

NTDB id 1029	TT RS02230 WP 011228203.1	MPVYQYKARDRQGR.L	VEATIEAEDLRTAARL	LRDRGLFVAET	IKPEPKGLQAEVRIPALER	60
NTDB id 1169	A1552VC RS11075 WP 000648511.1	MKATQTLPLKKNYRWKGINSGKK	VSGQMLAISEIEVRDK	LKDQHIQIKK	LKKGVSLSLLAR....LTH	63
NTDB id 1402	DSB67 RS12670 WP 010643257.1	MKTIAAPQLKKNYRWKGINSSGKK	TSGNVLAMTEIEVRERLDAQH	IKKIKK	LKKGSSISFITK....ISH	62
NTDB id 1112	NGFG RS09215 WP 003689811.1	MAKNGGFSLFAKKEKRF	FIEGGRHSASDKLVN	GEVSFAFTEEEARKKLAKRG	IRPLQITRVK....T...SSKR	65
NTDB id 1113	AA85695.1 219..1451()	MAKNGGFSLFAKKEKRF	FIEGGRHSASDKLVN	GEVSFAFTEEEARKKLAKRG	IRPLQITRVK....T...SSKR	65
NTDB id 1198	PSJM300 03950 AFN76868.1	MAQKAIAKNSVFTW	EGLDRQGAK.IKGELSGVSPALVKAQ	LRKQGINPQKVRKKSIS	LFS.....AGK	61
NTDB id 1016	ACIAD RS01680 WP 004920476.1	MAAKKTQVMPVFAYEGVDRKG	IK.LKGELPARNMALAKVTLRKQG	ITIRTIREKRKNIFEG...LLKK		64
NTDB id 1059	ABD1 RS01610 WP 000279215.1	MAVKKAQMPPTFAYEGVDRKG	VK.IKGELPAKNMALAKVTLRKQGV	TVRNIREKRKNILEG...LFKK		64
NTDB id 259727	CXP37 RS16820 WP 017116967.1	MSVARSAIKKQPVDRNTMSLQTFVW	EGADKRGVK.MKGEQAARNANMLRAEL	LRKQGI	VPSMVKKQKPKPLFGA....AGK	74
NTDB id 1252	GC085 RS07730 WP 011213805.1	MDKNSPPLLT	FHYQGINAKGQK.MEGDIQARSLAI	AKADLRKQGI	VTNKKVKKRKLFLDR....KNK	62
consensus		* * * * *	* * * * *	* * * * *	* * * * *	

