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NTDB id 25 SA RS06185 WP 000593194.1	MKLTNYEIKLKKSGLTNQILKVLEYGENVDQELL	GD	IADISGCRNPAVFMER	YFQIDDAHLSKEFQ	KFP	78
NTDB id 599 KW2 RS05940 WP 021037268.1	.MTI.KLFLILKLIYWAHFSTKQIHQFLMAYPNVIKEEGRKKD	SYLICEWVNREENVILLRKYAFIKIDHNDI	IKELQKLKVS			71
NTDB id 407 SMU RS04605 WP 002262865.1	.MITNFDLFRWKKAGMTNLGVNKLKFFRKYPDRI	SL.RQ..MGQVAQVKSIPNFIEQ...	YKNQDVKKLRADYK...	KFS		70
NTDB id 525 SMSK321 RS06295 WP 000705298.1	..MDNFQLFKLKKAGLTNLNIIIDYEERTQKSLSL	.RD..MAVVSKNKKPLIFMEH...	YKNLDSKALRKEFN...	RFP		72
NTDB id 497 SM12261 RS05565 WP 000705318.1	MKITNYEIKLKKSGLTNQILKVLEYGENVDQELL	.GD..IADISGCRNPAVFMER...	YFQIDDAHLSKEFQ...	KIP		72
NTDB id 33001 SPNINV200 RS06185 WP 000705304.1	MKITNYEIKLKKSGLTNQILKVLEYGENVDQELL	.GD..IADISGCRNPAVFMER...	YFQIDDAHLSKEFQ...	KFP		72
NTDB id 267 KZH43 RS05590 WP 000705306.1	MKITNYEIKLKKSGLTNQILKVLEYGENVDQELL	.GD..IADISGCRNPAVFMER...	YFQIDDAHLSKEFQ...	KFP		72
NTDB id 226 SPD RS05990 WP 000705306.1	MKITNYEIKLKKSGLTNQILKVLEYGENVDQELL	.GD..IADISGCRNPAVFMER...	YFQIDDAHLSKEFQ...	KFP		72
NTDB id 192 SPR RS05715 WP 000705306.1	MKITNYEIKLKKSGLTNQILKVLEYGENVDQELL	.GD..IADISGCRNPAVFMER...	YFQIDDAHLSKEFQ...	KFP		72
NTDB id 157 SP RS06205 WP 000705306.1	MKITNYEIKLKKSGLTNQILKVLEYGENVDQELL	.GD..IADISGCRNPAVFMER...	YFQIDDAHLSKEFQ...	KFP		72
consensus	*****	**	*****	****!	*****	***

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NTDB id 25 SA RS06185 WP 000593194.1	SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKE	PKVAVVGS	RACSKQGA	KSVEKVI	QGLLENELVIVSGLAKGIDTAA	158
NTDB id 599 KW2 RS05940 WP 021037268.1	YIITYMDSEYPVLLKEIYQFPILLFYKGNIKL	INNMHHLAVVGARDST	ISYTTQQSLEFLLS	NDKSKYL	TIVSGLAQCADAMA	149
NTDB id 407 SMU RS04605 WP 002262865.1	SFSILDDLYPERLREIYNPPVLIIFYQGNIDLLKN	.PKLAFVGSRLAGQSGIKSVQKIV	.TELNQSF	TIVSGLAKGIDTAS		148
NTDB id 525 SMSK321 RS06295 WP 000705298.1	SLSIDLKEYPLELKNIYNPPVLLFYQGNIDLLAR	.PKLAVVGSRNASQMGVAAVKKII	.QDLSKQFV	ISGLAR	GIDTAA	150
NTDB id 497 SM12261 RS05565 WP 000705318.1	SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF	.PKVAVVGS	RACSKQGA	KSVEKVI	QGLLENELVIVSGLAKGIDTAA	150
NTDB id 33001 SPNINV200 RS06185 WP 000705304.1	SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF	.PKVAVVGS	RACSKQGA	KSVEKVI	QGLLENELVIVSGLAKGIDTAA	150
NTDB id 267 KZH43 RS05590 WP 000705306.1	SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF	.PKVAVVGS	RACSKQGA	KSVEKVI	QGLLENELVIVSGLAKGIDTAA	150
NTDB id 226 SPD RS05990 WP 000705306.1	SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF	.PKVAVVGS	RACSKQGA	KSVEKVI	QGLLENELVIVSGLAKGIDTAA	150
NTDB id 192 SPR RS05715 WP 000705306.1	SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF	.PKVAVVGS	RACSKQGA	KSVEKVI	QGLLENELVIVSGLAKGIDTAA	150
NTDB id 157 SP RS06205 WP 000705306.1	SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF	.PKVAVVGS	RACSKQGA	KSVEKVI	QGLLENELVIVSGLAKGIDTAA	150
consensus	*****!	***!	***!	***!	***!	***!

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NTDB id 25 SA RS06185 WP 000593194.1	HQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKITEEKGLVISEYPPHTPIAKYRFPERNRIISGLSKGVLITEAKEQSGS	238
NTDB id 599 KW2 RS05940 WP 021037268.1	HLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAQYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVVVVEAKLRSGS	229
NTDB id 407 SMU RS04605 WP 002262865.1	HLASLKSGGATIAVIGTGLDVHYPKENRRLQDYIAKHLILSEYEAQSQPLKYHFPERNRIIAGLSQGVMAVEAKIRSGS	228
NTDB id 525 SMSK321 RS06295 WP 000705298.1	HMAALQNGGKTIAVIGTGLDVFPKANKRLQDYISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGS	230
NTDB id 497 SM12261 RS05565 WP 000705318.1	HMAALQNGGKTIAVIGTGLDVFPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGS	230
NTDB id 33001 SPNINV200 RS06185 WP 000705304.1	HMAALQNGGKTIAVIGTGLDVFPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGS	230
NTDB id 267 KZH43 RS05590 WP 000705306.1	HMAALQNGGKTIAVIGTGLDVFPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGS	230
NTDB id 226 SPD RS05990 WP 000705306.1	HMAALQNGGKTIAVIGTGLDVFPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGS	230
NTDB id 192 SPR RS05715 WP 000705306.1	HMAALQNGGKTIAVIGTGLDVFPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGS	230
NTDB id 157 SP RS06205 WP 000705306.1	HMAALQNGGKTIAVIGTGLDVFPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGS	230
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consensus



 non conserved
 similar
 ≥ 50% conserved