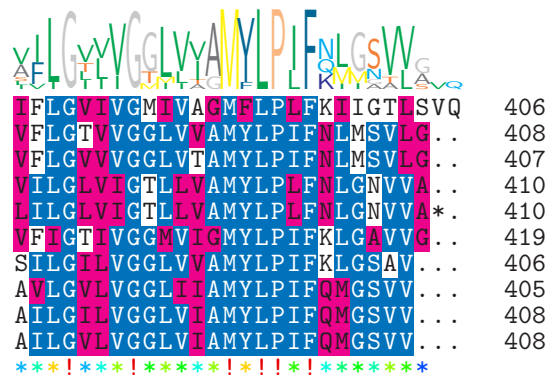
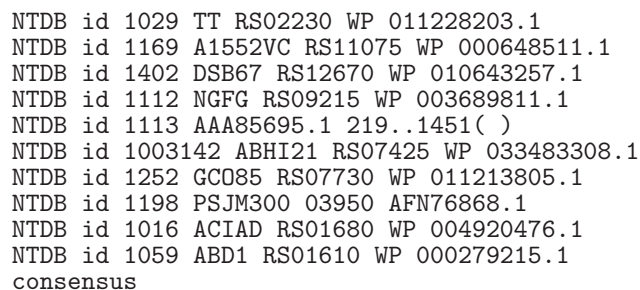
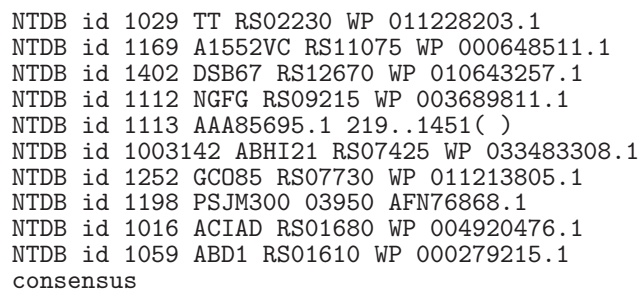


NTDB id 1029	TT RS02230 WP 011228203.1	MPVYQYKARDRQGR.L	VEATIEAEDLRTAARLLRDRGLFVAETKEPGKGLQAEVRIPALER	60
NTDB id 1169	A1552VC RS11075 WP 000648511.1	MKATQTLPLKNYRWKGINSGKK	VSGQMLAISEIEVRDKLKDQHIQIKKLKKGVSLLAR....LTH	63
NTDB id 1402	DSB67 RS12670 WP 010643257.1	MKTIIAPQLKNYRWKGINSSGKK	TSGNVLAMTEIEVRERLDAQHIKIKKLKKGISIFITK....ISH	62
NTDB id 1112	NGFG RS09215 WP 003689811.1	MAKNGGFSLFAKKEKRFIFEGRHSASDKL	VNGEVSATFEEEAARKKLAKRGIRPLQITRV....KT....SSKR	65
NTDB id 1113	AA85695.1 219..1451()	MAKNGGFSLFAKKEKRFIFEGRHSASDKL	VNGEVSATFEEEAARKKLAKRGIRPLQITRV....KT....SSKR	65
NTDB id 1003142	ABHI21 RS07425 WP 033483308.1	MSVARNVIKKQPADRSNSQMPPFVWEGTDKRGIK	MKGEQAARNVNMLRAELRRQGITPTVVKPKPKPLFGA....AGK	74
NTDB id 1252	GC085 RS07730 WP 011213805.1	MDKNSPPLLTFFHYQGINKAGQK	MEGDIQARSLAIKADLRKQGIVTNKVVKKRKPLFDR....KNK	62
NTDB id 1198	PSJM300 03950 AFN76868.1	MAQKAIAKNSVFTWEGLDLRQGAK	IKGELSGVSPALVKAQLRKQGINPQKVRKKSISLFS....AGK	61
NTDB id 1016	ACIAD RS01680 WP 004920476.1	MAAKKTQVMPVFAYEGVDRKGIK	LKGELPARNMALAKVTLRKQGITTREKRKNIFEG...LLKK	64
NTDB id 1059	ABD1 RS01610 WP 000279215.1	MAVKKARQMPTFAYEGVDRKGVK	IKGELPAKNMALAKVTLRKQGVTVRNIREKRKNILEG...LFFK	64
consensus		* * * * *	! * * * * *	

