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NTDB id 1257 GC085 RS04855 WP 163621000.1	MRKIIAIILII..SASISLAYSKDNSLISVKVLPLENRVRIDFQFSKPLKQLPASFITQKPPRLVLDLFISTDMQIPSDQ	78
NTDB id 1284 ACE17W RS12370 WP 010946666.1	MRKIIAIILII..SASLSMAYSKDNSLISVKVLPLENRVRIDFQFSKPLKQLPASFITQKPPRLVLDLFISTDMQIPSDQ	78
NTDB id 1009 ACIAD RS15175 WP 004923730.1	MKQIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGQGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDKAGQKLAK..	77
NTDB id 1039 HON27 RS01460 WP 031993779.1	MNHVFRQFSMGAVAIAIMQAASAQVSMNTIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGLKQ..	77
NTDB id 1052 ABD1 RS15850 WP 001017033.1	MNHVFRQFSMGAVAIAIMQAASAQVSMNTIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGLKQ..	77
NTDB id 30109 PSF113 RS32455 WP 014336166.1	MNRFFSALGISLWI..ALLSPMVHGASLKTLDVAALPGDRVELKLTDFDGPPP.TPRGYTTEQPARIALDLPGVTNQLAS..	76
NTDB id 1193 PA5040 NP 253727.1	MNSGLSRLGIALLA.AMFAPALLAADLEKLDVAAALPGDRVELKLQFDEPVA.APRGYTTEQPARIALDLPGVQNKLGIT..	76
consensus	!* ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * **	

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NTDB id 1257 GC085 RS04855 WP 163621000.1	KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGTAGSVSYSLVLNGKSNDLFENSKEV.....FITNQV	145
NTDB id 1284 ACE17W RS12370 WP 010946666.1	KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGTAGSIYSLVLNGKSNDLFENSKEV.....FITNQV	145
NTDB id 1009 ACIAD RS15175 WP 004923730.1	SLIPVTTNEASSIDVSSDDKRRVVVNLIKDAGAFITTRVEGNVFIKINNISTATA.....TPVATSAPA.....	140
NTDB id 1039 HON27 RS01460 WP 031993779.1	SKISVATNEASSVDVTSDDQRSRLTVNLKDTGAFITTRVEGNFIKINSAQTSN.....KPLPVVS.A.....	139
NTDB id 1052 ABD1 RS15850 WP 001017033.1	SKISVATNEASSVDVTSDDQRSRLTVNLKDTGAFITTRVEGNFIKINSAQTSN.....KPLPVVS.A.....	139
NTDB id 30109 PSF113 RS32455 WP 014336166.1	KRLDLGGGNARSATVVEAGDRTRLIIIGLTQLAPYDTRVEGNLNFVVVGKGSAPRSAAPKSSAQARP..AVASAAPARTS	154
NTDB id 1193 PA5040 NP 253727.1	KNRELSVGNTRSVTVVEAKDRTRLIINLTALSSYITTRVEGNLNFVVVGNSPAGASVASAAPVKASPAFASYAQPIKPKPY	156
consensus	* ** * * !* ** *! !*!*****! * *****! * **** * *	

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NTDB id 1257 GC085 RS04855 WP 163621000.1	VNAKHEIKRIDFRGIEKQGGRLVIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 1284 ACE17W RS12370 WP 010946666.1	VNAKHEIKRIDFRGIEKQGGRLVIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 1009 ACIAD RS15175 WP 004923730.1	..PQQGIGNIGFQRGAQGEGLVVIDLQGTINTPVDVQQQGSKVVRFPGIKIPHTLARRLNTTDFATPVASIDSYNDGSNG	218
NTDB id 1039 HON27 RS01460 WP 031993779.1	..QPQGVSNIGFQRGSQGEGLVVDLLGSNTPVDVQQQGSKVVRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG	217
NTDB id 1052 ABD1 RS15850 WP 001017033.1	..QPQGVSNIGFQRGSQGEGLVVDLLGSNTPVDVQQQGSKVVRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG	217
NTDB id 30109 PSF113 RS32455 WP 014336166.1	APVGKAIRGVDFQRGTQGEKNVVIDLSDPSTIAPDIQEREGKIILNFARTQLPEPLRVRLDVKDFATPVQFVNASAGSDRA	234
NTDB id 1193 PA5040 NP 253727.1	VPAGRAIRNIDFQRGEKGEKNVVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRT	236
consensus	*****!*** **!* !!!!!***** ****!***** ***** ** ****! ! **** *! !!!!!* * * ** *	

