

logo

NTDB id 1029	TT RS02230 WP 011228203.1	MPVYQYKARDRQGR.L	VEATIEAEDLRATAARLRDRGLFVAETKEPGKGLQAEVRIPALERGPGLK	65
NTDB id 1169	A1552VC RS11075 WP 000648511.1	MKAT.....QTLPLKKNYRWKGINSNQKK	VSGQMLAISEIEVRDKLKDQHIQIKKLKKGVSLLAR.....LTHRVKSK	68
NTDB id 1402	DSB67 RS12670 WP 010643257.1	.MKT.....IAPQLKKNYRWKGINSSGKK	TSGNVLAMTEIEVRRERLDAQHIKIKKLKKGSIKFITK.....ISHRVKGK	67
NTDB id 1113	AAA85695.1 219..1451()	.MAKNGGFSFLAKKEKRFIFEGRHSASDKLVN	GEVSAFTEEEARKKLAKRGIRPLQITRVK.....T....SSKRKITQE	70
NTDB id 1112	NGCF RS09215 WP 003689811.1	.MAKNGGFSFLAKKEKRFIFEGRHSASDKLVN	GEVSAFTEEEARKKLAKRGIRPLQITRVK.....T....SSKRKITQE	70
NTDB id 1252	GC085 RS07730 WP 011213805.1	.MDK.....NSPPLDITFHYQCINKAGQK	MEGDIQARSLATAKADLRKQGIVTNKVVKKRKPLFDR.....KNKKITQA	67
NTDB id 1016	ACIAD RS01680 WP 004920476.1	MAAK.....KTQVMPVFAYEGVDRKGIK	LKGELPARNMALAKVTLRKQGITIRTIREKRKNIFEG....LLKKKVKPL	69
NTDB id 1059	ABD1 RS01610 WP 000279215.1	MAVK.....KAQMMPTFAYEGVDRKGIVK	IKGELPAKNMALAKVTLRKQGVTVRNIREKRKNILEG....LFKKKVTTL	69
NTDB id 166929	APT60 RS23835 WP 003112840.1	.MAD.....KALKTSVFIWEGTDKKGAK	VKGELTGQNPMPLVKAHLRKQGINPLKVRKKGISLLG.....AGKKVKPM	66
NTDB id 1198	PSJM300 03950 AFN76868.1	.MAQ.....KAIKNSVFTWGLDRQGA	IKGELSCVSPALVKAQLRKQGINPQKVRKKSISLFS.....AGKKIKPM	66
consensus		***	* * * * * ! * * * * *	***

logo

NTDB	id	1029	TT	RS02230	WP	011228203.1	D	L	A	I	F	S	R	Q	L	A	T	M	L	G	A	G	L	T	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	T	S	G	G	L	144	
NTDB	id	1169	A1552VC	RS11075	WP	000648511.1	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	M	S	G	N	L	148
NTDB	id	1402	DSB67	RS12670	WP	010643257.1	D	I	T	I	F	T	R	Q	L	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	Q	S	G	N	L	147
NTDB	id	1113	AAA85695.1	219..1451(			D	I	T	V	F	T	R	Q	L	S	T	M	I	N	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	S	R	A	F	S	N	H	P	K	Y	F	D	R	F	Y	C	N	L	V	A	A	G	E	T	G	G	V	L	150
NTDB	id	1112	NGFG	RS09215	WP	003689811.1	D	I	T	V	F	R	Q	L	S	T	M	I	N	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	S	R	A	F	S	N	H	P	K	Y	F	D	R	F	Y	C	N	L	V	A	A	G	E	T	G	G	V	L	150	
NTDB	id	1252	G0C85	RS07730	WP	011213805.1	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	N	E	L	F	C	N	L	V	D	A	G	E	K	S	G	S	L	147		
NTDB	id	1016	ACIAD	RS01680	WP	004920476.1	D	I	A	I	F	T	R	Q	L	A	T	M	M	K	A	G	V	P	L	V	Q	A	F	E	I	V	A	E	G	L	E	N	P	A	M	R	D	V	V	L	G	L	K	N	E	V	E	G	G	N	T	F	A	G	A	L	R	K	Y	P	Q	Y	F	D	N	L	F	C	S	L	I	E	S	G	E	Q	S	G	S	L	149
NTDB	id	1059	ABD1	RS01610	WP	000279215.1	D	I	T	I	F	T	R	Q	L	A	T	M	M	K	A	G	V	P	L	V	Q	G	F	E	I	V	A	E	G	L	E	N	P	A	M	R	E	V	V	L	G	I	K	G	E	V	E	G	G	S	T	F	A	S	A	L	R	K	Y	P	Q	H	F	D	N	L	F	C	S	L	V	E	S	G	E	Q	S	G	A	L	149
NTDB	id	166929	APT60	RS23835	WP	003112840.1	D	I	A	L	F	T	R	Q	M	A	T	M	M	G	A	G	V	P	L	L																																																													

