

logo

|                                              |                                                                                     |    |
|----------------------------------------------|-------------------------------------------------------------------------------------|----|
| NTDB id 1284 ACE17W RS12370 WP 010946666.1   | MRKIIIAIILIIIS..ASISMAYSKDNISLVKVIPLPENRVRIDFQFQSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ  | 78 |
| NTDB id 1257 GCO85 RS04855 WP 163621000.1    | MRKIIIAIILIIIS..ASISLAYSKDNISLVKVIPLPENRVRIDFQFQSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ  | 78 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1    | MKQIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPCGGTEIRVMFNGLPP.QPQAYQLEQPARILDFDKAGQKLA..K     | 77 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1    | MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIACGGTEIRVMFNGLPP.QPQAYQLENP SRLILDFDKAQQGLK..Q   | 77 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1     | MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIACGGTEIRVMFNGLPP.QPQAYQLENP SRLILDFDKAQQGLK..Q   | 77 |
| NTDB id 1148809 C6H38 RS02860 WP 060412076.1 | MTRILISITGVSLC.IAMLSPPVLQAANLKTLDVAALPCDRIELKLAFDAPVP.APRCYTTAQPARIALDLPGVTSQLE..T  | 76 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1    | MNSGLSRLGIALI..AAMFAPALLAADLEKIDVAAALPCDRVELKLQFDEPVA..APRCYTLEQPARIALDLPGVQNKLG..T | 76 |
| consensus                                    | ! ** * ** * **** ** ** * ** ***** ! **** ! ** *** ! ! * ! ! * * * *                 |    |

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|----------------------------------------------|-----------------------------------------------------------------------------------|-----|
| NTDB id 1284 ACE17W RS12370 WP 010946666.1   | KTITVTCGEASSVDWSDDRPRLIVN KDSCSYTTRVEINVELIVN SKQTSASKEFEENSKEVEFTKPYPV           | 143 |
| NTDB id 1257 GCO85 RS04855 WP 163621000.1    | KTITVTCGEASSVDWSDDRPRLIVN KDSCSYTTRVEINVELIVN SKQTSASKEFEENSKEVEFTKPYPV           | 143 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1    | SLIPVTTNEASSIDVSSDDKRARVVVNLKDAGAFTRVEGNVIFILKINNISTATPVIAT                       | 136 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1    | SKISVATNEASSVDVTSDDQSRSLTVNLKDTGAFTRVEGNTHILKINSAQTSN                             | 136 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1     | SKISVATNEASSVDVTSDDQSRSLTVNLKDTGAFTRVEGNTHILKINSAQTSN                             | 136 |
| NTDB id 1148809 C6H38 RS02860 WP 060412076.1 | KSRHELGTGNARSVVVVQAQDRTRVILNLTTLAPYSSRVDCNNLFFVIGQGAAQAASQPTTAMGAQRVAVPPPPAPASARP | 156 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1    | KNREL SVGNTRSVTVVEAKDRTRLITNLTTLSSYTTRVEGNLNFVVGNSPAGASVASTAPVKASAPASYAQPIKPKP    | 155 |
| consensus                                    | * *** ** * ! * ** ! * ! * ! * ! * * ***** ! * * ***** * **                        |     |

