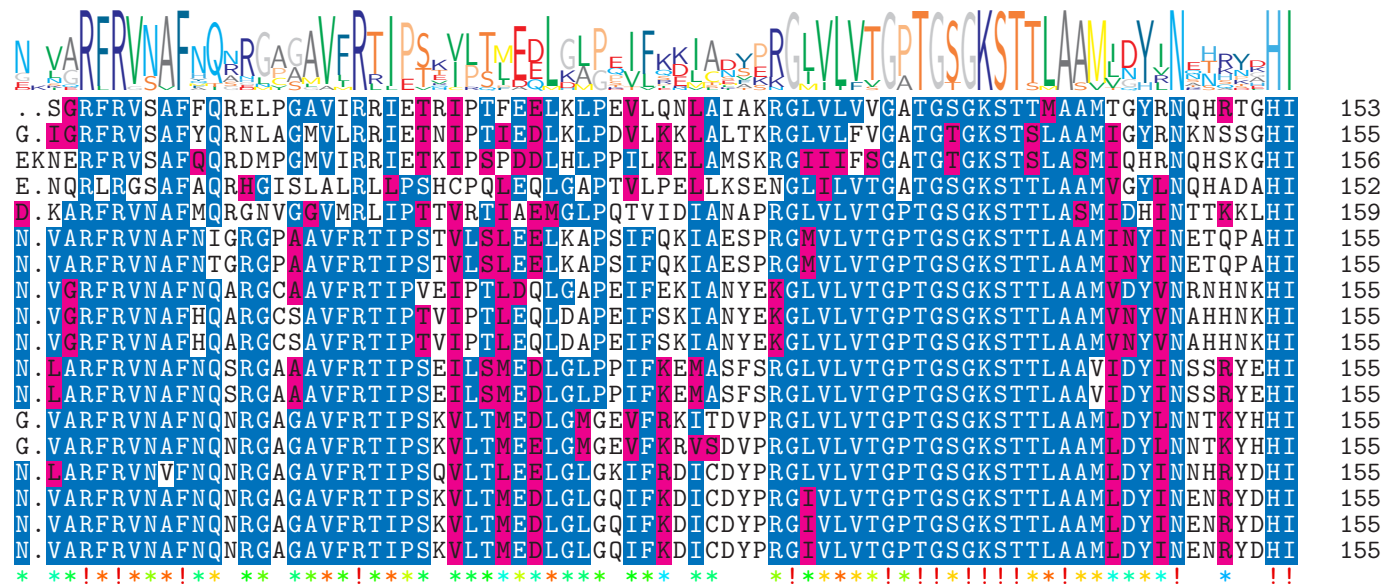


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NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 1448 BW25113 RS15320 WP 001326494.1
NTDB id 1307 DR RS10055 WP 01088596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 56591 OCW38 RS02260 WP 010435660.1
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 GQ085 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 1177 A1552VC RS01165 WP 000422572.1	LTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSR	ETMEYAMTFAETGHL	CMATLHANNANQ	233				
NTDB id 1203 PSJM300 01605 AFN76401.1	ISIEDPIEFITHQHQCIVTQREVGLDTSFEVALKNTLRQAPDVILIGEVRTRET	MDHAVAFAETGHL	CLATLHANNANQ	235				
NTDB id 1019 ACIAD RS04205 WP 004922051.1	ITIEDPIEFIEHAGCIITQREVGLDTSFEIALKNTLRQAPDVILIGEIRSR	EVMDYALAF	AEETGHLVFA	ATLHANNANQ	236			
NTDB id 1448 BW25113 RS15320 WP 001326494.1	LTLEDPEVEYLYASQRCLIQREITGLHCMTFASGLRAALREDPDVIL	GELRDS	ETIRLALTA	AETGHLVLA	TLHTRGAAQ	232		
NTDB id 1307 DR RS10055 WP 010888596.1	LTIEDPIEFMHPNKASITINQREVGSDTLSFDDALRAALRQAPDVIL	VGMERDYE	ETIKAAVTA	AETGHLV	MGTLHTNS	SAPE	239	
NTDB id 1086 NMV RS00245 WP 002218487.1	LTIEDPIEFVHQSKKS	SLINQRELHQHTLSFANALRSALREDPDVILVGM	MRDPETIGLALTA	AETGHLVFG	TLHTTGA	AK	235	
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NTDB id 1283 ACE17W RS02630 WP 010947729.1	LTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAAALRSALREDPDII	LVGELRDLETIRL	AMTA	AETGHLVFG	TLHTNSA	TK	235	
NTDB id 1259 GC085 RS10305 WP 010947729.1	LTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAAALRSALREDPDII	LVGELRDLETIRL	AMTA	AETGHLVFG	TLHTNSA	TK	235	
NTDB id 1202 PSJM300 01600 AFN76400.1	LTIEDPIEFVHESKKCLVNQREVHRDTHGFSEALRSALREDPDII	LVGM	MRDLETIRL	ALTA	AETGHLVFG	TLHTTSA	AK	235
NTDB id 1194 PA0395 NP 249086.1	LTIEDPIEFVHESKKCLVNQREVHRDTHGFSEALRSALREDPDII	LVGM	MRDLETIRL	ALTA	AETGHLVFG	TLHTTSA	AK	235
NTDB id 1020 ACIAD RS04210 WP 011182164.1	LTVEDPIEFVHEPKKCLINQREVHRDTHGFNEALRSALREDPDII	LVGM	MRDLETIRL	ALTA	AETGHLVFG	TLHTTSA	AK	235
NTDB id 1060 ABD1 RS04380 WP 000355489.1	LTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDII	LVGM	MRDLETIRL	ALTA	AETGHLVFG	TLHTTSA	AK	235
NTDB id 1040 HON27 RS13360 WP 000355489.1	LTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDII	LVGM	MRDLETIRL	ALTA	AETGHLVFG	TLHTTSA	AK	235
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	LTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDII	LVGM	MRDLETIRL	ALTA	AETGHLVFG	TLHTTSA	AK	235
consensus	***!!!!*!***	*****!!!!*!***	**	*!*****!				

