



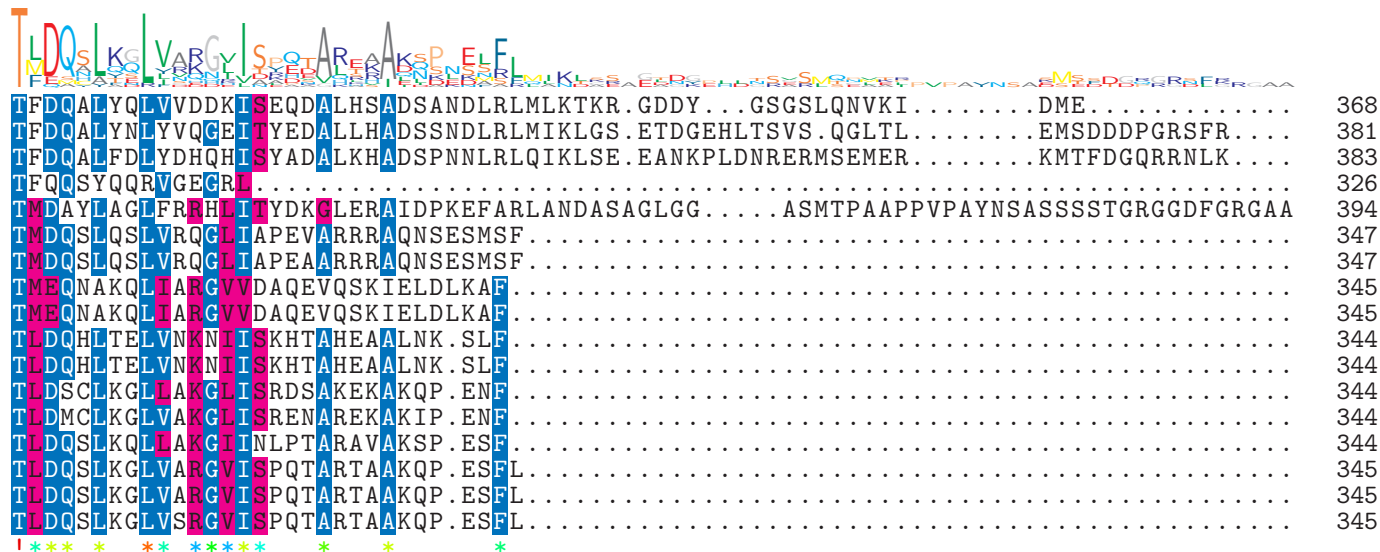
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|                                             |                  |                    |                      |                      |              |               |
|---------------------------------------------|------------------|--------------------|----------------------|----------------------|--------------|---------------|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1 | LTVEDPIEFVHEH    | KRCIVTQREVGLDTES   | YEVALKNSLRQAPDMILIGE | IRSRETMEYAMTFAETGHL  | CMATLHANNANQ | 233           |
| NTDB id 1203 PSJM300 01605 AFN76401.1       | TSIEDPIEFTHQHQC  | IVTQREVGLDTSFEVAL  | KNTLRQAPDVILIGEVR    | TRETMHDHAVAFAETGHL   | CLATLHANNANQ | 235           |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1   | ITIEDPIEFHHEHAGC | IITQREVGLDTSFEIAL  | KNTLRQAPDVILIGEIR    | SREVMDYALAFATGHLV    | FATLHANNANQ  | 236           |
| NTDB id 384892 FOL19 RS20290 WP 001055622.1 | LTLEDPEVEYLYASQ  | RCLIQREITGLHCMTFAS | GLRAALREDPDVILLGEL   | RDSSETIRLALTAETGHL   | VLATLHTRGAAQ | 232           |
| NTDB id 1307 DR RS10055 WP 010888596.1      | LTIEDPIEFMHPNKAS | TINQREVGSDTLSFDD   | ALRAALRQAPDVILVGE    | MRDYETIKAAVTAAETGHL  | VMGTLHTNSAPE | 239           |
| NTDB id 1086 NMV RS00245 WP 002218487.1     | LTIEDPIEFVHQSKKS | LINQRELHQHTLSFANA  | ALRSALREDPDVILVGE    | MRDPETIGLALTAETGHL   | VFGTLHTTGAAK | 235           |
| NTDB id 1116 NGFG RS10615 WP 003690200.1    | LTIEDPIEFVHQSKKS | LINQRELHQHTLSFANA  | LSSALREDPDVILVGE     | MRDPETIGLALTAETGHL   | VFGTLHTTGAAK | 235           |
| NTDB id 1185 GTF74 RS11940 WP 000350195.1   | LTIEDPIEFVHSNNK  | LINQREVHRDTHSFKN   | ALRSALREDPDVILVGE    | LRDQETISLALTAETGHL   | VFGTLHTSSAAK | 235           |
| NTDB id 1176 A1552VC RS01160 WP 000350195.1 | LTIEDPIEFVHSNNK  | LINQREVHRDTHSFKN   | ALRSALREDPDVILVGE    | LRDQETISLALTAETGHL   | VFGTLHTSSAAK | 235           |
| NTDB id 1283 ACE17W RS02630 WP 010947729.1  | LTVEDPIEFVHQSKK  | CLVNQREVHKDTLSFNA  | ALRSALREDPDIILVGE    | LRDLETIRLAMTAAETGHL  | VFGTLHTNSATK | 235           |
| NTDB id 1259 GC085 RS10305 WP 010947729.1   | LTVEDPIEFVHQSKK  | CLVNQREVHKDTLSFNA  | ALRSALREDPDIILVGE    | LRDLETIRLAMTAAETGHL  | VFGTLHTNSATK | 235           |
| NTDB id 1202 PSJM300 01600 AFN76400.1       | LTIEDPIEFVHESKK  | CLVNQREVHRDTLGF    | SEALRSALREDPDIILV    | GEMRDLETIRLALTAETGHL | VFGTLHTTSAAK | 235           |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1   | LTIEDPIEFVHESKK  | CLVNQREVHRDTLGF    | SEALRSALREDPDIILV    | GEMRDLETIRLALTAETGHL | VFGTLHTTSAAK | 235           |
| NTDB id 1020 ACIAD RS04210 WP 01182164.1    | LTVEDPIEFVHEPKK  | CLINQREVHRDTLGF    | FNEALRSALREDPDIILV   | GEMRDLETIRLALTAETGHL | VFGTLHTTSAAK | 235           |
| NTDB id 1060 ABD1 RS04380 WP 000355489.1    | LTVEDPIEFVHQSKK  | CLINQREVHRDTHGF    | FNEALRSALREDPDIILV   | GEMRDLETIRLALTAETGHL | VFGTLHTTSAAK | 235           |
| NTDB id 1040 HON27 RS13360 WP 000355489.1   | LTVEDPIEFVHQSKK  | CLINQREVHRDTHGF    | FNEALRSALREDPDIILV   | GEMRDLETIRLALTAETGHL | VFGTLHTTSAAK | 235           |
| NTDB id 1081 FDQ49 RS05335 WP 006581387.1   | LTVEDPIEFVHQSKK  | CLINQREVHRDTHGF    | FNEALRSALREDPDIILV   | GEMRDLETIRLALTAETGHL | VFGTLHTTSAAK | 235           |
| consensus                                   | ***!!*!* **      |                    |                      |                      |              | *****!!*!* ** |

