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NTDB id 615 LCA RS02545 WP 011374200.1	MKVNLDYLGRFLTENELTE	EERQLAEKLPAMRKEKGKLFQRCNSTIL	EEWYLPIGAYYCRECLLMKRV	74
NTDB id 593 KW2 RS05130 WP 021037147.1	MGQQVIACGRQFTAAQLADTQN	NNYSLPQIKRRPAFLRVKHLRLVCQRCQQVVP	PQTCLPDGRHYCAQCLLFGRL	80
NTDB id 160980 APQ13 RS05495 WP 002263026.1	MENLENYVGRLLTENQMNS	DLKKQAKILPAMIKKPHYFICNRCSQNN	LGNALPDGSIYCRACLVFGR	69
NTDB id 277 KZH43 RS10090 WP 000867601.1	MKVNLDYLGRFLTENELTE	EERQLAEKLPAMRKEKGKLFQRCNSTIL	EEWYLPIGAYYCRECLLMKRV	69
NTDB id 236 SPD RS10765 WP 000867601.1	MKVNLDYLGRFLTENELTE	EERQLAEKLPAMRKEKGKLFQRCNSTIL	EEWYLPIGAYYCRECLLMKRV	69
NTDB id 202 SPR RS10250 WP 000867601.1	MKVNLDYLGRFLTENELTE	EERQLAEKLPAMRKEKGKLFQRCNSTIL	EEWYLPIGAYYCRECLLMKRV	69
NTDB id 167 SP RS11275 WP 000867616.1	MKVNLDYLGRFLTENELTE	EERQLAEKLPAMRKEKGKLFQRCNSTIL	EEWYLPIGAYYCRECLLMKRV	69
NTDB id 507 SM12261 RS09240 WP 000867722.1	MKVNPNYLGRFLTENELTE	EERQLAEKLPAMRKEKGKLFQRCNSTIL	EEWYLPIGAYYCRECLLMKRV	69
NTDB id 535 SMSK321 RS10515 WP 000867726.1	MKVNPNYLGRFLTENELTK	EERQLAEKLPAMRKEKGKLFQRCDSAIL	DEWYLPIGAYYCRECLLMKRV	69
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NTDB id 615 LCA RS02545 WP 011374200.1	RSDQILYYFPQEDFPKQ	DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVH	AVTGAGKTEMIYQVYAKVINAGGAVCLA	154
NTDB id 593 KW2 RS05130 WP 021037147.1	VEGDWLYTYVPECHLFENNIPKILTWEQQLTPHQEKA	AQAVVEVVQTQKRHVLITAVTGAGKTEMLFQGI	ILVALQKQGRVCLA	158
NTDB id 160980 APQ13 RS05495 WP 002263026.1	RSDEYFYHLPQQDFPEK	..TYLRWTGKLTENQEKISDALCQQITNNQKLLVQ	AVTGAGKTEMIYQLIEQILSHGGSVGLA	147
NTDB id 277 KZH43 RS10090 WP 000867601.1	TNRDSLIFYFEQKPFQK	..QVLRWQQLTPFQEVSRGLKKSVCHEKEMNLI	HAVTGAGKTEMIYETLASILNQGGAVALA	147
NTDB id 236 SPD RS10765 WP 000867601.1	RSDQILYYFPQEDFPKQ	..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLV	HAVTGAGKTEMIYQVYAKVINAGGAVCLA	147
NTDB id 202 SPR RS10250 WP 000867601.1	RSDQILYYFPQEDFPKQ	..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLV	HAVTGAGKTEMIYQVYAKVINAGGAVCLA	147
NTDB id 167 SP RS11275 WP 000867616.1	RSDQILYYFPQEDFPKQ	..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLV	HAVTGAGKTEMIYQVYAKVINAGGAVCLA	147
NTDB id 507 SM12261 RS09240 WP 000867722.1	RSDQILYYFPQEDFPKQ	..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLV	HAVTGAGKTEMIYQVYAKVINAGGAVCLA	147
NTDB id 535 SMSK321 RS10515 WP 000867726.1	RSDQVLYYFPQEDFAKQ	..DILKWRGQLTPFQEKVSEGLLQAVDKQKPTLV	HAVTGAGKTEMIYQVYAKVINAGGAVCLA	147
consensus	*****	**!*!!!!!!*	*****!!!!!!!!*****	

