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NTDB id 486 SM12261 RS09375 WP 020902616.1	MDFLAVLVVILHIFIISKSYIICKNKINIKELCFPGCYTLVVSVELSFYFIYLDGLG..IBKFLFPL	68
NTDB id 514 SMSK321 RS10615 WP 001048129.1	MNLFGVGLVIVYFLIISHSYRLICKGQINRKE....LYVFSAYTLLEIVLDFPSYLLHDDLG..IVKFLFPL	68
NTDB id 138 SP RS11430 WP 000364845.1	MDLLGFGTVIVHFLIISHSYRLICKGQINRKE....LYVFGAYTLLEIVLEFSPYLLYLDKIG..IBRFLFPL	68
NTDB id 249 KZH43 RS10250 WP 000362880.1	MDLFGFGTVIVHFLIISHSYHFICKGQINRKE....LFVFGAYTLLEIVDFPLYLYLDGLG..IBRFLFPL	68
NTDB id 208 SPD RS10925 WP 000362880.1	MDLFGFGTVIVHFLIISHSYHFICKGQINRKE....LFVFGAYTLLEIVDFPLYLYLDGLG..IBRFLFPL	68
NTDB id 174 SPR RS10405 WP 000362880.1	MDLFGFGTVIVHFLIISHSYHFICKGQINRKE....LFVFGAYTLLEIVDFPLYLYLDGLG..IBRFLFPL	68
NTDB id 1120923 EL115 RS09500 WP 126441853.1	MNLDKITFIISFTIGILSFSVV.HKKISKVKIIDFRFTLLCLC.....LFLFSAFINSINSLLAYCCLLEPI	67
NTDB id 419 DQL23 RS10745 WP 060553298.1	MILKIT.IAFFPTIIQVVSYEIF.HKKIMQSKKIDIKFICGLFFSIVFGISIISSIIHIPSFGDVISSIFHYIFLFIQPL	78
NTDB id 416 SGO RS10505 WP 012131078.1	MIFTIIL.LSIFPVTIIQVFSYDFF.YNKKINRKKINIKLIIILWCLIMVIFSILYSIFLLIPDWKIFRDFHYIFLLIQPL	78
consensus	!*** **** *****!***!* *****!***** ********* ***** ***** *	

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NTDB id 486 SM12261 RS09375 WP 020902616.1	GLYSYFR.WMKQYERDRGLFSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFVVTVLTIFYFVTLKIIYFHLELA	147
NTDB id 514 SMSK321 RS10615 WP 001048129.1	GLYSYFR.WIKQYERDRGLFSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFVVTVLTIFYFVTLKIIYFHLELA	147
NTDB id 138 SP RS11430 WP 000364845.1	GLYSYFR.WMKQYERDRGLFSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFVVTVLTIFYFVTLKIIYFHLELA	147
NTDB id 249 KZH43 RS10250 WP 000362880.1	GLYSYFR.WMKQYERDRGLFSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFVVTVLTIFYFVTLKIIYFHLELA	147
NTDB id 208 SPD RS10925 WP 000362880.1	GLYSYFR.WMKQYERDRGLFSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFVVTVLTIFYFVTLKIIYFHLELA	147
NTDB id 174 SPR RS10405 WP 000362880.1	GLYSYFR.WMKQYERDRGLFSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFVVTVLTIFYFVTLKIIYFHLELA	147
NTDB id 1120923 EL115 RS09500 WP 126441853.1	IIYFYFY.RFKRYEKYISVFAIFLIYSSVTITSETFSSVITSSVTGDEFDVDRYWGIFYIFINISLIFILKTIDYKFNFK	146
NTDB id 419 DQL23 RS10745 WP 060553298.1	IFYKYFL.KRKBYDNYLNLFLSFVIYLSVETSETFLSVITSSITGDYFVKQHYDIFYIITINLLSLFIIILKVVDFFDFYFE	157
NTDB id 416 SGO RS10505 WP 012131078.1	IFYKYFLIKRKEYENYLNFLSFVIYLSVETSETFLSVITSSITGDSFVKQHYDIFYIITINLLSLFIIILKVVDFFDFYFE	158
consensus	***!!!* **!!*!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****	

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NTDB id 486 SM12261 RS09375 WP 020902616.1	YFDEKYLPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQK	227
NTDB id 514 SMSK321 RS10615 WP 001048129.1	YFDEKYLPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQK	227
NTDB id 138 SP RS11430 WP 000364845.1	YFDEKYLPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQK	227
NTDB id 249 KZH43 RS10250 WP 000362880.1	YFDEKYLPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQK	227
NTDB id 208 SPD RS10925 WP 000362880.1	YFDEKYLPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQK	227
NTDB id 174 SPR RS10405 WP 000362880.1	YFDEKYLPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQK	227
NTDB id 1120923 EL115 RS09500 WP 126441853.1	YFDEKYLPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQK	227
NTDB id 419 DQL23 RS10745 WP 060553298.1	YFDEKYLPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQK	227
NTDB id 416 SGO RS10505 WP 012131078.1	YFDEKYLPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQK	227
consensus	YFDEKYLPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQK	

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NTDB id 486 SM12261 RS09375 WP 020902616.1	HLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEI DRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVA	307
NTDB id 514 SMSK321 RS10615 WP 001048129.1	HLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEI DRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVA	307
NTDB id 138 SP RS11430 WP 000364845.1	HLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEI DRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVA	307
NTDB id 249 KZH43 RS10250 WP 000362880.1	HLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEI DRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVA	307
NTDB id 208 SPD RS10925 WP 000362880.1	HLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEI DRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVA	307
NTDB id 174 SPR RS10405 WP 000362880.1	HLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEI DRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVA	307
NTDB id 1120923 EL115 RS09500 WP 126441853.1	HLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEI DRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVA	307
NTDB id 419 DQL23 RS10745 WP 060553298.1	HLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEI DRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVA	307
NTDB id 416 SGO RS10505 WP 012131078.1	HLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEI DRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVA	307
consensus	HLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEI DRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVA	

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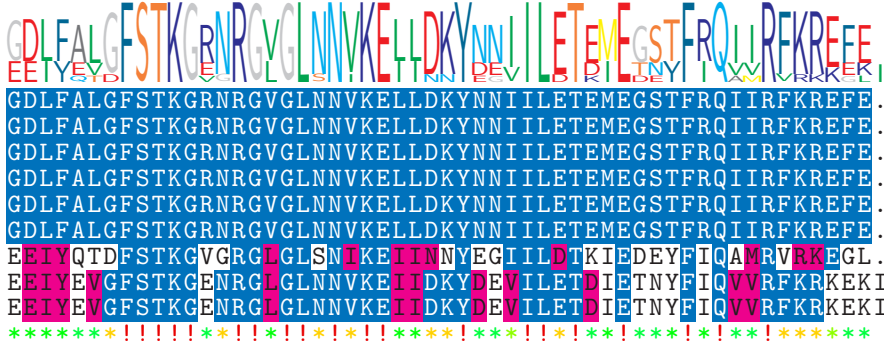
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consensus



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NTDB id 416 SGO RS10505 WP 012131078.1
consensus



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X non conserved
X similar
X ≥ 50% conserved