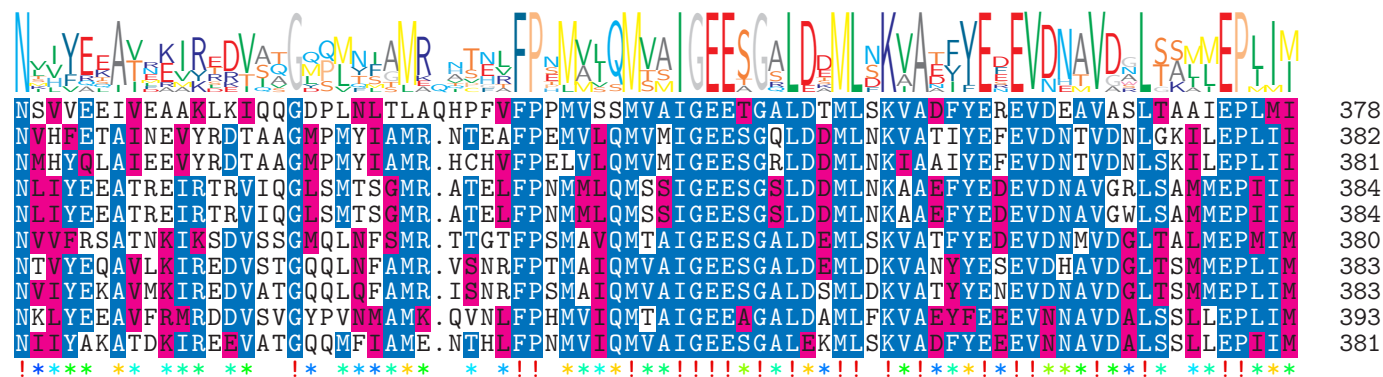
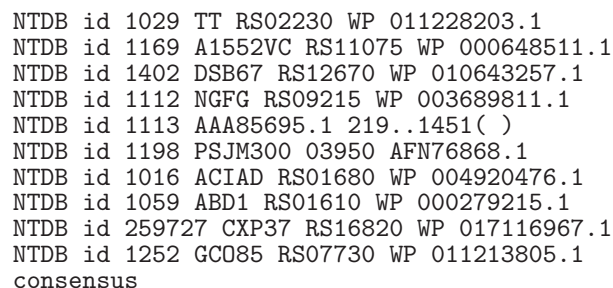
NTDB id	1029	TT RS02230 WP 011228203.1	GPGGLKDLAIFSRQLATMLGAGILTLQALAILERQTENRKFRREILKQVRTDVEGGMAFSEALSCHKH.IFSRLYVNLVRAGE	139
NTDB id	1169	A1552VC RS11075 WP 000648511.1	RVKSKDITILTTRQLATMLTGTVPITVQALKLVGDNHRKAEMKSILAQITKSVEAGTPLSKAMRTASAHFDLTLYVDLVEETGE	143
NTDB id	1402	DSB67 RS12670 WP 010643257.1	RVGKGDIITFTRQIATMLMTGVPIVQALKLVSENHKKAEMKSILMSVTRAWEAGTPMSKAMRTASTHFDPDYTDLIATAGE	142
NTDB id	1112	NGFG RS09215 WP 003689811.1	KITQEIDITVFTRQLSTMIAKAGLPMLQAFAIVARGHGPNPSMTEMLMEIRGQVEEQSSLSRAFSNHPKYFYDRFYCNLVAAGE	145
NTDB id	1113	AAA85695.1 219..1451()	KITQEIDITVFTRQLSTMINACLPLMQAFEIVARHGHPNSMTEMLMEIRGQVEEQSSLSRAFSNHPKYFYDRFYCNLVAAGE	145
NTDB id	1198	PJM300 03950 AFN76868.1	KIKPMDIALFTRQMATTMMKAGVPLLQSFDITIGEGFDNPNNMRKLVDLDLKQEVAAAGNSSLASLRKKPKPYFFDDLGCNLVDSGE	141
NTDB id	1016	ACIAD RS01680 WP 004920476.1	KVKPLDIALIFTTRQLATMMKAGVPLVQAFAIVAEGLENPAMRDVVLLGLKNEVEGGNTTFAGALRKYPQYFDNFLFCSLIESGE	144
NTDB id	1059	ABD1 RS01610 WP 000279215.1	KVTTLDDITFTTRQLATMMKAGVPLVQGFEIVAEGLENPAMREVVLGIKEGEVEGGSTFASALRKYPQHFDNFLFCSLVESGE	144
NTDB id	259727	CXP37 RS16820 WP 017116967.1	KITAKDIAAFSSRMATMMKSGVPIVSSLLEITIEGHKNPRMKKMIGIRTDTIEGSSSLEYESTISKHPVQFDELYRNLRAGE	154
NTDB id	1252	GC085 RS07730 WP 011213805.1	KITQADIITVFSTRQLATMLESGIPLVQAQDIVAKGGSNKRLKDLETIKHDDETGLTLAESLIKHPHYLFNELFCNLVDAGE	142
consensus			*** !*****!****!*!!!!!!*****!*****!*****!*****!*****!*****!	

