

logo

NTDB id 1436 BW25113 RS00530 WP 001025145.1	MNIPQLTALCLRYHGVLLDASEEVVHVAVVDAPSHELLDALHFATTKRIEITCWTRQQMEGHASRTQQTLPVAVQEKHQP	80
NTDB id 1177 A1552VC RS01165 WP 000422572.1	.....	0
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	0
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	0
NTDB id 103254 AL497 RS06500 WP 015369731.1	.....	0
NTDB id 1448 BW25113 RS15320 WP 001326494.1	.....	0
NTDB id 1307 DR RS10055 WP 010888596.1	MT	2
NTDB id 1086 NMV RS00245 WP 002218487.1	.....	0
NTDB id 1116 NGFG RS10615 WP 003690200.1	.....	0
NTDB id 1185 GTF74 RS11940 WP 000350195.1	.....	0
NTDB id 1176 A1552VC RS01160 WP 000350195.1	.....	0
NTDB id 1283 ACE17W RS02630 WP 010947729.1	.....	0
NTDB id 1259 GC085 RS10305 WP 010947729.1	.....	0
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	0
NTDB id 1194 PA0395 NP 249086.1	.....	0
NTDB id 1020 ACIAD RS04210 WP 011182164.1	.....	0
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.....	0
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.....	0
NTDB id 1040 HON27 RS13360 WP 000355489.1	.....	0
consensus		