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	ALERILHLV	PKEREQFL	LDLSLNLKGVIA	QQLLR	DKNGKGRHG	VFEVL	LNSPRIAD	LIRRGEL	HELKAT	MARSQEVGMQ	313
NTDB id 1203 PSJM300 01605 AFN76401.1	ALDRIINFFPAD	RQNVWMD	LSLNLKAIVA	QQLVPTPD	GKGRRAVIE	VLINTPLA	ADLIRKGE	VHELKGL	MKRSTDL	GMQ	315
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TLERIIHFFDADR	HQQIFMD	LSLNLKAVIS	QQLIPTHD	GQSRRAAVE	VLINTPL	LSDYIR	QGEITY	KIKELMARS	GELGMQ	316
NTDB id 1448 BW25113 RS15320 WP 001326494.1	AVERLVDSFPA	QEKDPVRN	QLAGSLRAV	LSQKLEVD	KQEG	RVALFELL	INTPAV	GNLIREG	KTHQLPH	VITQTGGQVGM	311
NTDB id 1307 DR RS10055 WP 010888596.1	SIDRIVDVFP	EEQEQIRV	QLANNLVAVMT	QQLLP	RADGQGRV	LAYEILLAN	PAVRALIREG	KTFOIT	SVMQTGA	REGMV	319
NTDB id 1086 NMV RS00245 WP 002218487.1	TVDRIVDVFPAGE	KEKEMVRS	MLES	SLTAVISQ	NLLKTHD	GNRVASHEILIAN	PAVRNLIREN	KITQINS	VLQ	TGQASGMQ	315
NTDB id 1116 NGFG RS10615 WP 003690200.1	TVDRIVDVFPAGE	KEKEMVRS	MLES	SLTAVISQ	NLLKTHD	GNRVASHEILIAN	PAVRNLIREN	KITQINS	VLQ	TGQASGMQ	315
NTDB id 56591 OCW38 RS02260 WP 010435660.1	TIDRIIDVFP	PGSDKDMVRS	MLES	SLRAVIAQ	KLLKR	VGGGRVACHEIM	MATPAIRN	LIREDKVA	QMYSSIIQTGA	AHGMQ	314
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TIDRIIDVFP	PGSDKDMVRS	MLES	SLRAVIAQ	KLLKR	VGGGRVACHEIM	LATPAIRN	LIREDKVA	QMYSSIIQTGA	AHGMQ	314
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NTDB id 1194 PA0395 NP 249086.1	TIDRVVDFVPA	EEKSMVRS	MLES	SLQAVISQ	TLLKK	VGGGRVAAHEIM	IGTPAIRN	LIREDKVA	QMYSSAIQTGGS	SLGMQ	314
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consensus	***!*****	*****!***!	*****!	!***	***!*****!*****	***!*****	*****	*****	*****	!***	314

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVVDKISEQDALHSADSandLRLMLKTKRGDDY...GSGSLQNVKI.....DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.QGLTL.....EMSDDDPGRSFR.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TFDQALFDLYDHQHSYADALKHADSPNNLRLQIKLSEEANKPLDNRERMSEMER.....KMTFDGQRRNLK.....	383
NTDB id 1448 BW25113 RS15320 WP 001326494.1	TFQQSYQHRVGEGRLL.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAIDPKEFARLANDASAGL...GGASMTPAAPPVPAYNSASSSSSTGRGGDFGRGAAA	395
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGLIAPEVARRRAQNSESMSF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGLIAPEAAARRRAQNSESMSF.....	347
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NTDB id 1194 PA0395 NP 249086.1	TLDMLKGLVAKGLISRENAREKAKIPENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKQLIAKGLIINLPTARAVAKSPESF.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQPESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQPESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLVSRGVISPQTARTAAKQPESFL.....	345
consensus	!*** * ** ***** * *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	PATPAAPAAGRSEPGRAGGFGR	368
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NTDB id 1448 BW25113 RS15320 WP 001326494.1		326
NTDB id 1307 DR RS10055 WP 010888596.1	PATPAAPAAGRSEPGRAGGFGR	418
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NTDB id 1116 NGFG RS10615 WP 003690200.1		347
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NTDB id 1185 GTF74 RS11940 WP 000350195.1		345
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NTDB id 1283 ACE17W RS02630 WP 010947729.1		344
NTDB id 1259 GC085 RS10305 WP 010947729.1		344
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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