

logo

	MTSDPNPAQAFENWFEEEEEDDAFTSLIAGEETNSGIEELDFGDLFEQEPTVIQEGEGFGSPSSGEEDPPVRMTLDFNSPE	
NTDB id 1419 SGL RS12550 WP 010873252.1	MTSDPNPAQAFENWFEEEEEDDAFTSLIAGEETNSGIEELDFGDLFEQEPTVIQEGEGFGSPSSGEEDPPVRMTLDFNSPE	80
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1059105 ACF3DV RS06775 WP 016876361.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
consensus		

logo

	AELDALFTDEDAPTTAIDPFESSWLEIDQMEADPLASIPETNAPAYQTAGGLDDNDLAEQLDLLGVGDVEPAITNPGL	
NTDB id 1419 SGL RS12550 WP 010873252.1	AELDALFTDEDAPTTAIDPFESSWLEIDQMEADPLASIPETNAPAYQTAGGLDDNDLAEQLDLLGVGDVEPAITNPGL	160
NTDB id 413 AAK55817.1 141..845()	0
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NTDB id 1417 SGL RS04200 WP 014407071.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus		

logo

	HSFAGADRVPTLTNEVLLFAAIDDLGLINAPVLDEEFSFTELETLIDTPAPKSFATISHPFRLPVAMEEDEDEFKDL	
NTDB id 1419 SGL RS12550 WP 010873252.1	HSFAGADRVPTLTNEVLLFAAIDDLGLINAPVLDEEFSFTELETLIDTPAPKSFATISHPFRLPVAMEEDEDEFKDL	240
NTDB id 413 AAK55817.1 141..845()	0
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NTDB id 1417 SGL RS04200 WP 014407071.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus		

logo

	LLEQADSSLGGGIAGMGGARLPARPRQVKSRSFEQTMRVPIKQLDNLSNLIGELVVKRNRLEQDQERLRQFLDNLLNQAQ	
NTDB id 1419 SGL RS12550 WP 010873252.1	LLEQADSSLGGGIAGMGGARLPARPRQVKSRSFEQTMRVPIKQLDNLSNLIGELVVKRNRLEQDQERLRQFLDNLLNQAQ	320
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1059105 ACF3DV RS06775 WP 016876361.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus		

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	NLSDVGGRMQDLYERTLLEGALLASRSTNSRHHSKTTYPDARITASSSSTMNDQPLDALEMDFRFTGFHLLSQEMIELIV	
NTDB id 1419 SGL RS12550 WP 010873252.1	NLSDVGGRMQDLYERTLLEGALLASRSTNSRHHSKTTYPDARITASSSSTMNDQPLDALEMDFRFTGFHLLSQEMIELIV	400
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1059105 ACF3DV RS06775 WP 016876361.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus		

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	RVRESASDIQYLVD ETDQVARTLRQVTTQLQEGMTKSRMVPFTQTADRLPRAIREVSMKLNKKVNLEVEGGDVLIDKMIL	
NTDB id 1419 SGL RS12550 WP 010873252.1	RVRESASDIQYLVD	480
NTDB id 413 AAK55817.1 141..845()	ETDQVARTLRQVTTQLQEGMTKSRMVPFTQTADRLPRAIREVSMKLNKKVNLEVEGGDVLIDKMIL	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1059105 ACF3DV RS06775 WP 016876361.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus	0

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	EHLYNP MTHLVNNAITHG IETPAERQKLGKSP EGHLAVRAFLQGNQTLITVSDDGAGINTEMVKQKAVEKGLISRME AQS	
NTDB id 1419 SGL RS12550 WP 010873252.1	EHLYNP	560
NTDB id 413 AAK55817.1 141..845()	MTHLVNNAITHG	0
NTDB id 374 SMU RS06885 WP 002262930.1	IETPAERQKLGKSP	0
NTDB id 1059105 ACF3DV RS06775 WP 016876361.1	EGHLAVRAFLQGNQTLITVSDDGAGINTEMVKQKAVEKGLISRME	0
NTDB id 1417 SGL RS04200 WP 014407071.1	AQS	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus	0

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	LSQSEVYDLLFHAGFSTKDTADDFAGRGVGLDV VRTSLIDIRGAINI ESTV GKGTTF IRLPL TL SICKALCCLSDRARI	
NTDB id 1419 SGL RS12550 WP 010873252.1	LSQSEVYDLLFHAGFSTKDTADDFAGRGVGLDV	640
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NTDB id 374 SMU RS06885 WP 002262930.1	ESTV	0
NTDB id 1059105 ACF3DV RS06775 WP 016876361.1	GKGTTF	0
NTDB id 1417 SGL RS04200 WP 014407071.1	IRLPL	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	TL	0
consensus	SICKALCCLSDRARI	0

