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NTDB id 615 LCA RS02545 WP 011374200.1	..MGQQVIACGRQFTAAQLADTQNN...NYSLPQIKRRPAFLRVKHLRLVCQRCCQV.VPPQTCLPDGRHYCAQCLLFGRL	74
NTDB id 593 KW2 RS05130 WP 021037147.1	MNLILENLGLHLLLEKDISAFNNFTDQVNNENKLIKIGAMTSVNANKVRCNRCGTIHIKTNVKLPIGAFFCPTCLELGRV	80
NTDB id 300413 DQ228 RS01775 WP 232979810.1	..MIPKEVYGRFLTKEQLPV.....DYLSEAVKLESMI.KVDKKLRCKRCYSR.IEEDWQLPNGQYYCRACIVFGRN	68
NTDB id 167 SP RS11275 WP 000867616.1	..MKVNLGYLGRFLTENELTE.....EERQLAEKLPAMR.KEKGKLFQCRCNST.ILEEWYLPIGAYYCRECLLMKRV	69
NTDB id 277 KZH43 RS10090 WP 000867601.1	..MKVNLGYLGRFLTENELTE.....EERQLAEKLPAMR.KEKGKLFQCRCNST.ILEEWYLPIGAYYCRECLLMKRV	69
NTDB id 236 SPD RS10765 WP 000867601.1	..MKVNLGYLGRFLTENELTE.....EERQLAEKLPAMR.KEKGKLFQCRCNST.ILEEWYLPIGAYYCRECLLMKRV	69
NTDB id 202 SPR RS10250 WP 000867601.1	..MKVNLGYLGRFLTENELTE.....EERQLAEKLPAMR.KEKGKLFQCRCNST.ILEEWYLPIGAYYCRECLLMKRV	69
NTDB id 507 SM12261 RS09240 WP 000867722.1	..MKVNPNYLGRFLTENELTE.....EERQLAEKLPAMR.KEKGKLFQCRCNST.ILEEWYLPIGAYYCRECLLMKRV	69
NTDB id 535 SMSK321 RS10515 WP 000867726.1	..MKVNPNYLGRFLTENELTK.....EERQLAEKLPAMR.KEKGKLFQCRCNSA.ILEEWYLPIGAYYCRECLLMKRV	69
consensus	*****!***** *****!***** *****!***** *****!*****!*****!*	

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NTDB id 615 LCA RS02545 WP 011374200.1	VEGDWLYTVPECHLFENNIPKLTWEGQLTPHQEKAQAQAVVEVVQTQKRHVLTAVTGAGKTEMLFQGGILVALQKQGRVCLA	154
NTDB id 593 KW2 RS05130 WP 021037147.1	RSDEYFYHLPQDD.FP.EKTYLRWTGKLTENQEKISDALCQQITNNQKLLVQAVTGAGKTEMIYQLIEQILSHGGSVGLA	158
NTDB id 300413 DQ228 RS01775 WP 232979810.1	QEGKELYFFPSEK.SEVDFFVLKWSGKLTPIYQNEVSEKLLKTYKNQKHSLSLVHAVTGAGKTEMIYNIVAYVLENKNRVVIA	147
NTDB id 167 SP RS11275 WP 000867616.1	RSDQTLYYFPQED.FP.KQDVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA	147
NTDB id 277 KZH43 RS10090 WP 000867601.1	RSDQTLYYFPQED.FP.KQDVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA	147
NTDB id 236 SPD RS10765 WP 000867601.1	RSDQTLYYFPQED.FP.KQDVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA	147
NTDB id 202 SPR RS10250 WP 000867601.1	RSDQTLYYFPQED.FP.KQDVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA	147
NTDB id 507 SM12261 RS09240 WP 000867722.1	RSDQSLYYFPQED.FP.KQDVLKWRGQLTPFQDKVSQGLLQAVDKQEPSLSLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA	147
NTDB id 535 SMSK321 RS10515 WP 000867726.1	RSDQVLYYFPQED.FA.KQDILKWRGQLTPFQEKVSEGLLIQAVDKQEPILVHAVTGAGKTEMIYQVVAKVINAGGAVCLA	147
consensus	*****!***** ** *****!*****!*****!*****!*****!*****!*****!*****!*****!	

