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logo
NTDB id 615 LCA RS02545 WP 011374200.1      .MGQQVIACGRQFTAAQLADTQNN....NYSLPQIKRRPAFLRVKHRLVCQRCQQVV.PPQTCLPDGRHYCAQCLLFGRL   74
NTDB id 593 KW2 RS05130 WP 021037147.1      MNLIILENLLGHLLLEKDISAFNNFTDQVNNENKLIKIGAMTSVNANKVRCNRCGTIHIKTNVKLPIGAFFCPTCLELGRV   80
NTDB id 1024704 AB1F57 RS10620 WP 367985730.1 .MKELENYYGRLFTKYQLTAE.........ERQAAQTLPSMTEGG...ACFRCSTAF.SDRHCLPNGAYYCRECILLGRV   66
NTDB id 277 KZH43 RS10090 WP 000867601.1    .MKVNLDYLGRLFTENELTEE.........ERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWYLPIGAYYCRECLLMKRV   69
NTDB id 236 SPD RS10765 WP 000867601.1      .MKVNLDYLGRLFTENELTEE.........ERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWYLPIGAYYCRECLLMKRV   69
NTDB id 202 SPR RS10250 WP 000867601.1      .MKVNLDYLGRLFTENELTEE.........ERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWYLPIGAYYCRECLLMKRV   69
NTDB id 167 SP RS11275 WP 000867616.1       .MKVNLDYLGRLFTENELTEE.........ERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWYLPIGAYYCRECLLMKRV   69
NTDB id 507 SM12261 RS09240 WP 000867722.1  .MKVNPNYLGRLFTENELTEE.........ERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWYLPIGTYYCRECLLMKRV   69
NTDB id 535 SMSK321 RS10515 WP 000867726.1  .MKVNPNYLGRLFTENELTKE.........ERQLAEKLPAMRKEKGKLFCQRCDSAI.LDEWYLPIGAYYCRECLLMKRV   69
consensus                                    ***** **!***********         *******************!*!!**** *****!!*!***!**!****!*

logo
NTDB id 615 LCA RS02545 WP 011374200.1      VEGDWLYTVPFCHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTEMLRQGILVALQKGQRVCLA   154
NTDB id 593 KW2 RS05130 WP 021037147.1      RSDEYFYHLPQQDFPEKT..YLRWTGKLTENQEKISDALCQQITNNQKLLVQAVTGAGKTEMIYQLIEQILSHGGSVGLA   158
NTDB id 1024704 AB1F57 RS10620 WP 367985730.1 RSDEELYYFPQQDFPENA..CLKWSGQLTDWQQKISNGLCANIEKRRPTLVHAVTGAGKTEMIYHAVAQVIDHGGAVCLA   144
NTDB id 277 KZH43 RS10090 WP 000867601.1    RSDQTLYYFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA   147
NTDB id 236 SPD RS10765 WP 000867601.1      RSDQTLYYFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA   147
NTDB id 202 SPR RS10250 WP 000867601.1      RSDQTLYYFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA   147
NTDB id 167 SP RS11275 WP 000867616.1       RSDQTLYYFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQVVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA   147
NTDB id 507 SM12261 RS09240 WP 000867722.1  RSDQSLYYFPQEDFPKQD..VLKWRGQLTPFQDKVSQGLLQAVDKQEPSLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA   147
NTDB id 535 SMSK321 RS10515 WP 000867726.1  RSDQVLYYFPQEDFAKQD..ILKWRGQLTPFQEKVSEGLIQAVDKQEPILVHAVTGAGKTEMIYQVVAKVINAGGAVCLA   147
consensus                                   ******!**!********  *!*!*!*!!**!*!*****************!!!!!!!!!!***********!**!*!!

logo
NTDB id 615 LCA RS02545 WP 011374200.1      APRVAVCLELYPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDAFPFVDNPVLATAVEQA   234
NTDB id 593 KW2 RS05130 WP 021037147.1      SPRIDVCIELHQRLSRDFTCQI.PLLYH.EGDSYFRSPLVVMTSHQLLRFKEAFDLLIIDEVDAFPFRDNDMLYFALENA   236
NTDB id 1024704 AB1F57 RS10620 WP 367985730.1 SPRIDVCIELYKRLQQDFAVPI.SLLHG.QSDPYFRTPLVVATTHQLLKFYQAFDLVLIDEVDAFPYADNPMLYRAVDNA   222
NTDB id 277 KZH43 RS10090 WP 000867601.1    SPRIDVCLELYKRLQQDFSCGI.ALLHG.ESEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS   225
NTDB id 236 SPD RS10765 WP 000867601.1      SPRIDVCLELYKRLQQDFSCGI.ALLHG.ESEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS   225
NTDB id 202 SPR RS10250 WP 000867601.1      SPRIDVCLELYKRLQQDFSCGI.ALLHG.ESEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS   225
NTDB id 167 SP RS11275 WP 000867616.1       SPRIDVCLELYKRLQQDFSCGI.ALLHG.ESEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS   225
NTDB id 507 SM12261 RS09240 WP 000867722.1  SPRIDVCLELYKRLQKDFACEI.ALLHG.ESEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS   225
NTDB id 535 SMSK321 RS10515 WP 000867726.1  SPRIDVCLELYKRLQDDFACEI.SLLYG.ESEPYFRTPLVVSTTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS   225
consensus                                   *!!**!!*!!**!!***!** * *!*** ****!****!!**!*!!!!*!**!!!****!!!!!!!**!!**!**!****

