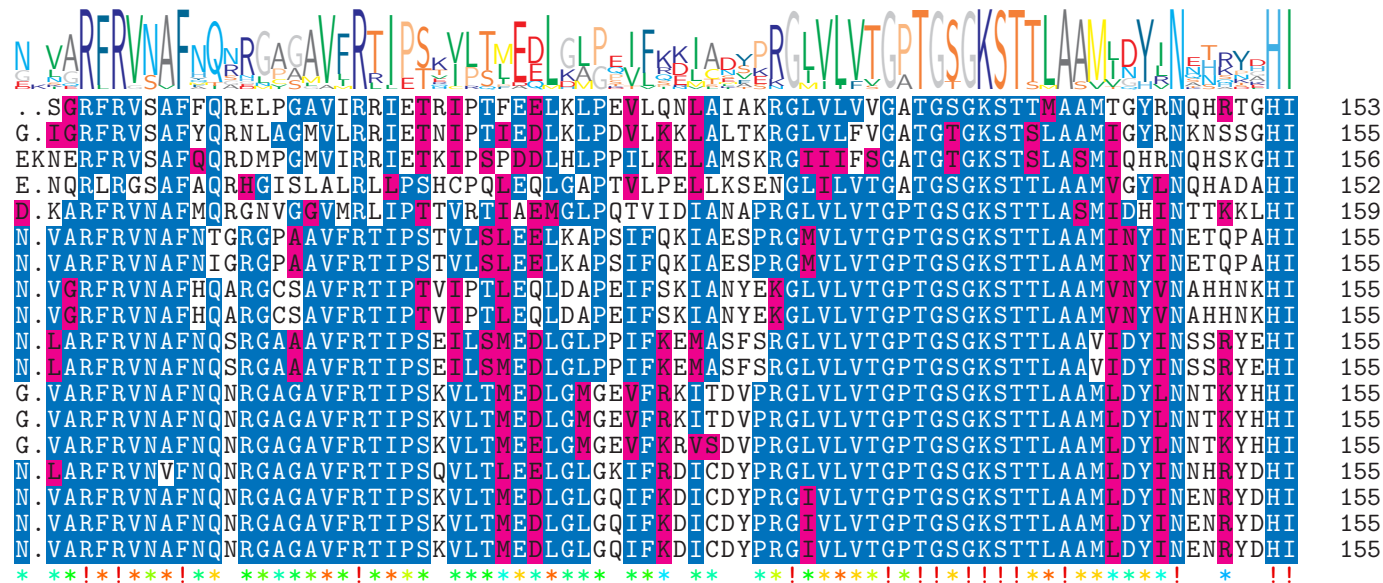


NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 1448 BW25113 RS15320 WP 001326494.1
NTDB id 1307 DR RS10055 WP 01088596.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1185 GTF74 RS11940 WP 000350195.1
NTDB id 1176 A1552VC RS01160 WP 000350195.1
NTDB id 1283 ACE17W RS02630 WP 010947729.1
NTDB id 1259 GCO85 RS10305 WP 010947729.1
NTDB id 74546 CH92 RS19375 WP 025243414.1
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 1177 A1552VC RS01165 WP 000422572.1	LTVEDPIEFVHEH	KRCIVTQREVGLDTES	YEVALKNSLRQAPDMILIGEIRSR	RETMEYAMTFAETGHL	CMATLHANNANQ	233
NTDB id 1203 PSJM300 01605 AFN76401.1	ISIEDPIEFTHQHQC	IVTQREVGLDTSFEVAL	KNTLRQAPDVILIGEVRTRETMDH	AVAFETGHLCLATLHANNANQ		235
NTDB id 1019 ACIAD RS04205 WP 004922051.1	ITIEDPIEFHHEHAGC	ITQREVGLDTSFEIAL	KNTLRQAPDVILIGEIRSR	REVMYALAFETGHLV	FATLHANNANQ	236
NTDB id 1448 BW25113 RS15320 WP 001326494.1	LTLEDPEYLYAS	QRCLIQREITGLH	MTFASGLRAALREDPDVILL	GELRDS	ETIRLALTA	232
NTDB id 1307 DR RS10055 WP 010888596.1	LTIEDPIEFMHPNK	ASTINQREVGS	DTLSFDDALRAALRQAPDVIL	VGEMRDYETIKA	AVTAAETGHLVMGTLHTNSAPE	239
NTDB id 1116 NGFG RS10615 WP 003690200.1	LTIEDPIEFVHQSKK	SLINQRELHQHTLS	FSFANALSSALREDPDVIL	VGEMRDPETIGLALTA	AETGHLVFGTLHTTGA	235
NTDB id 1086 NMV RS00245 WP 002218487.1	LTIEDPIEFVHQSKK	SLINQRELHQHTLS	FSFANALRSALREDPDVIL	VGEMRDPETIGLALTA	AETGHLVFGTLHTTGA	235
NTDB id 1185 GTF74 RS11940 WP 000350195.1	LTIEDPIEFVHSNN	KCLINQREVHRDTH	SFKNALRSALREDPDVIL	VGELRDQETISLALTA	AETGHLVFGTLHTSSA	235
NTDB id 1176 A1552VC RS01160 WP 000350195.1	LTIEDPIEFVHSNN	KCLINQREVHRDTH	SFKNALRSALREDPDVIL	VGELRDQETISLALTA	AETGHLVFGTLHTSSA	235
NTDB id 1283 ACE17W RS02630 WP 010947729.1	LTVEDPIEFVHQSKK	CLVNQREVHKDTLS	FNAAALRSALREDPDII	LVGELRDLETIRLAM	TAAETGHLVFGTLHTNSATK	235
NTDB id 1259 GC085 RS10305 WP 010947729.1	LTVEDPIEFVHQSKK	CLVNQREVHKDTLS	FNAAALRSALREDPDII	LVGELRDLETIRLAM	TAAETGHLVFGTLHTNSATK	235
NTDB id 74546 CH92 RS19375 WP 025243414.1	LTIEDPIEFVHESK	KCLVNQREVHRD	TGFSALRSALREDPDII	LVGEMRDLETIRLALTA	AETGHLVFGTLHTTSA	235
NTDB id 1202 PSJM300 01600 AFN76400.1	LTIEDPIEFVHESK	KCLVNQREVHRD	TGFSALRSALREDPDII	LVGEMRDLETIRLALTA	AETGHLVFGTLHTTSA	235
NTDB id 1194 PA0395 NP 249086.1	LTIEDPIEFVHESK	KCLVNQREVHRD	TGFSALRSALREDPDII	LVGEMRDLETIRLALTA	AETGHLVFGTLHTTSA	235
