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logo

NTDB id 615 LCA RS02545 WP 011374200.1      MGQ.QVIACGRQFTAAQLADTQNNNYSL....PQIKRRPA.FLRVKHRLVCQRCQQVV.PPQTCLPDGRHYCAQCLLFGRLVEGD   78
NTDB id 593 KW2 RS05130 WP 021037147.1      MNLILENLLGHLLLEKDISAFNNFTDQVNNENKL.IKIGAMTSVNANKVRCNRCGTIHIKTNVKLPIGAFFCPTCLELGRVRSDE   84
NTDB id 91126 SUT RS02305 WP 237373476.1    MNE.LQDYYGRLFTRNQLTAV.........ERERAQTIPS.ITE...KKTCFRCGTSF.EEEYQLPNGAFYCRACLLLGRVRSDE   70
NTDB id 277 KZH43 RS10090 WP 000867601.1    MKV.NLDYLGRLFTENELTEE.........ERQLAEKLPA.MRKEKGKLFCQRCNSTI.LEEWYLPIGAYYCRECLLMKRVRSDQ   73
NTDB id 236 SPD RS10765 WP 000867601.1      MKV.NLDYLGRLFTENELTEE.........ERQLAEKLPA.MRKEKGKLFCQRCNSTI.LEEWYLPIGAYYCRECLLMKRVRSDQ   73
NTDB id 202 SPR RS10250 WP 000867601.1      MKV.NLDYLGRLFTENELTEE.........ERQLAEKLPA.MRKEKGKLFCQRCNSTI.LEEWYLPIGAYYCRECLLMKRVRSDQ   73
NTDB id 167 SP RS11275 WP 000867616.1       MKV.NLDYLGRLFTENELTEE.........ERQLAEKLPA.MRKEKGKLFCQRCNSTI.LEEWYLPIGAYYCRECLLMKRVRSDQ   73
NTDB id 507 SM12261 RS09240 WP 000867722.1  MKV.NPNYLGRLFTENELTEE.........ERQLAEKLPA.MRKEKGKLFCQRCNSTI.LEEWYLPIGTYYCRECLLMKRVRSDQ   73
NTDB id 535 SMSK321 RS10515 WP 000867726.1  MKV.NPNYLGRLFTENELTKE.........ERQLAEKLPA.MRKEKGKLFCQRCDSAI.LDEWYLPIGAYYCRECLLMKRVRSDQ   73
consensus                                   !** *****!***********         **********  *********!*!!**** *****!!*!***!**!!***!*****

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NTDB id 615 LCA RS02545 WP 011374200.1      WLYTVPECHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTEMLRQGILVALQKGQRVCLAAPRVAVCLE  163
NTDB id 593 KW2 RS05130 WP 021037147.1      YFYHLPQQDFPEKT..YLRWTGKLTENQEKISDALCQQITNNQKLLVQAVTGAGKTEMIYQLIEQILSHGGSVGLASPRIDVCIE  167
NTDB id 91126 SUT RS02305 WP 237373476.1    KLYYFPQRDFPRNT..CLQWKGRLTNWQQTISDALCANVEKRQATLVHAVTGAGKTEMIYHTVASVIDNGGAVCLASPRIDVCIE  153
NTDB id 277 KZH43 RS10090 WP 000867601.1    TLYYFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDVCLE  156
NTDB id 236 SPD RS10765 WP 000867601.1      TLYYFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDVCLE  156
NTDB id 202 SPR RS10250 WP 000867601.1      TLYYFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDVCLE  156
NTDB id 167 SP RS11275 WP 000867616.1       TLYYFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQVVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDVCLE  156
NTDB id 507 SM12261 RS09240 WP 000867722.1  SLYYFPQEDFPKQD..VLKWRGQLTPFQDKVSQGLLQAVDKQEPSLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDVCLE  156
NTDB id 535 SMSK321 RS10515 WP 000867726.1  VLYYFPQEDFAKQD..ILKWRGQLTPFQEKVSEGLIQAVDKQEPILVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDVCLE  156
consensus                                   **!**!********  *!*!*!*!!**!*******************!!!!!!!!!!***********!**!*!!*!!**!!*!

