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NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 59228 00840 RS19005 WP 001055622.1
NTDB id 1448 BW25113 RS15320 WP 001326494.1
NTDB id 1307 DR RS10055 WP 010888596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1185 GTF74 RS11940 WP 000350195.1
NTDB id 1176 A1552VC RS01160 WP 000350195.1
NTDB id 1283 ACE17W RS02630 WP 010947729.1
NTDB id 1259 GC085 RS10305 WP 010947729.1
NTDB id 1202 PSJM300 01600 AFN76400.1
NTDB id 1194 PA0395 NP 249086.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
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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NTDB id 1081 FDQ49 RS05335 WP 006581387.1
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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	ISIEDPIEFIHQHQNC	IVTQREVGLDTSFEVAL	KNTLRQAPDVILIGEVR	TRETMHDHAVAFAETGHL	CLATLHANNANQ	235	
NTDB id 1019 ACIAD RS04205 WP 004922051.1	ITIEDPIEFIEHAGCI	ITQREVGLDTSFEIAL	KNTLRQAPDVILIGE	IRSREVMYALAF	ETGHLVFAATLHANNANQ	236	
NTDB id 59228 00840 RS19005 WP 001055622.1	LTLEDPVVEYL	YASQRCLIQREI	IGLHMTFASGLRAAL	REDPDVILLGELRD	SETIRLALTA	AETGHLVLAATLHTRGAAQ	232
NTDB id 1448 BW25113 RS15320 WP 001326494.1	LTLEDPVVEYL	YASQRCLIQREI	IGLHMTFASGLRAAL	REDPDVILLGELRD	SETIRLALTA	AETGHLVLAATLHTRGAAQ	232
NTDB id 1307 DR RS10055 WP 010888596.1	LTIEDPIEFMH	PNKASIIINQREV	GSDTLSFDDALRAAL	RQAPDVILVGEMR	DYETIKA	AAVTAETGHLVMGTLHTNSAPE	239
NTDB id 1086 NMV RS00245 WP 002218487.1	LTIEDPIEFVHQ	SKKSLINQREL	HQHTLSFANALRSAL	REDPDVILVGEMR	DPETIGLALTA	AETGHLVFGTLHTTGA	235
NTDB id 1116 NGFG RS10615 WP 003690200.1	LTIEDPIEFVHQ	SKKSLINQREL	HQHTLSFANALSSAL	REDPDVILVGEMR	DPETIGLALTA	AETGHLVFGTLHTTGA	235
NTDB id 1185 GTF74 RS11940 WP 000350195.1	LTIEDPIEFVHSNN	KCLINQREVHRD	THSFKNALRSAL	REDPDVILVGELRD	QETISLALTA	AETGHLVFGTLHTSSA	235
NTDB id 1176 A1552VC RS01160 WP 000350195.1	LTIEDPIEFVHSNN	KCLINQREVHRD	THSFKNALRSAL	REDPDVILVGELRD	QETISLALTA	AETGHLVFGTLHTSSA	235
NTDB id 1283 ACE17W RS02630 WP 010947729.1	LTVEDPIEFVHQ	SKKCLVNQREV	HKDTLSFNAALRSAL	REDPDIILVGELR	DLLETIRLAMTA	AETGHLVFGTLHTNSATK	235
NTDB id 1259 GC085 RS10305 WP 010947729.1	LTVEDPIEFVHQ	SKKCLVNQREV	HKDTLSFNAALRSAL	REDPDIILVGELR	DLLETIRLAMTA	AETGHLVFGTLHTNSATK	235
NTDB id 1202 PSJM300 01600 AFN76400.1	LTIEDPIEFVHES	SKKCLVNQREVHR	DTLGFSEALRSAL	REDPDIILVGEMR	DLLETIRLALTA	AETGHLVFGTLHTTSA	235
NTDB id 1194 PA0395 NP 249086.1	LTIEDPIEFVHES	SKKCLVNQREVHR	DTLGFSEALRSAL	REDPDIILVGEMR	DLLETIRLALTA	AETGHLVFGTLHTTSA	235
NTDB id 1020 ACIAD RS04210 WP 011182164.1	LTVEDPIEFVHEP	KKCLINQREVHR	DTLGFNEALRSAL	REDPDIILVGEMR	DLLETIRLALTA	AETGHLVFGTLHTTSA	235
NTDB id 1060 ABD1 RS04380 WP 000355489.1	LTVEDPIEFVHQ	SKKCLINQREVHR	DTLGFNEALRSAL	REDPDIILVGEMR	DLLETIRLALTA	AETGHLVFGTLHTTSA	235
NTDB id 1040 HON27 RS13360 WP 000355489.1	LTVEDPIEFVHQ	SKKCLINQREVHR	DTLGFNEALRSAL	REDPDIILVGEMR	DLLETIRLALTA	AETGHLVFGTLHTTSA	235
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	LTVEDPIEFVHQ	SKKCLINQREVHR	DTLGFNEALRSAL	REDPDIILVGEMR	DLLETIRLALTA	AETGHLVFGTLHTTSA	235
consensus	***!!!!**	*****!!!!*****	*!!!!*****	!!!!*****!!!!*****	!!!!*****!!!!*****	!!!!*****	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	ALERILHLVPKEQREQFLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLNSPRIADLIRRGELHELKATMARSQEVGMQ	313
NTDB id 1203 PSJM300 01605 AFN76401.1	ALDRIIINFFPADRQNVWMDLSLNLKAIVAQQLVPTPDGKGRRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDLGMQ	315
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMARSQELGMQ	316
NTDB id 59228 00840 RS19005 WP 001055622.1	AVERLVDSFPAQEKDPVRNQLAGSLRAVLSQKLEVD.KQEGRVALFELLINTPAVGNLIREGKTHQLPHVIQTGQQVGMQ	311
NTDB id 1448 BW25113 RS15320 WP 001326494.1	AVERLVDSFPAQEKDPVRNQLAGSLRAVLSQKLEVD.KQEGRVALFELLINTPAVGNLIREGKTHQLPHVIQTGQQVGMQ	311
