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NTDB id 1186	GTF74	RS01320	WP 000788426.1	MKMRHGLTTLTPRKLTGLFSLWFSLLAP...FVAAEEVQSNLSKSIDFRNTNKDKDAVIVVELVSPAAIVDIKRVQEGLSI	76
NTDB id 1175	A1552VC	RS12105	WP 000788426.1	..MKNGLKT..YVAQTWLTLWVGLALCASSMVFSAESATANQLENIDFRVNKEKAAVLIVELASPSAVVDVQKVQEGLSI	76
NTDB id 1408	DSB67	RS13980	WP 010643500.1	..MKNGLKT..YVAQTWLTLWVGLALCASSMVFSAESATANQLENIDFRVNKEKAAVLIVELASPSAVVDVQKVQEGLSI	77
NTDB id 30159	KPHS	49140	YP 005229214.1		0
NTDB id 1433	BW25113	RS17570	WP 000815987.1		0
NTDB id 1347	HI	0435	AAC22094.1		0
NTDB id 1373	NTHI	RS02645	WP 011272046.1		0
NTDB id 1381	A4U84	RS02010	WP 021113424.1		0
NTDB id 1465	ASU2	RS06170	WP 014991934.1		0
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logo

NTDB id 1186	GTF74	RS01320	WP 000788426.1	ELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLVVTVDGEFQHDYTLKGKYLEVVISKLKADEKPKPKSVLEKEG	156
NTDB id 1175	A1552VC	RS12105	WP 000788426.1	ELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLVVTVDGEFQHDYTLKGKYLEVVISKLKADEKPKPKSVLEKEG	156
NTDB id 1408	DSB67	RS13980	WP 010643500.1	DLLNTSVKDDQLYLLDVKDFSTVVESVEVFRDTSTTRLVAYIDEDYSHDYRLTGRYLEVKVGKLNKANEKAPDKSILDKEG	157
NTDB id 30159	KPHS	49140	YP 005229214.1	MMRWISLLLLLLPLAVAPAAARNND	23
NTDB id 1433	BW25113	RS17570	WP 000815987.1	MKQWIAALLLMLIPGVQ..AAKP	21
NTDB id 1347	HI	0435	AAC22094.1	MKKYFLKCGYFLVCFCLPLIVFAN....P.KTDN	29
NTDB id 1373	NTHI	RS02645	WP 011272046.1	MKKYFLKCGYFLVCFCLPLIVFAN....P.KTDN	29
NTDB id 1381	A4U84	RS02010	WP 021113424.1	MRYLFLFFATF....P.VLAN	17
NTDB id 1465	ASU2	RS06170	WP 014991934.1	MKRMILLFFIL....P.PVIA	17
consensus					

logo

NTDB id 1186	GTF74	RS01320	WP 000788426.1	KLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVGNTLRLDGVPPWQVLDIILQVKGLDKRVDGNVILIAPKEELDRE	236
NTDB id 1175	A1552VC	RS12105	WP 000788426.1	KLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVGNTLRLDGVPPWQVLDIILQVKGLDKRVDGNVILIAPKEELDRE	236
NTDB id 1408	DSB67	RS13980	WP 010643500.1	KLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVGNTLRLDGVPPWQVLDIILQVKGLDKRVDGNVILIAPKEELDRE	237
NTDB id 30159	KPHS	49140	YP 005229214.1	KPVSLVIDDAPVAQVLQALAEQKLNLVVSPDVSGTSLRLQKVPWSQALRAVADSAGLSLQQGTVIYAHQAQKANK	103
NTDB id 1433	BW25113	RS17570	WP 000815987.1	QKVTLMVDDVPVAQVLQALAEQKLNLVVSPDVSGTSLRLQKVPWSQALRAVADSAGLSLQQGTVIYAHQAQKANK	101
NTDB id 1347	HI	0435	AAC22094.1	ERFFIRLSQAPLAQTLEQLAFQQDVNLVIGDILENKISLKLNNIDMPRLQIIAKSKHLLTNKDDGIYYLNGSQSGKGQV	109
NTDB id 1373	NTHI	RS02645	WP 011272046.1	ECFFIRLSQAPLAQTLEQLAFQQDVNLVIGDILENKISLKLNNIDMPRLQIIAKSKHLLTNKDDGIYYLNGSQSGKGQV	109
NTDB id 1381	A4U84	RS02010	WP 021113424.1	QQISLSIRNAPTAETISYLAEEETGKNITISDEIKDTKNFRVEKSHFDEILNSLIKTHQLNLKENGIIYIYHQAQEHKQHT	97
NTDB id 1465	ASU2	RS06170	WP 014991934.1	HAFSISLKNAPTAKILSYLAEEHGKNIVLSDNIETNTTLRIENSNFDSVLKSIITRANKLTSAYENQIYFIGHKDDKDPN	97
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logo

NTDB id 1186	GTF74	RS01320	WP 000788426.1	KQALEKARLAEEELGDLKSEI IKINFAKASDIAAMIGGEGNVNMLSERGSISIDERTNSLLIRELPDNIIVIREIIIESLDI	316
NTDB id 1175	A1552VC	RS12105	WP 000788426.1	KQALEKARLAEEELGDLKSEI IKINFAKASDIAAMIGGEGNVNMLSERGSISIDERTNSLLIRELPDNIIVIREIIIESLDI	316
NTDB id 1408	DSB67	RS13980	WP 010643500.1	KQALEKARLAEEELGDLKSEI IKINFAKASDIAAMIGGEGNVNMLSERGSISIDERTNSLLIRELPDNIIVIREIIIESLDI	317
NTDB id 30159	KPHS	49140	YP 005229214.1	AQRAEQEKRLQNLPLQAESVTLHFADAEEEL...A.KSGGKLLSARGHLMADKRTNRLLRDARHLPALKAQAQEMDL	178
NTDB id 1433	BW25113	RS17570	WP 000815987.1	AQRAEQARAQANLPLENRSITLQYADAGEL...A.KAGEKLLSAKGSMTVDKRTNRLLRDNRKTALSALEQWVAQMDL	176
NTDB id 1347	HI	0435	AAC22094.1	.A....GNLTTNEPHLVSHTVKLHFAKASELMKSLT.TGSGSLLSPAGSITFDDRSNLLVIQDEPRSVQNIKKLIAEMDK	183
NTDB id 1373	NTHI	RS02645	WP 011272046.1	.A....GNLTTNEPHLVSHTVKLHFAKASELMKSLT.TGSGSLLSPAGSITFDDRSNLLVIQDEPRSVQNIKKLIAEMDK	183
NTDB id 1381	A4U84	RS02010	WP 021113424.1	.T....AQLVNALPKLITKTIKLYHAKASELVIESLT.KGQGNLLSESGYLHFDNRNSIIVKDSAASVKNFTQLIESLDK	171
NTDB id 1465	ASU2	RS06170	WP 014991934.1	RG....LNLLELLKPKLITKTIKLYHAKASELVIESLT.KGSGNFLSENGYLHFDNRNSLIKIDSPESMKNIVKLIRNLDR	172
consensus					

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NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 30159 KPHS 49140 YP 005229214.1
NTDB id 1433 BW25113 RS17570 WP 000815987.1
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consensus

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 non conserved
 similar
 $\geq 50\%$ conserved