logo
NTDB id 615 LCA RS02545 WP 011374200.1      CKPQCALLYLTATPTPAIKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWRAQLKKGRLPKRLERDCQTYLK.TQQIL   313
NTDB id 593 KW2 RS05130 WP 021037147.1      KKINGTLLYLTATSTDKLDKQIKKHEIKRLFLPRRFHGHPLVIPMFFWKKTFYKK.............FIEQRKTGFPLL   303
NTDB id 1024704 AB1F57 RS10620 WP 367985730.1 VKADGLQVFLTATSTDELDRKVKSSQLERLSLPRRFHGNPLIVPEKVWFSQFDQSLKKDKLVVKLKQAIRNQRKTSFPLL   302
NTDB id 277 KZH43 RS10090 WP 000867601.1    VKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLL   305
NTDB id 236 SPD RS10765 WP 000867601.1      VKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLL   305
NTDB id 202 SPR RS10250 WP 000867601.1      VKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLL   305
NTDB id 167 SP RS11275 WP 000867616.1       VKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLL   305
NTDB id 507 SM12261 RS09240 WP 000867722.1  VKENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNHCLEKSRLSPKLKSYIEKQRKTGYPLL   305
NTDB id 535 SMSK321 RS10515 WP 000867726.1  VKENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNRYLEKKCLSPKLKSYIEKQRKTGYPLL   305
consensus                                   *!*******!!!!*! ************** !!*!!!!**!**!*************** **************!*****!
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logo
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NTDB id 615 LCA RS02545 WP 011374200.1          LFVPQVRLLQPVANRLSTLLPAVRIETLHANDPDQIKKITAFRAQQIQLMVTTTILERGVTFKNVAVLVLGAEHMVFNEA   393
NTDB id 593 KW2 RS05130 WP 021037147.1          IFVAEIDFGQDFAKNLQEKFPKEKMAFVASTTKSRKTIVEAFRKKQVSILITTSILERGVTFSSIDVFVINSEHPNFTKS   383
NTDB id 1024704 AB1F57 RS10620 WP 367985730.1   IFLPEISKGQEFVAILEREFPDEKIGFVSSQMENRLEIVQGFRDRTITILVSTTILERGVTFPMVDVMVVQANHYLYTSS   382
NTDB id 277 KZH43 RS10090 WP 000867601.1        IFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKS   385
NTDB id 236 SPD RS10765 WP 000867601.1          IFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKS   385
NTDB id 202 SPR RS10250 WP 000867601.1          IFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKS   385
NTDB id 167 SP RS11275 WP 000867616.1           IFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKS   385
NTDB id 507 SM12261 RS09240 WP 000867722.1      IFASEIKKGEQLKEIIQEQFPNEKIGFVSSITENRLEQVQAFRDRELTILISTTILERGVTFPCVDVFVVEANHRLFTKS   385
NTDB id 535 SMSK321 RS10515 WP 000867726.1      IFASEIKKGEQLKEILQKEFPHEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKS   385
consensus                                       *!******************!*******************!!*********!*!!!!!!!!****!*!****!******
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logo
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NTDB id 615 LCA RS02545 WP 011374200.1          VLVQIAGRAGRHKDYAQNPVHFYYQDYTRAIKGACRQIKTQNQRGRRLQSTV   445
NTDB id 593 KW2 RS05130 WP 021037147.1          ALIQMAGRVGRDSKRPTGLVSFFHSGKSLAMCQAQKEIKKMNRLGGF.....   430
NTDB id 1024704 AB1F57 RS10620 WP 367985730.1   SLVQIGGRVGRSMDRPTGLLLFFHEGSTRAIEKAIAEIKFMNKEAGYV....   430
NTDB id 277 KZH43 RS10090 WP 000867601.1        SLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 236 SPD RS10765 WP 000867601.1          SLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 202 SPR RS10250 WP 000867601.1          SLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 167 SP RS11275 WP 000867616.1           SLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 507 SM12261 RS09240 WP 000867722.1      SLIQIGGRVGRSMDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL.....   432
NTDB id 535 SMSK321 RS10515 WP 000867726.1      SLIQIGGRVGRSMDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL.....   432
consensus                                       *!*!**!!*!!**********!****** ****!***!* *!*****
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X non conserved

X similar

X $\geq$ 50% conserved