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NTDB id 1250 GC085 RS13065 WP 027219989.1	MNNLQPLLA	INRMKRIGPRTVLKLQ.KRWPDLNLMF...QLSSVDLE.....EAGLPSSLAQTIKN	57
NTDB id 1399 DSB67 RS15600 WP 010645755.1	MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDTPSNIVQYSTEQLQLGLT.....AKQLQAWSQV....	62	
NTDB id 114 BSU 16110 NP 389493.1	MDQAAVCLTICRINQLLSPSLILKWWKADPMSMLT.....SPVLQTV.....TRDQIKA.AALK...NEIEQFYYPK	62	
NTDB id 599 KW2 RS05940 WP 021037268.1	MITNFDLFRWKKAGMTNLGV.....NKLLKFFRKYDRKISLRQMGQVAQVKISIPNFIEQY.KN	57	
NTDB id 525 SMSK321 RS06295 WP 000705298.1	MKITNYESIYKLKKSGLTNQOI.....LKVLEYGENVDQELLGLDIADISGCRNPVAFMERY.FQ	58	
NTDB id 267 KZH43 RS05590 WP 000705306.1	MKITNYESIYKLKKSGLTNQOI.....LKVLEYGENVDQELLGLDIADISGCRNPVAFMERY.FQ	58	
NTDB id 226 SPD RS05990 WP 000705306.1	MKITNYESIYKLKKSGLTNQOI.....LKVLEYGENVDQELLGLDIADISGCRNPVAFMERY.FQ	58	
NTDB id 192 SPR RS05715 WP 000705306.1	MKITNYESIYKLKKSGLTNQOI.....LKVLEYGENVDQELLGLDIADISGCRNPVAFMERY.FQ	58	
NTDB id 157 SP RS06205 WP 000705306.1	MKITNYESIYKLKKSGLTNQOI.....LKVLEYGENVDQELLGLDIADISGCRNPVAFMERY.FQ	58	
NTDB id 497 SM12261 RS05565 WP 000705318.1	MKITNYESIYKLKKSGLTNQOV.....LAVLEYGENVDQELLGLDIAEISGCRNPVAFMERY.FQ	58	
NTDB id 256932 CV091 RS05950 WP 004195694.1	MNNFELFKWKKAGLTNLNV.....NKVLAYQDLHGKKLTLRNIAVVSSECKNPVLFMENY.KN	56	
NTDB id 407 SMU RS04605 WP 002262865.1	MDNFQLFKLKKAGLTNLNI.....LNITIDYEERTQKSLSLRDMAVVSKNKKPLIFMEHY.KN	56	
consensus	*****	*****	

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NTDB id 1250 GC085 RS13065 WP 027219989.1	FDPDFIKTDLNLWSSSENHHILTWDSPIYPALLKEIADPPFIILYAKGELSALTQ.PSLAIVGSRNASVTGNENARAFSRE	136
NTDB id 1399 DSB67 RS15600 WP 010645755.1	..DKEVDACLTVWAASSHHHILTLADALYPPLLKQTVAPPPLLFFVKGEASCLPQ.PQIAMVGSRNASVDGLQHTRTFASD	139
NTDB id 114 BSU 16110 NP 389493.1	LPRVLAAYREQ.....GINTIPISSKQYFVLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLITKE	136
NTDB id 599 KW2 RS05940 WP 021037268.1	QDVKKLRADYK.....KFSSFSILDDLYPERLREIYNPPVLIIFYQGNIDLLKN.PKLA FVGSRLAGQSGIKSVQKIVTE	130
NTDB id 525 SMSK321 RS06295 WP 000705298.1	IDDAHLEKEFK.....KIPFSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCKQGAKSVEKVIQG	131
NTDB id 267 KZH43 RS05590 WP 000705306.1	IDDAHLSKEFQ.....KFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRAKQGAKSVEKVIQG	131
NTDB id 226 SPD RS05990 WP 000705306.1	IDDAHLSKEFQ.....KFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRAKQGAKSVEKVIQG	131
NTDB id 192 SPR RS05715 WP 000705306.1	IDDAHLSKEFQ.....KFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRAKQGAKSVEKVIQG	131
NTDB id 157 SP RS06205 WP 000705306.1	IDDAHLSKEFQ.....KFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRAKQGAKSVEKVIQG	131
NTDB id 497 SM12261 RS05565 WP 000705318.1	IDDAHLEKEFQ.....KIPFSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRAKQGAKSVEKVIQG	131
NTDB id 256932 CV091 RS05950 WP 004195694.1	LDIKACREEFN.....KYPSFSILDDIYPLALKQIYNPPVLLFYQGDLELLEK.SKLAVVGSRNASKNGIQSVQKIKE	129
NTDB id 407 SMU RS04605 WP 002262865.1	LDSKALRKEFN.....RFPSLSILDKEYPLKLNIIYNPPVLLFYQGDLLAR.PKLAVVGSRNA SQMGVA AVKKTIQD	129
consensus	*** * **** ***** ! ! ! ! ! * * * * ! * * * * ! * * * * ! * * * * ! * * * * ! * * * *	

