

NTDB id	1169	A1552VC	RS11075	WP	000648511.1	MKAT.....QTLPLKNYRWKGINSNGKK.VSGQMLAISEIEVRDKLKDQHTIQIKKLKKGVSLLAR.LTHR.VKSKDIT	72
NTDB id	1050039	AKG93	RS13885	WP	005446256.1	.MKT.....IAPQLKNYRWKGINSSGKK.TSGNVLAMTEVEVRERLDAQHIKIKKLKKGSIKFITK.ISHRVKVGKDIT	71
NTDB id	1402	DSB67	RS12670	WP	010643257.1	.MKT.....IAPQLKNYRWKGINSNGKK.TSGNVLAMTEIEVRERLDAQHIKIKKLKKGSIKFITK.ISHRVKVGKDIT	71
NTDB id	1113	AAA85695.1	219..1451()			.MAKNGGFSLF.AKKEKRIFIEGRHSASDKLVNCEVSAFTEEARKKLAKRGIRPLQITRV....KTSSRKITQEDIT	74
NTDB id	1112	NGFG	RS09215	WP	003689811.1	.MAKNGGFSLF.AKKEKRIFIEGRHSASDKLVNCEVSAFTEEARKKLAKRGIRPLQITRV....KTSSRKITQEDIT	74
NTDB id	1252	GCO85	RS07730	WP	011213805.1	.MDKN.....SPPLTTFHYQGINKAGQK.MEGDIQARSLATAKADLRKQGIVTNKVVKRKPFLFDR.KNKKITQADIT	71
NTDB id	1198	PSJM300	03950	AFN	76868.1	.MAQQ.....AIKNSVFTWGLDRQGAK.IKGELSGVSPALVKAQLRKQGINPKVKRKSISIFS..AGKKIKPMDIAL	70
NTDB id	1016	ACIAD	RS01680	WP	004920476.1	MAAKK.....TQVMVPVFAYEGVDRKGIK.LKGELPARNMALAKVTLRKQGITTIREKRKNIFEGLLKVKVPLDI	73
NTDB id	1059	ABD1	RS01610	WP	000279215.1	MAVKK.....AQMPPTFAYEGVDRKGIVK.IKGELPAKNMALAKVTLRKQGIVTVRNIREKRKNILEGLFKKVTTLDIT	73
consensus						*** * ** * ! * * ! * ! * * * * ! * ! * * * * * ! * ! * * * * *	

NTDB id	1169	A1552VC	RS11075	WP	000648511.1	L	T	R	Q	L	A	T	M	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	V	D	L	V	E	T	G	E	M	S	G	N	L	P	E	V	F	152		
NTDB id	1050039	AKG93	RS13885	WP	005446256.1	F	T	R	Q	L	A	T	M	T	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	S	Q	V	F	151
NTDB id	1402	DSB67	RS12670	WP	010643257.1	F	T	R	Q	L	A	T	M	T	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	S	Q	V	F	151
NTDB id	1113	AAA85695.1	219..1451()			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	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	T	G	G	V	L	S	L	154				
NTDB id	1112	NGFG	RS09215	WP	003689811.1	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	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	T	G	G	V	L	S	L	154				
NTDB id	1252	GCO85	RS07730	WP	011213805.1	F	S	R	Q	L	A	T	M	I	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	K	S	G	S	L	D	I	M	L	151	
NTDB id	1198	PSJM300	03950	AFN	76868.1	F	T	R	Q	L	A	T	M	M	K	A	G	V	P	L	L	Q	S	F	D	I	I	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	E	T	L	L	150
NTDB id	1016	ACIAD	RS01680	WP	004920476.1	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	E	S	G	E	Q	S	G	S	L	E	I	M	L	153	
NTDB id	1059	ABD1	RS01610	WP	000279215.1	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	E	V	V	L	G	I	K	E	V	E	G	G	S	T	F	A	S	A	L	R	K	Y</																											

