

logo

|                                             |                                                                                   |    |
|---------------------------------------------|-----------------------------------------------------------------------------------|----|
| NTDB id 1284 ACE17W RS12370 WP 010946666.1  | MRKIIAIIIL..ISASISMAYSKDNLSISVKVLPLENRVRIDFQFSKPLKQLPASFITQKPPRLVLDLFISTDMQIPSDQ  | 78 |
| NTDB id 1257 GC085 RS04855 WP 163621000.1   | MRKIIAIIIL..ISASISLAYSKDNLSISVKVLPLENRVRIDFQFSKPLKQLPASFITQKPPRLVLDLFISTDMQIPSDQ  | 78 |
| NTDB id 275362 CSB93 RS04290 WP 003148771.1 | MNSGLSRLGIALAA..MFAPALLAADLEKLDVAALPGDRVELKLQFDQVVA.TPRGYTIEQPARIALDLPGVQNKLG..T  | 76 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1   | MNSGLSRLGIALAA..MFAPALLAADLEKLDVAALPGDRVELKLQFDQVVA..APRGYTIEQPARIALDLPGVQNKLG..T | 76 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1   | MKQIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGQGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDKAGQKLA..K  | 77 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1    | MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGLK..Q   | 77 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1   | MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGLK..Q   | 77 |
| consensus                                   | !* ** * ** *** * *** ** * ** *****! ** ! ** ***! !!!!!* ** *                      |    |

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|---------------------------------------------|----------------------------------------------------------------------------------|-----|
| NTDB id 1284 ACE17W RS12370 WP 010946666.1  | KTITVSTGEASVDVSDDDRRLIVNLKDSGYTTRVEGNVEILVINNSQTSAS                              | 145 |
| NTDB id 1257 GC085 RS04855 WP 163621000.1   | KTITVSTGEASVDVSDDDRRLIVNLKDSGYTTRVEGNVEILVINNSQTSAS                              | 145 |
| NTDB id 275362 CSB93 RS04290 WP 003148771.1 | KNRELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNLNFVVVGNSPAGASVASAAPVKASPAPASYAQPIKPKPY | 156 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1   | KNRELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNLNFVVVGNSPAGASVASTAPVKASPAPASYAQPIKPKPY | 156 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1   | SLIPVTTNEASSIDVSSDDKRRARVVVNLKDAGAFTRTRVEGNVFILKINNIQSTAT....PV.....A..TSA.....  | 138 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1    | SKI SVATNEASSVDVTSDDDQRSRLTVNLKDAGAFTRTRVEGNVFILKINSAQTSNK....PL.....P..VVS..... | 138 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1   | SKI SVATNEASSVDVTSDDDQRSRLTVNLKDAGAFTRTRVEGNVFILKINSAQTSNK....PL.....P..VVS..... | 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 275362 CSB93 RS04290 WP 003148771.1 | VPAGRAIRNIDFQRGEKGEKNVVIDLSPTLSPDIQEQQGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASQSDRT     | 236 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1   | VPAGRAIRNIDFQRGEKGEKNVVIDLSPTLSPDIQEQQGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASQSDRT     | 236 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1   | PAPQQGIGNIGFQRGAQGEGLVVIDLQGTINTPVDVQQQGSKVVRFPGIKIPHTLARRLNTTDFATPVASIDSYNDGSNG   | 218 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1    | .AQPQGVSNIGFQRGSQGEGLVVIDLQGTINTPVDVQQQGSKVVRIRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG | 217 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1   | .AQPQGVSNIGFQRGSQGEGLVVIDLQGTINTPVDVQQQGSKVVRIRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG | 217 |
| consensus                                   | * * ****!* !*****! !!!!!***** ***** * **** ! ! !***** !!!!!!* * * ** *             |     |

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|---------------------------------------------|------------------------------------------------------------------------------------|-----|
| NTDB id 1284 ACE17W RS12370 WP 010946666.1  | RM TILSKGDYGHFVYQVVKQFMVDVFPLTAEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQG   | 305 |
| NTDB id 1257 GC085 RS04855 WP 163621000.1   | RM TILSKGDYGHFVYQVVKQFMVDVFPLTAEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQG   | 305 |
| NTDB id 275362 CSB93 RS04290 WP 003148771.1 | SITIEPSGLYDYL VYQTDNRLTVSIKPM TADDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQG | 316 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1   | SITIEPSGLYDYL VYQTDNRLTVSIKPM TTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQG | 316 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1   | VISIQTSGSYEYMAQYAEENKLTISLKRQD.NVRLSKNNQNYTGKKISLDFQDIEVRRVLQLLADFTGINMVTADSQQG    | 297 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1    | VITIQSSGSYEYMAQYAEENKLTISLKRQD.KNVTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSQQG   | 296 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1   | VITIQSSGSYEYMAQYAEENKLTISLKRQD.KNVTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSQQG   | 296 |
| consensus                                   | **! **! !*****! ********** * * **! ****!* !!!!!***** !!!!!***** !!!!!              |     |

