

NTDB id 419	DQL23 RS10745 WP 060553298.1	.MILKIIIAFFPTIIQVVS	SYEIFHKKIMQSK	KIDIKFIFGLFFS	SIVFGISII	SSILIEIP	SFGDV	ISSIFHYIFLFI	IQPLI	79			
NTDB id 416	SGO RS10505 WP 012131078.1	.MIFTIILSIFPVI	IIQVFSY	DFFYNKINR	KKKIKINIKLI	ILFWGLIM	VISFLYS	IFLLLPDYWKIFRD	IFHYLFLLI	IQPLI	79		
NTDB id 486	SM12261 RS09375 WP 020902616.1	MDFLA	VLVILHIFII	ISKSYLLI		CKNKINIKEL	CFGGYTFL		VESVFLESFYFI	IYLDGL..	GIEKFLFPLV	69	
NTDB id 1126311	EOF31 RS11015 WP 001842237.1	MDLLGFGT	VIHFLI	ISHSYRLI		CKGRINRKEL	YVFGAYTLL		TEIVLEFSFYLLYLDK	I..	GIERFLFPLG	69	
NTDB id 138	SP RS11430 WP 000364845.1	MDLLGFGT	VIHFLI	ISHSYRLI		CKGRINRKEL	YVFGAYTLL		TEIVLEFSFYLLYLDK	I..	GIERFLFPLG	69	
NTDB id 249	KZH43 RS10250 WP 000362880.1	MDLFGFGT	VIHFLI	ISHSYHFI		CKGQINRKEL	YVFGAYTLL		TEIVFD	FPLYI	LYLDGL..	GIERFLFPLG	69
NTDB id 208	SPD RS10925 WP 000362880.1	MDLFGFGT	VIHFLI	ISHSYHFI		CKGQINRKEL	YVFGAYTLL		TEIVFD	FPLYI	LYLDGL..	GIERFLFPLG	69
NTDB id 174	SPR RS10405 WP 000362880.1	MDLFGFGT	VIHFLI	ISHSYHFI		CKGQINRKEL	YVFGAYTLL		TEIVFD	FPLYI	LYLDGL..	GIERFLFPLG	69
NTDB id 514	SMSK321 RS10615 WP 001048129.1	MNLFGV	GLVIVY	FLIISHSYRLI		CKGQINRKEL	YVFSAYITLL		TEIVLDFPSYLL	HLDDL..	GIVKFLFPLV	69	
consensus		*****!***! ** *****!***** ***** ***** *											

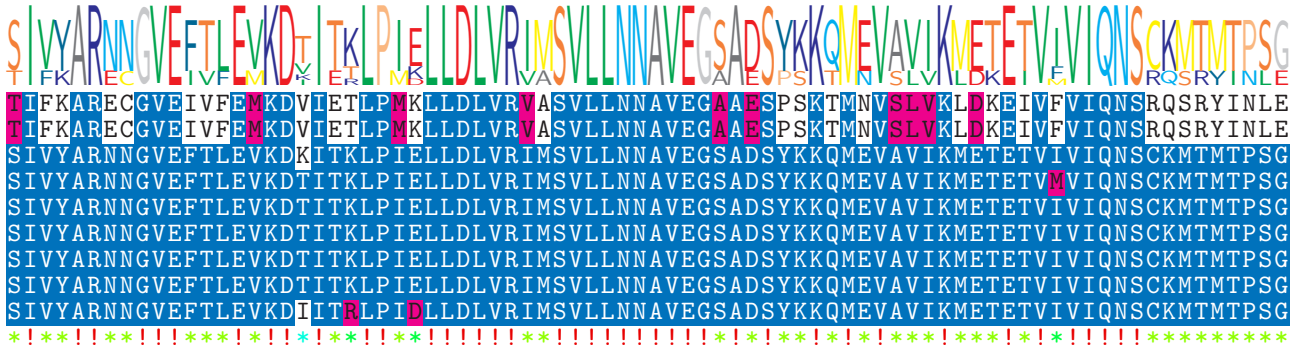
NTDB id 419 DQL23 RS10745 WP 060553298.1	FYKYFL.KRKEYDNYLNLFLSFVIYLSVETSETFLSVIISSITGDYFVKQHYDIFYIINLLSLFIILKVVDFDFYFEY	158
NTDB id 416 SGO RS10505 WP 012131078.1	FYKYFLIKRKEYENYLNLFLSFVIYLSVETSETFLSVIISSITGDSFVKQHYDIFYIINLLSLFIILKVVDFDFYFEY	159
NTDB id 486 SM12261 RS09375 WP 020902616.1	LYSYFRF.IKKYEYKRGVFLSLLLLSLLYNSTHIFLSVTLSIIIGDDTALQYHSLFVLVVVALTYVIVITIIRYFHLELN	148
NTDB id 1126311 EOF31 RS11015 WP 001842237.1	LYSYFRW.MKQYERDRGLFSLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPPFFVVTLVITYFTLKIYYFHLELAY	148
NTDB id 138 SP RS11430 WP 000364845.1	LYSYFRW.MKQYERDRGLFSLLSLLYESTHNFLSVTIFFSITGDNFVLQYHFPPFFVVTLVITYFTLKIYYFHLELAY	148
NTDB id 249 KZH43 RS10250 WP 000362880.1	LYSYFRW.MKQYERDRGLFSLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPPFFVVTLVITYFTLKIYYFHLELAY	148
NTDB id 208 SPD RS10925 WP 000362880.1	LYSYFRW.MKQYERDRGLFSLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPPFFVVTLVITYFTLKIYYFHLELAY	148
NTDB id 174 SPR RS10405 WP 000362880.1	LYSYFRW.MKQYERDRGLFSLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPPFFVVTLVITYFTLKIYYFHLELAY	148
NTDB id 514 SMSK321 RS10615 WP 001048129.1	LYSYFRW.IKQYERDRGLFSLLSLLYESTHNFLSVTLSSLITGDNFVLQYYPEPFFFLVTVLTYVVIILKIIHYFHLDLN	148
consensus	*!?!?!!** *!*!*****!!!!!!*****!!!!!!!!!!*?!*!!!!!!*****!!!!!!*****!!!!!!*	