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NTDB id 615 LCA RS02545 WP 011374200.1	SPRIDVCLLEYKRLQDFSCIA	LLHGESEPYFRTPLVATTHQLLKFYQAFDILLV	DEVDAFPYVDNPMLYHAVKNS	234
NTDB id 593 KW2 RS05130 WP 021037147.1	APRVAVCLELYPRLQAAFATTSIMLMHGEQ	TEPYRYTQLVICTTHQLLKFYHAFDITVIVDEVD	AFPPVDNPVLATAVEQA	236
NTDB id 160980 APQ13 RS05495 WP 002263026.1	SPRIDVCLIELHQLRLSRDFTCQIP	..LLYHE.GDSYFRSPLVMTSHQLLRFKEAFD	LLITIDEVDAFPFRDNDMLYFALENA	225
NTDB id 277 KZH43 RS10090 WP 000867601.1	SPRIDVCLIELYKRLSRDFSCPI	..LLYGE.SEAYERSPLVATTHQLLKFYRAF	DLLITIDEVDAFPFDNKMPLYAVDHC	225
NTDB id 236 SPD RS10765 WP 000867601.1	SPRIDVCLLEYKRLQQDFSCGIA	..LLHGE.SEPYFRTPLVATTHQLLKFYQAF	DLLIVDEVDAFPYVDNPMLYHAVKNS	225
NTDB id 202 SPR RS10250 WP 000867601.1	SPRIDVCLLEYKRLQQDFSCGIA	..LLHGE.SEPYFRTPLVATTHQLLKFYQAF	DLLIVDEVDAFPYVDNPMLYHAVKNS	225
NTDB id 167 SP RS11275 WP 000867616.1	SPRIDVCLLEYKRLQQDFSCGIA	..LLHGE.SEPYFRTPLVATTHQLLKFYQAF	DLLIVDEVDAFPYVDNPMLYHAVKNS	225
NTDB id 507 SM12261 RS09240 WP 000867722.1	SPRIDVCLLEYKRLQQDFSCGIA	..LLHGE.SEPYFRTPLVATTHQLLKFYQAF	DLLIVDEVDAFPYVDNPMLYHAVKNS	225
NTDB id 535 SMSK321 RS10515 WP 000867726.1	SPRIDVCLLEYKRLQDFACEIA	..LLHGE.SEPYFRTPLVATTHQLLKFYQAF	DLLIVDEVDAFPYVDNPMLYHAVKNS	225
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NTDB id 615 LCA RS02545 WP 011374200.1	VKENGRLIFLTATSTNELDKKVRIGELKRLN	LPFRFHGNPLIIPKPIWLSDFNRYLDKNRL	SPKLKSYIEKQRKTA	YPLL	313
NTDB id 593 KW2 RS05130 WP 021037147.1	CKPQCALLYLTATPTPAIKRAIAAKQMTVSEL	PLRFHGHLLPEPQRHVAFNWRAQLKKGRLPK	RLERDCQTYLKT	..QQIL	303
NTDB id 160980 APQ13 RS05495 WP 002263026.1	KKINGTLLYLTATSTDKLDKQIKKHEIKRFL	PPRRFHGHPLVIPMFFWKKTFYK	KFIEQRKTC	GFPLL	305
NTDB id 277 KZH43 RS10090 WP 000867601.1	LKSDGVKVFILTATSTDQLDKQVKKQKGLK	KLHLARRFHANPLVVPKPIWNLNLSLERL	QRGKLPRSFLQQIRIQRQTQ	GFPLL	305
NTDB id 236 SPD RS10765 WP 000867601.1	VKENGRLIFLTATSTNELDKKVRIGELKRLN	LPFRFHGNPLIIPKPIWLSDFNRYLDKNRL	SPKLKSYIEKQRKTA	YPLL	305
NTDB id 202 SPR RS10250 WP 000867601.1	VKENGRLIFLTATSTNELDKKVRIGELKRLN	LPFRFHGNPLIIPKPIWLSDFNRYLDKNRL	SPKLKSYIEKQRKTA	YPLL	305
NTDB id 167 SP RS11275 WP 000867616.1	VKENGRLIFLTATSTNELDKKVRIGELKRLN	LPFRFHGNPLIIPKPIWLSDFNRYLDKNRL	SPKLKSYIEKQRKTA	YPLL	305
NTDB id 507 SM12261 RS09240 WP 000867722.1	VKENGRLIFLTATSTNELDKKVRIGELKRLN	LPFRFHGNPLIIPKPIWLSDFNRYLDKNRL	SPKLKSYIEKQRKTA	YPLL	305
NTDB id 535 SMSK321 RS10515 WP 000867726.1	VKENGRLIFLTATSTDELDRKVRIGELKRLS	LPFRFHGNPLIIPKPIWLSDFNRYLEK	KKCLSPKLKSYIEKQRKTA	YPLL	305
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