NTDB id 1307 DR RS10055 WP 010888596.1	SIDRIVDVFPPEEQQEQRVQLANNLVAVMTQQLLPADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGAREGMV	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	TIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAMYSIIQTGAAHGMQ	314
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAMYSIIQTGAAHGMQ	314
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TINRIIDVFPAAEKSMMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMCTGAIRNLIREDKIAQMYSSIQTGQAKGMQ	314
NTDB id 1259 GC085 RS10305 WP 010947729.1	TINRIIDVFPAAEKSMMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMCTGAIRNLIREDKIAQMYSSIQTGQAKGMQ	314
NTDB id 1202 PSJM300 01600 AFN76400.1	TIDRVVDVFPAAEKSMMVRSMLSESLQAVISQTLKK.VGGGRVAAHEIMIGTPAIRNLIREDKVAMYSIIQTGGSLSGMQ	314
NTDB id 1194 PA0395 NP 249086.1	TIDRVVDVFPAAEKAAMVRSMLSESLQSVISQTLKK.IGGGRVAAHEIMIGTPAIRNLIREDKVAMYSIIQTGGSLSGMQ	314
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TIDRIIDVFPAAEKDMVRTMLSESLQAVISQTLKK.EGGGRVAAHEIMIGIPAIRNLIREGKVAMYSIIQTGATHGMT	314
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TIDRVIDVFPAAEKDMVRAMLSESLQAVISQTLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAMYSIIQTGANHGMT	314
NTDB id 1040 HON27 RS13360 WP 000355489.1	TIDRVIDVFPAAEKDMVRAMLSESLQAVISQTLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAMYSIIQTGANHGMT	314
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TIDRVIDVFPAAEKDMVRAMLSESLQAVISQTLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAMYSIIQTGANHGMT	314
consensus	***!***** *!!!! ***** !**** *****!*****!***** ***** !* ***** ***** !!*	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVVDKISEQDALHSADSandLRLMLKTK.RGDDY...GSGSLQNVKI.....DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLG.SETDGEHLTSVS.QGLTL.....EMSDDDPGRSFR....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TFDQALFDLYDHQHSYADALKHADSPNNLRLQIKLS.EEANKPLDNRRERMSEMER.....KMTFDGQRRNLK....	383
NTDB id 59228 00840 RS19005 WP 001055622.1	TFQQSYQQRVGEGR.....	326
NTDB id 1448 BW25113 RS15320 WP 001326494.1	TFQQSYQHRVGEGR.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHHLITYDKGLERAIDPKEFARLANDASAGLGG....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA	394
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGGLIAPEVARRRAQNSESMSF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGGLIAPEAARRRAQNSESMSF.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TMEQNAKQLIARGVVDAQEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TMEQNAKQLIARGVVDAQEVQSKIELDLKAF.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TLDQHLTELVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	TLDQHLTELVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	TLDSCCLKGLLAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1194 PA0395 NP 249086.1	TLDMCLKGLVAKGLISRENAREKAKIP.ENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKQLLAKGIIINLPTARAVAKSP.ESF.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLVARGVISPQTARTA AKQP.ESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLVARGVISPQTARTA AKQP.ESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLVSRGVISPQTARTA AKQP.ESFL.....	345
consensus	!*** * ** ***** * *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1		368
NTDB id 1203 PSJM300 01605 AFN76401.1		381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 59228 00840 RS19005 WP 001055622.1	.....	326
NTDB id 1448 BW25113 RS15320 WP 001326494.1	.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	APATPAAPAAGRSEPGRAGGFGRR	418
NTDB id 1086 NMV RS00245 WP 002218487.1	.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	344
NTDB id 1194 PA0395 NP 249086.1	.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.....	345
consensus		

- ☒ non conserved
- ☒ similar
- ☒ ≥ 50% conserved