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NTDB id 615 LCA RS02545 WP 011374200.1	APRVAVCLELYPRLQAFAFATTSIMLMHGEQTEPYRYTQLVICCTTHQLLKFYHAFDVIIVDEVDADFPPVDNPVLATAVEQA	234
NTDB id 593 KW2 RS05130 WP 021037147.1	SPRIDVCIELHQLRSLRDFTCQ.IPLLYH.EGDSYFRSPLVVMTSHQLLRFKFAFDLLIIDEVDADFPPRDNDMLYFALENA	236
NTDB id 300413 DQ228 RS01775 WP 232979810.1	SPRIDVCRELFLRMQKDFTC.SISLLHA.DSEPYDGSPLVITATTHQLLKFYHSAFDLLIIDEVDADFPPVGNVMLNHAVKQA	225
NTDB id 167 SP RS11275 WP 000867616.1	SPRIDVCLELYKRLQQDFSCG.IALLHG.ESEPYFRTPLVVATTHQLLKFYQAFDILLIIDEVDADFPPVDNPMLYHAVKNS	225
NTDB id 277 KZH43 RS10090 WP 000867601.1	SPRIDVCLELYKRLQQDFSCG.IALLHG.ESEPYFRTPLVVATTHQLLKFYQAFDILLIIDEVDADFPPVDNPMLYHAVKNS	225
NTDB id 236 SPD RS10765 WP 000867601.1	SPRIDVCLELYKRLQQDFSCG.IALLHG.ESEPYFRTPLVVATTHQLLKFYQAFDILLIIDEVDADFPPVDNPMLYHAVKNS	225
NTDB id 202 SPR RS10250 WP 000867601.1	SPRIDVCLELYKRLQQDFSCG.IALLHG.ESEPYFRTPLVVATTHQLLKFYQAFDILLIIDEVDADFPPVDNPMLYHAVKNS	225
NTDB id 507 SM12261 RS09240 WP 000867722.1	SPRIDVCLELYKRLQKDFACE.IALLHG.ESEPYFRTPLVVATTHQLLKFYQAFDILLIIDEVDADFPPVDNPMLYHAVKNS	225
NTDB id 535 SMSK321 RS10515 WP 000867726.1	SPRIDVCLELYKRLQDFAACE.ISLLYG.ESEPYFRTPLVVSTTHQLLKFYQAFDILLIIDEVDADFPPVDNPMLYHAVKNS	225
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NTDB id 615 LCA RS02545 WP 011374200.1	CKPQCALLYLTATPTPAIKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWAQLKKGRLPKRLERDCQTYLKT....	309
NTDB id 593 KW2 RS05130 WP 021037147.1	KKINGTLLYLTATSTDKLDKQIKKHIEIKRLFLPRRFHGHPLVIPM...FFWKKTIFYK.....FIEQRKKTG	299
NTDB id 300413 DQ228 RS01775 WP 232979810.1	KTETGRYIYLTATSTLALAEQVRLGAIKHHHLASRFHGNPLVLPR...FFWQGRLOKSLTSEKLPRLPIHQIKKQRKSN	301
NTDB id 167 SP RS11275 WP 000867616.1	VKENGLRIFLTATSTNELDKKVRIGELKRLNLPRRFHGNPLIIPK...PIWLSDFNRYLDKNRLSPKLKSYIEKQRKTA	301
NTDB id 277 KZH43 RS10090 WP 000867601.1	VKENGLRIFLTATSTNELDKKVRIGELKRLNLPRRFHGNPLIIPK...PIWLSDFNRYLDKNRLSPKLKSYIEKQRKTA	301
NTDB id 236 SPD RS10765 WP 000867601.1	VKENGLRIFLTATSTNELDKKVRIGELKRLNLPRRFHGNPLIIPK...PIWLSDFNRYLDKNRLSPKLKSYIEKQRKTA	301
NTDB id 202 SPR RS10250 WP 000867601.1	VKENGLRIFLTATSTNELDKKVRIGELKRLNLPRRFHGNPLIIPK...PIWLSDFNRYLDKNRLSPKLKSYIEKQRKTA	301
NTDB id 507 SM12261 RS09240 WP 000867722.1	VKENGLRIFLTATSTDDELDRKVRIGELKRLSLPRRFHGNPLIIPK...PVWLSDFNHCLEKSRLSPKLKSYIEKQRKTG	301
NTDB id 535 SMSK321 RS10515 WP 000867726.1	VKENGLRIFLTATSTDDELDRKVRIGELKRLSLPRRFHGNPLIIPK...PVWLSDFNRYLEKKCLSPKLKSYIEKQRKTG	301
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NTDB id 535 SMSK321 RS10515 WP 000867726.1
consensus



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430
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X non conserved
X similar
X ≥ 50% conserved