NTDB id 1020 ACIAD RS04210 WP 011182164.1	LTVEDPIEFVHEPK	KCLINQREVHRD	TGFSALRSALREDPDII	LVGEMRDLETIRLALTA	AETGHLVFGTLHTTSA	235
NTDB id 1060 ABD1 RS04380 WP 000355489.1	LTVEDPIEFVHQSK	KCLINQREVHRD	TGFSALRSALREDPDII	LVGEMRDLETIRLALTA	AETGHLVFGTLHTTSA	235
NTDB id 1040 HON27 RS13360 WP 000355489.1	LTVEDPIEFVHQSK	KCLINQREVHRD	TGFSALRSALREDPDII	LVGEMRDLETIRLALTA	AETGHLVFGTLHTTSA	235
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	LTVEDPIEFVHQSK	KCLINQREVHRD	TGFSALRSALREDPDII	LVGEMRDLETIRLALTA	AETGHLVFGTLHTTSA	235
consensus	***!!!!*!***	*****!!!!*!***	*!*****!!!!*!***	*****!!!!*!***	*****!!!!*!***	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	ALERILHLV	PKEREQFLDLS	LSNLKGVIAQQLLR	DKNGKGRHGVFEVL	LNSPRIADLIR	GELHELKATMARSQEVGMQ	313
NTDB id 1203 PSJM300 01605 AFN76401.1	ALDRIINFFP	ADRQNVWMDLS	LSNLKAI	VAQQLVPTPDG	GKGRRAVIEVL	INTPLAADLIRKGEVHELKGLMKRSTDLGMQ	315
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TLERIIHFFD	ADRHQQIFMD	LSNLKAVISQQL	IPTHD	GQSRRAAVEVL	INTPLLSDYIRQGEITYKIKELMARS	316
NTDB id 1448 BW25113 RS15320 WP 001326494.1	AVERLVDSFPA	QEKDPVRNQL	AGSLRAVLSQK	LEVD	KQEGRV	ALFELLINTPAVGNLIREGKTHQLPHVIQ	311
NTDB id 1307 DR RS10055 WP 010888596.1	SIDRIVDVFP	EEQEQIRVQL	ANNLVAVMTQQL	LP	RADGQGRV	LAYEILLANPAVRALIREGKTFQITSVMTGAREGMV	319
NTDB id 1116 NGFG RS10615 WP 003690200.1	TVDRIVDVFP	AGEKEMVRS	MLES	SLTAVISQNL	LLKTHDGN	GRVASHEILIANPAVRNLIRENKITQINSVLQ	315
NTDB id 1086 NMV RS00245 WP 002218487.1	TVDRIVDVFP	AGEKEMVRS	MLES	SLTAVISQNL	LLKTHDGN	GRVASHEILIANPAVRNLIRENKITQINSVLQ	315
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TIDRIIDVFP	PGSDKDMVRS	MLES	SLRAVIAQKLLK	R	VGGGRVACHEIMLATPAIRNLIREDKV	314
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TIDRIIDVFP	PGSDKDMVRS	MLES	SLRAVIAQKLLK	R	VGGGRVACHEIMLATPAIRNLIREDKV	314
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TINRIIDVFP	PAEEKSMVRS	MLES	SLQAVVAQSLLK	K	NGGGRVAALEIMMCTGAIRNLIREDKIAQMYSS	314
NTDB id 1259 GC085 RS10305 WP 010947729.1	TINRIIDVFP	PAEEKSMVRS	MLES	SLQAVVAQSLLK	K	NGGGRVAALEIMMCTGAIRNLIREDKIAQMYSS	314
NTDB id 74546 CH92 RS19375 WP 025243414.1	TIDRVVDVFP	PAEEKSMVRS	MLES	SLQAVISQTL	LLK	VGGGRVAAHEIMIGTPAIRNLIREDKV	314
NTDB id 1202 PSJM300 01600 AFN76400.1	TIDRVVDVFP	PAEEKSMVRS	MLES	SLQAVISQTL	LLK	VGGGRVAAHEIMIGTPAIRNLIREDKV	314
NTDB id 1194 PA0395 NP 249086.1	TIDRVVDVFP	PAEEKAMVRS	MLES	SLQSVISQTL	IKK	IGGGRVAAHEIMIGTPAIRNLIREDKV	314
