

NTDB id	1253 GC085 RS04835 WP 011215094.1	MLKLLPKHRSILGIDISSAVKILEISGSGEDICVEGYGREEIPASALEGNMTKDVDVANCIKKLVERLKFTSKNVAL	80
NTDB id	1039541 ABQY16 RS16800 WP 011348458.1	.MGLLPKSTSPPLIGVDISSTA VKLLQLSRSGNRFRERVEHYAVEPLPPNAVVEKNIVEVEAVGEAIRRAINRSGSKAKNAAA	79
NTDB id	1010 ACIAD RS15195 WP 004923715.1	MLRLYRPKKGVLGVDISSTS VKVLELSVKNNQYRVESYGLVPLENSVVEKNILNPEAVADALTRSINLANPQA INAAI	80
NTDB id	1084 FDQ49 RS11070 WP 004711654.1	MLRLYRKPNKGLMGVDISSTS VKLLELSVKNGKYWVESYALMPLPENS SVVEKNILNPEAVAEALERAMNLNPQTITNAAI	80
NTDB id	1054 ABD1 RS15870 WP 002014066.1	MLRLYRKPNKGLMGVDISSTS VKLLELSVKNGKYWVESYALMPLPENS SVVEKNILNPEAVAEALERAMNLANPQTTTHAAI	80
consensus		*** ***** *!*!!!!*! *!* *!* ** *!* ***** ***** ***** ***** ***** ***** *	

NTDB id	1253	GC085	RS04835	WP	011215094.1	AVPDS	SAVISKVVQIN	EGLTDL	EMEELV	IEADKYIPYPIDE	INLDFEVL	GHS	AKSSSL	L	DVLIVASRAENVNTRVE	AAHR	160
NTDB id	1039541	ABQY16	RS16800	WP	011348458.1	AVAGS	AVITKLT	PMPADL	DDSDLEA	QVELEATNYIPYP	IIEVNLD	FELG	PM	NSPD	MVQVLLAASRS	ENVELRQSALEL	159
NTDB id	1010	ACIAD	RS15195	WP	004923715.1	AVPTS	MVHKTI	EMDADM	TDDERE	VQRMDAERYIPFPLDEVS	LDFEV	MSEPLANPNRVSVL	IAATR	TENV	DTRI	EVLEL	160
NTDB id	1084	FDQ49	RS11070	WP	004711654.1	AVPTST	VIHKT	IEMDADM	SDDERE	VQRVDAEQYIPFPLDEVS	LDFEVL	PDRLANPNRVN	VLLVATRTEN	VETRV	EVLEL	160	
NTDB id	1054	ABD1	RS15870	WP	002014066.1	AVPTST	VIHKT	IEMDADM	SDDERE	VQRVDAEQYIPFPLDEVS	LDFEVL	PDRLANPNRVN	VLLVATRTEN	VETRV	EVLEL	160	
consensus						!!**!	**!	*~***~***~*	*~*	*~***~*	!~*~*	*	~*	~***~*	~***~*	~***~*	160

[illegible][illegible]

NTDB id 1253 GC085 RS04835 WP 011215094.1	L S H M S F G K K V N L D V I N S D A P T L M V A C G L A L R H V E .	354
NTDB id 1039541 ABQY16 RS16800 WP 011348458.1	L A Q M T L G P K V Q A H A L A L D A P A L M I A T G L A L R S F D .	352
NTDB id 1010 ACIAD RS15195 WP 004923715.1	F L Q M E F S P Q V D I K K V E N D A A S L M V A C G L A L R S F D E	353
NTDB id 1084 FDQ49 RS11070 WP 004711654.1	F L Q M G F S P Q V D V Q K I E N D A S S L M V A C G L A L R S F D .	352
NTDB id 1054 ABD1 RS15870 WP 002014066.1	F L Q M G F S P Q V D V Q K I E N D A S S L M V A C G L A L R S F D .	352
consensus	* * * ! * * * * ! * * ! * * * * ! * ! * ! * ! * ! * ! * ! * * *	

 non conserved
 similar
 $\geq 50\%$ conserved