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NTDB id 615 LCA RS02545 WP 011374200.1	MKVNLDYLGRIFTENELTEEER	QLAEKLPAMRK	EKGKLFQRCNS	TILEEWYLP	PIGAYYCRECLLMKRV	74
NTDB id 593 KW2 RS05130 WP 021037147.1	MGQQVIACGRQFTAAQLADTQNNNYS...	LPQIKRRPAFLRVKHLVQCRCQQ	VVPPQTCLPDGRHYCAQCLLFGRL			80
NTDB id 204345 BMF34 RS07800 WP 003101738.1	MNLILENLGLHLLLEKDISAFNNFTDQVNNEN	NKLIKIGAMTSVNANKVRCNR	CGTIHIKTNVKLP	IGAFFCPTCLELGRV		69
NTDB id 277 KZH43 RS10090 WP 000867601.1	MESLELYYGRIFTTSKQLSEVEK	VKAEEKIDSMFK	IGRHWYQCRCRM	KIDLNNKLPSGKYVCRECLIFGRN		69
NTDB id 236 SPD RS10765 WP 000867601.1	MKVNLDYLGRIFTENELTEEER	QLAEKLPAMRK	EKGKLFQRCNS	TILEEWYLP	PIGAYYCRECLLMKRV	69
NTDB id 202 SPR RS10250 WP 000867601.1	MKVNLDYLGRIFTENELTEEER	QLAEKLPAMRK	EKGKLFQRCNS	TILEEWYLP	PIGAYYCRECLLMKRV	69
NTDB id 167 SP RS11275 WP 000867616.1	MKVNLDYLGRIFTENELTEEER	QLAEKLPAMRK	EKGKLFQRCNS	TILEEWYLP	PIGAYYCRECLLMKRV	69
NTDB id 507 SM12261 RS09240 WP 000867722.1	MKVNPNYLGRIFTENELTEEER	QLAEKLPAMRK	EKGKLFQRCNS	TILEEWYLP	PIGAYYCRECLLMKRV	69
NTDB id 535 SMSK321 RS10515 WP 000867726.1	MKVNPNYLGRIFTENELTEEER	QLAEKLPAMRK	EKGKLFQRCNS	TILEEWYLP	PIGAYYCRECLLMKRV	69
consensus	***** **!*****	*****!*****	*****!***	*****!***	*****!***	

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NTDB id 615 LCA RS02545 WP 011374200.1	RSDQILYYFPQEDFPKQ	DVLKWRGQLTPFQEKVSEGLLQAVDKQKPT	LVHAVTGAGKTEM	IYQVYAKVINAGGAVCLA	154
NTDB id 593 KW2 RS05130 WP 021037147.1	VEGDWLYTYVPECHLFENNIPKLTWEGQLTPHQEKA	AQAVVEVVQTQKRHV	VLTA	VTGAGKTEMLFQGGILVALQKQGRVCLA	158
NTDB id 204345 BMF34 RS07800 WP 003101738.1	RSDEYFYHLPQQDFPEK	..TYLRWTGKLTENQEKISDALCQQITNNQKLLVQAVTGAGKTEMIYQLIEQILSHGGSVGLA			147
NTDB id 277 KZH43 RS10090 WP 000867601.1	ESDDFLYFFDLSLPEAG	..TYLKWQGQLTQYQEA	VSQQLLKHFKNNQRS	SLVHAVTGAGKTEMIYQLIAYVLEKGGWLCLA	147
NTDB id 236 SPD RS10765 WP 000867601.1	RSDQILYYFPQEDFPKQ	..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPT	LVHAVTGAGKTEMIYQVYAKVINAGGAVCLA		147
NTDB id 202 SPR RS10250 WP 000867601.1	RSDQILYYFPQEDFPKQ	..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPT	LVHAVTGAGKTEMIYQVYAKVINAGGAVCLA		147
NTDB id 167 SP RS11275 WP 000867616.1	RSDQILYYFPQEDFPKQ	..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPT	LVHAVTGAGKTEMIYQVYAKVINAGGAVCLA		147
NTDB id 507 SM12261 RS09240 WP 000867722.1	RSDQILYYFPQEDFPKQ	..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPT	LVHAVTGAGKTEMIYQVYAKVINAGGAVCLA		147
NTDB id 535 SMSK321 RS10515 WP 000867726.1	RSDQVLYYFPQEDFAKQ	..DILKWRGQLTPFQEKVSEGLLQAVDKQKPT	LVHAVTGAGKTEMIYQVYAKVINAGGAVCLA		147
consensus	*****!*****	*****!*****	*****!*****	*****!*****	

