

logo

Logo		MTITTAQKKYEAAMHEFINMVDDFEESTPDFAKEVLHDSYVVTKNEYAVALCSLSTDECEYDNLNLYLDEKLVDYSTVDV		
Acr00299	type II-C	.....	MFKRAIIFTSFNGLETVSQ.TEKRQLAKIINSEVSIINEHLEAKATNASLDGQYRAFLFN....	77
Acr00295	type II-C	.....	MFKRAIIFTSFNGLETVSQ.TEKRQLAKIINSEVSIINEHLEAKATNASLDGQYRAFLFN....	77
Acr00297	type II-C	MDRQQACHRHLDGFKDKRKDFK	MFKRAIIFTSFNGLETVSQ.TEKRQLAKIINSEVSIINEHLEAKATNASLDGQYRAFLFN....	99
Acr00296	type II-C	.....	MFKRAIIFTSFNGLETVSQ.TEKRQLAKIINSEVSIINEHLEAKATNASLDGQYRAFLFN....	77
Acr00293	type II-C	.....	MFKRAIIFTSFNGFEKVSR.TEKRLAKITNSEVSIINEHLEAKATNASLDGQYRAFLFN....	77
Acr00294	type II-C	.....	MFKRAIIFTSFNGLETVSQ.TEKRRLLAKIINSRVSTITDEYLRAKDTNASLDGQYRAFLFN....	77
Acr00292	type II-C	.....	MFKRAIIFTSFNGFEKVSR.TEKRRLLAKIINSRVSTITDEYLRAKDTNASLDGQYRAFLFN....	77
Acr00301	type II-C	.....	.....DNASLDGQYRAFLFN....	34
Acr00298	type II-C	.....	MFKRAIIFTSFNGFEKVSR.TEKRQLAKIINSEVSIINEHLEAKATNASLDGQYRAFLFN....	77
Acr00173	type II-A	.....	MTITTAQKRYYDAMNEFEA.ITSKELEQTPEFSQDLLNDSDYLVITKNEYAYAAALCMLD....	76
Acr00175	type II-A	.....	MTITTAQKRYYDAMNEFEA.ITSKELEQTPEFSQDLLNDSDYLVITKNEYAYAAALCMLD....	76
Acr00163	type II-A	.....	MTITTAQKRYYDAMNEFEA.IISKELEQTPAFSQDLLNDSDYLVITKNEYAYAAALCMLD....	76
Acr00164	type II-A	.....	MTLTTAQKRYYDAMNEFEA.IISKELEQTRAFSQDLLNDSDYLVITKNEYAYADLCMLD....	76
Acr00162	type II-A	.....	MTITTAQKRYYDAMNEFEA.IISKELEQTPAFSQDLLNDSDYLVITKNEYAYAAALCMLD....	76
Acr00159	type II-A	.....	MTITTAQKRYYDAMNEFEA.IISKELEQTPAFSQDLLNDSDYLVITKNEYAYAAALCMLD....	76
Acr00161	type II-A	.....	MTLTTVQKRYYDAMNEFEA.ITSKELEQTPEFSQDLLNDSDYLVITKNEYAYAAALCMLD....	76
Acr00165	type II-A	KMTLTRAQKKYAEAMHEFIN.MVDDFEESTPDFAKEVLHDSYVVITKNEYAVALCSLSTDECEYDNLNLYLDEKLVDYSTVDV	83	
Acr00168	type II-A	.....	MTLTRAQKKYAEAMHEFIN.MVDDFEESTPDFAKEVLHDSYVVITKNEYAVALCSLSTDECEYDNLNLYLDEKLVDYSTVDV	82
Acr00170	type II-A	.....	MTLTRAQKKYAEAMHEFIN.MVDDFEESTPDFAKEVLHDSYVVITKNEYAVALCSLSTDECEYDNLNLYLDEKLVDYSTVDV	82