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|                                             |                                                                                    |     |
|---------------------------------------------|------------------------------------------------------------------------------------|-----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1 | ALERILHLVPKEQREQFLLDLSLNLKGVIAQQQLLRDKNGKGRHGVFEVLINSPRIADLIIRRGELHELKATMARSQEVGMQ | 313 |
| NTDB id 1203 PSJM300 01605 AFN76401.1       | ALDRIINFPPADRQNVWMDLSLNLKATVAQQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDLGMQ   | 315 |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1   | TLERIIHFFDADRHHQIFMDLSLNLKAVISQQLIPTHDQGSRAAVEVLINTPLLLSDYIRQGEIYKIKELMARSQELGMQ   | 316 |
| NTDB id 384892 FOL19 RS20290 WP 001055622.1 | AVERLVDSFPAQAEKDPVRNQLAGSLRAVLSSQKLEVDKQEGRVALLFELLINTPAVGNLIREGKTHQLPHVIQTGQVGMQ  | 311 |
| NTDB id 1307 DR RS10055 WP 010888596.1      | SIDRIVDVFPPEEQEQEIRVQLANNLVAVMTQQLLRADGGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGAREGMV  | 319 |
| NTDB id 1086 NMV RS00245 WP 002218487.1     | TVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLKTHDGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQASGMQ    | 315 |
| NTDB id 1116 NGFG RS10615 WP 003690200.1    | TVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLKTHDGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQASGMQ    | 315 |
| NTDB id 1185 GTF74 RS11940 WP 000350195.1   | TIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKRVGGGRVACHEIMLATPAIRNLIREDKVAQMYSSIQTGAHGMQ     | 314 |
| NTDB id 1176 A1552VC RS01160 WP 000350195.1 | TIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKRVGGGRVACHEIMLATPAIRNLIREDKVAQMYSSIQTGAHGMQ     | 314 |
| NTDB id 1283 ACE17W RS02630 WP 010947729.1  | TINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLLKKNKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGMQ   | 314 |
| NTDB id 1259 GC085 RS10305 WP 010947729.1   | TINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLLKKNKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGMQ   | 314 |
| NTDB id 1202 PSJM300 01600 AFN76400.1       | TIDRVVDVFPAEEKSMVRSMLSESLQAVISQTLKKVGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSSIQTGGSLSGMQ    | 314 |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1   | TIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLKKVGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGGSLSGMQ    | 314 |
| NTDB id 1020 ACIAD RS04210 WP 01182164.1    | TIDRIIDVFPAEEKDMVRTMLSESLQAVISQTLKKVGGGRVAAHEIMIGIPAIRNLIREGKVAQMYSSIQTGATHGMT     | 314 |
| NTDB id 1060 ABD1 RS04380 WP 000355489.1    | TIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLKKVGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGMT     | 314 |
| NTDB id 1040 HON27 RS13360 WP 000355489.1   | TIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLKKVGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGMT     | 314 |
| NTDB id 1081 FDQ49 RS05335 WP 006581387.1   | TIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLKKVGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGMT     | 314 |
| consensus                                   | ***!***** *!***! *****! **** ***** *****!?! ***** ***** !!*                        |     |

