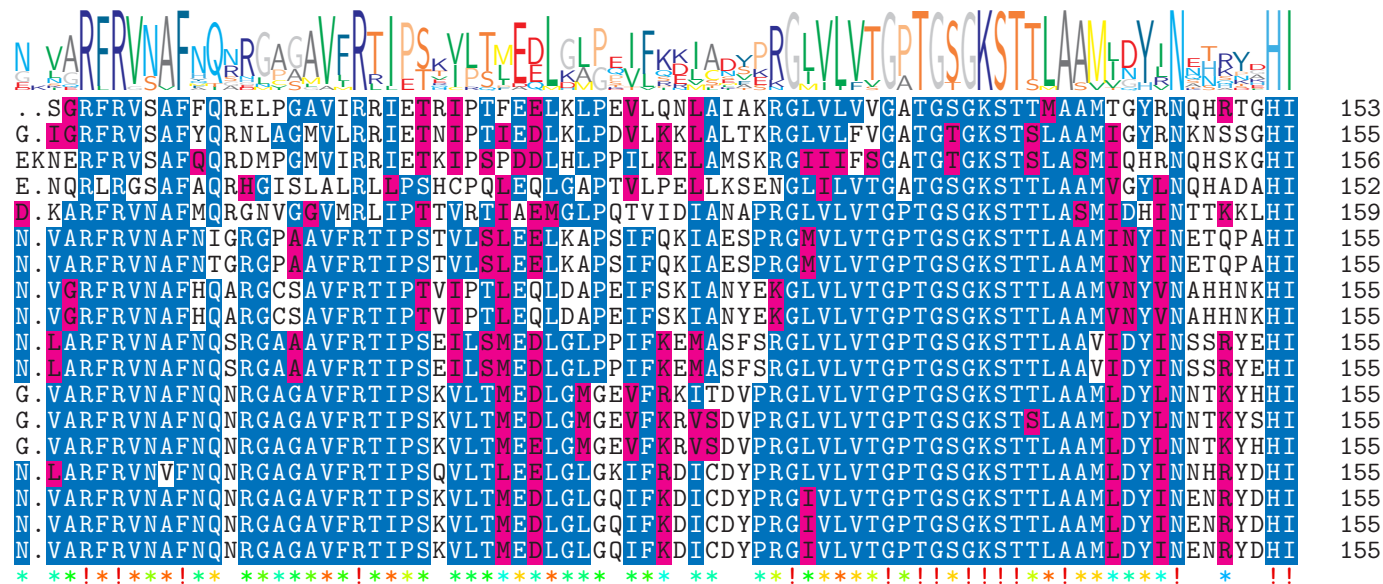


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NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 1448 BW25113 RS15320 WP 001326494.1
NTDB id 1307 DR RS10055 WP 01088596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1116 NFGF 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 GCO85 RS10305 WP 010947729.1
NTDB id 1202 PSJM300 01600 AFN76400.1
NTDB id 37079 H681 RS01795 WP 015475130.1
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	ISIEDPIEFITHQHQC	IVTQREVGIDTDSFEVAL	KNTLRQAPDVILIGEVRTRETMDH	AVAFETGHLCLATLHANNANQ		235
NTDB id 1019 ACIAD RS04205 WP 004922051.1	ITIEDPIEFIEHAGCI	ITQREVGIDTDSFEIAL	KNTLRQAPDVILIGEIRSR	REVMYALAFETGHLVFA	ATLHANNANQ	236
NTDB id 1448 BW25113 RS15320 WP 001326494.1	LTLEDPIEFVLYASQ	RCLIQREITGLHCM	TFASGLRAALREDPDVILLGEL	RDSSETIRLALTA	AETGHLVLA	232
NTDB id 1307 DR RS10055 WP 010888596.1	LTIEDPIEFMHPNKAS	TINQREVGS	DTLSFDDALRAALRQAPDVILV	GEMRDYETIKA	AVTAAETGHLVMGTLHTNS	239
NTDB id 1086 NMV RS00245 WP 002218487.1	LTIEDPIEFVHQSKKSL	INQRELHQHTLSFANAL	RSALREDPDVILVGERDP	PETIGLALTA	AETGHLVFGTLHTTGA	235
NTDB id 1116 NGFG RS10615 WP 003690200.1	LTIEDPIEFVHQSKKSL	INQRELHQHTLSFANAL	SSALREDPDVILVGERDP	PETIGLALTA	AETGHLVFGTLHTTGA	235
NTDB id 1185 GTF74 RS11940 WP 000350195.1	LTIEDPIEFVHSNNK	CLINQREVHRDTHS	FKNALRSALREDPDVILV	GELRDQETISLALTA	AETGHLVFGTLHTSS	235
NTDB id 1176 A1552VC RS01160 WP 000350195.1	LTIEDPIEFVHSNNK	CLINQREVHRDTHS	FKNALRSALREDPDVILV	GELRDQETISLALTA	AETGHLVFGTLHTSS	235
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NTDB id 1259 GC085 RS10305 WP 010947729.1	LTVEDPIEFVHQSKKCL	VNQREVHKDTLSFNA	ALRSALREDPDVILV	GELRDLETIRLAM	TAAETGHLVFGTLHTNS	235
NTDB id 1202 PSJM300 01600 AFN76400.1	LTIEDPIEFVHESKKCL	VNQREVHRDTLGF	SEALRSALREDPDVILV	GEMRDLETIRLALTA	AETGHLVFGTLHTT	235
NTDB id 37079 H681 RS01795 WP 015475130.1	LTVEDPIEFVHESKKCL	VNQREVHRDTLGF	NEALRSALREDPDVILV	GEMRDLETIRLALTA	AETGHLVFGTLHTT	235
NTDB id 1194 PA0395 NP 249086.1	LTIEDPIEFVHESKKCL	VNQREVHRDTLGF	SEALRSALREDPDVILV	GEMRDLETIRLALTA	AETGHLVFGTLHTT	235
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NTDB id 1060 ABD1 RS04380 WP 000355489.1	LTVEDPIEFVHQSKKCL	INQREVHRDTHG	FNEALRSALREDPDVILV	GEMRDLETIRLALTA	AETGHLVFGTLHTT	235
NTDB id 1040 HON27 RS13360 WP 000355489.1	LTVEDPIEFVHQSKKCL	INQREVHRDTHG	FNEALRSALREDPDVILV	GEMRDLETIRLALTA	AETGHLVFGTLHTT	235