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NTDB id 1257 GC085 RS04855 WP 163621000.1	RMITILSKGDYGHFVYQVNVKQFMVDVFPLTAAEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQG	305
NTDB id 1284 ACE17W RS12370 WP 010946666.1	RMITILSKGDYGHFVYQVNVKQFMVDVFPLTAAEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQG	305
NTDB id 1009 ACIAD RS15175 WP 004923730.1	VISIQSTGSYEYMAQYAEENKLTISLKRQPD.NVRLNSKNNQNYTGKKISLDFQDIEVRRVLQLLADFTNINMVTADSQQG	297
NTDB id 1039 HON27 RS01460 WP 031993779.1	VITIQSSGSYEYMAQYAEENKLTISLKRQPD.KNVTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSQQG	296
NTDB id 1052 ABD1 RS15850 WP 001017033.1	VITIQSSGSYEYMAQYAEENKLTISLKRQPD.KNVTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSQQG	296
NTDB id 30109 PSF113 RS32455 WP 014336166.1	TISIEPSGTFDYSTYQTDNKLTVSVRPMVDDLLQKRNADRAAYSGEKLSLNFQDIEVRSVLQLIADFTNLNLVASDVTQGG	314
NTDB id 1193 PA5040 NP 253727.1	SITIEPSGLYDYLVTQTDNRLTVSIKPMTTEDAEERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDVTQGG	316
consensus	**! **!***** !! ********** *** * **! ****! !!!!!***** !!!!!***** !!!!!	

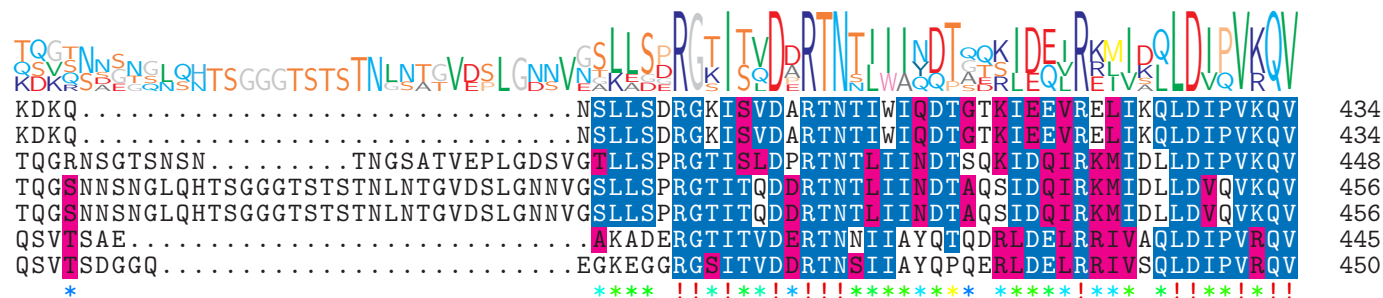
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consensus

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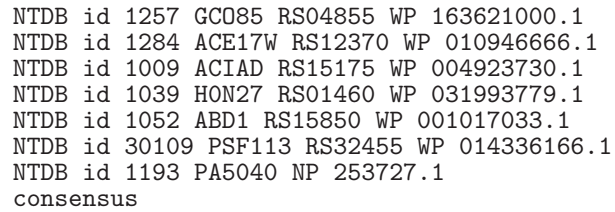
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NTDB id 30109 PSF113 RS32455 WP 014336166.1
NTDB id 1193 PA5040 NP 253727.1
consensus
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-  non conserved
-  similar
-  $\geq 50\%$ conserved