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NTDB id 419 DQL23 RS10745 WP 060553298.1	.MILKIIIAFFPTIQQVVSYEIFHKKIMQSKKIDIKFIFIGLFFSIVFGISIISSITIEIPSGDVSSIFHYIFLEIQPLI	79
NTDB id 416 SGO RS10505 WP 012131078.1	.MIFTIILSLFPVLIQVFSYDFFYNKINRKKKINIKLILFWGLIMVISFLYSILFLLLPDYWKIFRDFHYIFLLIQPLI	79
NTDB id 486 SM12261 RS09375 WP 020902616.1	MDFLAVLVVILHIFIISKSYLLI.....CKNKINIKELCHFPGCYTFL....VESVFLSFYFIYLDGL..GIEKFLFPLV	69
NTDB id 997374 ABC811 RS11100 WP 000362880.1	MDLFGFGTVIVHFLIISHSYHFI.....CKGQINRKELVFGAYTLL....TEIVDFDPLYLYLDGL..GIERFLFPLG	69
NTDB id 249 KZH43 RS10250 WP 000362880.1	MDLFGFGTVIVHFLIISHSYHFI.....CKGQINRKELVFGAYTLL....TEIVDFDPLYLYLDGL..GIERFLFPLG	69
NTDB id 208 SPD RS10925 WP 000362880.1	MDLFGFGTVIVHFLIISHSYHFI.....CKGQINRKELVFGAYTLL....TEIVDFDPLYLYLDGL..GIERFLFPLG	69
NTDB id 174 SPR RS10405 WP 000362880.1	MDLFGFGTVIVHFLIISHSYHFI.....CKGQINRKELVFGAYTLL....TEIVDFDPLYLYLDGL..GIERFLFPLG	69
NTDB id 138 SP RS11430 WP 000364845.1	MDLLGFGTVIVHFLIISHSYRLI.....CKGRINRKELVFGAYTLL....TEIVLEFSFYLLYLDKLI..GIERFLFPLG	69
NTDB id 514 SMSK321 RS10615 WP 001048129.1	MNLFGVGLVIVVFLIISHSYRLI.....CKGQINRKELVFGAYTLL....TEIVLDFPFSYLLHLDL..GIVKFLFPLV	69
consensus	*****!***!!** *****!***!***** ***** ***** *****!*****	

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NTDB id 419 DQL23 RS10745 WP 060553298.1	FYKYFL.KRKEYDNYLNLFLSFVIYLSVETSETFLSVIISITGDFVKQHYDIFYIITINLSLFIILKVVDFDFYFEY	158
NTDB id 416 SGO RS10505 WP 012131078.1	FYKYFLIKRKEYENYLNLFSLFVIYLSVETSETFLSVIISITGDSFVKQHYDIFYIITINLSLFIILKVVDFDFYFEY	159
NTDB id 486 SM12261 RS09375 WP 020902616.1	LYSYFRF.IKKYKYGCVFLSLLLSLLYNSTHTFLSVTLSSIIGDITALQYHSLFFLVVALTYVVIITIRYFHLELNY	148
NTDB id 997374 ABC811 RS11100 WP 000362880.1	LYSYFRW.MKQYERDRGLFSLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFVVTVLTLYFVTLKIIYYFHLELAY	148
NTDB id 249 KZH43 RS10250 WP 000362880.1	LYSYFRW.MKQYERDRGLFSLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFVVTVLTLYFVTLKIIYYFHLELAY	148
NTDB id 208 SPD RS10925 WP 000362880.1	LYSYFRW.MKQYERDRGLFSLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFVVTVLTLYFVTLKIIYYFHLELAY	148
NTDB id 174 SPR RS10405 WP 000362880.1	LYSYFRW.MKQYERDRGLFSLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFVVTVLTLYFVTLKIIYYFHLELAY	148
NTDB id 138 SP RS11430 WP 000364845.1	LYSYFRW.MKQYERDRGLFSLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFVVTVLTLYFVTLKIIYYFHLELAY	148
NTDB id 514 SMSK321 RS10615 WP 001048129.1	LYSYFRW.IKQYERDRGLFSLLSLLYESTHNFLSVTLSSITGDNFVLQYHFPFFVVTVLTLYVVLKIIHYHLDLNY	148
consensus	*!*!!** *!*!*****!!*****!*****!*****!*****!*****!*****!*****!*****!	

