

NTDB	id 1402	DSB67	RS12670	WP 010643257.1	.MKT.....IAPQLKNYRWKGINSSGKK.TSGNVLAMTEIEVRRLDAQHIIKIKLKKGSISFIT.KISHRVKGKDITI	71
NTDB	id 1169	A1552VC	RS11075	WP 000648511.1	MKAT.....QTLPLKNYRWKGINSSGKK.VSQQMLAISEIEVRDKLKDQHIQIKKLKKGSVSLA.RLTHRVKSKDITI	72
NTDB	id 1112	NGFG	RS09215	WP 003689811.1	.MAKNGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIPLQITRVK.....TSSKRKITQEDITV	74
NTDB	id 1113	AAA85695.1	219..1451()		.MAKNGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIPLQITRVK.....TSSKRKITQEDITV	74
NTDB	id 1252	CG085	RS07730	WP 011213805.1	.MDK.....NSPPLTFHHYQCKINAKGQK.MEGDIQARSLATAKADLRKQGIIVTNKVVKRKPFLD.RKNKKITQADITV	71
NTDB	id 1016	ACIAD	RS01680	WP 004920476.1	MAAK.....KTQVMPVFAYEGVDRKGIK.LKGELPARNMALAKVTLRKQGITIRTIREKRKNIFEGLLKKVKPLDIAI	73
NTDB	id 1059	ABD1	RS01610	WP 000279215.1	MAVK.....KAQMMPTFAYEGVDRKGVK.IKGELPAKNMALAKVTLRKQGVTVRNIREKRKNILEGLFKKKVTTLDITI	73
NTDB	id 333332	ENC22	RS06675	WP 127969021.1	.MAQ.....AANKSSTFVWEGTDRKGNK.TKGETSGANVALVKAQLRKQGINPTKVKKKAESILG.KRTKITITPFDAI	71
NTDB	id 1198	PSJM300	03950	AFN76868.1	.MAQ.....KAIKNSVFTWEGLDKQGAK.IKGLSGVSPALVKAQLRKQGINPQKVRKKISILFS.A.GKKIKPMDIAL	70
consensus					*** * * * * * * * * * *	71

[illegible]

NTDB id	1402	DSB67	RS12670	WP	010643257.1	E	R	L	A	T	Y	R	E	K	S	E	Q	L	R	A	K	V	I	K	A	L	I	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	I	N	L	S	A	T	Q	N	W	G	P	F	I	G	L		231
NTDB id	1169	A1552VC	RS11075	WP	000648511.1	E	R	L	A	T	Y	R	E	K	S	E	Q	L	R	A	K	V	I	K	A	L	I	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	I	K	L	S	H	W	Q	A	Y	S	L	W	A	F	I		232
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	P	V	S	V	I	A	V	A	I	G	L	V	F	V	M	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	S	D	F	F	V	S	Y	G	W	M	V	L	I		234
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	P	V	S	V	I	A	V	A	I	G	L	V	F	V	M	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	S	D	F	F	V	S	Y	G	W	M	V	L	I		234
NTDB id	1252	CQ085	RS07730	WP	011213805.1	D	K	V	A	T	Y	K	E	K	I	E	L	I	K	K	I	K	K	A	L	T	P	I	A	V	M	V	V	A	L	I	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	S	E	F	M	Q	A	Y	W	I	I	F	G		231			
NTDB id	1016	ACIAD	RS01680	WP	004920476.1	D	R	V	A	T	Y	K	E	K	S	E	V	L	K	Q	K	I	K	K	A	M	K	P	A	T	V	I	V	V	A	I	V	T	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	N	W	M	Q	D	Y	W	F	I	L	I		233		
NTDB id	1059	ABD1	RS01610	WP	000279215.1	D	R	V	A	T	Y	K	E	K	S	E	L	L	K	Q	K	I	K	K	A	M	K	P	A	T	V	I	V	V	A	I	V	T	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		233		
NTDB id	333332	ENC22	RS06675	WP	127969021.1	D	R	V	A	S	Y	L	E	K	T	E	T	L	K	K	V	K	K	A	L	T	P	I	A	V	I	V	V	A	I	V	T	G	I	L	L	V	K	V	V	P	Q	F	Q	E	L	F	Q	G	F	G	A	D	L	P	A	F	T	Q	V	V	I	N	L	S	V	I	M	Q	E	Y	W	F	V	F	L	I		231	
NTDB id	1198	PSJM300	03950	AFN	76868.1	D	R	V	A	T	Y	K	E	K	T	E	A	L	K	I	K	K	A	M	N	P	I	A	V	V	L	V	A	I	V	T	A	I	L	L	I	K	V	V	P	Q	F	D	V	F	A	N	F	G	A	E	L	P	A	F	T	L</																							