NTDB id	1169	A1552VC	RS11075	WP	000648511.1	E R L A T Y E K S E Q L R A K V I K A L I Y P S M V V L V A L G V S Y L M L T M V I P E F E S M F K G F G A E L P W F T Q Q V L K L S H W V Q A Y S L W A F I	232
NTDB id	1050039	AKG93	RS13885	WP	005446256.1	E R L A T Y E K S E Q L R A K V I K A L I Y P A M V V L V A L G V S Y L M L T K V I P E F E K M F T G F G A E L P A F T Q M V L N L S A W T Q N W G P F I G L	231
NTDB id	1402	DSB67	RS12670	WP	010643257.1	E R L A T Y E K S E Q L R A K V I K A L I Y P A M V V L V A L G V S Y L M L T R V I P E F E K M F T G F G A D L P A F T Q M V L N L S A W T Q N W G P F I G L	231
NTDB id	1113	AAA85695.1	219..1451()			D K L A T Y K E K T Q A I R K K V K T A L T Y P V S V I A V A I G L V F V M I F V L P A F K E V Y A N M G A E L P A L T Q T V M D M S D F F V S Y G W M V L I	234
NTDB id	1112	NGFG	RS09215	WP	003689811.1	D K L A T Y K E K T Q A I R K K V K T A L T Y P V S V I A V A I G L V F V M I F V L P A F K E V Y A N M G A E L P P L T Q T V M D M S D F F V S Y G W M V L I	234
NTDB id	1252	GCO85	RS07730	WP	011213805.1	D K V A T Y K E K I E I I K K K I K K A L T Y P I A V M V V A L L V T A G L L I Y V V P Q F E S L F K G F G A D L P A M T R A V I T M S E F M Q A Y W Y I I F G	231
NTDB id	1198	PSJM300	Q3950	AFN	76868.1	D R V A T Y K E K I E A L K A K I K K A M N Y P I A V V L V A V I V T A I L L I K V V P Q F Q D V F A N F G A E L P A F T L M V I G L S E A L Q A W Y V V I A	230
NTDB id	1016	ACIAD	RS01680	WP	004920476.1	D R V A V Y K E K S E V L K Q K I K K A M K Y P A T V I V V A I V V T I I L M V K V V P V F K D L F T S F G A D L P A F T Q L V V N M S K W M Q D Y W F I L I L	233
NTDB id	1059	ABD1	RS01610	WP	000279215.1	D R V A I Y K E K S E L L K Q K I K K A M K Y P A T V I V V A I V V T I I L M V K V V P V F Q D L F A S F G A D L P A F T Q M V V N M S K W M Q E Y W F I M I I	233
consensus						***!?!?!!*!* ** !!!!!* !! ?!!!!*****!!!!!!* * !!!!!!!!!!!!!!!*!!*!!!!	

NTDB id	1169	A1552VC	RS11075	WP	000648511.1	AIAAAIFGLKALRKNSFQIRLKTSRLGLKFPIIGNVLAKASIAKFSRTLATSFSAAGIPILASLKTAKTSGNVHFETA	IN	312
NTDB id	1050039	AKG93	RS13885	WP	005446256.1	SFVSLIISGKIMSQRSDSFRLLTARSSLRVPILGPVLSKAAIAKFSRTLATSFSAAGIPILTALKTTSKTSGNMHYQLAIE		311
NTDB id	1402	DSB67	RS12670	WP	010643257.1	SFVSLIISGKIMSQRSDSFRLLAARSSLRVPILGPVLSKAAIAKFSRTLATSFSAAGIPILTALKTTSKTSGNMHYQLAIE		311
NTDB id	1113	AAA85695.1	219..1451()			ALGFAIYRGFLKLKARSIKIQRRMDAILLRMPIFGDIVRKGTIARWGRTTATLFAAGVPLVDVLDSTAGAAGNLIYEATR		314
NTDB id	1112	NFGF	RS09215	WP	003689811.1	ALGFAIYGFLLKLKARSIKIQRRMDAILLRMPIFGDIVRKGTIARWGRTTATLFAAGVPLVDVLDSTAGAAGNLIYEEATR		314
NTDB id	1252	GCO85	RS07730	WP	011213805.1	ALGGVVYSFFYAKNHSLFAQTIDRVMLKLPVIGPILEKAAIARFARTLSITFAAGLPLVEALKSVAGATGNIIYAKATD		311
NTDB id	1198	PSJM300	03950	AFN	76868.1	GFVCAAYAFKQAHTRSEKFRNWFDRLMLKVPPVVGDIYKSSVARFARTLSITFAAGVPLVDALDSVAGATGNVVFERSATN		310
NTDB id	1016	ACIAD	RS01680	WP	004920476.1	VIGAAIAGFLEARKSRKRFRDQLDRLVLRPLPVGDLVYKAIIARYSRTLATTFAAGVPLIDALASTAGATNNTVYEQAVL		313
NTDB id	1059	ABD1	RS01610	WP	000279215.1	AIGAIVIAAFLEAKKRSKKFRDGLDKLALKLPVIGDLVYKAIIARYSRTLATTFAAGVPLIDALESTAGATNNVIYEKAVM		313
consensus						***** ** ! * *	***** ! *	* ! *