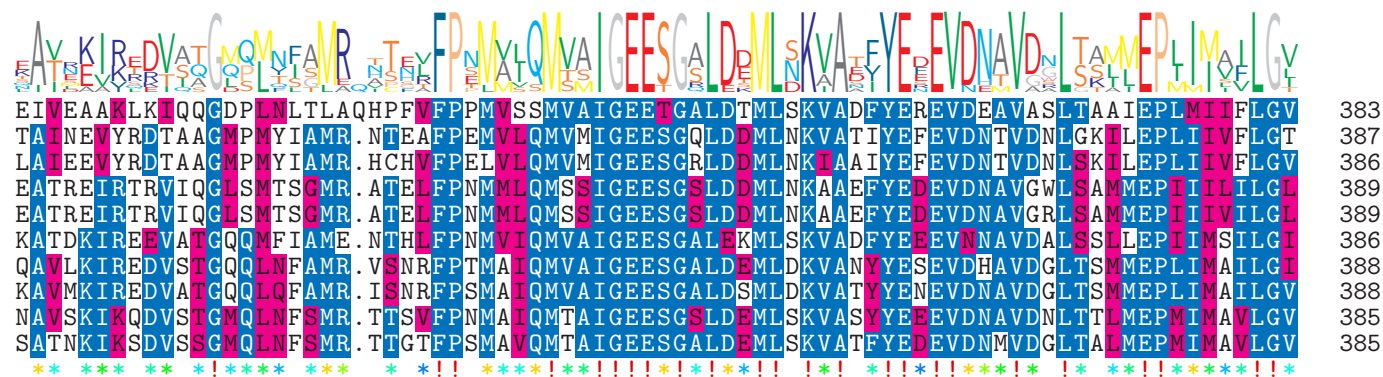
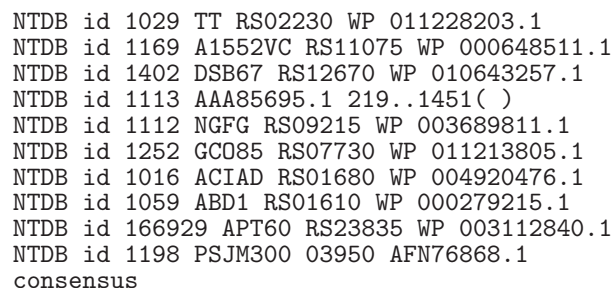
logo

NTDB id	1029	TT RS02230 WP 011228203.1	DLLDREAFLEKEELRGKIRSAMTYPVIVFVFAGVGAYFLLTGIVPQFAQILTDLGSSELPPLLTRFLIAVSDLLRAATL	224
NTDB id	1169	A1552VC RS11075 WP 000648511.1	PEVFERLATYREKSEQLRAKVIKALITPSMVVLVALGVSYLMMLTVIPEFESMFKGFGAELPWFTQQVLKLSHWVQAYSLS	228
NTDB id	1402	DSB67 RS12670 WP 010643257.1	SQVFERLATYREKSEQLRAKVIKALIYPAMVVLVALGVSYLMMLTRVIPEFEKMFTGFADLPAAFTQMVLNLSAWTQNNGP	227
NTDB id	1113	AAA85695.1 219..1451()	ESELDKLATYKEKTQAIRKKVKKTALTYPVSVAIAVAIGLVFVMIMIFVLPAFKEVYANMGAELPALTQTVMMSDFFSVSGW	230
NTDB id	1112	NGFG RS09215 WP 003689811.1	ESELDKLATYKEKTQAIRKKVKKTALTYPVSVAIAVAIGLVFVMIMIFVLPAFKEVYANMGAELPLTQTVMMSDFFSVSGW	230
NTDB id	1252	GCO85 RS07730 WP 011213805.1	DIMLDKVATYKEKTEIKKKIKKKALTYPJAVMVALLVTAGLLIYVVPQFESLFKGGADLPAMTRAUITMSEFMQAYWY	227
NTDB id	1016	ACIAD RS01680 WP 004920476.1	EIMLDRVAVYKEKSEVLKQKIKKAMKYPATVIVVAIVVTIILMVKVVVPVFKDLFTSFGADLPAAFTQLVNNMSNWMQDYWF	229
NTDB id	1059	ABD1 RS01610 WP 000279215.1	ETMLDRVAVYKEKSELLKQKIKKAMKYPATVIVVAIVVTIILMVKVVVPVFDLFFASFGADLPAAFTQMNVNMSKWMEYWF	229
NTDB id	166929	APT60 RS23835 WP 003112840.1	EMLDRVATYKEKTESLKAKIRKAMTYPJAVIIIVALIVSAILLIKVVPQFQSVMFGGFGAELPAFTQMNVNLSEFLQEWWL	226
NTDB id	1198	PSJM300 03950 AFN76868.1	ETLDRVATYKEKTEALKAKIKKAMNYPIAVVLVAVIVTAILLIKVVPQFQDVFNFGAELPAFTLMVIGLSEALQAWY	226
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 1113 AAA85695.1 219..1451( )
NTDB id 1112 NGCF RS09215 WP 003689811.1
NTDB id 1252 GC085 RS07730 WP 011213805.1
NTDB id 1016 ACIAD RS01680 WP 004920476.1
NTDB id 1059 ABD1 RS01610 WP 000279215.1
NTDB id 166929 APT60 RS23835 WP 003112840.1
NTDB id 1198 PSJM300 03950 AFN76868.1
consensus

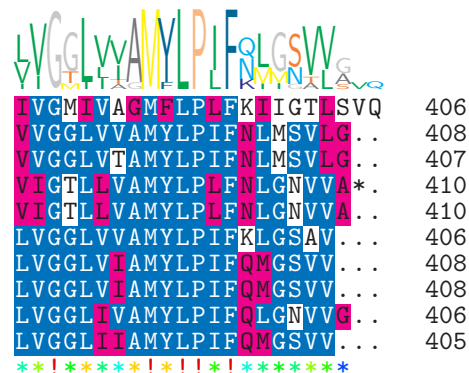
```



```

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 1113 AAA85695.1 219..1451( )
NTDB id 1112 NGCF RS09215 WP 003689811.1
NTDB id 1252 GC085 RS07730 WP 011213805.1
NTDB id 1016 ACIAD RS01680 WP 004920476.1
NTDB id 1059 ABD1 RS01610 WP 000279215.1
NTDB id 166929 APT60 RS23835 WP 003112840.1
NTDB id 1198 PSJM300 03950 AFN76868.1
consensus

```



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