

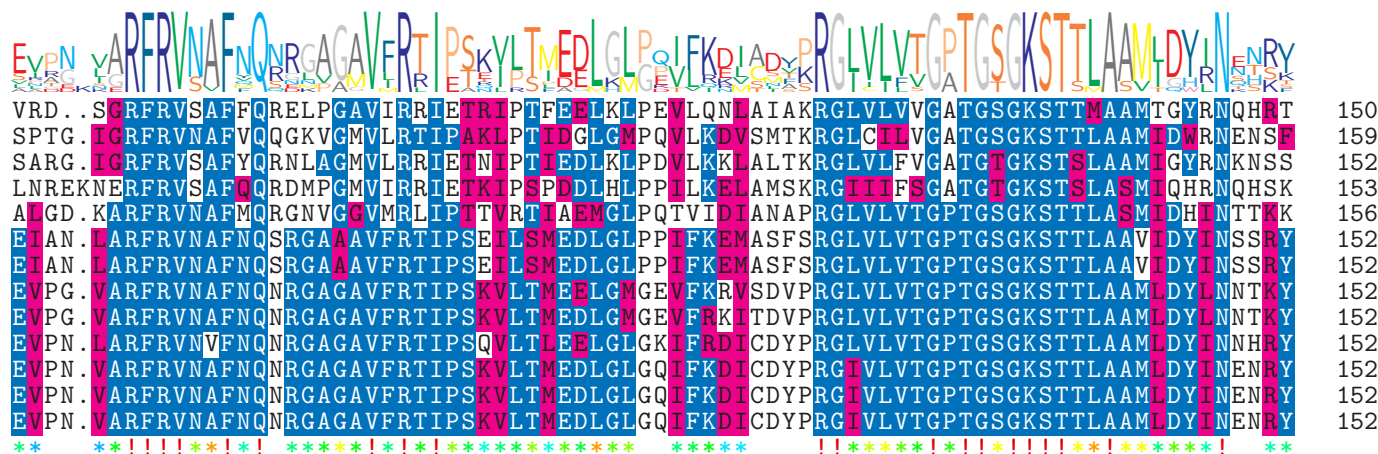
logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1007710 ABL851 RS29150 WP 093206425.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 1307 DR RS10055 WP 01088596.1
NTDB id 1283 ACE17W RS02630 WP 010947729.1
NTDB id 1259 GC085 RS10305 WP 010947729.1
NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1202 PSJM300 01600 AFN76400.1
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 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1007710 ABL851 RS29150 WP 093206425.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 1307 DR RS10055 WP 01088596.1
NTDB id 1283 ACE17W RS02630 WP 010947729.1
NTDB id 1259 GC085 RS10305 WP 010947729.1
NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1202 PSJM300 01600 AFN76400.1
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 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1007710 ABL851 RS29150 WP 093206425.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 1307 DR RS10055 WP 01088596.1
NTDB id 1283 ACE17W RS02630 WP 010947729.1
NTDB id 1259 GC085 RS10305 WP 010947729.1
NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1202 PSJM300 01600 AFN76400.1
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 1177 A1552VC RS01165 WP 000422572.1	ANKTIDRIIDVFPAEEKMVRMLSESQAIVISQTLKKNKGGRVAAHEIMIGTPAIRNLREKVAQMYSSIQTGANH	310
NTDB id 1007710 ABL851 RS29150 WP 093206425.1	ANQALDRIINFFPEERRAQLLMDLSLNLRLSLVSQRLVPTEDGLGRVAAVEVLINTPLISDLIFKGEVGEIKEIMRKSRL	319
NTDB id 1203 PSJM300 01605 AFN76401.1	ANQALDRIINFFPADRQNVWMDLSLNLKAIVAQQVLVPTDGGKRRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDL	312
NTDB id 1019 ACIAD RS04205 WP 004922051.1	ANQTLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLISDYIRQGEITYKIKELMARSSEL	313
NTDB id 1307 DR RS10055 WP 01088596.1	APESIDRIIDVFPEEQQEIRVQLANNLVAVMTQQLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGARE	316
NTDB id 1283 ACE17W RS02630 WP 010947729.1	ATKTIINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLK.KNKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAK	311
NTDB id 1259 GC085 RS10305 WP 010947729.1	ATKTIINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLK.KNKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAK	311
NTDB id 1194 PAKAF RS01995 WP 003084552.1	AAKTIDRVVDVFPAEEKAMVRSMLSESLQAVISQTLIK.KIGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSIAQTGCSL	311
NTDB id 1202 PSJM300 01600 AFN76400.1	AAKTIDRVVDVFPAEEKSMVRSMLSESLQAVISQTLIK.KVGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSSIQTGCSL	311
NTDB id 1020 ACIAD RS04210 WP 011182164.1	AAKTIDRIIDVFPAEEKDMVRTMLSESLQAVISQTLIK.KEGGGRVAAHEIMIGIPAIRNLIREDKVAQMYSSIQTGATH	311
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	AAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLIK.KNKGGRVAAHEIMIGIPAIRNLIREDKVAQMYSIAQTGANH	311
NTDB id 1060 ABD1 RS04380 WP 000355489.1	AAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLIK.KNKGGRVAAHEIMIGIPAIRNLIREDKVAQMYSIAQTGANH	311
NTDB id 1040 HON27 RS13360 WP 000355489.1	AAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLIK.KNKGGRVAAHEIMIGIPAIRNLIREDKVAQMYSIAQTGANH	311
consensus	! ****!***** ** *!***!*****!*** * ****!***!*** *****!** ***** ****	

