

[illegible]

NTDB id 602 KW2 RS03060 WP 011834647.1	LAIVDTMNF	IKS	DVQ	TIVM	GMAAS	MG	T	I	ASSG	T	KGK	R	F	M	L	P	N	A	E	Y	L	I	H	Q	P	M	G	G	A	G	Q	G	T	Q	T	D	M	A	I	V	A	E	Q	L	L	K	R	K	R	L	E	Q	155																								
NTDB id 611 V4T04 RS07970 WP 003129593.1	LAIVDTMNF	IKS	DVQ	TIVM	GMAAS	MG	T	I	ASSG	T	KGK	R	F	M	L	P	N	A	E	Y	L	I	H	Q	P	M	G	G	T	G	Q	G	T	Q	T	D	M	A	I	V	A	E	Q	L	L	K	R	K	R	L	E	Q	155																								
NTDB id 282 KZH43 RS03215 WP 000613477.1	LAIVDTMNF	IKA	DVQ	TIVM	GMAAS	MG	T	I	ASSG	A	K	G	K	R	F	M	L	P	N	A	E	Y	M	I	H	Q	P	M	G	G	T	G	G	T	Q	T	D	M	A	I	A	A	E	H	L	L	K	R	N	T	L	E	K	152																							
NTDB id 246 SPD RS03495 WP 000613477.1	LAIVDTMNF	IKS	DVQ	TIVM	GMAAS	MG	T	I	ASSG	A	K	G	K	R	F	M	L	P	N	A	E	Y	M	I	H	Q	P	M	G	G	T	G	G	T	Q	T	D	M	A	I	A	A	E	H	L	L	K	R	N	T	L	E	K	152																							
NTDB id 244 SPR RS03300 WP 000613477.1	LAIVDTMNF	IKA	DVQ	TIVM	GMAAS	MG	T	I	ASSG	A	K	G	K	R	F	M	L	P	N	A	E	Y	M	I	H	Q	P	M	G	G	T	G	G	T	Q	T	D	M	A	I	A	A	E	H	L	L	K	R	N	T	L	E	K	152																							
NTDB id 242 SP RS03655 WP 000613477.1	LAIVDTMNF	IKA	DVQ	TIVM	GMAAS	MG	T	I	ASSG	A	K	G	K	R	F	M	L	P	N	A	E	Y	M	I	H	Q	P	M	G	G	T	G	G	T	Q	T	D	M	A	I	A	A	E	H	L	L	K	R	N	T	L	E	K	152																							
NTDB id 330 STU RS11365 WP 002949732.1	LAIVDTMNF	IKS	DVQ	TIVM	GMAAS	MG	T	I	ASSG	T	KGK	R	F	M	L	P	N	A	E	Y	M	I	H	Q	P	M	G	G	T	G	G	T	Q	T	D	M	A	I	A	A	E	H	L	L	K	R	N	N	L	E	Q	152																									
NTDB id 298 STER RS01925 WP 002949732.1	LAIVDTMNF	IKS	DVQ	TIVM	GMAAS	MG	T	I	ASSG	T	KGK	R	F	M	L	P	N	A	E	Y	M	I	H	Q	P	M	G	G	T	G	G	T	Q	T	D	M	A	I	A	A	E	H	L	L	K	R	N	N	L	E	Q	152																									
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	LAIVDTMNF	IKA	DVQ	TIVM	GMAAS	MG	T	I	ASSG	T	KGK	R	F	M	L	P	N	A	E	Y	M	I	H	Q	P	M	G	G	T	G	G	T	Q	T	D	M	A	I	A	A	E	H	L	L	K	R	H	R	L	E	K	152																									
NTDB id 445 SPY3 RS01720 WP 002985850.1	LAIVDTMNF	IKA	DVQ	TIVM	GMAAS	MG	T	I	ASSG	T	KGK	R	F	M	L	P	N	A	E	Y	M	I	H	Q	P	M	G	G	T	G	G	T	Q	T	D	M	A	I	A	A	E	H	L	L	K	R	H	R	L	E	K	152																									
NTDB id 376 SMU RS07595 WP 255262720.1	LAIVDTMNF	IKS	DVQ	TIVM	G	T	A	A	S	M	G	T	I	A	S	S	G	A	K	G	K	R	F	M	L	P	N	A	E	Y	L	I	H	Q	P	M	G	G	T	G	G	T	Q	Q	S	D	M	A	I	A	E	Q	L	L	K	R	K	K	L	E	K	160															
NTDB id 70509 C38421 RS00980 WP 002806309.1	F	S	I	Y	D	T	M	N	Y	I	K	P	D	V	C	T	I	C	I	G	Q	A	A	S	M	G	A	F	L	L	S	C	G	A	E	G	K	R	F	A	L	P	N	S	R	I	M	I	H	Q	P	L	G	G	A	R	G	..	Q	A	T	D	I	E	I	Q	A	K	E	I	L	R	L	K	T	I	L

NTDB id 602 KW2 RS03060 WP 011834647.1	ILADNSNRSL	EQIHKDAERDHWMDAKETLEYGFIDEIMENNSLK.	199
NTDB id 611 V4T04 RS07970 WP 003129593.1	ILADNSNRSL	EQIHKDAERDHWMDAKETLEYGFIDEIMENNSLK.	199
NTDB id 282 KZH43 RS03215 WP 000613477.1	ILAE	NSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 246 SPD RS03495 WP 000613477.1	ILAE	NSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 244 SPR RS03300 WP 000613477.1	ILAE	NSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 242 SP RS03655 WP 000613477.1	ILAE	NSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 330 STU RS11365 WP 002949732.1	ILADNSGQPI	EKVHVDAERDNWMSAQETLEYGFIDEIMTNNQLK.	196
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSGQPI	EKVHVDAERDNWMSAQETLEYGFIDEIMTNNQLK.	196
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAAQNAGKTI	KQIHKDAERDYWMSAETLAYGFIDEIMENNELK.	196
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAAQNAGKTI	KQIHKDAERDYWMSAETLAYGFIDEIMENNELK.	196
NTDB id 376 SMU RS07595 WP 255262720.1	ILSDNSGKTI	KQIHKDAERDYWMDAKETLKYGFIDEIMENNELK.	204
NTDB id 70509 CJ8421 RS00980 WP 002806309.1	ILAKNTKQKVAKIAKDTERDFFMSAQEAK	EYGLIDKVLKSFK..	194
NTDB id 1223 Cj0192c YP 002343650.1	ILAKNTKQKVAKIAKDTERDFFMSAQEAK	EYGLIDKVLKSFK..	194
NTDB id 86 BSU 34540 NP 391334.1	VLAERTGQPLEVIERDTRDNEFKSAE	ALAYGLIDKILTHTEDKK	197
consensus	*****	*****	

 non conserved
 similar
 $\geq 50\%$ conserved