NTDB	id	1402	DSB67	RS12670	WP	010643257.1	SFVSL	I	S	G	K	I	M	S	Q	R	S	D	S	F	R	L	L	A	A	R	S	S	L	R	V	P	I	L	G	P	V	L	S	K	A	A	I	A	K	F	S	R	T	L	A	T	S	F	S	A	G	I	P	I	L	T	A	L	K	T	T	S	K	T	S	G	N	M	H	Y	Q	L	A	I	E	311					
NTDB	id	1169	A1552VC	RS11075	WP	000648511.1	A	I	A	A	A	T	F	G	L	K	A	L	R	K	N	S	F	Q	I	R	L	K	T	S	R	U	G	L	K	F	P	I	I	G	N	V	L	A	K	A	S	I	A	K	F	S	R	T	L	A	T	S	F	A	A	G	I	P	I	L	A	S	L	K	T	T	A	K	T	S	G	N	V	H	F	E	T	A	I	N	312
NTDB	id	1112	NGFG	RS09215	WP	003689811.1	A	L	G	F	A	I	Y	G	F	L	K	L	K	A	R	S	I	K	I	Q	R	M	D	A	I	L	L	R	M	P	I	F	G	D	I	V	R	K	G	T	I	A	R	W	G	R	T	T	A	T	L	F	A	A	G	V	P	L	V	D	L	S	T	A	G	A	G	N	L	I	Y	E	E	A	T	R	314				
NTDB	id	1113	AAA85695.1	219..1451()			A	L	G	F	A	I	Y	G	F	L	K	L	K	A	R	S	I	K	I	Q	R	M	D	A	I	L	L	R	M	P	I	F	G	D	I	V	R	K	G	T	I	A	R	W	G	R	T	T	A	T	L	F	A	A	G	V	P	L	V	D	L	S	T	A	G	A	G	N	L	I	Y	E	E	A	T	R	314				
NTDB	id	1252	GC085	RS07730	WP	011213805.1	A	L	G	G	V	V	S	F	F	Y	A	K	N	S	L	E	F	A	Q	T	I	D	R	V	M	L	K	L	P	I	G	P	I	L	E	K	A	A	I	A	R	F	A	R	T	L	S	I	T	F	A	A	G	L	P	L	V	E	A	L	K	S	V	A	G	A	T	G	N	I	I	Y	A	K	A	T	D	311			
NTDB	id	1016	ACIAD	RS01680	WP	004920476.1	V	I	G	A	A	T	A	C	F	L	E	A	R	K	R	S	K	R	F	R	D	Q	L	D	R	L	V	L	R	L	P	I	V	G	D	L	V	Y	K	A	I	I	A	R	Y	S	R	T	L	A	T	T	F	A	A	G	V	P	I	D	A	L	A	S	T	A	G	A	T	N	N	T	V	Y	E	Q	A	V	L	313	
NTDB	id	1059	ABD1	RS01610	WP	000279215.1	A	I	C	A	V	I	A	A	F	L	E	A	K	K	R	S	K	K	F	R	D	G	L	D	K	L	A	L	K	L	P	I	F	G	D	L	V	Y	K	A	I	I	A	R	Y	S	R	T	L	A	T	T	F	A	A	G	V	P	I	D	A	L	E	S	T	A	G	A	T	N	N	V	I	Y	E	K	A	V	M	313	
NTDB	id	333332	ENC22	RS06675	WP	127969021.1	S	I	V	G	S	I	F	A	F	K	E	A	R	R	S	E	K	V	S	N	A	V																																																											

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NTDB id 1402 DSB67 RS12670 WP 010643257.1
NTDB id 1169 A1552VC RS11075 WP 000648511.1
NTDB id 1112 NGFG RS09215 WP 003689811.1
NTDB id 1113 AAA85695.1 219..1451()
NTDB id 1252 GC085 RS07730 WP 011213805.1
NTDB id 1016 ACIAD RS01680 WP 004920476.1
NTDB id 1059 ABD1 RS01610 WP 000279215.1
NTDB id 333332 ENC22 RS06675 WP 127969021.1
NTDB id 1198 PSJM300 03950 AFN76868.1
consensus

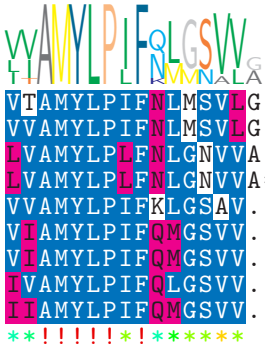


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NTDB id 1402 DSB67 RS12670 WP 010643257.1
NTDB id 1169 A1552VC RS11075 WP 000648511.1
NTDB id 1112 NGFG RS09215 WP 003689811.1
NTDB id 1113 AAA85695.1 219..1451()
NTDB id 1252 GC085 RS07730 WP 011213805.1
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NTDB id 1059 ABD1 RS01610 WP 000279215.1
NTDB id 333332 ENC22 RS06675 WP 127969021.1
NTDB id 1198 PSJM300 03950 AFN76868.1
consensus



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☒ non conserved
☒ similar
☒ ≥ 50% conserved