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	GMQTFDQALYQLVDDKISEQDALHSADSANDLRLMLKTKRGDDYG...SGSLQNVK...IDME.....	368
NTDB id 1007710 ABL851 RS29150 WP 093206425.1	GMQTFDQALFDLFESHISISFEDAIRNADSANDLRLQIKLNSQRARSTDLAAGTEHFA....IV.....	378
NTDB id 1203 PSJM300 01605 AFN76401.1	GMQTFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.QGLT...LEMSDDDPGRSFR.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	GMQTFDQALFDLYDHQHISYADALKHADSNNLRLQIKLSEEANKPLDNRERMSEME...RKMTFDGQRRNLK.....	383
NTDB id 1307 DR RS10055 WP 01088596.1	GMVTMDAYLAGLFRHILITYDKGLERAIDPKEFARLANDASAGLGGASMTPAAPPVPAYNSASSSSSTGRGGDFGRGAAAP	396
NTDB id 1283 ACE17W RS02630 WP 010947729.1	GMQTLDDQHLTELNVNKNIIISKHTAHEAALNKSFL.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	GMQTLDDQHLTELNVNKNIIISKHTAHEAALNKSFL.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	GMQTLDMCKLGLVAKGLISRAREKAKIPENF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	GMQTLDSCLKGLLAKGLISRDSAKEKAKQPENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	GMTTLDQSLKQLLAKGIINLPTARAVAKSPESF.....	344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	GMTTLDQSLKGLVSRGVISPQRTARTAAKQPESFL.....	345
NTDB id 1060 ABD1 RS04380 WP 000355489.1	GMTTLDQSLKGLVARGVISPQRTARTAAKQPESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	GMTTLDQSLKGLVARGVISPQRTARTAAKQPESFL.....	345
consensus	!!*!*!* ! !* *!* * * ! * *	

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	ATPAAPAAGRSEPGRAGGFERR	368
NTDB id 1007710 ABL851 RS29150 WP 093206425.1	.....	378
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 1307 DR RS10055 WP 01088596.1	ATPAAPAAGRSEPGRAGGFERR	418
NTDB id 1283 ACE17W RS02630 WP 010947729.1	.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	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
 $\geq 50\%$ conserved