

logo

|                                             |                                                                                  |    |
|---------------------------------------------|----------------------------------------------------------------------------------|----|
| NTDB id 1284 ACE17W RS12370 WP 010946666.1  | MRKIIAIIIL..ISASISMAYSKDNLSISVKVLPLENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ  | 78 |
| NTDB id 1257 GC085 RS04855 WP 163621000.1   | MRKIIAIIIL..ISASISLAYSKDNLSISVKVLPLENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ  | 78 |
| NTDB id 155474 A6701 RS27615 WP 069376938.1 | MNSGLSRLGIALAA.MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVA.VPRGYTIEQPARIALDLPGVQNKLG..T  | 76 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1   | MNSGLSRLGIALAA.MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVA.VPRGYTIEQPARIALDLPGVQNKLG..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 155474 A6701 RS27615 WP 069376938.1 | KNRELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTTRVEGNLFFVVGNSPAGASVASAAPVRASPAPASYAQPIKPKPY | 156 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1   | KNRELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTTRVEGNLFFVVGNSPAGASVASAAPVRASPAPASYAQPIKPKPY | 156 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1   | SLIPVTTNEASSIDVSSDDKRRARVVVNLKDAGAFFTRVEGNVFILKINNIQSTAT....P....VAT..SAP.....   | 139 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1   | SKI SVATNEASSVDVTSDDQRSRLTVNLKDTGAFTRVEGNTFILKINSAQTSNK....P....LPV..VS.....     | 138 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1    | SKI SVATNEASSVDVTSDDQRSRLTVNLKDTGAFTRVEGNTFILKINSAQTSNK....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 155474 A6701 RS27615 WP 069376938.1 | VPAGRAIRNIDFQRGEKGEKNVVIDLSPTLSPDIQEQQGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASQSDRT   | 236 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1   | VPAGRAIRNIDFQRGEKGEKNVVIDLSPTLSPDIQEQQGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASQSDRT   | 236 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1   | .APQQGIGNIGFQRGAQGEGLVVIDLQGTINTPVDVQQQGSKVVRFPGIKIPHTLARRLNTTDFATPVASIDSYNDGSNG | 218 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1   | .AQPQGVSNIGFQRGSQGEGLVVIDLGSNTPVDVQQQGSKVVRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG   | 217 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1    | .AQPQGVSNIGFQRGSQGEGLVVIDLGSNTPVDVQQQGSKVVRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG   | 217 |
| consensus                                   | * * ****!* !*****! !!!!!*****! ***** * * ***! ! !***** !!!!!!* * * ** *          |     |

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|---------------------------------------------|-----------------------------------------------------------------------------------|-----|
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| NTDB id 1257 GC085 RS04855 WP 163621000.1   | RM TILSKGDYGHFVYQVVKQFMDVFPPLTAEEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQG | 305 |
| NTDB id 155474 A6701 RS27615 WP 069376938.1 | SITIEPSGLYDYL VYQTDNRLTVSIKPMTMEAEARRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQG | 316 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1   | SITIEPSGLYDYL VYQTDNRLTVSIKPMTMEAEARRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQG | 316 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1   | VISIQTSYSYEMAYQAENKLTISLKRQDNV.RLNSKNNQNYTGKKISLDFQDIEVRRVLQLLADFTGINMVTADSQQG    | 297 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1   | VITIQQSSGSYEMAYQAENKLTISLKRQDNV.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSQQG   | 296 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1    | VITIQQSSGSYEMAYQAENKLTISLKRQDNV.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSQQG   | 296 |
| consensus                                   | **! **! !*****! ********** * * **! ****!* !!!!!*****! !!!!!*****! !!!!!*          |     |