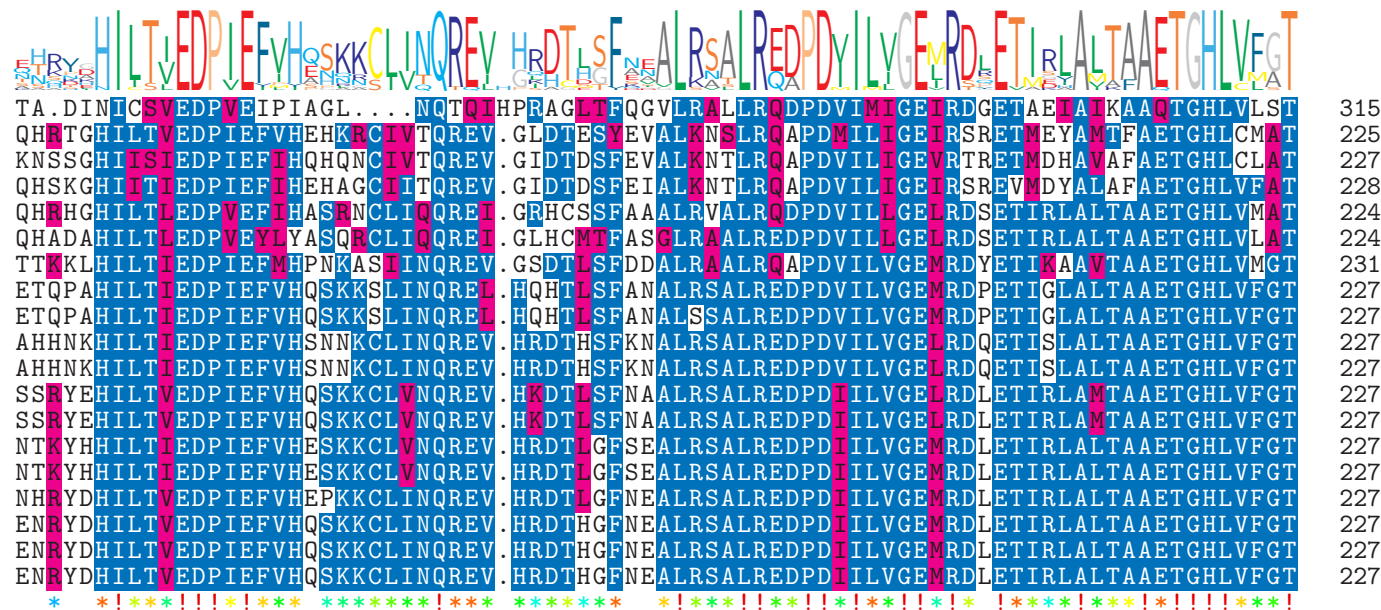
logo

NTDB id 1436 BW25113 RS00530 WP 001025145.1	KAEELTRTLQSALEQRASDIHIEPADNAYRIRLRIDGVLHPLPDVSPDAGVALTARLKVLGNDIAEHRLPQDGGFTVEL	160
NTDB id 1177 A1552VC RS01165 WP 000422572.1	..MEINQYLDGMLTHKASDLYITVG...APILYRVDGELRAQGEAL.SVADV TALLHAMDDARQAEFKQTREANFAVVR	74
NTDB id 1203 PSJM300 01605 AFN76401.1	..MEFEKLLRLMVEKGGSDLFITAG...VPPSMKVNGKILPVNKTPTSPEMTRET VHGVMNEQQRREFTENHECNFAISA	75
NTDB id 1019 ACIAD RS04205 WP 004922051.1	..MDFNDLLNLMAKHKASDLFITAG...VEPSLKINGEITPVSKTKLDGDMIAQLIDSITTQKQRQEFIE THECNFAILN	75
NTDB id 103254 AL497 RS06500 WP 015369731.1	..MELEEIVALS VKHNVSDDLHLCSA...YPPRWRRRLGKLE...PAPFTSPDVEEILTRWLN DPQLAQWRADGQVDFALAL	72
NTDB id 1448 BW25113 RS15320 WP 001326494.1	..MNMEEIVALS VKHNVSDDLHLCSA...WPARWRIRGRME...AAPFDTPDVEELLREWLDDDQRAILL ENGQLDFAVSL	72
NTDB id 1307 DR RS10055 WP 010888596.1	SGIDITDILRLAADKGASDIIL AAG...LPPQFKLSGDYDAQGFEPISASDTRKLMYSMMNERQQRI FEEKRELDFSFAL	79
NTDB id 1086 NMV RS00245 WP 002218487.1	..MQITDLLAFGAKNKASDLHLSSG...ISPMIRVHGD MRRINLPEMSAAEEVGNMVTSMVNDHQ RKIYQQNLEVD FSFEL	75
NTDB id 1116 NGFG RS10615 WP 003690200.1	..MQITDLLAFGAKNKASDLHLSSG...ISPMIRVHGD MRRINLPEMSAAEEVGNMVTSMVNDHQ RKIYQQNLEVD FSFEL	75
NTDB id 1185 GTF74 RS11940 WP 000350195.1	..MDIAELLEFSVKHNASDLHL SAG...VPPMVRIDGEVRKLGVP AFTHSDVHRLIFEIMNDAQRSEYEEKLEVD FSFEL	75
NTDB id 1176 A1552VC RS01160 WP 000350195.1	..MDIAELLEFSVKHNASDLHL SAG...VPPMVRIDGEVRKLGVP AFTHSDVHRLIFEIMNDAQRSEYEEKLEVD FSFEL	75
NTDB id 1283 ACE17W RS02630 WP 010947729.1	..MDIAELLAFSVKNKSSDLHISAG...MPPMIRVDGDLRKINLP LEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFEI	75
NTDB id 1259 GC085 RS10305 WP 010947729.1	..MDIAELLAFSVKNKSSDLHISAG...MPPMIRVDGDLRKINLP LEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFEI	75
NTDB id 1202 PSJM300 01600 AFN76400.1	..MDITELLAFSAKQGASDLHLSSG...LPPMIRVDGD VRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSFEV	75
NTDB id 1194 PA0395 NP 249086.1	..MDITELLAFSAKQGASDLHL SAG...LPPMIRVDGD VRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSFEV	75
NTDB id 1020 ACIAD RS04210 WP 011182164.1	..MDITELLAFSVQNRASDLHL SAG...IPPMIRVDGEVRRINLPAMDHS EVHNL IYDIMNDKQR RDYEEKLETDFSFEV	75
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	..MDITELLAFSVKNKASDLHL SAG...MPPMIRVDGEVRRINLP LEHKDVHRLVYDIMNDKQR RDYEEKLETDFSFEV	75
NTDB id 1060 ABD1 RS04380 WP 000355489.1	..MDITELLAFSVKNKASDLHL SAG...MPPMIRVDGEVRRINLP LEHKDVHRLVYDIMNDKQR RDYEEKLETDFSFEV	75
NTDB id 1040 HON27 RS13360 WP 000355489.1	..MDITELLAFSVKNKASDLHL SAG...MPPMIRVDGEVRRINLP LEHKDVHRLVYDIMNDKQR RDYEEKLETDFSFEV	75
consensus	*****!*****	

```

NTDB id 1436 BW25113 RS00530 WP 001025145.1
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 103254 AL497 RS06500 WP 015369731.1
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 1081 FDQ49 RS05335 WP 006581387.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HON27 RS13360 WP 000355489.1
consensus

