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logo

NTDB id 167 SP RS11275 WP 000867616.1          MKVNLDYLGRLFTENELTEEE.....RQLAEKLPAMRKEKGKLFCQRCNSTILEEWYLPIGAYYCRECLLMKRVRSDQTL   75
NTDB id 277 KZH43 RS10090 WP 000867601.1       MKVNLDYLGRLFTENELTEEE.....RQLAEKLPAMRKEKGKLFCQRCNSTILEEWYLPIGAYYCRECLLMKRVRSDQTL   75
NTDB id 236 SPD RS10765 WP 000867601.1         MKVNLDYLGRLFTENELTEEE.....RQLAEKLPAMRKEKGKLFCQRCNSTILEEWYLPIGAYYCRECLLMKRVRSDQTL   75
NTDB id 202 SPR RS10250 WP 000867601.1         MKVNLDYLGRLFTENELTEEE.....RQLAEKLPAMRKEKGKLFCQRCNSTILEEWYLPIGAYYCRECLLMKRVRSDQTL   75
NTDB id 507 SM12261 RS09240 WP 000867722.1     MKVNPNYLGRLFTENELTEEE.....RQLAEKLPAMRKEKGKLFCQRCNSTILEEWYLPIGTYYCRECLLMKRVRSDQSL   75
NTDB id 535 SMSK321 RS10515 WP 000867726.1     MKVNPNYLGRLFTENELTKEE.....RQLAEKLPAMRKEKGKLFCQRCDSAILDEWYLPIGAYYCRECLLMKRVRSDQVL   75
NTDB id 1148422 MFPB19 RS02685 WP 056948838.1 MGQPVIACGRQFTAAQLADTQNNNYSLPQIERRPAFLRVKQRLICQRCQQVVPSQTCLPDGRHYCAQCLLFGRLVEGDWL   80
NTDB id 615 LCA RS02545 WP 011374200.1         MGQQVIACGRQFTAAQLADTQNNNYSLPQIKRRPAFLRVKHRLVCQRCQQVVPPQTCLPDGRHYCAQCLLFGRLVEGDWL   80
consensus                                      !**** **!!*!!***!****      *******!!****!**!*!!!!*********!!*!**!!**!!!**!******!

logo

NTDB id 167 SP RS11275 WP 000867616.1          YYFPQEDFPK..QDVLKWRGQLTPFQEKVSEGLLQVVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDV  153
NTDB id 277 KZH43 RS10090 WP 000867601.1       YYFPQEDFPK..QDVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDV  153
NTDB id 236 SPD RS10765 WP 000867601.1         YYFPQEDFPK..QDVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDV  153
NTDB id 202 SPR RS10250 WP 000867601.1         YYFPQEDFPK..QDVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDV  153
NTDB id 507 SM12261 RS09240 WP 000867722.1     YYFPQEDFPK..QDVLKWRGQLTPFQDKVSQGLLQAVDKQEPSLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDV  153
NTDB id 535 SMSK321 RS10515 WP 000867726.1     YYFPQEDFAK..QDILKWRGQLTPFQEKVSEGLIQAVDKQEPILVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDV  153
NTDB id 1148422 MFPB19 RS02685 WP 056948838.1 YTIPEDHLFKTATPKLTWAGQLTVYQEQAAQAVVAVIQAHKWHVLTAVTGAGKTEMLFQGILVALQKGQRVCLAAPRVAV  160
NTDB id 615 LCA RS02545 WP 011374200.1         YTVPECHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTEMLFQGILVALQKGQRVCLAAPRVAV  160
consensus                                      !**!******  ***!*!*!!!!**!*******************!!!!!!!!!!**!********!**!!!!*!!**!