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TIDRIIDVFP	PAEEKDMVRT	MLES	SLQAVISQTL	LLK	EGGGRVAAHEIMIGTPAIRNLIREGKVAQMYSS	314
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TIDRVVDVFP	PAEEKDMVR	AMLSES	SLQAVISQTL	LLK	NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSA	314
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consensus	***!*****	*****!***!	*****! !***	*****!*****!*****	*****!***	*****	***** !!*

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVVDKISEQDALHSADSANLRLMLKTK.RGDDY...GSGSLQNVKI.....DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLG.SETDGEHLTSVS.QGLTL.....EMSDDDPGRSFR....	381
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NTDB id 1448 BW25113 RS15320 WP 001326494.1	TFQQSYQHRVGEGRLL.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAIDPKEFARLANDASAGLGG....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA	394
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGLIAPEAARRRAQNSEMSF.....	347
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGLIAPEVARRRRAQNSEMSF.....	347
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NTDB id 1283 ACE17W RS02630 WP 010947729.1	TLDQHLTELNVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	TLDQHLTELNVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 74546 CH92 RS19375 WP 025243414.1	TLDACLKGLLAKGLISRDAAKEKAKQP.ENF.....	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	TLDQSLKQLLAKGIINLPTARAVAKSP.ESF.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLVSRGVISPQTARTAAKQP.ESFL.....	345
consensus	!*** * ** ***** * *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	APATPAAPAAGRSEPGRAGGFGRR	368
NTDB id 1203 PSJM300 01605 AFN76401.1		381
NTDB id 1019 ACIAD RS04205 WP 004922051.1		383
NTDB id 1448 BW25113 RS15320 WP 001326494.1		326
NTDB id 1307 DR RS10055 WP 010888596.1	APATPAAPAAGRSEPGRAGGFGRR	418
NTDB id 1116 NGFG RS10615 WP 003690200.1		347
NTDB id 1086 NMV RS00245 WP 002218487.1		347
NTDB id 1185 GTF74 RS11940 WP 000350195.1		345
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NTDB id 1194 PA0395 NP 249086.1		344
NTDB id 1020 ACIAD RS04210 WP 011182164.1		344
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NTDB id 1040 HON27 RS13360 WP 000355489.1		345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1		345
consensus		

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