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|----------------------------------------------|------------------------------------------------------------------------------------|-----|
| NTDB id 1284 ACE17W RS12370 WP 010946666.1   | QVVNAKHEIKRIDFRGIEKQGGGRVLIDVSDTGIPIDVTQVCKEIVVNFLNTKIPNLNLMKRYDVSDFHSPVQIITMQQEGK | 223 |
| NTDB id 1257 GCO85 RS04855 WP 163621000.1    | QVVNAKHEIKRIDFRGIEKQGGGRVLIDVSDTGIPIDVTQVCKEIVVNFLNTKIPNLNLMKRYDVSDFHSPVQIITMQQEGK | 223 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1    | SAPAPQQCIGNIGFQRGAQGEGLVVIDLQGTNTPDVQVQQGSKVVVREPQGIKIPTHLARRLNTDFATPVASIDSYNDGS   | 216 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1    | VS.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQVQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKG  | 215 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1     | VS.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQVQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKG  | 215 |
| NTDB id 1148809 C6H38 RS02860 WP 060412076.1 | FIPAGVKAIRNVDFQRGELGECNVVIDLSNPSIAPDIQEQGGKIRVDFAKTQLPEPLRVRLDVKDFATPVQFVNSASATCD  | 236 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1    | YVPAG.RAIRNIDFQRGEKGEKNVVIDLSDPTLSPDIQEQGGKIRVDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSD   | 234 |
| consensus                                    | * ** ***** ! ***** ** ! ! * ! * * * * ! * * ! * * ! * * * * ! * ! * * ! * * * * *  |     |

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| NTDB id 1284 ACE17W RS12370 WP 010946666.1   | KVRMTILSKGDYGHFVYQVKNQFMVDVFPITAEERIRQAKLKKQVFTGKRISLNFQNISTRAVLQLLADFTGINMVVSDKV        | 303 |
| NTDB id 1257 GCO85 RS04855 WP 163621000.1    | KVRMTILSKGDYGHFVYQVKNQFMVDVFPITAEERIRQAKLKKQVFTGKRISLNFQNISTRAVLQLLADFTGINMVVSDKV        | 303 |
| NTDB id 1009 ACIAD RS15175 WP 004923730.1    | NGVISIQSTGSYBYMAYQAENKLTISLKRPPQN.VRLNSKNMNQNYTCKKISLDFQDIEVRRVLQLLADFTGINMVTADSV        | 295 |
| NTDB id 1039 HON27 RS01460 WP 031993779.1    | VGVITIQSSGSYBYMAYQAENKLTISLKRPPQDK.NVTSLYKTPNYSCKNLSLDFQDIEVRRVLQLLADFTGINMVAADSV        | 294 |
| NTDB id 1052 ABD1 RS15850 WP 001017033.1     | VGVITIQSSGSYBYMAYQAENKLTISLKRPPQDK.NVTSLYKTPNYSCKNLSLDFQDIEVRRVLQLLADFTGINMVAADSV        | 294 |
| NTDB id 1148809 C6H38 RS02860 WP 060412076.1 | KASILIEPSCAFDYSAEQTENKLTISVPLTNDIDRRRAADKPVYTGCKLSLNFQDIDVRSVLQLADFTGINLVASDTV           | 316 |
| NTDB id 1193 PAKAF RS26665 WP 003161249.1    | RTSITIEPSCGLDYDLYVYQTDNRLTVSLKPMITEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLADFTGINLVASDTV        | 314 |
| consensus                                    | ** ** ! ** ! ***** ! ***** ***** * * * * ! * * ! * ! * ! * ! * ! * ! * ! * ! * ! * ! * ! |     |