```



logo

NTDB id 1436 BW25113 RS00530 WP 001025145.1	LHTNSTCETIIVRIQQ.....MGVARWMLSSALTLVIAQRLVRKLCPHCRRQQGGEPIHIPDNVWPSPLPHWQAPGCVHCY	389
NTDB id 1177 A1552VC RS01165 WP 000422572.1	LHANNANQALERILHLVLPKEQREQFLDLSLNLKGVIQAQQLLRDK.....	270
NTDB id 1203 PSJM300 01605 AFN76401.1	LHANNANQALDRIINFFPADRQNVWMDLSLNLKAIVAQQQLVPTP.....	272
NTDB id 1019 ACIAD RS04205 WP 004922051.1	LHANNANQTLERIIHFFDADRHHQQTIFMDLSLNLKAVISQQLIPTH.....	273
NTDB id 103254 AL497 RS06500 WP 015369731.1	LHTRSAQAQAVERLVDVFPAEEKEPVRSQLAGSLCAVAAQKLLPN.....	268
NTDB id 1448 BW25113 RS15320 WP 001326494.1	LHTRGAAQAQAVERLVDSFPAQEKDPVRNQLAGSLRAVLISQKLEVD.....	268
NTDB id 1307 DR RS10055 WP 010888596.1	LHTNSAPESIDRIVDVFPEEQEQEIRVQLANNLVAVMTQQLLPRA.....	276
NTDB id 1086 NMV RS00245 WP 002218487.1	LHTTGAAKTVDRIVDVFPAQEKEMVRSMLSESLTAVISQNLKTH.....	272
NTDB id 1116 NGFG RS10615 WP 003690200.1	LHTTGAAKTVDRIVDVFPAQEKEMVRSMLSESLTAVISQNLKTH.....	272
NTDB id 1185 GTF74 RS11940 WP 000350195.1	LHTSSAAKTIDRIIDVFPKSDKDMVRSMLSESLRAVIAQKLLKR.....	271
NTDB id 1176 A1552VC RS01160 WP 000350195.1	LHTSSAAKTIDRIIDVFPKSDKDMVRSMLSESLRAVIAQKLLKR.....	271
NTDB id 1283 ACE17W RS02630 WP 010947729.1	LHTNSATKTIINRIIDVFPAAEKSMVRSMLSESLQAVVAQSLLKK.....	271
NTDB id 1259 GC085 RS10305 WP 010947729.1	LHTNSATKTIINRIIDVFPAAEKSMVRSMLSESLQAVVAQSLLKK.....	271
NTDB id 1202 PSJM300 01600 AFN76400.1	LHTTSAAKTIDRVVDVFPAEEKSMVRSMLSESLQAVISQTLKK.....	271
NTDB id 1194 PA0395 NP 249086.1	LHTTSAAKTIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLKK.....	271
NTDB id 1020 ACIAD RS04210 WP 011182164.1	LHTTSAAKTIDRIIDVFPAAEKDMVRTMLSESLQAVISQTLKK.....	271
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	LHTTSAAKTIDRVIDVFPAAEKDMVRAMLSESLQAVISQTLKK.....	271
NTDB id 1060 ABD1 RS04380 WP 000355489.1	LHTTSAAKTIDRVIDVFPAAEKDMVRAMLSESLQAVISQTLKK.....	271
NTDB id 1040 HON27 RS13360 WP 000355489.1	LHTTSAAKTIDRVIDVFPAAEKDMVRAMLSESLQAVISQTLKK.....	271
consensus	! ! * * * * * * * * * * ! * * * * * * * * * * * * * * * ! * * * * ! * * * * * ! * * * * ! * * * *	