NTDB id	419 DQL23 RS10745 WP 060553298.1	YK EPIYKNDLYNVNKSYIVIHILLNISHWFS ENAHLSNFASMIATIGFIMFLSTLFYLKSAREQHEKAKEIQKKKEEQRQ	238
NTDB id	416 SGO RS10505 WP 012131078.1	YK EPIYKNDLYNVNKSYIVIHILLNISHWFS ENAHLSNFASMIATIGFIMFLSTLFYLKSAREQEYEKAKEIQKKKEEQRQ	239
NTDB id	486 SM12261 RS09375 WP 020902616.1	FDKDYLPFLKKVFFALLLLHVVSFISDMVSTIKHLNSFGSILSSIVFISLLLTFAMNSHK KMEKEI ALKQKKFEQKH	228
NTDB id	1126311 EOF31 RS11015 WP 001842237.1	FDKDYLFPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFAMNSHKVQMEKEIALKQKKFEQKH	228
NTDB id	138 SP RS11430 WP 000364845.1	FDKDYLFPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFAMNSHKVQMEKEIALKQKKFEQKH	228
NTDB id	249 KZH43 RS10250 WP 000362880.1	FDEDYLFPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFAMNSHKVQMEKEIALKQKKFEQKH	228
NTDB id	208 SPD RS10925 WP 000362880.1	FDEDYLFPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFAMNSHKVQMEKEIALKQKKFEQKH	228
NTDB id	174 SPR RS10405 WP 000362880.1	FDEDYLFPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFAMNSHKVQMEKEIALKQKKFEQKH	228
NTDB id	514 SMSK321 RS10615 WP 001048129.1	FDKDYLFPFLT KVF FALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFAMNSHKDQMEKEIALKQKKFEQKH	228
consensus		* * * * *	

[illegible]

logo

NTDB id 419 DQL23 RS10745 WP 060553298.1
NTDB id 416 SGO RS10505 WP 012131078.1
NTDB id 486 SM12261 RS09375 WP 020902616.1
NTDB id 1126311 EOF31 RS11015 WP 001842237.1
NTDB id 138 SP RS11430 WP 000364845.1
NTDB id 249 KZH43 RS10250 WP 000362880.1
NTDB id 208 SPD RS10925 WP 000362880.1
NTDB id 174 SPR RS10405 WP 000362880.1
NTDB id 514 SMSK321 RS10615 WP 001048129.1
consensus



398
399
388
388
388
388
388
388
388

logo

NTDB id 419 DQL23 RS10745 WP 060553298.1
NTDB id 416 SGO RS10505 WP 012131078.1
NTDB id 486 SM12261 RS09375 WP 020902616.1
NTDB id 1126311 EOF31 RS11015 WP 001842237.1
NTDB id 138 SP RS11430 WP 000364845.1
NTDB id 249 KZH43 RS10250 WP 000362880.1
NTDB id 208 SPD RS10925 WP 000362880.1
NTDB id 174 SPR RS10405 WP 000362880.1
NTDB id 514 SMSK321 RS10615 WP 001048129.1
consensus



452
453
441
441
441
441
441
441
441

☐ non conserved
☒ similar
☒ ≥ 50% conserved