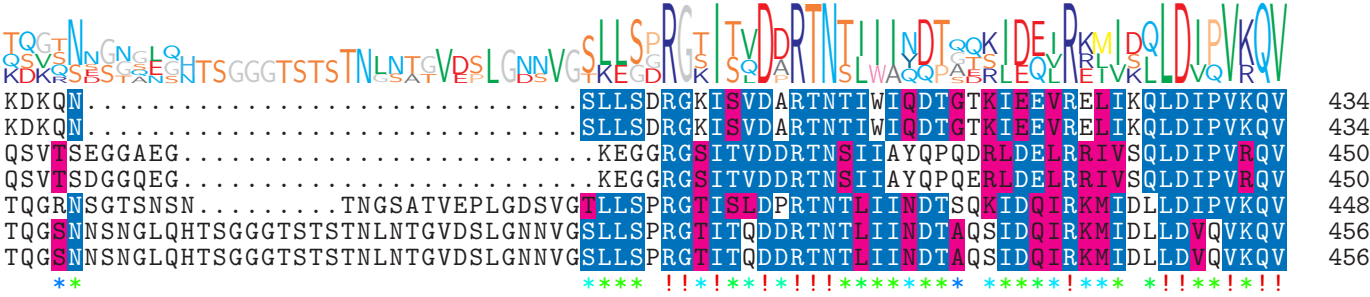
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NTDB id 1052 ABD1 RS15850 WP 001017033.1  
NTDB id 1039 HON27 RS01460 WP 031993779.1  
consensus



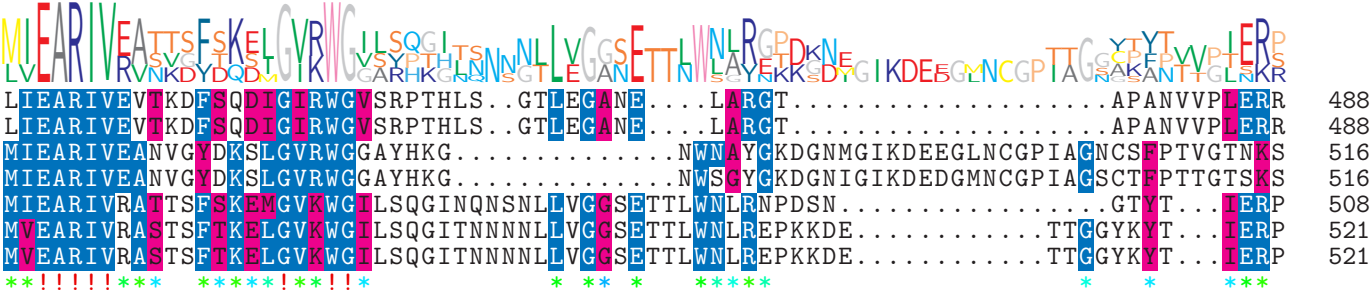
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consensus



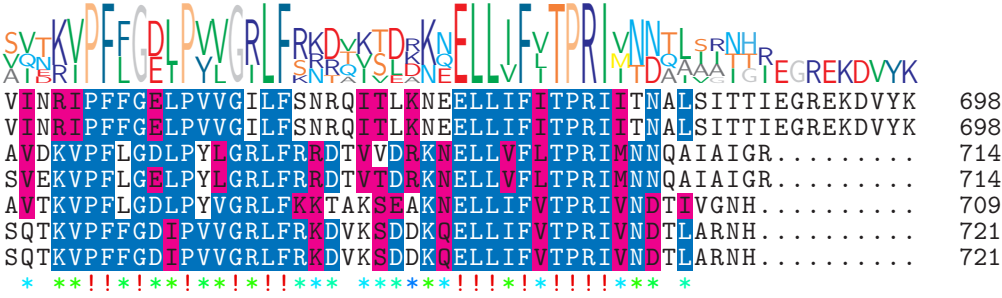
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consensus



X non conserved  
X similar  
X ≥ 50% conserved