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NTDB id 1284 ACE17W RS12370 WP 010946666.1	MRKIIAIIIL..ISASISMAYSKDNLSISVKVLPLENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ	78
NTDB id 1257 GC085 RS04855 WP 163621000.1	MRKIIAIIIL..ISASISLAYSKDNLSISVKVLPLENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ	78
NTDB id 316978 D7H65 RS27565 WP 033989912.1	MNSGLSRLGIALLA..MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVA..APRGYTIEQPARIALDLPGVQNKLG..T	76
NTDB id 1193 PAKAF RS26665 WP 003161249.1	MNSGLSRLGIALLA..MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVA..APRGYTIEQPARIALDLPGVQNKLG..T	76
NTDB id 1009 ACIAD RS15175 WP 004923730.1	MKQIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGQGTEIRVMFNGLPP..QPQAYQLEQPARLILDFDKAGQKLA..K	77
NTDB id 1039 HON27 RS01460 WP 031993779.1	MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP..QPQAYQLENPSRLILDFDKAQGLK..Q	77
NTDB id 1052 ABD1 RS15850 WP 001017033.1	MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP..QPQAYQLENPSRLILDFDKAQGLK..Q	77
consensus	!* ** * ** *** * *** ** * ** *****! ** ! ** ***! !!!!!* ** *	

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NTDB id 1284 ACE17W RS12370 WP 010946666.1	KTITVSTGEASVDVSDDDRRLIVNLKDSGYSYTRVEGNVEILVINNSQTSAS	145
NTDB id 1257 GC085 RS04855 WP 163621000.1	KTITVSTGEASVDVSDDDRRLIVNLKDSGYSYTRVEGNVEILVINNSQTSAS	145
NTDB id 316978 D7H65 RS27565 WP 033989912.1	KNRELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTTRVEGNLFFVVGNPAGASVASAAPVKASPAPASYAQPIKPKPY	156
NTDB id 1193 PAKAF RS26665 WP 003161249.1	KNRELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTTRVEGNLFFVVGNPAGASVASAAPVKASPAPASYAQPIKPKPY	156
NTDB id 1009 ACIAD RS15175 WP 004923730.1	SLIPVTTNEASSIDVSSDDKRARVVVNLKDAGAFTRTRVEGNVFILKINNIQSTAT....P....VAT..SA.....	138
NTDB id 1039 HON27 RS01460 WP 031993779.1	SKI SVATNEASSVDVTSDDQSRRLTVNLKDTGAFTRTRVEGNVFILKINSAQTSNK....P....LPV..VS.....	138
NTDB id 1052 ABD1 RS15850 WP 001017033.1	SKI SVATNEASSVDVTSDDQSRRLTVNLKDTGAFTRTRVEGNVFILKINSAQTSNK....P....LPV..VS.....	138
consensus	* *** ** !* ** *! !!!!!* *****! * **** * *	

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NTDB id 1284 ACE17W RS12370 WP 010946666.1	VNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 1257 GC085 RS04855 WP 163621000.1	VNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 316978 D7H65 RS27565 WP 033989912.1	VPAGRAIRNIDFQRGEKGEKNVVIDLSPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASDAQSDRT	236
NTDB id 1193 PAKAF RS26665 WP 003161249.1	VPAGRAIRNIDFQRGEKGEKNVVIDLSPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASDAQSDRT	236
NTDB id 1009 ACIAD RS15175 WP 004923730.1	PAPQQGIGNIGFQRGAQGEGLVVIDLQGTINTPVDVQQQGSKVVRFPGKIKIPHTLARRLNTTDFATPVASIDSYNDGSNG	218
NTDB id 1039 HON27 RS01460 WP 031993779.1	.AQPQGVSNIGFQRGSQGEGLVVIDLQGTINTPVDVQQQGSKVVRFPGKIKIPHTLARRLNVNDFATPVSSIDAYNDKGVG	217
NTDB id 1052 ABD1 RS15850 WP 001017033.1	.AQPQGVSNIGFQRGSQGEGLVVIDLQGTINTPVDVQQQGSKVVRFPGKIKIPHTLARRLNVNDFATPVSSIDAYNDKGVG	217
consensus	* * ****!* !!!!!* ****!* ****! * ****! ! !!!!!* !!!!!* * * *	