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NTDB id 615 LCA RS02545 WP 011374200.1	SPRIDVCLLEYKRLQDFSC	IALHGE	SEPYFRTPLVATTHQLLKFYQAFDILLVDEVD	AFPPYVDNPMLYHAVKNS	234		
NTDB id 593 KW2 RS05130 WP 021037147.1	APRVAVCLELYPRLQAAFATTSIMLMHGEQ	TEPYRYTQLVICTTHQLLKFYHAFD	TVIVDEVD	AFPPYVDNPVLATAVEQA	236		
NTDB id 204345 BMF34 RS07800 WP 003101738.1	SPRIDVCLIELHQLRISRDFTCQ	..IPLLYHE	..GDSYFRSPLVMTSHQLLRFKEAFD	LLITIDEVD	AFPPFRDNDMLYFALENA	225	
NTDB id 277 KZH43 RS10090 WP 000867601.1	CPRVAVCLELYKRLQDFSC	..VTLMAH	..SESYQRNP	ITITATTHQLLKFYAFD	LLITIDEVD	AFPPFVNNKMLNQALENA	225
NTDB id 236 SPD RS10765 WP 000867601.1	SPRIDVCLLEYKRLQDFSC	..IALHGE	..SEPYFRTPLVATTHQLLKFYQAFD	LLIVDEVD	AFPPYVDNPMLYHAVKNS	225	
NTDB id 202 SPR RS10250 WP 000867601.1	SPRIDVCLLEYKRLQDFSC	..IALHGE	..SEPYFRTPLVATTHQLLKFYQAFD	LLIVDEVD	AFPPYVDNPMLYHAVKNS	225	
NTDB id 167 SP RS11275 WP 000867616.1	SPRIDVCLLEYKRLQDFSC	..IALHGE	..SEPYFRTPLVATTHQLLKFYQAFD	LLIVDEVD	AFPPYVDNPMLYHAVKNS	225	
NTDB id 507 SM12261 RS09240 WP 000867722.1	SPRIDVCLLEYKRLQDFSC	..IALHGE	..SEPYFRTPLVATTHQLLKFYQAFD	LLIVDEVD	AFPPYVDNPMLYHAVKNS	225	
NTDB id 535 SMSK321 RS10515 WP 000867726.1	SPRIDVCLLEYKRLQDFSC	..IALHGE	..SEPYFRTPLVATTHQLLKFYQAFD	LLIVDEVD	AFPPYVDNPMLYHAVKNS	225	
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NTDB id 615 LCA RS02545 WP 011374200.1	VKENGRLIFLTATSTNELDKKVRIGELKRLN	LP	PRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLSYIEKQRKTAYPLL	313
NTDB id 593 KW2 RS05130 WP 021037147.1	CKPQCALLYLTATPTPAIKRAIAAKQMTVSEL	PLRFHGHLLPEPQRHVAFN	WRAQLKKGRLPKRLERDCQTY	303
NTDB id 204345 BMF34 RS07800 WP 003101738.1	KKINGTLLYLTATSTDKLDKQIKKHEIKRFL	PRRFHGHPLVIPMFFWKKTFYKK	FIEQRKTGFPLL	305
NTDB id 277 KZH43 RS10090 WP 000867601.1	LAPSGKIVYLTATSTKKLDKDVKNRGRCQG	ITLARRFHNNPLVLPEFQLVLSLSEKLRHKLPRN	IKKQLKQQRSLSKHPLL	305
NTDB id 236 SPD RS10765 WP 000867601.1	VKENGRLIFLTATSTNELDKKVRIGELKRLN	LP	PRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLSYIEKQRKTAYPLL	305
NTDB id 202 SPR RS10250 WP 000867601.1	VKENGRLIFLTATSTNELDKKVRIGELKRLN	LP	PRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLSYIEKQRKTAYPLL	305
NTDB id 167 SP RS11275 WP 000867616.1	VKENGRLIFLTATSTNELDKKVRIGELKRLN	LP	PRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLSYIEKQRKTAYPLL	305
NTDB id 507 SM12261 RS09240 WP 000867722.1	VKENGRLIFLTATSTNELDKKVRIGELKRLS	LP	PRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLSYIEKQRKTAYPLL	305
NTDB id 535 SMSK321 RS10515 WP 000867726.1	VKENGRLIFLTATSTNELDKKVRIGELKRLS	LP	PRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLSYIEKQRKTAYPLL	305
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NTDB id 507 SM12261 RS09240 WP 000867722.1
NTDB id 535 SMSK321 RS10515 WP 000867726.1
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NTDB id 167 SP RS11275 WP 000867616.1
NTDB id 507 SM12261 RS09240 WP 000867722.1
NTDB id 535 SMSK321 RS10515 WP 000867726.1
consensus



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☒ non conserved
☒ similar
☒ ≥ 50% conserved