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	LTVEDPIEFVHQSKKCL	INQREVHRDTHG	FNEALRSALREDPDVILV	GEMRDLETIRLALTA	AETGHLVFGTLHTT	235
consensus	***!!*!*!*!* *	*****!!*!*!*!*!* *	*!*****!!*!*!*!*!* *	!*****!!*!*!*!*!* *	!*****!!*!*!*!*!* *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	ALERILHLV	PKEREQ	FLDLSLNL	LKGVIAQQLLR	DKNGKGRHGVFEVL	LNSPRIADLIRRGEL	HELKATMARSQEV	GMQ	313																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
NTDB id 1203 PSJM300 01605 AFN76401.1	ALDRIIN	FFPADR	QNVWMDLSLNL	LKAI	VAQQLVPTPDG	GKGRRAVIEVL	INTPLAADLIRKGEV	HELKGLMKRSTDL	GMQ	315																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TLERIIH	FFDADR	HQQIFMDLSLNL	LKAVISQQLI	PTHDGQSRRAAVEVL	INTPL	LSDYIRQGEITYKIKEL	MARS	GEL	GMQ	316																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB id 1448 BW25113 RS15320 WP 001326494.1	AVERLVDS	FPAQEKD	PVRNQLAG	SLRAVLSQKLEVD	.KQEG	RVALFELLINTPA	VGNLIREGKTHQLPHVI	QGTGQV	GM	311																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
NTDB id 1307 DR RS10055 WP 010888596.1	SIDRIVDV	FPEEQEQE	IRVQLANN	LVAMVTQQLLP	RADGQGRV	LAYEILLANPAVR	ALIREGKTFQIT	SV	MQTGA	REGMV	319																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB id 1086 NMV RS00245 WP 002218487.1	TVDRIVDV	FPAGEKE	KEMVRSMLSESL	TAVISQNL	LLKTHDGN	GRVASHEILIANPAVR	NLIRENKITQINS	VL	QGTGQAS	GMQ	315																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB id 1116 NGFG RS10615 WP 003690200.1	TVDRIVDV	FPAGEKE	KEMVRSMLSESL	TAVISQNL	LLKTHDGN	GRVASHEILIANPAVR	NLIRENKITQINS	VL	QGTGQAS	GMQ	315																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TIDRIIDV	FPGSDK	DKMVRSMLSESL	RAVIAQKLLK	R.VGGGRV	ACHEIMLATPAIRN	LIREDKVAQMY	SI	QGTGA	AHGMQ	314																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TIDRIIDV	FPGSDK	DKMVRSMLSESL	RAVIAQKLLK	R.VGGGRV	ACHEIMLATPAIRN	LIREDKVAQMY	SI	QGTGA	AHGMQ	314																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TINRIIDV	FPAEEKS	SMVRSMLSESL	QAVVAQSLLK	K.NKGG	RVAAL	EIMMCTGAIRN	LIREDK	IAQMY	SSI	QGTGQAK	GMQ	314																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB id 1259 GC085 RS10305 WP 010947729.1	TINRIIDV	FPAEEKS	SMVRSMLSESL	QAVVAQSLLK	K.NKGG	RVAAL	EIMMCTGAIRN	LIREDK	IAQMY	SSI	QGTGQAK	GMQ	314																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB id 1202 PSJM300 01600 AFN76400.1	TIDRVVDV	FPAEEKS	SMVRSMLSESL	