logo

NTDB id 1436 BW25113 RS00530 WP 001025145.1	HGFYGRALFVFLPITPVIRQLISANTDVE..SLETHARQAGMRTLFEENGCLAVEQGLTTFEELIRVLGMPHGE.....	461
NTDB id 1177 A1552VC RS01165 WP 000422572.1	.NGKGRHGVFEVLINSPRIADLIRRGELHELKATMARSQEVGMQTFDQALYQLVVDKISEQDALHSADSANDLRLMLKT	349
NTDB id 1203 PSJM300 01605 AFN76401.1	.DGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDLGMQTFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKL	351
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.DGQSRRAAVEVLINTPLISDYIRQGEIYKIKELMARSQELGMQTFDQALFDLYDHQHISYADALKHADSPNNLRLQIKL	352
NTDB id 103254 AL497 RS06500 WP 015369731.1	.ASGGRVALYELLVNTPAVANLIREGKTHQLPGVMQTSQQAGMQTFAQSFQQRALAGEL.....	326
NTDB id 1448 BW25113 RS15320 WP 001326494.1	.KQEGRVALFELLINTPAVGNLIREGKTHQLPHVVIQTGQQVGMITFQQSYQHRVGEGR.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	.DGQGRVLAYEILLANPAVRRLIREGKTFQITSVMTGTAREGMVTMDAYLAGLFRHLLITYDKGLERAIDPKEFARLAND	355
NTDB id 1086 NMV RS00245 WP 002218487.1	.DGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQASGMQTMDDSLQSLVLRQGLIAPEVARRRAQNSESMSF....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	.DGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQASGMQTMDDSLQSLVLRQGLIAPEAARRRAQNSESMSF....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAAHGMQTMENAKQLIARGVVDAQEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAAHGMQTMENAKQLIARGVVDAQEVQSKIELDLKAF.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSIIQTGQAKGMQTLDDHQLTELVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSIIQTGQAKGMQTLDDHQLTELVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	.VGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSIIQTGSLGMQTLDSCLKGLLAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1194 PA0395 NP 249086.1	.IGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSIIQTGSLGMQTLDMCLKGLVAKGLISRENAREKAKIP.ENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	.EGGGRVAAHEIMIGTPAIRNLIREGKVAQMYSIIQTGATHGMTTLDQSLKQLLAKGIINLPTARAVAKSP.ESF.....	344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.NKGGRVAAHEIMIGIPAIRNLIRENKVAQMYSIIQTGANHGMMTLDQSLKGLVSRGVISPQTARTAAKQP.ESFL....	345
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.NKGGRVAAHEIMIGIPAIRNLIRENKVAQMYSIIQTGANHGMMTLDQSLKGLVARGVISPQTARTAAKQP.ESFL....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	.NKGGRVAAHEIMIGIPAIRNLIRENKVAQMYSIIQTGANHGMMTLDQSLKGLVARGVISPQTARTAAKQP.ESFL....	345
consensus	* * * * ! * * * * ! * * * * * * * * * * ! * * * * * * * * * * * * * * * ! * * * ! * * * * * * * * * *	

logo

NTDB id 1436 BW25113 RS00530 WP 001025145.1	.....	461
NTDB id 1177 A1552VC RS01165 WP 000422572.1	KR.GDDY...GSGSLQNVKI.....DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	GS.ETDGEHLTSVS.QGLTL.....EMSDDDPGRSFR.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	SE.EANKPLDNRERMSEMER.....KMTFDGQRRNLK.....	383
NTDB id 103254 AL497 RS06500 WP 015369731.1	.....	326
NTDB id 1448 BW25113 RS15320 WP 001326494.1	.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	ASAGLGG.....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAAPATPAAPAAGRSEPGRAGGFGRR	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 1081 FDQ49 RS05335 WP 006581387.1	.....	345
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	.....	345
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved