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NTDB id 108 BSU 35470 NP 391427.1          MNVPVEKNSSFSKELQQTLRSRHLLRTELSFSDEMIEW.HIKNGYITAENSISINKRRYRCNRCGQTDQRYFSFYHSSGK    79
NTDB id 593 KW2 RS05130 WP 021037147.1     MNLI...........LENLLGHLLLEKDISAFNNFTDQVNNENKLIKIGAMTSVNANKVRCNRCGTIHIKTNVK...LPI    66
NTDB id 277 KZH43 RS10090 WP 000867601.1   MKVN...........LDYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWY...LPI    55
NTDB id 236 SPD RS10765 WP 000867601.1     MKVN...........LDYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWY...LPI    55
NTDB id 202 SPR RS10250 WP 000867601.1     MKVN...........LDYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWY...LPI    55
NTDB id 167 SP RS11275 WP 000867616.1      MKVN...........LDYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWY...LPI    55
NTDB id 507 SM12261 RS09240 WP 000867722.1 MKVN...........PNYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWY...LPI    55
NTDB id 535 SMSK321 RS10515 WP 000867726.1 MKVN...........PNYLGRLFTENELT.........KEERQLAEKLPAMRKEKGKLFCQRCDSAI.LDEWY...LPI    55
NTDB id 275689 C5Z26 RS10480 WP 105449894.1 .M.Q...........ANFLYGRQL.....NLTV...AQASDLPVNTQRLMSMQVTASLVQCQRCHSRLKRAWAQ...LPN    56
NTDB id 615 LCA RS02545 WP 011374200.1     MG.Q...........QVIACGRQFTAAQLADTQ...NNNYSLPQTKRRPA.FLRVKHRLVCQRCQQVVP.PQTC...LPD    60
consensus                                  ****           ***************        ************************!*!!**** *****    ***
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NTDB id 108 BSU 35470 NP 391427.1          NKLYCRSCVMMGRVSEEVPLYSWKEENESNWKSIKLTWDGKLSSGQQKAANVLIEAISKKEELLIWAVCGAGKTEMLFPG   159
NTDB id 593 KW2 RS05130 WP 021037147.1     GAFFCPTCLELGRVRSDEYFYHLPQQ.DFP.EKTYLRWTGKLTENQEKISDALCQQITNNQKLLVQAVTGAGKTEMIYQL   144
NTDB id 277 KZH43 RS10090 WP 000867601.1   GAYYCRECLLMKRVRSDQTLYYFPQE.DFP.KQDVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQV   133
NTDB id 236 SPD RS10765 WP 000867601.1     GAYYCRECLLMKRVRSDQTLYYFPQE.DFP.KQDVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQV   133
NTDB id 202 SPR RS10250 WP 000867601.1     GAYYCRECLLMKRVRSDQTLYYFPQE.DFP.KQDVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQV   133
NTDB id 167 SP RS11275 WP 000867616.1      GAYYCRECLLMKRVRSDQTLYYFPQE.DFP.KQDVLKWRGQLTPFQEKVSEGLLQVVDKQKPTLVHAVTGAGKTEMIYQV   133
NTDB id 507 SM12261 RS09240 WP 000867722.1 GTYYCRECLLMKRVRSDQSLYYFPQE.DFP.KQDVLKWRGQLTPFQDKVSQGLLQAVDKQEPSLVHAVTGAGKTEMIYQV   133
NTDB id 535 SMSK321 RS10515 WP 000867726.1 GAYYCRECLLMKRVRSDQVLYYFPQE.DFA.KQDILKWRGQLTPFQEKVSEGLIQAVDKQEPILVHAVTGAGKTEMIYQV   133
NTDB id 275689 C5Z26 RS10480 WP 105449894.1 QHYYCYQCLNLGRISTLTSLYHIPEPNDFP.NRPKLTWTGTLTPQQTACAATIQAKFATHQRHLLWAVTGAGKTEMLFPG   135
NTDB id 615 LCA RS02545 WP 011374200.1     GRHYCAQCLLFGRLVEGDWLYTVPECHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTEMLFQG   140
consensus                                  ****!**!****!*******!***** *** ****!*!*!*!***!*********************!!*!!!!!!!****
