSLGIIHLFALSGMQVGFFMNGF  255
NTDB id 264 KZH43 RS04200 WP 000942407.1    NIKKIQSLQKIGSWDIGENLSSLRRKAVVWIKTHFPDPMRNYMTGLLLGHLDTDFEEMNELYSSLGIIHLFALSGMQVGFFMNGF  255
consensus                                   ****!*****************!********!!*!!**!!*!!!*!*!***!**!***!!!!!!!!!!!!!!!!!*!!*  *!

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NTDB id 596 KW2 RS08720 WP 021037686.1      RKILLRMGLTREIVNLVQIPFSIFYAFMTGLSVSVLRALFQKNIR...LTSLDNIGVTTLVLMLISPKFLLTTGGQLTLFYAFVI  327
NTDB id 121055 DK41 RS04265 WP 000939910.1  RYICLRIGLRLDHVWLLQIPFSLIYAGLTGFSISVVRALIQSLLSHSGVKKDENFAFCLLICLISLPHSLLTTGGVLSFAYAFIL  339
NTDB id 494 SM12261 RS04305 WP 000942409.1  KKLLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSLLQKLLAQHGVKGLDNFALTVLVLFIVMPNFFLTAGGVLSCAYAFIL  340
NTDB id 522 SMSK321 RS04965 WP 000942453.1  KKLLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSLLQKLLAQHGVKGLDNFALTVLVLFIIMPNFFLTAGGVLSCAYAFIL  340
NTDB id 189 SPR RS04300 WP 000942407.1      KKLLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSLLQKLLAQHGVKGLDNFALTVLVLFIVMPNFFFTAGGVLSCAYAFIL  340
NTDB id 223 SPD RS04540 WP 000942407.1      KKLLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSLLQKLLAQHGVKGLDNFALTVLVLFIVMPNFFFTAGGVLSCAYAFIL  340
NTDB id 154 SP RS04735 WP 000942394.1       KKLLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSLLQKLLAQHGVKGLDNFALTVLVLFIVMPNFFLTAGGVLSCAYAFIL  340
NTDB id 264 KZH43 RS04200 WP 000942407.1    KKLLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSLLQKLLAQHGVKGLDNFALTVLVLFIVMPNFFFTAGGVLSCAYAFIL  340
consensus                                   ****!!*!!**********!!!**!!**!!*!*!!*!*!*!*************!*****!******!****!*!!*!***!!!**
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logo
NTDB id 596 KW2 RS08720 WP 021037686.1      SMLNHPFSNLNGLKKVLTESAVLSLCVLPLLIFDFHIFQPLSILLTIIFGFLFDFMLLPLLLCCFLISFLGFSLNLNFIFQILEW   412
NTDB id 121055 DK41 RS04265 WP 000939910.1  TMTS..FDHFSSIKKLAIESLTVSVGILPILTYYFSGFQPISIILTALLSFAFDIIFLPLLTVIFVLSPIVKLSCINSLFEILEV   422
NTDB id 494 SM12261 RS04305 WP 000942409.1  TMTS..KEG.EGLKAVARESLVISLGILPILSFYFAEFQPWSILLTFVFSFLFDLVFLPLLSILFALSFLHPVIQLNFIFEWLEG   422
NTDB id 522 SMSK321 RS04965 WP 000942453.1  TMTS..KEG.EGLKAVARESLVISLGILPILSFYFAEFQPWSILLTFVFSFLFDLVFLPLLSVLFALSFLYPVIQLNFIFEWLEG   422
NTDB id 189 SPR RS04300 WP 000942407.1      TMTS..KEG.EGLKAVASESLVISLGILPILSFYFAEFQPWSILLTFVFSFLFDLTFLPLLSILFVLSFLYPVIQLNFIFEWLEG   422
NTDB id 223 SPD RS04540 WP 000942407.1      TMTS..KEG.EGLKAVASESLVISLGILPILSFYFAEFQPWSILLTFVFSFLFDLTFLPLLSILFVLSFLYPVIQLNFIFEWLEG   422
NTDB id 154 SP RS04735 WP 000942394.1       TMTS..KEG.EGLKAVTSESLVISLGILPILSFYFAEFQPWSILLTFVFSFLFDLVFLPLLSILFVLSFLYPVIQLNFIFEWLEG   422
NTDB id 264 KZH43 RS04200 WP 000942407.1    TMTS..KEG.EGLKAVASESLVISLGILPILSFYFAEFQPWSILLTFVFSFLFDLTFLPLLSILFVLSFLYPVIQLNFIFEWLEG   422
consensus                                   *!**  *** ***!****!!***!***!!*!***!**!!!*!!*!!****!*!!***!!!!***!**!********!**!**!!*