logo

NTDB id 167 SP RS11275 WP 000867616.1          CLELYKRLQQDFSCG.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVKENGL  231
NTDB id 277 KZH43 RS10090 WP 000867601.1       CLELYKRLQQDFSCG.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVKENGL  231
NTDB id 236 SPD RS10765 WP 000867601.1         CLELYKRLQQDFSCG.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVKENGL  231
NTDB id 202 SPR RS10250 WP 000867601.1         CLELYKRLQQDFSCG.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVKENGL  231
NTDB id 507 SM12261 RS09240 WP 000867722.1     CLELYKRLQKDFACE.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVKENGL  231
NTDB id 535 SMSK321 RS10515 WP 000867726.1     CLELYKRLQDDFACE.ISLLYGE.SEPYFRTPLVVSTTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVKENGL  231
NTDB id 1148422 MFPB19 RS02685 WP 056948838.1 CLELYPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDAFPFVDNPVLATAVEQACKPQCA  240
NTDB id 615 LCA RS02545 WP 011374200.1         CLELYPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDAFPFVDNPVLATAVEQACKPQCA  240
consensus                                      !!!!!*!!!! *! *  !*!**!! *!!!**!*!!**!!!!!!!!!*!!!**!!!!!!!!*!!!!*!**!!****!****

logo

NTDB id 167 SP RS11275 WP 000867616.1          RIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEI  311
NTDB id 277 KZH43 RS10090 WP 000867601.1       RIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEI  311
NTDB id 236 SPD RS10765 WP 000867601.1         RIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEI  311
NTDB id 202 SPR RS10250 WP 000867601.1         RIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEI  311
NTDB id 507 SM12261 RS09240 WP 000867722.1     RIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNHCLEKSRLSPKLKSYIEKQRKTGYPLLIFASEI  311
NTDB id 535 SMSK321 RS10515 WP 000867726.1     RIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNRYLEKKCLSPKLKSYIEKQRKTGYPLLIFASEI  311
NTDB id 1148422 MFPB19 RS02685 WP 056948838.1 LLYLTATPTPAIKRAIAAKQMTVSELPLRFHGGILPEPQRHVAFNWRPRLKKGRLPKRLEHDCQICLK.NQQILLFVPQV  319
NTDB id 615 LCA RS02545 WP 011374200.1         LLYLTATPTPAIKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWRAQLKKGRLPKRLERDCQTYLK.TQQILLFVPQV  319
consensus                                      ***!!!!*!  ************** !!*!!!!**!**!***********!*!  *!***!********!*****!*!****
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NTDB id 167 SP RS11275 WP 000867616.1          KKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIG   391
NTDB id 277 KZH43 RS10090 WP 000867601.1       KKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIG   391
NTDB id 236 SPD RS10765 WP 000867601.1         KKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIG   391
NTDB id 202 SPR RS10250 WP 000867601.1         KKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIG   391
NTDB id 507 SM12261 RS09240 WP 000867722.1     KKGEQLKEIIQEQFPNEKIGFVSSITENRLEQVQAFRDRELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIG   391
NTDB id 535 SMSK321 RS10515 WP 000867726.1     KKGEQLKEILQKEFPHEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIG   391
NTDB id 1148422 MFPB19 RS02685 WP 056948838.1 RLLKPVANRLSILLPAVRIETVHANDPEQIEKIAAFRAQQIQLMVTTTILERGVTFKNVAVLVLGAEHMVFNEAVLVQIA   399
NTDB id 615 LCA RS02545 WP 011374200.1         RLLQPVANRLSTLLPAVRIETLHANDPDQIKKITAFRAQQIQLMVTTTILERGVTFKNVAVLVLGAEHMVFNEAVLVQIA   399
consensus                                      **************!***!************!!!*********!!!!!!!!!!**!*!*!**!*!**!****!*!!*
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logo
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NTDB id 167 SP RS11275 WP 000867616.1          GRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 277 KZH43 RS10090 WP 000867601.1       GRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 236 SPD RS10765 WP 000867601.1         GRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 202 SPR RS10250 WP 000867601.1         GRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 507 SM12261 RS09240 WP 000867722.1     GRVGRSMDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL.....   432
NTDB id 535 SMSK321 RS10515 WP 000867726.1     GRVGRSMDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL.....   432
NTDB id 1148422 MFPB19 RS02685 WP 056948838.1 GRAGRHKDYTQNPVHFYYQDYTRAIKGACRQIKAQNQRGWRLQSTV   445
NTDB id 615 LCA RS02545 WP 011374200.1         GRAGRHKDYAQNPVHFYYQDYTRAIKGACRQIKTQNQRGRRLQSTV   445
consensus                                      !!*!!**!*******!****** *!!*!***!* *!*****
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X non conserved

X similar

X $\geq$ 50% conserved