

NTDB id 1029	TT RS02230 WP 011228203.1	MPVYQYKARDRQGRL.VEATIEAEDLRTAARLRDRGLFVAETKEPGKLQA EVRIPALERGPGLK	65
NTDB id 1169	A1552VC RS11075 WP 000648511.1	MKAT.....QTLPLKNYRWKGINSNGKK.VSGQMLAISEIEVRDKLKDQHIIQIKKLKKGVSLSLAR....LTHRVKSK	68
NTDB id 1402	DSB67 RS12670 WP 010643257.1	.MKT.....IAPQLKNYRWKGINSNGKK.TSGNVLAMTEIEVRERLDAQHIKIKKLKKGSSISFITK....ISHRVK GK	67
NTDB id 1112	NGFG RS09215 WP 003689811.1	.MAKNGGFSLF AKKEKR FIFEGRHASADKL VNGEVSAFTEEEARKKLAKRGIRPLQITRV....KT....SSKRKITQE	70
NTDB id 1113	AAK85695.1 219..1451()	.MAKNGGFSLF AKKEKR FIFEGRHASADKL VNGEVSAFTEEEARKKLAKRGIRPLQITRV....KT....SSKRKITQE	70
NTDB id 1252	GCO85 RS07730 WP 011213805.1	.MDKN.....SPPILT FHYQGINKAGQK.MEGDIQARSLATAKADLRKGGIVTNKVVKRKPLFDR....KNKKITQA	67
NTDB id 1198	PSJM300 03950 AFN76868.1	.MAQK.....AIKNSVFTW EGLDRQGAK.IKGELSCGVSPALVKAQLRKQGINPQKVRKKSSISLFS....AGKKIKPM	66
NTDB id 1016	ACIAD RS01680 WP 004920476.1	MAAKK.....TQVMVPV FAYEGVDRKGIK.LKGELPARNMALAKVT LRKQG ITRIREKRKN IFEG...LLKKVKPL	69
NTDB id 254364	CTZ19 RS17705 WP 000279216.1	MAVKK.....AQMMPT FAYEGVDRKG VK.IKGELPAKNMALAKVT LRKQGVTVRNIREKRKNILEG...LFKKKV TTL	69
NTDB id 1059	ABD1 RS01610 WP 000279215.1	MAVKK.....AQMMPT FAYEGVDRKG VK.IKGELPAKNMALAKVT LRKQGVTVRNIREKRKNILEG...LFKKKV TTL	69
consensus		*** * * **** * * * * ! ***** *	*****

NTDB	id	1029	TT	RS02230	WP	011228203.1	D	L	A	I	F	S	R	Q	L	A	T	M	L	G	A	C	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	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	I	G	E	Q	S	G	N	L	147
NTDB	id	1112	NGFG	RS09215	WP	003689811.1	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	N	P	S	M	T	E	M	L	M	E	I	R	G	Q	V	E	G	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	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	N	P	S	M	T	E	M	L	M	E	I	R	G	Q	V	E	G	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	GC085	RS07730	WP	011213805.1	D	I	T	V	F	S	R	Q	L	A	T	M	L	E	S	C	L	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	K	S	G	S	L	147		
NTDB	id	1198	PSJM300	03950	AFN	76868.1	D	I	A	L	F	T	R	Q	L	A	T	M	L	K	A	G	V	P	L	L	S	F	D	I	T	G	E	G	F	D	N	P	N	M	R	K	L	V	D	D	L	K	Q	E	V	A	A	G	N	S	F	A	S	S	L	R	K	K	P	Q	Y	F	D	D	L	Y	C	N	L	V	D	S	G	E	Q	S	G	S	L	146		
NTDB	id	1016	ACIAD	RS01680	WP	004920476.1	D	I	A	I	F	T	R	Q	L	A	T	M	L	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	254364	CTZ19	RS17705	WP	000279216.1	D	I	T	I	F	T	R	Q	L	A	T	M	L	K	A	G	V	P	L	V	Q	G	F	E	I	V	A	E	G	L	E	N	P	A	M	R	E</																																													

NTDB id 1029 TT RS02230 WP 011228203.1	DLLDRLASFLKELELRGKIRSAMTYPVIVFVFVAAGVAYFLLTGIVPQFAQILTDLGSELP LLTRFLIAVSDDLRAATL	224
NTDB id 1169 A1552VC RS11075 WP 000648511.1	PEVFERLATYREKSEQLRAKVIKALIYPSMVVLVALGVSYLM LTMVIP EFESMFKGFGAELPWFTQQVKLSHWVQAVSL	228
NTDB id 1402 DSB67 RS12670 WP 010643257.1	SQVFERLATYREKSEQLRAKVIKALIYPAMVVLVALGVSYLM LTRV IPEFEKMFTGF GADLPAFTQMVLNLSAWTQN WGP	227
NTDB id 1112 NGFG RS09215 WP 003689811.1	E SLDKLALTYKEKTQAIRKKVKLTALTYPVSVIAVAIGLV FVMMLFVLPAPAFKEVYANMGAEPLPTQTVMDSDFVSYGW	230
NTDB id 1113 AAA85695.1 219..1451()	E SLDKLALTYKEKTQAIRKKVKLTALTYPVSVIAVAIGLV FVMMLFVLPAPAFKEVYANMGAEPLPTQTVMDSDFVSYGW	230
NTDB id 1252 CGO85 RS07730 WP 011213805.1	DIMLDKVATYKEKTEAIRKKIKKALTYPITAVM VVALLVTAGLLIYVVPQFESLFKGF GADLPAMTRAIVITMSEFMQAYWY	227
NTDB id 1198 PSJM300 03950 AFN76868.1	ETLLDRVATYKEKTEALKAKIKKAMNYPITAVVLVAVIVTA ILLIKVVPQFQDV FANFGAELPAFTLMVIGLSEALQAWWY	226
NTDB id 1016 ACIAD RS01680 WP 004920476.1	ETMLDRVAVYKEKSEVLKQKIKKMKYPATVIVVAIVVTI ILMVKVVPVFKDLFTSFGADLPAFTQLVVNM SNWMQDYWF	229
NTDB id 254364 CTZ19 RS17705 WP 000279216.1	ETMLDRVATYKEKSELKQKIKKMKYPATVIVVAIVVTI ILMVKVVPVFPQDLFASF GADLPAFTQM VVNMSKWMQEYWF	229
NTDB id 1059 ABD1 RS01610 WP 000279215.1	ETMLDRVATYKEKSELKQKIKKMKYPATVIVVAIVVTI ILMVKVVPVFPQDLFASF GADLPAFTQM VVNMSKWMQEYWF	229
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consensus

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