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NTDB id 1284 ACE17W RS12370 WP 010946666.1	RM TILSKGDYGHFVYQVNVKQFMVDVFPLTAEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQG	305
NTDB id 1257 GC085 RS04855 WP 163621000.1	RM TILSKGDYGHFVYQVNVKQFMVDVFPLTAEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQG	305
NTDB id 316978 D7H65 RS27565 WP 033989912.1	SITIEPSGLYDYL VYQTDNRLTVSIKPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQG	316
NTDB id 1193 PAKAF RS26665 WP 003161249.1	SITIEPSGLYDYL VYQTDNRLTVSIKPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQG	316
NTDB id 1009 ACIAD RS15175 WP 004923730.1	VISIQTSGSYEYMAQYAEENKLTISLKRQDNV.RLNSKNNQNYTGKKLSLNFQDIEVRRVLQLLADFTGINMVTADSQQG	297
NTDB id 1039 HON27 RS01460 WP 031993779.1	VITIQQSSGSYEYMAQYAEENKLTISLKRQDNV.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSQQG	296
NTDB id 1052 ABD1 RS15850 WP 001017033.1	VITIQQSSGSYEYMAQYAEENKLTISLKRQDNV.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSQQG	296
consensus	**! **! !!!!!* ****** * * ****! ****! !!!!!* !!!!!* !!!!!* !!!!!* !!!!!* !!!!!*	

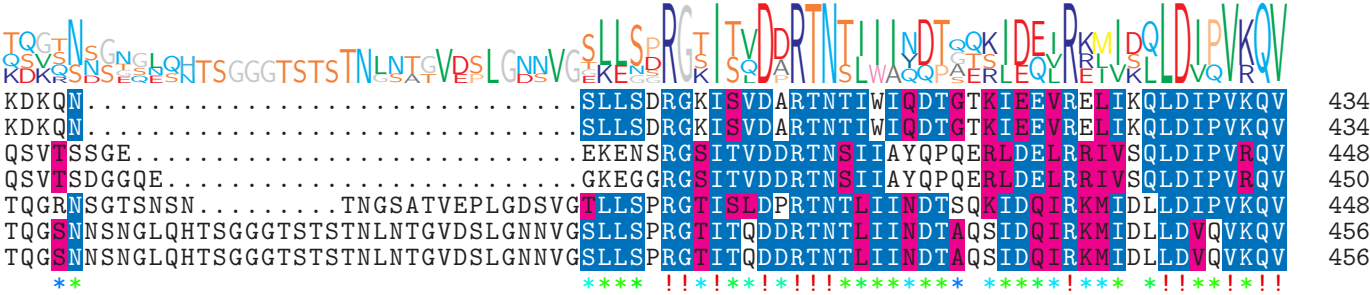
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NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus



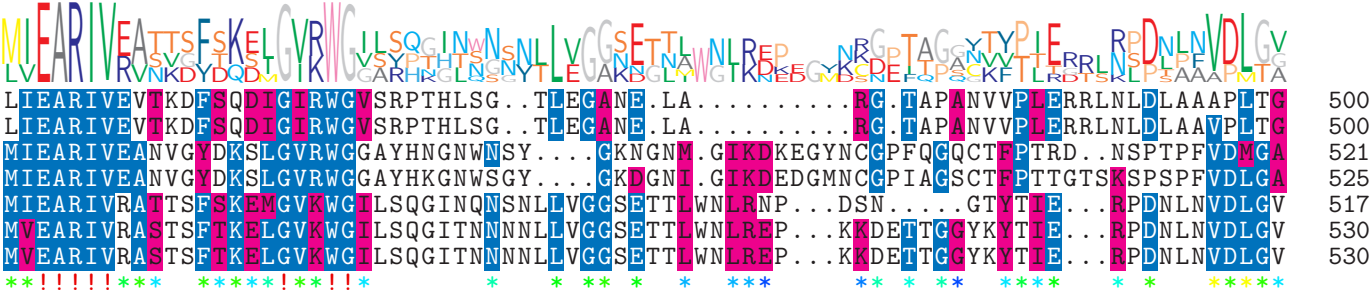
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consensus



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consensus



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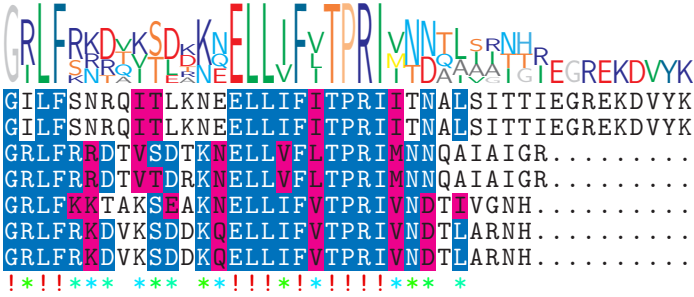
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consensus



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655
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680
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688
688

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NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus



698
698
710
714
709
721
721

X non conserved
X similar
X ≥ 50% conserved