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NTDB id 596 KW2 RS08720 WP 021037686.1      LVHKVDLPLHYPFVLGKPSSLELIILFVLIGLFVDSFSHKKRRFFLVGFIFLFFFITKNPMRASITAVDIGQGDSIFLQDKFNKE   497
NTDB id 121055 DK41 RS04265 WP 000939910.1  LLKWTGQLFPRPLIFGKPSLFLLIVMIIILGLLYDYYHSKCFRYCSLLIIFTLFFITKNPITNEVAILDVGQGDSILVRDWLG.K   506
NTDB id 494 SM12261 RS04305 WP 000942409.1  MIRFVSQVASRPLVFGQPNAWILLLLLISLALVYDLRKNIKRLAVLSLLITGLFFLTKHPLENEITMLDVGQGESIFLRDVTG.K   506
NTDB id 522 SMSK321 RS04965 WP 000942453.1  MIRLVSQVASRPLVFGQPNAWLLLLLLISLALVYDLRKNIKRLAVLSLLITGLFFLTKYPLENEITMLDVGQGESIFLRDVAG.K   506
NTDB id 189 SPR RS04300 WP 000942407.1      IIRLVSQVTSRPLVFGQPNTWLLLLLLISLALVYDLRKNIKKLTVLCLLITGLFLLTKHPLENEITMLDVGQGESIFLRDVTG.K   506
NTDB id 223 SPD RS04540 WP 000942407.1      IIRLVSQVTSRPLVFGQPNTWLLLLLLISLALVYDLRKNIKKLTVLCLLITGLFLLTKHPLENEITMLDVGQGESIFLRDVTG.K   506
NTDB id 154 SP RS04735 WP 000942394.1       IIRLVSQVARRPLVFGQPNAWLLLLLLISLALVYDLRKNIKGLTVLSLLITGLFFLTKYPLENEITMLDVGQGESIFLRDVTG.K   506
NTDB id 264 KZH43 RS04200 WP 000942407.1    IIRLVSQVTSRPLVFGQPNTWLLLLLLISLALVYDLRKNIKKLTVLCLLITGLFLLTKHPLENEITMLDVGQGESIFLRDVTG.K   506
consensus                                   ******** **!***!*!* **!!*******!**!******** **  **!***!**!!  !*******!*!!!*!!***!***  *

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NTDB id 596 KW2 RS08720 WP 021037686.1      NILIDTGGRLAL..PQKNWQKAQTQSNADKTLIPYLESMGVAHIDQLILTHTDADHVGDFLSLADKIKIREIWVSPGELTNSSFV   580
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NTDB id 494 SM12261 RS04305 WP 000942409.1  IILIDVGGKAESSKKIEKWQEKTTTSNAQRTLIPYLKSRGVSKIDQLILTNTDKEYVGDLLEVTKAFHVGEILVSKGSLKQKQFV   591
NTDB id 522 SMSK321 RS04965 WP 000942453.1  TILIDVGGKAESDKKIEKWQEKATTSNAQRTLIPYLKSRGVAKIDQLILTNTDKEHVGDLLEVTKAFHVGEILVSKGSLKQKEFV   591
NTDB id 189 SPR RS04300 WP 000942407.1      TILIDVGGKAESYKKIKKWQEKMTTSNAQRSLIPYLKSRGVAKIDQLILTNTDKEHVGDLSEMTKAFHVGEILVSKDSLKQKEFV   591
NTDB id 223 SPD RS04540 WP 000942407.1      TILIDVGGKAESYKKIKKWQEKMTTSNAQRSLIPYLKSRGVAKIDQLILTNTDKEHVGDLSEMTKAFHVGEILVSKDSLKQKEFV   591
NTDB id 154 SP RS04735 WP 000942394.1       TILIDVGGKAESYKKIKKWQEKMTTSNAQRTLIPYLKSRGVAKIDQLILTNTDKEHVGDLSEMTKAFHVGEILVSKDSLKQKEFV   591
NTDB id 264 KZH43 RS04200 WP 000942407.1    TILIDVGGKAESYKKIKKWQEKMTTSNAQRSLIPYLKSRGVAKIDQLILTNTDKEHVGDLSEMTKAFHVGEILVSKDSLKQKEFV   591
consensus                                   *!!!!*!!**** *****!******!!!***!!!!!*!*!***!!*!**!*!!****!!* ************!* *!*****!