Acr00176	type II-A	.....	MTITTAQRKYNEAMHEFIN.MVDDFEESTPDFAKEVLHDSYVVITKNEYAVALCSLSTDECEYDNLNLYLDEKLVDYSTVDV	82
Acr00174	type II-A	.....	MTITTAQRKYNEAMHEFIN.MVDDFEESTPDFAKEVLHCDYVVITKNEYAVALCTLSLSTDECEYDNLNLYLDEKLVDYSTVNV	82
Acr00169	type II-A	.....	.....MHEFIN.MVDDFEESTPDFAKEVLHDSYVVITKNEYAVALCSLSTDECEYDNLNLYLDEKLVDYSTVDV	69
Acr00167	type II-A	.....	MTITTAQKKYAEAMHEFIN.MVDDFEESTPDFAKEVLHDSYVVITKNEYAVALCSLSTDECEYDNLNLYLDEKLVDYSTVDV	82
Acr00166	type II-A	.....	MTITRAQKKYAEAMHEFIN.MVDDFEESTPDFAKEVLHDSYVVITKNEYAVALCSLSTDECEYDNLNLYLDEKLVDYSTVDV	82
Acr00160	type II-A	.....	MTLTRAQKKYAEAMHEFIN.MVDDFEESTPDFAKEVLHDSYVVITKNEYAVALCSLSTDECEYDNLNLYLDEKLVDYSTVDV	82
Acr00177	type II-A	.....	MTLTRAQKKYAEAMHEFIN.MVDDFEESTPDFAKEVLHDSYVVITKNEYAVALCSLSTDECEYDNLNLYLDEKLVDYSTVDV	82
Acr00171	type II-A	.....	MTLTRAQKKYAEAMHEFIN.MVDDFEESTPDFAKEVLHDSYVVITKNEYAVALCSLSTDECEYDNLNLYLDEKLVDYSTVDV	82
Acr00172	type II-A	.....	MTTARKKFYQAISEFEA.MTGKDVERTPQIADEVINDAEYIAFTKTEKYALYLCTS NVEG..LEDRYFLDEECDSTFLET	78
Acr00198	type II-A	.....	.....MNINELIREIKNKDY TAKLSGTDSNSTQQLIR.....	46
Acr00197	type II-A	.....	.....MNINELIREIKNKDY TAKLSGTDSNSTAQQLIR.....	46
Acr00195	type II-A	.....	.....MNINELIREIKNKDY TAKLSGTDSNSTQQLIH.....	46
Acr00192	type II-A	.....	.....MNINDLIREIKNKDYTVKLSGTDSNSTQQLIR.....	46
Acr00199	type II-A	.....	.....GSMNINDLIREIKNKDYTVKLSGTDSNSTQQLIR.....	48
Acr00196	type II-A	.....	.....MNISELIREIKNKDYAVRIEGTDNSITKLIID.....	46
Acr00206	type II-A	.....	...MKGTEHFQKTTIKEYLDGRAQTDELFAVS YAKENKNLDDCITFILNQVKASGCCGMTDDEVWSLA IHYYDENIDVGNPIS	80
Acr00320	type VI-A	.....	...MERNFKKVTENTGRKEVFVKVMHDKVEIINDFNTNEKREARITPHDQKIYVILYQNIN....	76
Acr00096	type I-F	.....	.....MNNVT..LEYSVTNPDSFGV.....	32
Acr00284	type II-C	.....	...MDEIEDLSDLPMPRFIWGFVAAGRSGEVTHDEFEYITHTRSPRTCRVVEED.....	71
consensus		*	* ** * * * *	

