

NTDB id 615 LCA RS02545 WP 011374200.1	.MGQQV IACGRQFTAAQLADTQN...NNYSLPQIKRPAFLRVKHLVLCQRCQVVP.PQTCLPDGRHYCAQLLFGRLVEGDW	79
NTDB id 593 KW2 RS05130 WP 021037147.1	MNLILENLLCHILLEKDISAFNNFTDQVNNENKLIKIGAMTSVNANKVRCNRCGIHMKTNVKLPIGAFAFCPTCLELGRVRSDEY	85
NTDB id 73542 FNL60 RS08030 WP 002279927.1	.MENLENY YGRLLTENQMNS.....DLKKQAKILPAMIKKPHYFICNRCGSSQNN.LGNALPDCSTIYCRACL VFGRLTNRDS	74
NTDB id 277 KZH43 RS10090 WP 000867601.1	.MKVNL DYLGRLFTEENELTE.....EERQLAEKLPAMRKEKGKLFQCRCNSTIL.EEWYLPIGAYYCRECLLMKRVRSDDQI	74
NTDB id 236 SPD RS10765 WP 000867601.1	.MKVNL DYLGRLFTEENELTE.....EERQLAEKLPAMRKEKGKLFQCRCNSTIL.EEWYLPIGAYYCRECLLMKRVRSDDQI	74
NTDB id 202 SPR RS10250 WP 000867601.1	.MKVNL DYLGRLFTEENELTE.....EERQLAEKLPAMRKEKGKLFQCRCNSTIL.EEWYLPIGAYYCRECLLMKRVRSDDQI	74
NTDB id 167 SP RS11275 WP 000867616.1	.MKVNL DYLGRLFTEENELTE.....EERQLAEKLPAMRKEKGKLFQCRCNSTIL.EEWYLPIGAYYCRECLLMKRVRSDDQI	74
NTDB id 507 SM12261 RS09240 WP 000867722.1	.MKVNP NYLGRLFTEENELTE.....EERQLAEKLPAMRKEKGKLFQCRCNSTIL.EEWYLPIC TYYCRECLLMKRVRSDDQS	74
NTDB id 535 SMSK321 RS10515 WP 000867726.1	.MKVNP NYLGRLFTEENELTK.....EERQLAEKLPAMRKEKGKLFQCRCDSAIL.DEWYLPIGAYYCRECLLMKRVRSDDQV	74
consensus	***** ** ! ***** ** ***** ** ***** ** ***** ** ***** ** ***** ** *****	

NTDB id 615 LCA RS02545 WP 011374200.1	LYTVPECHLFENIPKLTWEGQLTPHQEAAQAVVVEVQQTQKRHVLTAVTGAGKTEM	LFQGLVALQKQQRVCLAAPRVAVCLEL	164
NTDB id 593 KW2 RS05130 WP 021037147.1	FYHLPPQDFPEK..TYLRWTGKLTENQEKISDALCQQTINNQKLLVQAVTGAGKTEMIYQLIEQILSHGGSVGLASPRIDVCTEL		168
NTDB id 73542 FNL60 RS08030 WP 002279927.1	LYYFEQKPKFPKQ..QVLRWQGGQLTPFQEQVSRGLKKSVCHKENMLTHAVTGAGKTEMIYETLASSILNQGGAVGLASPRIDVCTEL		157
NTDB id 277 KZH43 RS10090 WP 000867601.1	LYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDVCLEL		157
NTDB id 236 SPD RS10765 WP 000867601.1	LYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDVCLEL		157
NTDB id 202 SPR RS10250 WP 000867601.1	LYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDVCLEL		157
NTDB id 167 SP RS11275 WP 000867616.1	LYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDVCLEL		157
NTDB id 507 SM12261 RS09240 WP 000867722.1	LYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDVCLEL		157
NTDB id 535 SMSK321 RS10515 WP 000867726.1	LYYFPQEDFAKQ..DILKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDVCLEL		157
consensus	*****	*****	

NTDB id	615	LCA RS02545 WP 011374200.1	YPRLQAAFATTSIMLMHGEQTETPYRYTQLVICTTHQLLKFYHAFTDIVDEVDAPFVDNPVLATAVEQACKPICALLYLTATPT	249
NTDB id	593	KW2 RS05130 WP 021037147.1	HQRLSRDFTCQIP.LLIYE.GDSYFRSPLVVMTSHQLLRFKEAFDILLIIDEVDAPFERDNMDLYFALENAKKINGTLLEYLTATST	251
NTDB id	73542	FNL60 RS08030 WP 002279927.1	YKRLSRDFSCPI.S.LLYGE.SEAYERSPLVITATTHQLLKFYRAFDLLIIDEVDAPFVDNKMLYYAVDHCLXSDGVKVFLTATST	240
NTDB id	277	KZH43 RS10090 WP 000867601.1	YKRLQQDFSCGIA.LLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMPLYHAVKNNSVKENGLRIFLTATST	240
NTDB id	236	SPD RS10765 WP 000867601.1	YKRLQQDFSCGIA.LLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMPLYHAVKNNSVKENGLRIFLTATST	240
NTDB id	202	SPR RS10250 WP 000867601.1	YKRLQQDFSCGIA.LLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMPLYHAVKNNSVKENGLRIFLTATST	240
NTDB id	167	SP RS11275 WP 000867616.1	YKRLQQDFSCGIA.LLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMPLYHAVKNNSVKENGLRIFLTATST	240
NTDB id	507	SM12261 RS09240 WP 000867722.1	YKRLQKDFACEIA.LLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMPLYHAVKNNSVKENGLRIFLTATST	240
NTDB id	535	SMSK321 RS10515 WP 000867726.1	YKRLQKDFACEIS.LLYGE.SEPYFRTPLVVS.TTHQLLKFYQAFDLLIVDEVDAFPYVDNPMPLYHAVKNNSVKENGLRIFLTATST	240
consensus			* * * * *	

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NTDB id 593 KW2 RS05130 WP 021037147.1
NTDB id 73542 FNL60 RS08030 WP 002279927.1
NTDB id 277 KZH43 RS10090 WP 000867601.1
NTDB id 236 SPD RS10765 WP 000867601.1
NTDB id 202 SPR RS10250 WP 000867601.1
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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NTDB id 593 KW2 RS05130 WP 021037147.1
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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



445
430
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☐ non conserved
☒ similar
☒ ≥ 50% conserved