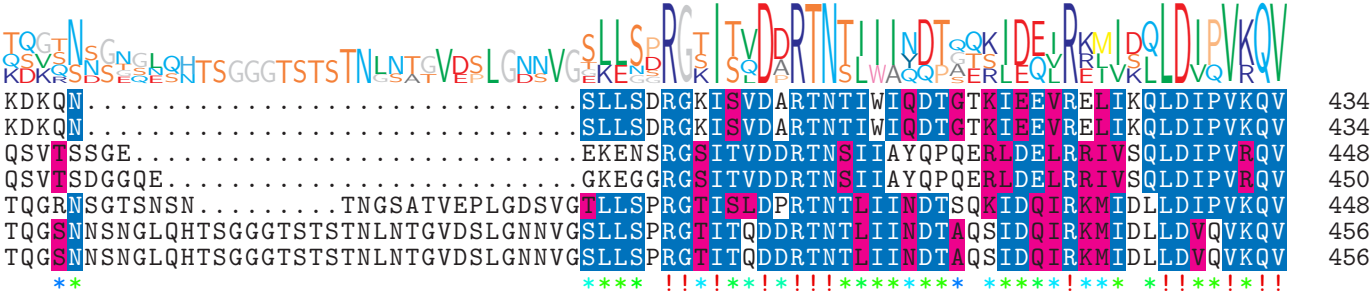
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NTDB id 1052 ABD1 RS15850 WP 001017033.1  
consensus



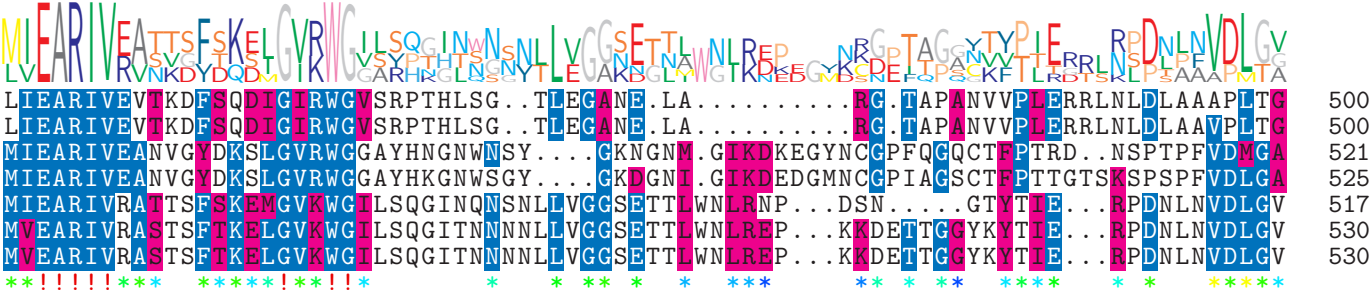
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consensus

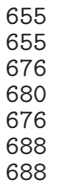


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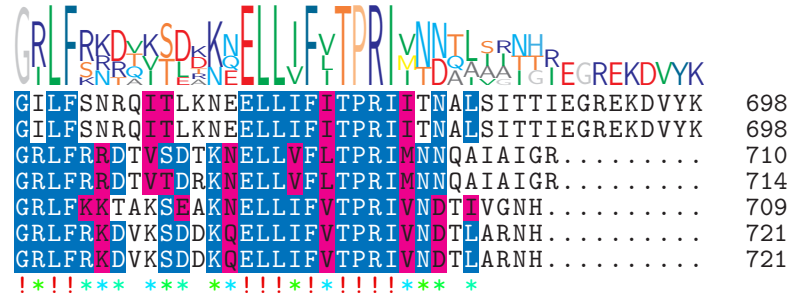
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NTDB id 1039 HON27 RS01460 WP 031993779.1  
NTDB id 1052 ABD1 RS15850 WP 001017033.1  
consensus



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NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GCO85 RS04855 WP 163621000.1
NTDB id 155474 A6701 RS27615 WP 069376938.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
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consensus
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NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GCO85 RS04855 WP 163621000.1
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NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus
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- X non conserved
- X similar
- X  $\geq 50\%$  conserved