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NTDB id 108 BSU 35470 NP 391427.1          IESALNQGLRVCIATPRTDVVLELAPRLKAAFQGADISALYGGSDDKGRLSPLMISTTHQLLRYKDAIDVMIIDEVDAFP   239
NTDB id 593 KW2 RS05130 WP 021037147.1     IEQILSHGGSVGLASPRIDVCIELHQRLSRDFTC.QIPLLYHE.GDSYFRSPLVVMTSHQLLRFKEAFDLLIIDEVDAFP   222
NTDB id 277 KZH43 RS10090 WP 000867601.1   VAKVINAGGAVCLASPRIDVCLELYKRLQQDFSC.GIALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFP   211
NTDB id 236 SPD RS10765 WP 000867601.1     VAKVINAGGAVCLASPRIDVCLELYKRLQQDFSC.GIALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFP   211
NTDB id 202 SPR RS10250 WP 000867601.1     VAKVINAGGAVCLASPRIDVCLELYKRLQQDFSC.GIALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFP   211
NTDB id 167 SP RS11275 WP 000867616.1      VAKVINAGGAVCLASPRIDVCLELYKRLQQDFSC.GIALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFP   211
NTDB id 507 SM12261 RS09240 WP 000867722.1 VAKVINAGGAVCLASPRIDVCLELYKRLQKDFAC.EIALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFP   211
NTDB id 535 SMSK321 RS10515 WP 000867726.1 VAKVINAGGAVCLASPRIDVCLELYKRLQDDFAC.EISLLYGE.SEPYFRTPLVVSTTHQLLKFYQAFDLLIVDEVDAFP   211
NTDB id 275689 C5Z26 RS10480 WP 105449894.1 LAWALAQGLRVAVASPRVDVCLELYPRLQAAFASLDIALLHGRQTEPYRYCQLTVCTTHQLLRFRAAFDVLIIDEVDAFP   215
NTDB id 615 LCA RS02545 WP 011374200.1     ILVALQKGQRVCLAAPRVAVCLELYPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDAFP   220
consensus                                  *******!**!**!*!!**!**!!**!!* *!**  !****** ********!***!*!!!!****!*!**!*!!!!!!!
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NTDB id 108 BSU 35470 NP 391427.1          YSADQTLQFAVQKARKKNSTLVYLSATPPKELKRKALNGQLHSVRIPARHHRKPLPEPRFVWCGNWKKKLNRNKIPPAVK  319
NTDB id 593 KW2 RS05130 WP 021037147.1     FRDNDMLYFALENAKKINGTLLYLTATSTDKLDKQIKKHEIKRLFLPRRFHGHPLVIPMFFWKKTFYKK..........  291
NTDB id 277 KZH43 RS10090 WP 000867601.1   YVDNPMLYHAVKNSVKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLK  291
NTDB id 236 SPD RS10765 WP 000867601.1     YVDNPMLYHAVKNSVKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLK  291
NTDB id 202 SPR RS10250 WP 000867601.1     YVDNPMLYHAVKNSVKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLK  291
NTDB id 167 SP RS11275 WP 000867616.1      YVDNPMLYHAVKNSVKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLK  291
NTDB id 507 SM12261 RS09240 WP 000867722.1 YVDNPMLYHAVKNSVKENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNHCLEKSRLSPKLK  291
NTDB id 535 SMSK321 RS10515 WP 000867726.1 YVDNPMLYHAVKNSVKENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNRYLEKKCLSPKLK  291
NTDB id 275689 C5Z26 RS10480 WP 105449894.1 FAANPRLTYAVTQALKSTGALLYLTATPSQALLRQVRQHQLSISYLPLRFHQHLLPVIKVTLRPNWWRQIQHGQLPTVLR  295
NTDB id 615 LCA RS02545 WP 011374200.1     FVDNPVLATAVEQACKPQCALLYLTATPTPAIKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWRAQLKKGRLPKRLE  300