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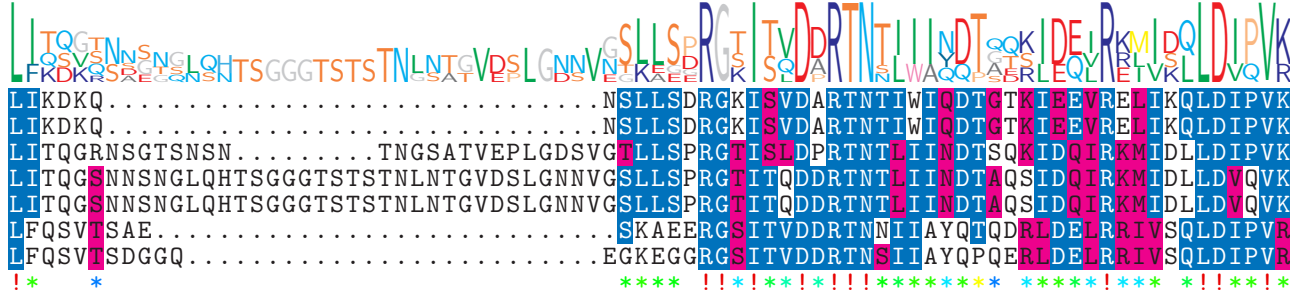
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NTDB id 1052 ABD1 RS15850 WP 001017033.1  
NTDB id 1148809 C6H38 RS02860 WP 060412076.1  
NTDB id 1193 PAKAF RS26665 WP 003161249.1  
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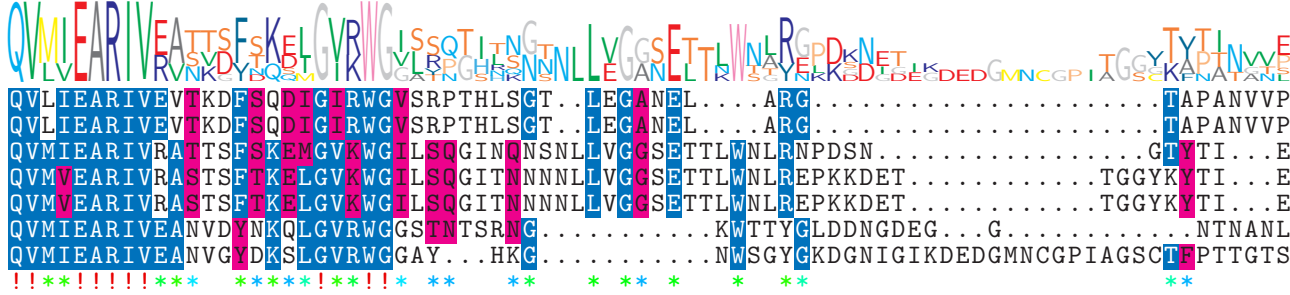
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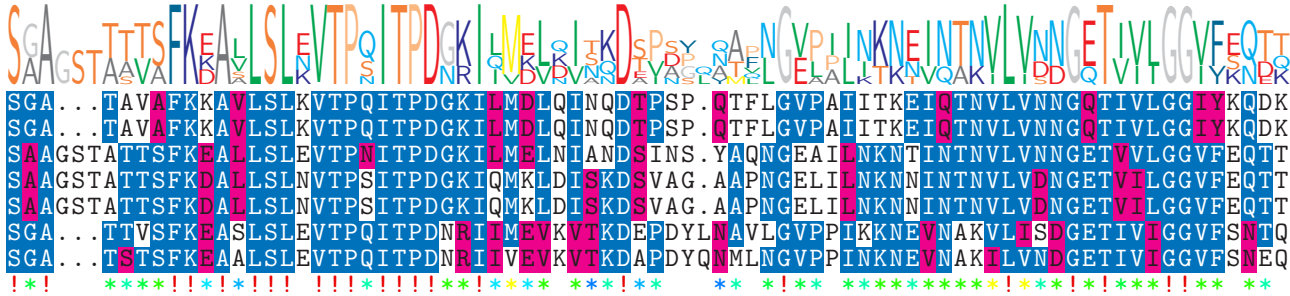
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NTDB id 1039 HON27 RS01460 WP 031993779.1  
NTDB id 1052 ABD1 RS15850 WP 001017033.1  
NTDB id 1148809 C6H38 RS02860 WP 060412076.1  
NTDB id 1193 PAKAF RS26665 WP 003161249.1  
consensus



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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 1257 GCO85 RS04855 WP 163621000.1  
NTDB id 1009 ACIAD RS15175 WP 004923730.1  
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NTDB id 1193 PAKAF RS26665 WP 003161249.1  
consensus



☐ non conserved  
☒ similar  
☒ ≥ 50% conserved