NTDB	id	1029	TT	RS02230	WP	011228203.1	GPGLK	D	I	A	F	S	R	Q	L	A	T	M	L	G	A	G	L	T	L	L	Q	A	L	A	I	L	E	R	Q	T	E	N	R	K	F	R	E	I	L	K	Q	V	R	T	D	V	E	G	G	M	A	F	S	E	A	L	S	K	H	K	.	I	F	S	R	L	Y	V	N	L	V	R	A	G	E	139					
NTDB	id	1169	A1552VC	RS11075	WP	000648511.1	R	V	K	S	K	D	I	T	I	L	T	R	Q	L	A	T	M	L	T	T	G	V	P	I	V	Q	A	L	K	L	V	G	D	N	H	R	K	A	E	M	K	S	I	L	A	Q	I	T	K	S	V	E	A	G	T	P	L	S	K	A	M	R	T	A	S	A	H	F	D	T	L	Y	V	D	L	V	E	T	G	E	143
NTDB	id	1402	DSB67	RS12670	WP	010643257.1	R	V	K	G	K	D	I	T	I	F	T	R	Q	I	A	T	M	L	M	T	G	V	P	I	V	Q	A	L	K	L	V	S	E	N	H	K	K	A	E	M	K	S	I	L	M	S	V	T	R	A	V	E	A	G	T	P	M	S	K	A	M	R	T	A	S	T	H	F	D	P	L	Y	T	D	L	I	A	T	G	E	142
NTDB	id	1112	NGFG	RS09215	WP	003689811.1	K	I	T	Q	E	D	I	T	V	F	T	R	Q	L	S	T	M	I	K	A	G	L	P	L	M	Q	A	F	E	I	V	A	R	G	H	G	N	P	S	M	T	E	M	L	M	E	I	R	G	Q	V	E	Q	G	S	S	L	R	A	F	S	N	H	P	K	Y	F	D	R	F	Y	C	N	L	V	A	A	G	E	145	
NTDB	id	1113	AAA85695.1	219..1451()			K	I	T	Q	E	D	I	T	V	F	T	R	Q	L	S	T	M	I	K	A	G	L	P	L	M	Q	A	F	E	I	V	A	R	G	H	G	N	P	S	M	T	E	M	L	M	E	I	R	G	Q	V	E	Q	G	S	S	L	R	A	F	S	N	H	P	K	Y	F	D	R	F	Y	C	N	L	V	A	A	G	E	145	
NTDB	id	1003142	ABHI21	RS07425	WP	033483308.1	K	V	G	P	K	D	I	A	F	S	R	Q	L	A	T	M	L	K	S	G	V	P	I	V	G	S	L	E	I	I	G	E	G	H	K	N	P	R	M	R	K	M	V	G	I	R	T	D	I	E	G	S	S	L	H	E	A	I	S	K	H	P	V	Q	F	D	E	L	Y	R	N	L	V	A	A	G	E	154			
NTDB	id	1252	GC085	RS07730	WP	011213805.1	K	I	T	Q	A	D	I	T	V	F	S	R	Q	L	A	T	M	L	E	S	G	I	P	L	V	Q	A	F	D	I	V	A	K	Q	S	N	K	R	L	K	D	L	I	E	T	I	K	H	D	I	E	T	G	L	T	L	A	E	S	L	I	K	H	P	L	Y	F	N	E	L	F	C	N	L	V	D	A	G	E	142	
NTDB	id	1198	PSJM300	03950	AFN	76868.1	K	I	K	P	M	D	I	A	L	F	T	R	Q	L																																																																			

NTDB id 1029	TT RS02230 WP 011228203.1	TSGGLDLILDRLASFLKELELRGKIRSAMTYPVIVFVFAVGVAIFLLTGIVPQFAQILTDLGSELPLLTRFLIAVSDDL	219
NTDB id 1169	A1552VC RS11075 WP 000648511.1	MSGNLPEVFERLATYREKSEQLRAKVIKALIYPSMVVLVALGVSYLMLTMVIPFEFSMFKGFGAELPWFTQQVKLSHWV	223
NTDB id 1402	DSB67 RS12670 WP 010643257.1	QSGNLSQVFERLATYREKSEQLRAKVIKALIYPAMVVVLVALGVSYLMLTRVIPLEFEKMFTGFGADLPFAFTQMVLNLSAWT	222
NTDB id 1112	NGFG RS09215 WP 003689811.1	TGGVLESLLDKLAITYKEKTQAIRKKVKLTALTYPVSVIAVAIGLVFMVMIFVLPAFKEVYANMGAELPPLTQTVMDSDF	225
NTDB id 1113	AAA85695.1 219..1451()	TGGVLESLLDKLAITYKEKTQAIRKKVKLTALTYPVSVIAVAIGLVFMVMIFVLPAFKEVYANMGAELPALTTQVTMDMSDF	225
NTDB id 1003142	ABHI21 RS07425 WP 033483308.1	GAGVLETVDLTANYKENIEALKKKIKKALLFPYPMVVAIVALIVSAILLIFVVPQFEVEFKGFGAELPAFTQMIVAASRFM	234
NTDB id 1252	GCO85 RS07730 WP 011213805.1	KSGSLDIMLDKVATYKEKTEIIRKKIKKALTYPITAVMVVALLVTAGLLIYVVPQFESLFKGFGADLPAMTRAIVITMSEFM	222
NTDB id 1198	PSJM300 03950 AFN76868.1	QSGSLETLLDRVATYKEKTEALKAKIKKAMNYPIAVVVLVAVIVTAILLIKVVPQFQDVFANFGAELPAFTLMVIGLSEAL	221
NTDB id 1016	ACIAD RS01680 WP 004920476.1	QSGSLEIMLDRVAVYKEKSEVLKQKIKKAMKYPATVIVVAIVVTIILMVKVPVVFKDLFTSFGADLPFAFTQLVNNMSNW	224
NTDB id 1059	ABD1 RS01610 WP 000279215.1	QSGALETMLDRVAITYKEKSELLKKQKIKKAMKYPATVIVVAIVVTIILMVKVPVVFQDLFASFAGDALPAFTQMNVNSMKWM	224
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 1003142 ABHI21 RS07425 WP 033483308.1
NTDB id 1252 GC085 RS07730 WP 011213805.1
NTDB id 1198 PSJM300 03950 AFN76868.1
NTDB id 1016 ACIAD RS01680 WP 004920476.1
NTDB id 1059 ABD1 RS01610 WP 000279215.1
consensus
```



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