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NTDB id 601 KW2 RS02615 WP 021036805.1	MLCQNCNINEAT.....I	13
NTDB id 378 SMU RS02690 WP 002263569.1	MLCQNCNINEAT.....I	13
NTDB id 84490 L6410 RS08505 WP 237395323.1	MLCTNCKINDAT.....I	13
NTDB id 281 KZH43 RS03550 WP 000882517.1	MLCQNCNINDST.....I	13
NTDB id 245 SPD RS03860 WP 000882517.1	MLCQNCNINDST.....I	13
NTDB id 243 SPR RS03635 WP 000882517.1	MLCQNCNINDST.....I	13
NTDB id 241 SP RS04015 WP 000882523.1	MLCQNCNINDST.....I	13
NTDB id 85 BSU 00860 NP 387967.1	..MMFGRFTEAQQVLALAQEEALRLGHNNIGTEHILLGLVREGGIAAKALQALGLGSEKIQKEVESLIG.....RGQEMS	75
NTDB id 610 V4T04 RS10165 WP 012897346.1	MKFENIKYTPTLDRILEKAEEYAHQYQYGTIESAHLAAMATTSGSIAYSLLAGMNVDSDDLIDL.....EDLSSHVKVKR	77
NTDB id 290 KZH43 RS10025 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNSHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET	75
NTDB id 289 SPD RS10700 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNSHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET	75
NTDB id 287 SP RS11210 WP 001109712.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNSHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET	75
NTDB id 377 SMU RS09275 WP 002262344.1	MTDYSLKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFADVRFEDYQAAAAILAIGKKPKSSSN..D	79
NTDB id 297 STER RS00545 WP 011680614.1	MTIYSRKMQAIFHRAQLEAERFESPFLWTWHVLLAMVEVPGSVAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLSESDI	81
NTDB id 329 STU RS10020 WP 011225298.1	MTIYSRKMQAIFHRAQLEAERFESPFLWTWHVLLAMVEVPGSVAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLSESDI	81
consensus	**.....*	*

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NTDB id 601 KW2 RS02615 WP 021036805.1	HLYTSVNGCQKKQIDLCQNCYQ...IMKSGGQEALEFGAGNASNGNSDEPFNP.....FNDIFSAIQ...G...QDFNG	76
NTDB id 378 SMU RS02690 WP 002263569.1	HLYANVNGCQKKQIDLCQNCYQ...IMKTDPENGPLNHLSSQQ..NSSSINPF.....FDDFFGDLN...NFRAFNN..	75
NTDB id 84490 L6410 RS08505 WP 237395323.1	HLYTNMNGKQKKQVLDLCHNCYQ...IMKTDPNNAILRGLGDL..TNPNNMDP.....FSEFFNHLG...GYPGNTPAG	77
NTDB id 281 KZH43 RS03550 WP 000882517.1	HLYTNLNGKQKKQIDLCQNCYK...IKTDPNNSLFGKGMTDL..NN.RDFDP.....FGDFFNDLN...NFRPS....	72
NTDB id 245 SPD RS03860 WP 000882517.1	HLYTNLNGKQKKQIDLCQNCYK...IKTDPNNSLFGKGMTDL..NN.RDFDP.....FGDFFNDLN...NFRPS....	72
NTDB id 243 SPR RS03635 WP 000882517.1	HLYTNLNGKQKKQIDLCQNCYK...IKTDPNNSLFGKGMTDL..NN.RDFDP.....FGDFFNDLN...NFRPS....	72
NTDB id 241 SP RS04015 WP 000882523.1	HLYTNLNGKQKKQIDLCQNCYK...IKTDPNNSLFGKGMTDL..NN.RDFDP.....FGDFFNDLN...NFRPS....	72
NTDB id 85 BSU 00860 NP 387967.1	QTIHYTPRAKKVIELSMDEARKLGHSYVGTEHILLGLIREGEGVAARVLLNGLVSLNKARQQVLQL.....LGSNET....	147
NTDB id 610 V4T04 RS10165 WP 012897346.1	STLRFSPRAFEVMTAASFLAIHNNSEAVGTEHLLYALLQVEDGFGQLLLKL.....QKINIVSLRKELEKRTGLKVPESKK	153
NTDB id 290 KZH43 RS10025 WP 001109677.1	TELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLVYAILHDGNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA	160
NTDB id 289 SPD RS10700 WP 001109677.1	TELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLVYAILHDGNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA	160
NTDB id 287 SP RS11210 WP 001109712.1	TELPFSRRLQVLFDEAEYVASVVHAKVLGTEHVLVYAILHDSNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA	160
NTDB id 377 SMU RS09275 WP 002262344.1	MLLEQSHALKRTLAEAAAISQVTHAKEVGTEHVLVYAILHDSNALATRILELVGFHAKDDGESIRLLDLRKVIERYAGFSKEDIKA	164
NTDB id 297 STER RS00545 WP 011680614.1	DLRAQSPALEAMLQEAQEIASVTGAVEVGEHVLVMAFLLHKDLMVCRLLLEVAGFQYKDDSDKPRIIDLRRSLERNAGLSKQDLKA	166
NTDB id 329 STU RS10020 WP 011225298.1	DLRAQSPALEAMLQEAQGIASVTGAVEVGEHVLVMAFLLHKDLMVCRLLLEVAGFQYKDDSDKPRIIDLRRSLERNAGLSKQDLKA	166
consensus	* * * * *	* * * * *