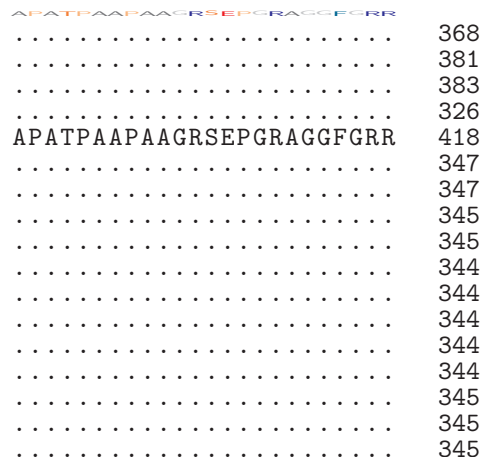
NTDB id 1177 A1552VC RS01165 WP 000422572.1  
NTDB id 1203 PSJM300 01605 AFN76401.1  
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NTDB id 384892 FOL19 RS20290 WP 001055622.1  
NTDB id 1307 DR RS10055 WP 010888596.1  
NTDB id 1086 NMV RS00245 WP 002218487.1  
NTDB id 1116 NGFG RS10615 WP 003690200.1  
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NTDB id 1020 ACIAD RS04210 WP 011182164.1  
NTDB id 1060 ABD1 RS04380 WP 000355489.1  
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consensus



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NTDB id 1177 A1552VC RS01165 WP 000422572.1
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NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 384892 FOL19 RS20290 WP 001055622.1
NTDB id 1307 DR RS10055 WP 010888596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
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NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HON27 RS13360 WP 000355489.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
consensus

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- X non conserved
- X similar
- X > 50% conserved