

NTDB id	1253	GC085	RS04835	WP	011215094.1	MLKLLPKHRSILGIDISSSAVKILEISGSGEDICVEGYGREEIPASALEGNMTKDQDVVANCIKKLVERLKFTSKNVAL	80
NTDB id	1040005	ACDH70	RS17610	WP	104539994.1	.MGLLPKSTSPILIGVDISSTA VKLLQLSRSGNRFRFVEHYAVEPLPPNAVVEKNIVEEAVCEAIRRAINRSGSKAKSAAA	79
NTDB id	1010	ACIAD	RS15195	WP	004923715.1	MLRLYRPKKGLVGVDISSTS VKVLLELSVKNNQYRVESYGLVPLENSVVEKNILNP EAVDALTR SINLANPQA INAAI	80
NTDB id	1054	ABD1	RS15870	WP	002014066.1	MLRLYRKPNKGLMGVDISSTS VKLLELSVKNGKYWVESYALMP LPENS VVEKNILNP EAVAELERAMNLANPQTTHAAI	80
NTDB id	1084	FDQ49	RS11070	WP	004711654.1	MLRLYRKPNKGLMGVDISSTS VKLLELSVKNGKYWVESYALMP LPENS VVEKNILNP EAVAELERAMNLANPQTTHAAI	80
consensus						***!*****!*!!!!**!!*!*****!*!!!!*****!!!!!!!!!!!!*	

NTDB id 1253	GCO85	RS04835	WP 011215094.1	AVPDSAVISKVVQINEGLTDEMEELVVEADKYIPYPIDEINLDFEVLGHSASKSSSLDVLIVASRAENVNTRVEAAHR	160
NTDB id 1040005	ACDH70	RS17610	WP 104539994.1	AVAGSAVITKIPMPADLDESLEAQVELEATNYIPYPIBEVNLD FEVLGMPMNSPDMVQVLLAASRSSENVELRQSALEL	159
NTDB id 1010	ACIAD	RS15195	WP 004923715.1	AVPTSMVVKHKTIEDMADMTDDEREVQIRMDAERYIPFPLDEVSLDFEVMSSEPLANPNRVSVLLAATRTEVNDTRIEVLEL	160
NTDB id 1054	ABD1	RS15870	WP 002014066.1	AVPTSTVIHKTIEMDADMSSDEREVQIRVDAEQYIPFPLDEVSLDFEVLPRLLANPNRVVLLVATRTEVNVTRVEVLEL	160
NTDB id 1084	FDQ49	RS11070	WP 004711654.1	AVPTSTVIHKTIEMDADMSSDEREVQIRVDAEQYIPFPLDEVSLDFEVLPRLLANPNRVVLLVATRTEVNVTRVEVLEL	160
consensus				!!*#!**!******!*!!!!*!*!*!!!!!!*!******!***!?!?!?!*!*****	

[illegible]

NTDB id	1253	GC085	RS04835	WP	011215094.1	EQAIALKNQGKLPEDYESAVLEPFDKMILLQIKRITLQFFYSTSQHGFVDHILLAGGMARQPGLAALIQEQLVGTTIVANP	320
NTDB id	1040005	ACDH70	RS17610	WP	104539994.1	EEAGLAIRQGGLPESEYVEVLEPFKEATVQQISRLLQFFFYAGSEFNRYDCTVLVLAGGCAALARLPMEVEEQLGVTTIVANP	318
NTDB id	1010	ACIAD	RS15195	WP	004923715.1	EEAGRAKKDGSPLPEDFTQEVFEPYLEALVQQAARSRLQFFFSSSQYNIEDHILLAGGNANILGLSRLLQKKLGyrvtIANP	318
NTDB id	1054	ABD1	RS15870	WP	002014066.1	EEASRAKKDRSLPDDEYEIEVLDPFLDAVVQQAARSRLQFFFSSSQFNEIDHILLAGGNANIPGLAKLLQKKLGyrvtIANP	318
NTDB id	1084	FDQ49	RS11070	WP	004711654.1	EEASRAKKDRITLPDDYEIEVLDPFLDAVVQQAARSRLQFFFSSSQFNEIDHILLAGGNANIPGLAKLLQKKLGyrvtIANP	318
consensus						*! *! **!*! *****! **! *****! **! !!!!!!! ****! ****! *****! !!	

[illegible]

 non conserved
 similar
 $\geq 50\%$ conserved