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NTDB id	281	KZH43	RS03550	WP	000882517.1	SNTPPIP	P	T	Q	S	G	G	G	G	N	G	G	Y	G	S	Q	N	R	G	S	A	Q	T	P	P	S	S	Q	E	K	G	L	L	E	F	G	I	N	V	T	E	I	A	R	R	G	D	I	D	P	V	I	G	R	D	E	I	T	R	V	I	E	I	L	N	R	R	T	K	N	N	P	V	L	I	
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NTDB id	290	KZH43	RS10025	WP	001109677.1	.LRQRHRTV.ADKQN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	S	M	A	N	M	M	G	M	P	Q	T	P																																																	

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NTDB id 601 KW2 RS02615 WP 021036805.1	GNMDAGNILKPALARGEELQLVGATTTLNEYR.IIEKDAALERRMQPVKVDEPSVDETITILRGIQARYEDYHHVKYTDEAIEAAAH	320
NTDB id 378 SMU RS02690 WP 002263569.1	GNMDAGNILKPALARGEELQLVGATTTLNEYR.IIEKDAALERRMQPVKVDEPSVAETITILKGIQPKYEDYHHVKYTDEAIEAAAN	327
NTDB id 84490 L6410 RS08505 WP 237395323.1	GNMDAGNILKPALARGEEMQLVGATTTLNEYR.IIEKDAALERRMQPVKVDEPSVEETITILKGIQNKYQDYHHVKYSPEAIEAAAV	328
NTDB id 281 KZH43 RS03550 WP 000882517.1	GNMDAGNILKPALARGEELQLVGATTTLNEYR.IIEKDAALERRMQPVKVDEPTVDETITILKGIQKKYEDYHHVQYTDAIEAAAT	326
NTDB id 245 SPD RS03860 WP 000882517.1	GNMDAGNILKPALARGEELQLVGATTTLNEYR.IIEKDAALERRMQPVKVDEPTVDETITILKGIQKKYEDYHHVQYTDAIEAAAT	326
NTDB id 243 SPR RS03635 WP 000882517.1	GNMDAGNILKPALARGEELQLVGATTTLNEYR.IIEKDAALERRMQPVKVDEPTVDETITILKGIQKKYEDYHHVQYTDAIEAAAT	326
NTDB id 241 SP RS04015 WP 000882523.1	GNMDAGNILKPALARGEELQLVGATTTLNEYR.IIEKDAALERRMQPVKVDEPTVDETITILKGIQKKYEDYHHVQYTDAIEAAAT	326
NTDB id 85 BSU 00860 NP 387967.1	GAIDASNILKPSRLARGEELQCIGATTTLDEYRKYIEKDAALERRFQPIQVDPQSPVDESIIQLQGLRDRYEAAHHRVSIITDDAIEAAVK	376
NTDB id 610 V4T04 RS10165 WP 012897346.1	SVNDAANILKPALARGDFQMVGATTYHEYQKYIEKDEALERRLARINVDPEPSPDEAIAILQGLREKFEDYHQVKFTDQAIKSSAVM	390
NTDB id 290 KZH43 RS10025 WP 001109677.1	STLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSMTILQGLKATYEEKHHRVQITDEAVETAVK	403
NTDB id 289 SPD RS10700 WP 001109677.1	STLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSMTILQGLKATYEEKHHRVQITDEAVETAVK	403
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NTDB id 377 SMU RS09275 WP 002262344.1	STLDAANILKPALARGSLRTIGATTQEEYQKHIEKDAALSRRFAKVTIEEPSEEEAYQILLGLKKSYYETYYHHVVISDAAVMAAVK	407
NTDB id 297 STER RS00545 WP 011680614.1	STLDAANILKPALARGTLHVMVGATTQAHEYQKHIEKDAALSRRFAKITIEEPSVSEADIDILNGLRSSYEDYHRVTITDAAVETAVK	410
NTDB id 329 STU RS10020 WP 011225298.1	STLDAANILKPALARGTLHVMVGATTQAHEYQKHIEKDAALSRRFAKITIEEPSVSEADIDILNGLRSSYEDYHRVTITDAAVETAVK	410
consensus	*!!!!!!*!!!!*****!!!!!! !! !!!!!*!!!! * ****!*****!! !* *****! ! ** !****!	