QAVISQTL	LLK.VGGGR	VAAHEIMIGTPAIRN	LIREDKVAQMY	SSI	QGTG	SL	GMQ	314																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 37079 H681 RS01795 WP 015475130.1	TIDRVVDV	FPAEEKS	SMVRSMLSESL	QAVISQTL	LLK.VGGGR	VAAHEIMIGTPAIRN	LIREDKVAQMY	SSI	QGTG	AI	GMQ	314																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 1194 PA0395 NP 249086.1	TIDRVVDV	FPAEEKAM	SMVRSMLSESL	QSVISQTL	IKK.VGGGR	VAAHEIMIGTPAIRN	LIREDKVAQMY	SSI	QGTG	SL	GMQ	314																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TIDRIIDV	FPAEEKDM	VRTMLSESL	QAVISQTL	LLK.VGGGR	VAAHEIMIGTPAIRN	LIREDKVAQMY	SSI	QGTG	ATH	GMT	314																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TIDRVVDV	FPAEEKDM	VRAAMLSESL	QAVISQTL	LLK.VGGGR	VAAHEIMIGTPAIRN	LIREDKVAQMY	SSI	QGTG	ANH	GMT	314																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TIDRVVDV	FPAEEKDM	VRAAMLSESL	QAVISQTL	LLK.VGGGR	VAAHEIMIGTPAIRN	LIREDKVAQMY	SSI	QGTG	ANH	GMT	314																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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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 1448 BW25113 RS15320 WP 001326494.1	TFQQSYQHRVGEGRLL.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAIDPKEFARLANDASAGLGG....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA	394
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGGLIAPEVARRRAQNSESMF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGGLIAPEAARRRAQNSESMF.....	347
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NTDB id 1176 A1552VC RS01160 WP 000350195.1	TMEQNAKQLIARGVVDQEVQSKIELDLKAF.....	345
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NTDB id 1259 GC085 RS10305 WP 010947729.1	TLDQHLTELVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	TLDSCCLKGLLAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 37079 H681 RS01795 WP 015475130.1	TLDMCLKGLVAKGLVTRDAAKEKAKIP.ENF.....	344
NTDB id 1194 PA0395 NP 249086.1	TLDMCLKGLVAKGLISRAREKAKIP.ENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKQLLAKGIIINLPTARAVAKSP.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
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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 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
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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