NTDB id 1029	TT RS02230 WP 011228203.1	TSGGLDLILDRLASFLKELELRGKIRSAMTYPIVIVFAVGVAIFLLTGIVPQFAQLITDGLSELP LLTRFLIAVSDDL	219
NTDB id 1169	A1552VC RS11075 WP 000648511.1	MSGNLPEVFERLATYREKSEQLRAKVIKALIYPMSVV LVALGVSYLMLTMVIPFESMFKGFGAELPWFTQQVLKLSHWV	223
NTDB id 1402	DSB67 RS12670 WP 010643257.1	QSCNLSQVFERLATYREKSEQLRAKVIKALIYPAMVVLVALGVSYLMLTRVIPFEKMF TFGADLPAFTQMVLNLSAWT	222
NTDB id 1112	NGFG RS09215 WP 003689811.1	TGGVLESLLDKLATYKEKTQAIRKKVKLTALTPYSVIAIVAIGLVFMVMIFVLP AFKEVYANMGAELPPLTQTVM DMSDF	225
NTDB id 1113	AAA85695.1 219..1451()	TGGVLESLLDKLATYKEKTQAIRKKVKLTALTPVSVIAIVAIGLVFMVMIFVLP AFKEVYANMGAELPALTTQTVM DMSDF	225
NTDB id 1198	PSJM300 03950 AFN76868.1	QSGSLETLLDRVATYKEKTEALKAKIKKANMPYIADV LVAVIVTAAILLIKVPVP FQDVFA NFGAELPAFTLMVIGLSEAL	221
NTDB id 1016	ACIAD RS01680 WP 004920476.1	QSGSLETMLDRVAVYKEKSEVLKQKIKKAMKYPATVIVVAIVVTIILMVKVVP VFKDLF TSFGADLPAFTQLV VNM SNWM	224
NTDB id 1059	ABD1 RS01610 WP 000279215.1	QSGALETMLDRVAIYKEKSELLKQKIKKAMKYPATVIVVAIVVTIILMVKVVP VFQDLFASFGADLPAFTQM VVN MSKWM	224
NTDB id 259727	CXP37 RS16820 WP 017116967.1	GAGVLETVLETVASYKENIEALKGKIKKAMFPAMVVAVAIIVSA ILLIFVVPVFEEVFKSFGAELPAFTLLLVNASRFM	234
NTDB id 1252	GC085 RS07730 WP 011213805.1	KSGSLLETMLDKVATYKEKIEIKKKIKKALTPTIAMVVALTLTAGLLIYVVPQFESLFKGFGADLPAMTRA VITMSEFM	222
consensus		* ! * * * * * ! * ! * ! * * * * ! * * * * ! * * * * ! * ! * ! * * * * ! * * * * ! * * * * ! * * * *	

```

NTDB id 1029 TT RS02230 WP 011228203.1
NTDB id 1169 A1552VC RS11075 WP 000648511.1
NTDB id 1402 DSB67 RS12670 WP 010643257.1
NTDB id 1112 NGFG RS09215 WP 003689811.1
NTDB id 1113 AAA85695.1 219..1451( )
NTDB id 1198 PSJM300 03950 AFN76868.1
NTDB id 1016 ACIAD RS01680 WP 004920476.1
NTDB id 1059 ABD1 RS01610 WP 000279215.1
NTDB id 259727 CXP37 RS16820 WP 017116967.1
NTDB id 1252 GC085 RS07730 WP 011213805.1
consensus

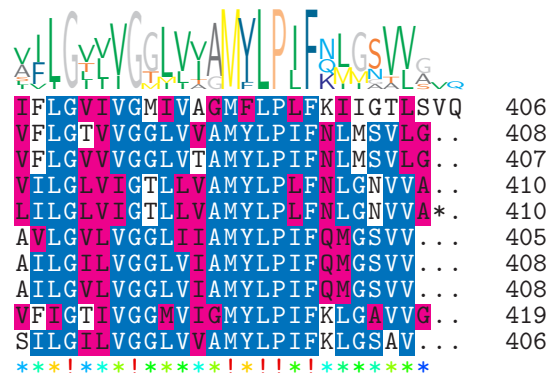
```



```

NTDB id 1029 TT RS02230 WP 011228203.1
NTDB id 1169 A1552VC RS11075 WP 000648511.1
NTDB id 1402 DSB67 RS12670 WP 010643257.1
NTDB id 1112 NGFG RS09215 WP 003689811.1
NTDB id 1113 AAA85695.1 219..1451( )
NTDB id 1198 PSJM300 03950 AFN76868.1
NTDB id 1016 ACIAD RS01680 WP 004920476.1
NTDB id 1059 ABD1 RS01610 WP 000279215.1
NTDB id 259727 CXP37 RS16820 WP 017116967.1
NTDB id 1252 GC085 RS07730 WP 011213805.1
consensus

```



- X non conserved
- X similar
- X > 50% conserved