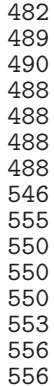
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NTDB id 610 V4T04 RS10165 WP 012897346.1	LSVRYMTSRKLPDKAIDLLDEAAAANKISVKNQQTGRDLLEKELAEAEQEELSEAVIKLDIKASRTKEKAVEKIADKIYKFS....	471
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NTDB id 289 SPD RS10700 WP 001109677.1	MAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKAADSDL....S....PADKALMDGKWKQAAQLIAKEE.....E....	467
NTDB id 287 SP RS11210 WP 001109712.1	MAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKAADSDL....S....PADKALMDGKWKQAAQLIAKEE.....E....	467
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NTDB id 297 STER RS00545 WP 011680614.1	AAHRYLTSKNLPDSAIDLLDEASATVQVRIRKK..EDKREI....T....PLDEALISGDIGAAVKQYKANQ.....K....	472
NTDB id 329 STU RS10020 WP 011225298.1	AAHRYLTSKNLPDSAIDLLDEASATVQVRIRKK..EAKREI....T....PLDEALISGDIGAAVKQYKANQ.....K....	472
consensus	** !!* * !!!*!!!!*!!!!* *** * * *** * * ! * ** ** * *	

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consensus

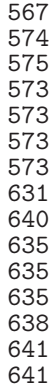
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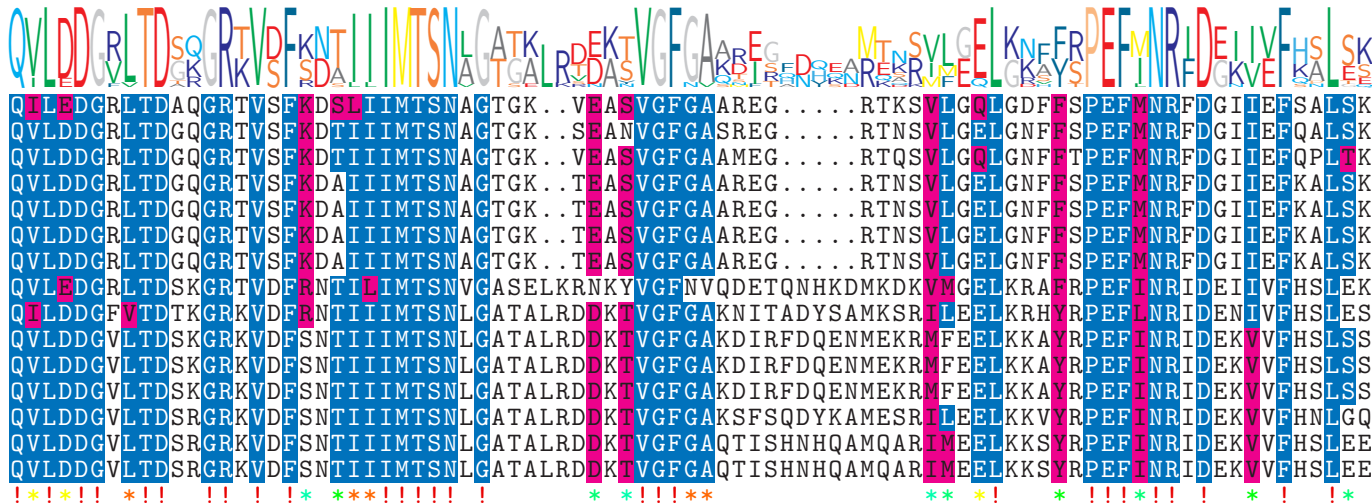
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consensus

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NTDB id 329 STU RS10020 WP 011225298.1
consensus



logo

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consensus	*		

- non conserved
- similar
- ≥ 50% conserved