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NTDB id 1250 GC085 RS13065 WP 027219989.1	ISRHGVSIVSGLALGIDAAHILGCLGGGKTIAVLGTGIDCIYPRRHLKLAEQITENGLILSEFPLKSPPTIAGHFPLRNR	216
NTDB id 1399 DSB67 RS15600 WP 010645755.1	LVQHDIVTSGLALGIDGHAHDGALLAGGKTIAVLGSGLQVYPARHRGLAQRVAENGALVSEFRPDAPRAENFPRRNR	219
NTDB id 114 BSU 16110 NP 389493.1	ICRKGWVIVSGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENRLQADHMAKHILLSEHPPETKPKQWHFPMNR	216
NTDB id 599 KW2 RS05940 WP 021037268.1	L.NQSFTIVSGLAKGIDTASHLSAIKTKPTIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLGEKPLKYHFPERNR	209
NTDB id 525 SMSK321 RS06295 WP 000705298.1	L.ENELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFPYKANKRLQDYISNDHLVLSEYGPGEQPLKFHFPARNR	210
NTDB id 267 KZH43 RS05590 WP 000705306.1	L.ENELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFPYKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNR	210
NTDB id 226 SPD RS05990 WP 000705306.1	L.ENELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFPYKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNR	210
NTDB id 192 SPR RS05715 WP 000705306.1	L.ENELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFPYKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNR	210
NTDB id 157 SP RS06205 WP 000705306.1	L.ENELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFPYKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNR	210
NTDB id 497 SM12261 RS05565 WP 000705318.1	L.ENELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFPYKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNR	210
NTDB id 256932 CV091 RS05950 WP 004195694.1	L.NNRFVIVSGLARGIDTAAHIASLKNGGQTIAVIGTGLDNIYPKENRELQTYIGKHHVLVTEYEPGADPLKYHFPERNR	208
NTDB id 407 SMU RS04605 WP 002262865.1	L.SKQFVIISGLARGIDTAAHIASLKSGGATIAVIGTGLDVHYPKENRRRLQDYIAKNHLLSEYEASQPLKYHFPERNR	208
consensus	* ****!! !	