logo
NTDB id 596 KW2 RS08720 WP 021037686.1      EKLKKAKIPIHVSKVGDKIPIFDSFLQVLSNGYTKKGDNNDSIVTYGNFYHTKFLFTGDLEQEGEKKLLQNYPKLQVDVLKVGHH   665
NTDB id 121055 DK41 RS04265 WP 000939910.1  KRLSKIGVAVKSIEAGDKLSVMGSYLQVLYPWHKGDGKNNDSIVLYGHLLGKGFLFTGDLEEEGEKQLLEAYPNLSVDILKAGHH   675
NTDB id 494 SM12261 RS04305 WP 000942409.1  AELQATQTKVRSITAGENLSIFGSQLEVLSPRKIGDGGYEDSLVLYGKLLDKYFLFTGNLEEKGEKELLKHYPDLKVDVLKAGQH   676
NTDB id 522 SMSK321 RS04965 WP 000942453.1  AELQATQIKVHSVAEGENVPIFGSQLEVLSPRKIGDGGHDDSLVLYGKLLDKHFLFTGNLEEKGEKDLLKQYPDLEVDVLKASQH   676
NTDB id 189 SPR RS04300 WP 000942407.1      AELQATQTKVRSMIVGENLPIFGSQLEVLSPRKMGDGGHDDTLVLYGKFLDKQFLFTGNLEEKGEKDLLKHYPDLKVNVLKASQH   676
NTDB id 223 SPD RS04540 WP 000942407.1      AELQATQTKVRSMIVGENLPIFGSQLEVLSPRKMGDGGHDDTLVLYGKFLDKQFLFTGNLEEKGEKDLLKHYPDLKVNVLKASQH   676
NTDB id 154 SP RS04735 WP 000942394.1       AELQATQTKVRSMIVGENLPIFGSQLEVLSPRKMGDGGHDDTLVLYGKFLDKQFLFTGNLEEKGEKDLLKHYPDLKVNVLKASQH   676
NTDB id 264 KZH43 RS04200 WP 000942407.1    AELQATQTKVRSMIVGENLPIFGSQLEVLSPRKMGDGGHDDTLVLYGKFLDKQFLFTGNLEEKGEKDLLKHYPDLKVNVLKASQH   676
consensus                                   **!********** *!*******!*!*!!*******!***!**!*!!***** !!!!!*!!**!!!*!!**!!*!*!  *!!***!
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logo
NTDB id 596 KW2 RS08720 WP 021037686.1      GSKTSSSPEFIKEIHPKLALISVGKANRYGHPNQETLETLAKYQVKTLRTDQKGAIKLTEVNQQWQIKTVR   736
NTDB id 121055 DK41 RS04265 WP 000939910.1  GSKGSSSLSFLKKLSPSVVLVSAGKNNRYQHPHQETLQRFQKIKSKIFRTDQSGTIRLTGWW.KWHIQTVR   745
NTDB id 494 SM12261 RS04305 WP 000942409.1  GSKKSSSSDFLEKLKPEFTLISVGKNNRAKLPHQETLTRLETINSKVYRTDQHGAIRFKGWN.SWKVETVG   746
NTDB id 522 SMSK321 RS04965 WP 000942453.1  GSKKSSSSAFLEQLKPEMTLISVGKSNRMKLPHQETLTRLEGINSKVYRTDQQGAIRFKGWN.SWKIESVR   746
NTDB id 189 SPR RS04300 WP 000942407.1      GNKKSSSPAFLEKLKPELTLISVGKSNRMKLPYQETLTRLEGINSKVYRTDQQGAIRFKGLD.SWKIESVR   746
NTDB id 223 SPD RS04540 WP 000942407.1      GNKKSSSPAFLEKLKPELTLISVGKSNRMKLPYQETLTRLEGINSKVYRTDQQGAIRFKGLD.SWKIESVR   746
NTDB id 154 SP RS04735 WP 000942394.1       GNKKSSSPAFLEKLKPELTLISVGKSNRMKLPHQETLTRLEGINSKVYRTDQQGAIRFKGLD.SWKIESVR   746
NTDB id 264 KZH43 RS04200 WP 000942407.1    GNKKSSSPAFLEKLKPELTLISVGKSNRMKLPYQETLTRLEGINSKVYRTDQQGAIRFKGLD.SWKIESVR   746
consensus                                   ! !*!!!**!*****!***!*!*!!*!!***! !!!!*********!**!!!!*!*!*****  *!****!*
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X non conserved

X similar

X ≥ 50% conserved