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NTDB id 615 LCA RS02545 WP 011374200.1      LYPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDAFPFVDNPVLATAVEQACKPQCALLYLTATP  248
NTDB id 593 KW2 RS05130 WP 021037147.1      LHQRLSRDFTCQ.IPLLYHE.GDSYFRSPLVVMTSHQLLRFKEAFDLLIIDEVDAFPFRDNDMLYFALENAKKINGTLLYLTATS  250
NTDB id 91126 SUT RS02305 WP 237373476.1    LYKRLQQDFSVP.ISLLHGE.SEVYFRTPLVIATTHQLLKFYRAFDLLLIDEVDAFPYADNPVLYRAVDNAVKPDGVQVFLTATS  236
NTDB id 277 KZH43 RS10090 WP 000867601.1    LYKRLQQDFSCG.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVKENGLRIFLTATS  239
NTDB id 236 SPD RS10765 WP 000867601.1      LYKRLQQDFSCG.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVKENGLRIFLTATS  239
NTDB id 202 SPR RS10250 WP 000867601.1      LYKRLQQDFSCG.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVKENGLRIFLTATS  239
NTDB id 167 SP RS11275 WP 000867616.1       LYKRLQQDFSCG.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVKENGLRIFLTATS  239
NTDB id 507 SM12261 RS09240 WP 000867722.1  LYKRLQKDFACE.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVKENGLRIFLTATS  239
NTDB id 535 SMSK321 RS10515 WP 000867726.1  LYKRLQDDFACE.ISLLYGE.SEPYFRTPLVVSTTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVKENGLRIFLTATS  239
consensus                                   !**!!***!**  !*!***! ***!****!!**!*!!!!*!**!!!****!!!!!!!**!!**!**!*****!*******!!!!*

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NTDB id 615 LCA RS02545 WP 011374200.1      TPATKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWRAQLKKGRLPKRLERDCQTYLKT.QQILLFVPQVRLLQPVANRLSTL  332
NTDB id 593 KW2 RS05130 WP 021037147.1      TDKLDKQIKKHEIKRLFLPRRFHGHPLVIPMFFWKKTFYK.............KFIEQRKTGFPLLIFVAEIDFGQDFAKNLQEK  322
NTDB id 91126 SUT RS02305 WP 237373476.1    TDQLEKKIKAGKLERLSLPRRFHGNPLVVPQKIWFSQFEQYLKKGRLTPKLAKAIQHQRKTGYPLLIFVPEISKGMEFTKIVKKA  321
NTDB id 277 KZH43 RS10090 WP 000867601.1    TNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQ  324
NTDB id 236 SPD RS10765 WP 000867601.1      TNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQ  324
NTDB id 202 SPR RS10250 WP 000867601.1      TNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQ  324
NTDB id 167 SP RS11275 WP 000867616.1       TNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQ  324
NTDB id 507 SM12261 RS09240 WP 000867722.1  TDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNHCLEKSRLSPKLKSYIEKQRKTGYPLLIFASEIKKGEQLKEIIQEQ  324
NTDB id 535 SMSK321 RS10515 WP 000867726.1  TDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNRYLEKKCLSPKLKSYIEKQRKTGYPLLIFASEIKKGEQLKEILQKE  324
consensus                                   ! ************** !!*!!!!**!**!************** ***************!!****!*!*****************
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logo
NTDB id 615 LCA RS02545 WP 011374200.1      LPAVRIETLHANDPDQIKKITAFRAQQIQLMVTTTILERGVTFKNVAVLVLGAEHMVFNEAVLVQIAGRAGRHKDYAQNPVHFYY   417
NTDB id 593 KW2 RS05130 WP 021037147.1      FPKEKMAFVASTTKSRKTIVEAFRKKQVSILITTSILERGVTFSSIDVFVINSEHPNFTKSALIQMAGRVGRDSKRPTGLVSFFH   407
NTDB id 91126 SUT RS02305 WP 237373476.1    FPSENIGFVSSQTENRLEIVEGFRNKNITILISTTILERGVTFPCVDVFVIQANHYLYSSSSLVQIAGRVGRSQERPTGLLHFFH   406
NTDB id 277 KZH43 RS10090 WP 000867601.1    FPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFH   409
NTDB id 236 SPD RS10765 WP 000867601.1      FPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFH   409
NTDB id 202 SPR RS10250 WP 000867601.1      FPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFH   409
NTDB id 167 SP RS11275 WP 000867616.1       FPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFH   409
NTDB id 507 SM12261 RS09240 WP 000867722.1  FPNEKIGFVSSITENRLEQVQAFRDRELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFH   409
NTDB id 535 SMSK321 RS10515 WP 000867726.1  FPHEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFH   409
consensus                                   *!*********************!!*********!*!!!!!!!!****!*!****!*******!*!**!!*!!**********!**
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logo
NTDB id 615 LCA RS02545 WP 011374200.1      QDYTRAIKGACRQIKTQNQRGRRLQSTV   445
NTDB id 593 KW2 RS05130 WP 021037147.1      SGKSLAMCQAQKEIKKMNRLGGF.....   430
NTDB id 91126 SUT RS02305 WP 237373476.1    EGSTRAIEKSIAEIKQMNKEAGYV....   430
NTDB id 277 KZH43 RS10090 WP 000867601.1    DGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 236 SPD RS10765 WP 000867601.1      DGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 202 SPR RS10250 WP 000867601.1      DGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 167 SP RS11275 WP 000867616.1       DGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 507 SM12261 RS09240 WP 000867722.1  DGLNTSIKKAIKEIQQMNKEAGL.....   432
NTDB id 535 SMSK321 RS10515 WP 000867726.1  DGLNTSIKKAIKEIQQMNKEAGL.....   432
consensus                                   **** ********!* *!*****
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X non conserved
X similar
X ≥ 50% conserved