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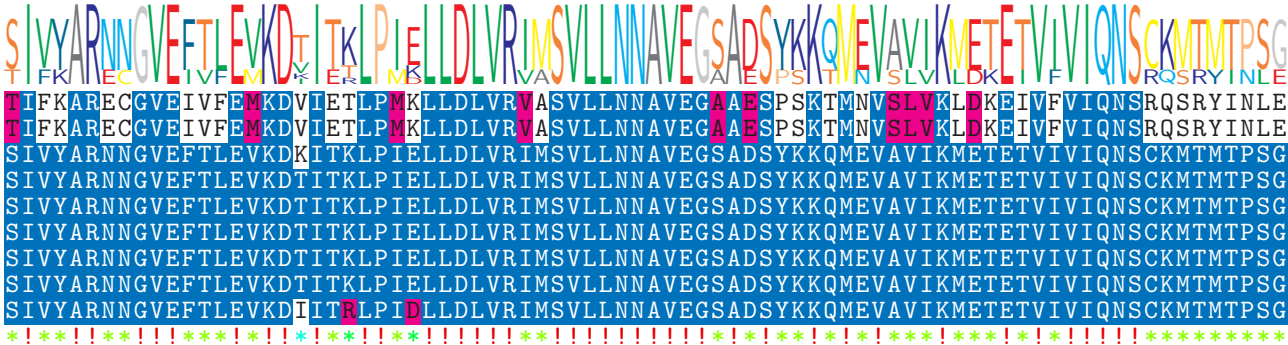
NTDB id 419 DQL23 RS10745 WP 060553298.1	FDEDYLYPELKKVFFALLLLHIVSEYSDWSTIKHLNSFGSILSSIVFISLLTFFAMNSHKVQMEKEIALKQKKFEQKH	238
NTDB id 416 SGO RS10505 WP 012131078.1	YKEPIYKNDLYNVNKSYSYIVIHILLNISHWFSENAHLSNFASMIATIGFIMFLSTLFFYLKSAEQHEKAKEIQKKKEEQK	239
NTDB id 486 SM12261 RS09375 WP 020902616.1	YKEPIYKNDLYNVNKSYSYIVIHILLNISHWFSENAHLSNFASMIATIGFIMFLSTLFFYLKSAEQHEKAKEIQKKKEEQK	239
NTDB id 997374 ABC811 RS11100 WP 000362880.1	FDDKDYLPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKH	228
NTDB id 249 KZH43 RS10250 WP 000362880.1	FDEDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKH	228
NTDB id 208 SPD RS10925 WP 000362880.1	FDEDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKH	228
NTDB id 174 SPR RS10405 WP 000362880.1	FDEDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKH	228
NTDB id 138 SP RS11430 WP 000364845.1	FDDKDYLPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKH	228
NTDB id 514 SMSK321 RS10615 WP 001048129.1	FDDKDYLPFLTKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKH	228
consensus	*****!***!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!	

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NTDB id 419 DQL23 RS10745 WP 060553298.1	LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ	318
NTDB id 416 SGO RS10505 WP 012131078.1	LQLYTDEIVGLYNEIRGFRHDYAGMLTSLQTCINSCDMKEVERIFHNVLSQLANISLRSDDYTFEFLNNVQDTALRSVLIQ	319
NTDB id 486 SM12261 RS09375 WP 020902616.1	LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ	308
NTDB id 997374 ABC811 RS11100 WP 000362880.1	LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ	308
NTDB id 249 KZH43 RS10250 WP 000362880.1	LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ	308
NTDB id 208 SPD RS10925 WP 000362880.1	LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ	308
NTDB id 174 SPR RS10405 WP 000362880.1	LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ	308
NTDB id 138 SP RS11430 WP 000364845.1	LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ	308
NTDB id 514 SMSK321 RS10615 WP 001048129.1	LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ	308
consensus	!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!*!*****!*!*!*****!*!*!*****!*!*!*****!*!*!*****!	

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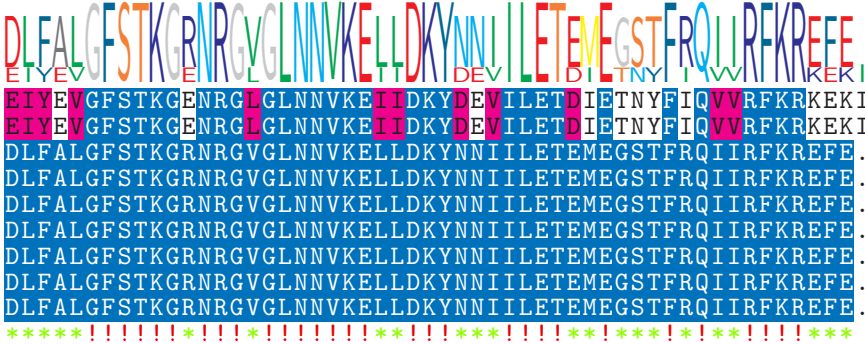
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consensus



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NTDB id 514 SMSK321 RS10615 WP 001048129.1
consensus



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☐ non conserved
☒ similar
☒ ≥ 50% conserved