

NTDB id	624	LCA RS00040 WP 011373726.1	MINRVVLVGRLLTRDVLRYTSSGAAVGTFSMAVNRQFTNANGDREADFINCVIWRKSAENFANFKTKGSLVGVDGRLQTRNYENQ	85
NTDB id	113	BSU 40900 NP 391970.1	MLNRVVVLVGRLLTKDPELRYTPNGAAVATFTLAVNRFTTNQSGGEREADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTRNYENQ	85
NTDB id	597	KW2 RS01935 WP 021036727.1	.MKNKTMLIGRLTNAPEISKTTNNKSYYVRVTLAVNRFRKNEKGEREADFISIILWGKSAETLVSYAKKGSLISVDEGETRTRNVTDK	84
NTDB id	498	SM12261 RS01980 WP 000282464.1	MYNKVIMIGRLTSTPELHKTNDKSVARATI AVNRRYKDQNGEREADFMVMVLWGRLAETLAS YATKGSLISVDGELRTRRFE.K	84
NTDB id	526	SMSK321 RS08825 WP 000282440.1	MYNKVILIGRLTSTPELHKTNDKSVARATI AVNRRYKDQNGEREADFMVMVLWGRLAETLAS YATKGSLISVDGELRTRRFE.K	84
NTDB id	98525	R8611 RS08870 WP 000282467.1	MYNKVIMIGRLTSTPELHKTNDKSVARATI AVNRRYKDQNGEREADFMVMVLWGRLAETLAS YATKGSLISVDGELRTRRFE.K	84
NTDB id	268	KZH43 RS08520 WP 000282467.1	MYNKVIMIGRLTSTPELHKTNDKSVARATI AVNRRYKDQNGEREADFMVMVLWGRLAETLAS YATKGSLISVDGELRTRRFE.K	84
NTDB id	227	SPD RS09110 WP 000282467.1	MYNKVIMIGRLTSTPELHKTNDKSVARATI AVNRRYKDQNGEREADFMVMVLWGRLAETLAS YATKGSLISVDGELRTRRFE.K	84
NTDB id	193	SPR RS08685 WP 000282467.1	MYNKVIMIGRLTSTPELHKTNDKSVARATI AVNRRYKDQNGEREADFMVMVLWGRLAETLAS YATKGSLISVDGELRTRRFE.K	84
NTDB id	158	SP RS09595 WP 000282442.1	MYNKVILIGRLTSTPELHKTNDKSVARATI AVNRRYKDQNGEREADFMVMVLWGRLAETLAS YATKGSLISVDGELRTRRFE.K	84
NTDB id	409	SMU RS08940 WP 002263454.1	MYNKVILIGRLVATPEMVKTPKDKSVTRVT LAVNRFFKSDGEGKQADFVN VVLWGRLAET LAS YGSXGSLISLDGELRTRKYE.K	84
NTDB id	583	DLJ51 RS09560 WP 002962590.1	MYNKVILIGRLTAPEMVKTPSNKSVTHITLAVNRFFKTDGGERGADFVN VFVWCKLAESLSVSYAKGSLVSLDGEI TRRHVE.K	84
consensus			* * * * *	

NTDB id	624	LCA RS00040 WP 011373726.1	Q G Q R V Y V T E V V D N F S L L E S R T T T E Q R Q G D G A S Q N F N S N Q S N G S Q Q S G F T S P Q Q T G N A P A A N N T Q A D P F A N I G Q A I D I	163
NTDB id	113	BSU 40900 NP 391970.1	Q G Q R V F V T E V Q A E S V Q F L E P K N G G C S G S G G Y N E G N S G G G Q Y F G G G Q N D N P F G G N Q N N Q R R N Q G N S F N D D P F A N D G K P I D I	165
NTDB id	597	KW2 RS01935 WP 021036727.1	N E Q K H Y I T E I L G L S Y D L L E S R A T L A L R E S A V K T E E L L	122
NTDB id	498	SM12261 RS01980 WP 000282464.1	N G Q M N Y V T E V L V T G F Q L L E S R A Q R A M R E N N A G Q D L A D L V L	124
NTDB id	526	SMSK321 RS08825 WP 000282440.1	N G Q M N Y V A E V L V T G F Q L L E S R A Q R A M R E N N A G Q D L A D L V L	124
NTDB id	98525	R8611 RS08870 WP 000282467.1	N G Q M N Y V T E V L V T G F Q L L E S R A Q R A M R E N N A G Q D L A D L V L	124
NTDB id	268	KZH43 RS08520 WP 000282467.1	N G Q M N Y V T E V L V T G F Q L L E S R A Q R A M R E N N A G Q D L A D L V L	124
NTDB id	227	SPD RS09110 WP 000282467.1	N G Q M N Y V T E V L V T G F Q L L E S R A Q R A M R E N N A G Q D L A D L V L	124
NTDB id	193	SPR RS08685 WP 000282467.1	N G Q M N Y V T E V L V T G F Q L L E S R A Q R A M R E N N A G Q D L A D L V L	124
NTDB id	158	SP RS09595 WP 000282442.1	N G Q M N Y V T E V L V T G F Q L L E S R A Q R A M R E N N A G Q D L A D L V L	124
NTDB id	409	SMU RS08940 WP 002263454.1	D G V T H F V T E V L G H S F Q L L E S R A Q R A M R E N N S E N D L A D L V L	124
NTDB id	583	DLJ51 RS09560 WP 002962590.1	D G Q T H Y V T E I L A Q S F Q L L E S R A Q R A L R E N N G A S D L T D L V L	124
consensus			* * * * * ! * * * * * ! * * * * * ! * * * * *	* * * * *

NTDB	id	624	LCA	RS00040	WP	011373726.1	S	DDD	L	P	F	170	
NTDB	id	113	BSU	40900	NP	391970.1	S	DDD	L	P	F	172	
NTDB	id	597	KW2	RS01935	WP	021036727.1	E	A	D	E	L	P	129
NTDB	id	498	SM12261	RS01980	WP	000282464.1	E	E	E	E	L	P	131
NTDB	id	526	SMK321	RS08825	WP	000282440.1	E	E	E	E	L	P	131
NTDB	id	98525	R8611	RS08870	WP	000282467.1	E	E	E	E	L	P	131
NTDB	id	268	KZH43	RS08520	WP	000282467.1	E	E	E	E	L	P	131
NTDB	id	227	SPD	RS09110	WP	000282467.1	E	E	E	E	L	P	131
NTDB	id	193	SPR	RS08685	WP	000282467.1	E	E	E	E	L	P	131
NTDB	id	158	SP	RS09595	WP	000282442.1	E	E	E	E	L	P	131
NTDB	id	409	SMU	RS08940	WP	002263454.1	E	E	E	E	L	P	131
NTDB	id	583	DLJ51	RS09560	WP	002962590.1	E	E	E	E	L	P	131
consensus							*	*	*	*	!	!	!

-  non conserved
-  similar
-  >50% conserved