logo

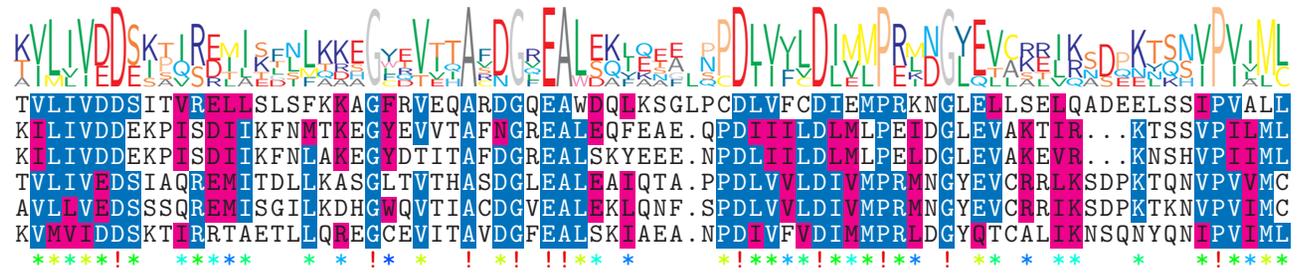
	AFPMDGVEDTRDYL PKDIVTDEDG QKCVKY GKEALL PLYPLKDLLN YRQLSRG SVYGGKQ EEDVVR VI IARGSS GNLL	
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NTDB id 413 AAK55817.1 141..845()	PKDIVTDEDG	0
NTDB id 374 SMU RS06885 WP 002262930.1	QKCVKY	0
NTDB id 1059105 ACF3DV RS06775 WP 016876361.1	GKEALL	0
NTDB id 1417 SGL RS04200 WP 014407071.1	PLYPLKDLLN	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	YRQLSRG	0
consensus	SVYGGKQ	0

logo

	ALQIDQVLG EEEEIVIKQIEGPIPKPPGIAGATVRGDG SIM PIADVLELIEIAQ RLRTDSSGGLWRKTL TPTMEDAF MD ME	
NTDB id 1419 SGL RS12550 WP 010873252.1	ALQIDQVLG	800
NTDB id 413 AAK55817.1 141..845()	EEEEIVIKQIEGPIPKPPGIAGATVRGDG	2
NTDB id 374 SMU RS06885 WP 002262930.1	SIM	2
NTDB id 1059105 ACF3DV RS06775 WP 016876361.1	PIADVLELIEIAQ	2
NTDB id 1417 SGL RS04200 WP 014407071.1	RLRTDSSGGLWRKTL	2
NTDB id 1047 HON27 RS03110 WP 000389061.1	TPTMEDAF	2
consensus	MD	8

logo

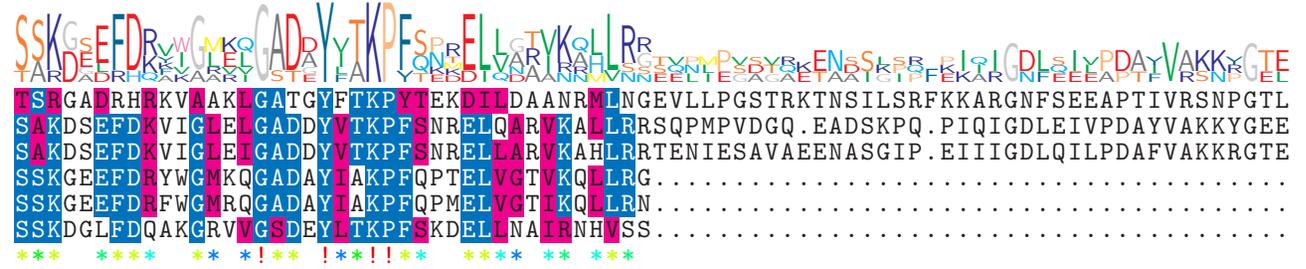
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 NTDB id 1059105 ACF3DV RS06775 WP 016876361.1
 NTDB id 1417 SGL RS04200 WP 014407071.1
 NTDB id 1047 HON27 RS03110 WP 000389061.1
 consensus



880
78
78
81
81
87

logo

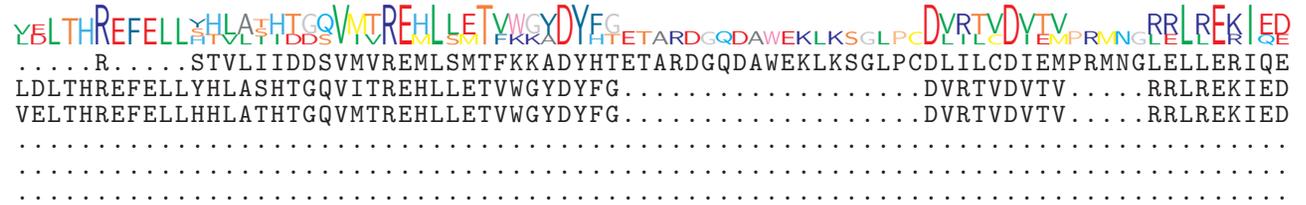
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 NTDB id 1059105 ACF3DV RS06775 WP 016876361.1
 NTDB id 1417 SGL RS04200 WP 014407071.1
 NTDB id 1047 HON27 RS03110 WP 000389061.1
 consensus



960
156
157
121
121
127

logo

NTDB id 1419 SGL RS12550 WP 010873252.1
 NTDB id 413 AAK55817.1 141..845()
 NTDB id 374 SMU RS06885 WP 002262930.1
 NTDB id 1059105 ACF3DV RS06775 WP 016876361.1
 NTDB id 1417 SGL RS04200 WP 014407071.1
 NTDB id 1047 HON27 RS03110 WP 000389061.1
 consensus



1030
212
213
121
121
127

<0

logo

NTDB id 1419 SGL RS12550 WP 010873252.1
 NTDB id 413 AAK55817.1 141..845()
 NTDB id 374 SMU RS06885 WP 002262930.1
 NTDB id 1059105 ACF3DV RS06775 WP 016876361.1
 NTDB id 1417 SGL RS04200 WP 014407071.1
 NTDB id 1047 HON27 RS03110 WP 000389061.1
 consensus



1095
234
235
121
121
127

non conserved
 similar
 ≥ 50% conserved