consensus                                  ******!**!*****!*******!*!!*********************  *!*!*!***!*********************
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NTDB id 108 BSU 35470 NP 391427.1          RWIEFHVKEGRPVFLFVPSVSILEKAAACFKGV..HCRTASVHAEDKHRKEKVQQFRDGQLDLLITTTILERGVTVPKVQ  397
NTDB id 593 KW2 RS05130 WP 021037147.1     ..FIEQRKTGFPLLIFVAEIDFGQDFAKNLQEKFPKEKMAFVASTTKSRKTIVEAFRKKQVSILITTSILERGVTFSSID  369
NTDB id 277 KZH43 RS10090 WP 000867601.1   SYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVD  371
NTDB id 236 SPD RS10765 WP 000867601.1     SYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVD  371
NTDB id 202 SPR RS10250 WP 000867601.1     SYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVD  371
NTDB id 167 SP RS11275 WP 000867616.1      SYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVD  371
NTDB id 507 SM12261 RS09240 WP 000867722.1 SYIEKQRKTGYPLLIFASEIKKGEQLKEIIQEQFPNEKIGFVSSITENRLEQVQAFRDRELTILISTTILERGVTFPCVD  371
NTDB id 535 SMSK321 RS10515 WP 000867726.1 SYIEKQRKTGYPLLIFASEIKKGEQLKEILQKEFPHEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVD  371
NTDB id 275689 C5Z26 RS10480 WP 105449894.1 RWLQEYAQTQRRFLLFVPRVSQLALVQAAVQQNIPELTGLTVHSTDPDRLAKVQQMRSATVQYLITTTILERGVTFPGID  375
NTDB id 615 LCA RS02545 WP 011374200.1     RDCQTYLKTQ.QILLFVPQVRLLQPVANRLSTLLPAVRIETLHANDPDQIKKITAFRAQQIQLMVTTTILERGVTFKNVA  379
consensus                                  ****************!*************************************!*********!*!!!!!!!*****
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NTDB id 108 BSU 35470 NP 391427.1          TGVLGAESSIFTESALVQIAGRTGRHKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD.........  463
NTDB id 593 KW2 RS05130 WP 021037147.1     VFVINSEHPNFTKSALIQMAGRVGRDSKRPTGLVSFFHSGKSLAMCQAQKEIKKMNRLGGF..............  430
NTDB id 277 KZH43 RS10090 WP 000867601.1   VFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL..............  432
NTDB id 236 SPD RS10765 WP 000867601.1     VFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL..............  432
NTDB id 202 SPR RS10250 WP 000867601.1     VFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL..............  432
NTDB id 167 SP RS11275 WP 000867616.1      VFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL..............  432
NTDB id 507 SM12261 RS09240 WP 000867722.1 VFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL..............  432
NTDB id 535 SMSK321 RS10515 WP 000867726.1 VFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL..............  432
NTDB id 275689 C5Z26 RS10480 WP 105449894.1 VIVLGADDTIFSTAALVQIAGRVGRSKERPTGLVRFICSSYARPVKQAQRQIKQVNRKGRRLLNELSTVSTAVTP  450
NTDB id 615 LCA RS02545 WP 011374200.1     VLVLGAEHMVFNEAVLVQIAGRAGRHKDYAQNPVHFYYQDYTRAIKGACRQIKTQNQRGRRLQSTV.........  445
consensus                                  **!*******!****!*!**!!*!!*******************  ****!***!* *!*****
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X non conserved
X similar
X ≥ 50% conserved