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NTDB id 1250 GC085 RS13065 WP 027219989.1	IIISGLSLCIIIVIEAAIKSGSLITARMAL	EQNRDVLAI	PGSIHNPL	ARGCHYLL	QQGAKLVT	SVADVL	DELKIEHH.Q	FTS	295		
NTDB id 1399 DSB67 RS15600 WP 010645755.1	IIISGLSLGVLVVEAAEKSGSLITARYA	LEQGREVFAL	PASINAPNAS	GGNQLIQNGAC	LVQNTQ	EVLN	NEIQSLDWS	INQ	299		
NTDB id 114 BSU 16110 NP 389493.1	IIISGLSEGVIIVVQGKEKSGSLITAYQA	LEQGREVF	AVPGSLFDPY	AGGPIKLI	QQGAKAI	WSAED	IFEELPER	NV.QYTE	295		
NTDB id 599 KW2 RS05940 WP 021037268.1	IIAGLSRGVIVVVEAKLRSGSLITCERALE	EGRDIFAIP	GNIA	DGTSDGC	NHLI	QQGAKLVY	QAQD	ILEEYLYN.....	282		
NTDB id 525 SMSK321 RS06295 WP 000705298.1	IIAGLCRGVIVAEAKMRSGSLITCERAMEE	GRDVF	AI	PGSIL	DGLSDG	CHHLI	Q	E	GAKLVTSGQDVLAEFEF.....	282	
NTDB id 267 KZH43 RS05590 WP 000705306.1	IIAGLCRGVIVAEAKMRSGSLITCERAMEE	GRDVF	AI	PGSIL	DGLSDG	CHHLI	Q	E	GAKLVTSGQDVLAEFEF.....	282	
NTDB id 226 SPD RS05990 WP 000705306.1	IIAGLCRGVIVAEAKMRSGSLITCERAMEE	GRDVF	AI	PGSIL	DGLSDG	CHHLI	Q	E	GAKLVTSGQDVLAEFEF.....	282	
NTDB id 192 SPR RS05715 WP 000705306.1	IIAGLCRGVIVAEAKMRSGSLITCERAMEE	GRDVF	AI	PGSIL	DGLSDG	CHHLI	Q	E	GAKLVTSGQDVLAEFEF.....	282	
NTDB id 157 SP RS06205 WP 000705306.1	IIAGLCRGVIVAEAKMRSGSLITCERAMEE	GRDVF	AI	PGSIL	DGLSDG	CHHLI	Q	E	GAKLVTSGQDVLAEFEF.....	282	
NTDB id 497 SM12261 RS05565 WP 000705318.1	IIAGLCRGVIVAEAKMRSGSLITCERAMEE	GRDVF	AI	PGSIL	DGLSDG	CHHLI	Q	E	GAKLVTSGQDVLAEFEF.....	282	
NTDB id 256932 CV091 RS05950 WP 004195694.1	IIAGLVEGLVVC	EAKMRSGSLITCERALE	EGRE	VYAIP	GSIM	DGKSDG	CHHLI	Q	E	GAKCITSGLDILSDYQF.....	280
NTDB id 407 SMU RS04605 WP 002262865.1	IIAGLSQGMVVAEAKIRSGSLITCERAMEE	GRDVF	V	PGN	ILDGQ	SE	GCHHLI	Q	E	GAKCITSGFDILNEFNF.....	280
consensus	!!*!! ****!*****!!!!!!**!*!***!*****!*****!***!***!*****!*** *										

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NTDB id 1250 GC085 RS13065 WP 027219989.1	NKPIFSLASG.....KENLVKFIGFETTTIDQIID	RSYGMEQVTSGLAE	ELELKGAVIA	VPGGYIR	CEYER	361
NTDB id 1399 DSB67 RS15600 WP 010645755.1	SLDLFSAPIDEEELPFPQLLANVGN	EATPVDILASRTNIPVQ	EVMMQLLELELS	GHVVAV	SGGYIRKGRG.	369
NTDB id 114 BSU 16110 NP 389493.1	PF.....					297
NTDB id 599 KW2 RS05940 WP 021037268.1						282
NTDB id 525 SMSK321 RS06295 WP 000705298.1						282
NTDB id 267 KZH43 RS05590 WP 000705306.1						282
NTDB id 226 SPD RS05990 WP 000705306.1						282
NTDB id 192 SPR RS05715 WP 000705306.1						282
NTDB id 157 SP RS06205 WP 000705306.1						282
NTDB id 497 SM12261 RS05565 WP 000705318.1						282
NTDB id 256932 CV091 RS05950 WP 004195694.1						280
NTDB id 407 SMU RS04605 WP 002262865.1						280
consensus						

- X

 non conserved
- X

 similar
- X

 ≥ 50% conserved