logo

logo				EG ST	ETYY AS	Y N	V E	ETNE DAVETN		DDLE SE	ATD L	EDKEK EEDF	SD E	Q E		JLLK VNTL	SELN ETFK	
Acr00299	type	II-C	ST	..	AGIN	DAWEIEE	E	.....	SEYVRLPVE	QK	DFLAAAA	.....	NGKEIFKI	.....				117
Acr00295	type	II-C	ST	..	AGIN	DAWEIEE	E	.....	SEYVRLPVE	QK	DFLAAA	.....	NGKEIFKI	.....				116
Acr00297	type	II-C	ST	..	AGIN	DAWEIEE	E	.....	SEYVRLPVE	QK	DFLAAA	.....	NGKEIFKI	.....				138
Acr00296	type	II-C	ST	..	AGIN	DAWEIEE	E	.....	SEYIRLPVE	QK	DFLAAA	.....	NGKEIFKI	.....				116
Acr00293	type	II-C	ST	..	AGIN	DAWEIEE	E	.....	SEYVRLPVE	ERR	DFLAAA	.....	NGKEIFKI	.....				116
Acr00294	type	II-C	ST	..	AGIN	DAWEIEE	E	.....	SEYNSLPLKQK	DFLAAA	.....	NGKEIFKI	.....					116
Acr00292	type	II-C	ST	..	AGIN	DAWEIEE	E	.....	SEYNSLPLKQK	DFLAAA	.....	NGKEIFKI	.....					116
Acr00301	type	II-C	ST	..	AGIN	DAWEIEE	E	.....	SEYNSLPLKQK	DFLAAA	.....	NGKEIFKI	.....					73
Acr00298	type	II-C	ST	..	AGIN	DAWEIEE	E	.....	SEYNSLPLKQK	DFLAAA	.....	NGKEIFKI	.....					116
Acr00173	type	II-A	EG	..	ETYY	NFVVTNE	E	.....	DDFKLATD	KD	KEKHDKQE	.....	VIIKSELN	.....				116
Acr00175	type	II-A	EG	..	EIYY	NFVVTNE	E	.....	DDFKLATD	KD	KEKHDKQE	.....	VIVKSELN	.....				116
Acr00163	type	II-A	ED	..	ETYY	NFVVTNE	E	.....	DDFKLATD	ED	KEKHDKQE	.....	VIIKSELN	.....				116
Acr00164	type	II-A	ED	..	ETYY	NFVVTNE	E	.....	DDFKLATD	ED	KEKHDRQE	.....	VIIKSELN	.....				116
Acr00162	type	II-A	ED	..	ETYY	NFVVTNE	E	.....	DDFKLATD	ED	KEKHDKQE	.....	VIIKSELN	.....				116
Acr00159	type	II-A	ED	..	ETYY	NFVVTNE	E	.....	DDFKLATD	ED	KEKHDKQE	.....	VIIKSELN	.....				116
Acr00161	type	II-A	ED	..	ETYY	NFVVTNE	E	.....	DDFKLATD	ED	KEKHDKQE	.....	VIIKSELN	.....				116
Acr00165	type	II-A	NG	..	VTYY	NIVETNDI	E	.....	DDLEIATD	ED	EMKSGNQE	.....	VIIKSELN	.....				124
Acr00168	type	II-A	NG	..	VTYY	NIVETNDI	E	.....	DDLEIATD	ED	EMKSGNQE	.....	VIIKSELN	.....				123
Acr00170	type	II-A	NG	..	VTYY	NIVETNDI	E	.....	DDLEIATD	ED	EMKSGNQE	.....	VIIKSEL	.....				122
Acr00176	type	II-A	NG	..	VTYY	NIVETNDI	E	.....	DDLEIATD	ED	EMKSGNQE	.....	VIIKSELK	.....				123
Acr00174	type	II-A	NG	..	VTYY	NIVETNDI	E	.....	DDLEIATD	ED	EMKSDNQK	.....	VIIKSELK	.....				123
Acr00169	type	II-A	NG	..	VTYY	NIVETNDI	E	.....	DDLEIATD	ED	EMKSGNQE	.....	VIIKSELK	.....				110
Acr00167	type	II-A	NG	..	VTYY	NIVETNDI	E	.....	DDLEIATD	ED	EMKSGNQE	.....	VIIKSELK	.....				123
Acr00166	type	II-A	NG	..	VTYY	NIVETNDI	E	.....	DDLEIATD	ED	EMKSGNQE	.....	VIIKSELK	.....				123
Acr00160	type	II-A	NG	..	VTYY	NIVETNDI	E	.....	DDLEIATD	ED	EMKSGNQE	.....	VIIKSELK	.....				123
Acr00177	type	II-A	NG	..	VTYY	NIVETKDI	E	.....	DDLEIATD	ED	EMKSDNQE	.....	VIIKSELK	.....				123
Acr00171	type	II-A	NG	..	VTYY	NIVETKDI	E	.....	DDLEIATD	ED	KEKHDKQE	.....	VIIKSELN	.....				123
Acr00172	type	II-A	EDN	..	ETYY	IHFLQET	FSEDDNED	ELPLATE	EQ	IAYDKQEELKA	VIIKSELN							130
Acr00198	type	II-A	EN	..	ESIVEKFISAFK			.....	NGWNQEY	ED	EEEFYNDMQT	.....	VIIKSELN	.....				87
Acr00197	type	II-A	EN	..	ESIVEKFISAFK			.....	NGWNQEY	ED	EEEFYNDMQT	.....	VIIKSELN	.....				87
Acr00195	type	II-A	EN	..	ESIVEKFISAFK			.....	NGWNQEY	ED	EEEFYNDMQT	.....	VIIKSELN	.....				87
Acr00192	type	II-A	EN	..	ESIVEKFISAFK			.....	NGWNQEY	ED	EEEFYNDMQT	.....	VIIKSELN	.....				87
Acr00199	type	II-A	EN	..	ESIVEKFISAFK			.....	NGWNQEY	ED	EEEFYNDMQT	.....	VIIKSELN	.....				89
Acr00196	type	II-A	KN	..	ESIAEKFASTFK			.....	NGWNKEY	ED	EEEFYNDMQS	.....	VIIKSELN	.....				87
Acr00206	type	II-A	CG	..	VVVNHKVELTE	EKAQARKEALKAYQ	EEEMRKIQRRH	SKPKPTAK	AAQSNQTELSL	FDF								141
Acr00320	type	VI-A	GKN	..	TFFEFKLNKNNLI			.....	YHLQVWNII	ENKKFKSKS	..	ISLVKAT	SSKAGV	.....				124
Acr00096	type	I-F	DD	..	FAYSYKLKRS	DL	.....	PD	SVLATREAA	ENLQ	PGE	..	WITVSHS	IAA	.....			75
Acr00284	type	II-C	DDPRRMFY		TDAGMALVN			.....	FAMFDKMP	ERQKLKQIC	DDAIANWML	RR	FLEE	EGEGEDDEE				130
consensus					*		*		*		***	*		*	*	*	*	

- ☐ non conserved
- ☒ similar
- ☒ ≥ 50% conserved