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Acr00282	type	II-C	.....	MDEIE	.DLS	DL	PM	PR	FI	WG	F	AVI	AG	KG	GE	VM	H	DE	F	E	Y	L	T	H	T	R	S	P	R	F	T	C	R	V	E	L	E	D	M	P	A	E	S	E	E	D	A	I	D	G	R	I	V	H	D	D	D	P	S	R	M	F	Y	I	T	D	A	G	M	A	L	V	N	F	H	L	F	D	K	M	P	D	K		99																																																																																																																																																																																																							
Acr00279	type	II-C	.....	MDEIE	.DLS	DL	PM	PR	FI	WG	F	AVI	AG	KG	GE	VM	H	DE	F	E	Y	L	T	H	T	R	S	P	R	F	T	C	R	V	E	L	E	D	M	P	A	E	S	E	E	D	A	I	D	G	R	I	V	H	D	D	D	P	S	R	M	F	Y	I	T	D	A	G	M	A	L	V	N	F	Q	L	F	D	K	M	P	D	K		99																																																																																																																																																																																																							
Acr00280	type	II-C	.....	MDEIE	.DLS	DL	PM	PR	FI	WG	F	AVI	AG	KG	GE	VM	H	DE	F	E	Y	L	T	H	T	R	S	P	R	F	T	C	R	V	E	L	E	D	M	P	A	E	S	E	E	D	A	I	D	G	R	I	V	H	D	D	D	P	S	R	M	F	Y	I	T	D	A	G	M	A	L	V	N	F	H	L	F	D	K	M	P	D	K		99																																																																																																																																																																																																							
Acr00278	type	II-C	.....	MDEIE	.DLS	DL	PM	PR	FI	WG	F	AVI	AG	KG	GE	VM	H	DE	F	E	Y	L	T	H	T	R	S	P	R	F	T	C	R	V	E	L	E	D	M	P	A	E	S	E	E	D	A	I	D	G	R	I	V	H	D	D	D	P	S	R	M	F	Y	I	T	D	A	G	M	A	L	V	N	F	Q	L	F	D	K	M	P	D	K		99																																																																																																																																																																																																							
Acr00271	type	II-C	.....	MDEIE	.DLS	DL	PM	PR	FI	WG	F	AVI	AG	KG	GE	VM	H	DE	F	E	Y	L	T	H	T	R	S	P	R	F	T	C	R	V	E	L	E	D	M	P	A	E	S	E	E	D	A	I	D	G	R	I	V	H	D	D	D	P	S	R	M	F	Y	I	T	D	A	G	M	A	L	V	N	F	Q	L	F	D	K	M	P	D	K		99																																																																																																																																																																																																							
Acr00283	type	II-C	.....	MDEIE	.DLS	DL	PM	PR	FI	WG	F	AVI	AG	KG	GE	VM	H	DE	F	E	Y	L	T	H	T	R	S	P	R	F	T	C	R	V	E	L	E	D	M	P	A	E	S	E	E	D	A	I	D	G	R	I	V	H	E	D	D	P	S	R	M	F	Y	I	T	D	A	G	M	A	L	V	N	F	Q	L	F	D	R	M	P	D	K		99																																																																																																																																																																																																							
Acr00281	type	II-C	.....	MDEIE	.DLS	DL	PM	PR	FI	WG	F	AVI	AG	KG	GE	VM	H	DE	F	E	Y	L	T	H	T	R	S	P	R	F	T	C	R	V	E	L	E	D	M	P	A	E	S	E	E	D	A	I	D	G	R	I	V	H	E	D	D	P	S	R	M	F	Y	I	T	D	A	G	M	A	L	V	N	F	Q	L	F	D	K	M	P	D	K		99																																																																																																																																																																																																							
Acr00276	type	II-C	.....	MDEIE	.DLS	DL	PM	PR	FI	WG	F	AVI	AG	KG	GE	VM	H	DE	F	E	Y	L	T	H	T	R	S	P	R	F	T	C	R	V	E	L	E	D	M	P	A	E	S	E	E	D	A	I	D	G	R	I	V	H	E	D	D	P	S	R	M	F	Y	I	T	D	A	G	M	A	L	V	N	F	Q	L	F	D	K	M	P	D	K		99																																																																																																																																																																																																							
Acr00272	type	II-C	.....	MDEIE	.DLS	DL	PM	PR	FI	WG	F	AVI	AG	KG	GE	VM	H	DE	F	E	Y	L	T	H	T	R	S	P	R	F	T	C	R	V	E	L	E	D	M	P	A	E	S	E	E	D	A	I	D	G	R	I	V	H	E	D	D	P	R	M	F	Y	I	T	D	A	G	M	A	L	V	N	F	Q	L	S	D	K	M	P	D	K		99																																																																																																																																																																																																								
Acr00270	type	II-C	.....	MDEIE	.DLS	DL	PM	PR	FI	WG	F	AVI	AG	KG	GE	VM	H	DE	F	E	Y	L	T	H	T	R	S	P	R	F	T	C	R	V	E	L	E	D	M	P	A	E	S	E	E	D	A	I	D	G	R	I	V	H	D	D	P	R	M	F	Y	I	T	D	A	G	M	A	L	V	N	F	Q	L	F	D	K	M	P	D	K		99																																																																																																																																																																																																									
Acr00263	type	II-C	.....	MDEIE	.DLS	DL	PM	PR	FI	WG	F	AV	AG	KG	GE	VM	H	DE	F	E	Y	L	T	H	T	R	S	P	R	F	T	C	R	V	E	L	E	D	V	P	A	D	N	G	E	D	D	I	D	G	R	I	V	H	D	E	P	R	R	L	F	Y	I	T	D	A	G	M	A	L	V	N	F	E	F	F	D	K	L	P	E	K		99																																																																																																																																																																																																								
Acr00284	type	II-C	.....	MDEIE	.DLS	DL	PM	PR	FI	WG	F	A	V	A	A	G	R	S	G	E	V	L	H	D	E	F	E	Y	L	T	H	T	R	S	P	R	F	T	C	R	V	E	L	E	D	V	P	T	D	N	D	E	G	G	I	D	G	R	I	V	H	P	D	D	P	R	M	F	Y	I	T	D	A	G	M	A	L	V	N	F	A	M	F	D	K	M	P	E	R		99																																																																																																																																																																																																	
Acr00267	type	II-C	.....	MDEID	.DLS	DL	PM	PR	FI	WG	F	A	I	F	T	P	K	G	GE	VM	H	DE	F	E	Y	L	T	H	T	R	S	P	R	F	T	C	R	V	E	L	E	D	M	P	A	D	S	E	E	N	G	I	D	G	R	I	V	H	Y	D	E	P	G	R	L	F	Y	I	T	D	A	G	L	A	L	V	N	F	E	L	F	D	S	L	P	D	K		99																																																																																																																																																																																																			
Acr00248	type	II-C	.....	MDEID	.DLS	DL	PM	PR	FI	WG	F	A	I	F	T	P	K	G	GE	VM	H	DE	F	E	Y	L	T	H	T	R	S	P	R	F	T	C	R	V	E	L	E	D	M	P	A	D	S	E	E	S	G	I	D	G	R	I	V	H	Y	D	E	P	G	R	L	F	Y	I	T	D	A	G	L	A	L	V	N	F	E	L	F	D	N	L	P	D	K		99																																																																																																																																																																																																			
Acr00260	type	II-C	.....	MDEID	.DLS	DL	PM	PR	FI	WG	F	A	I	F	T	P	K	G	GE	VM	H	DE	F	E	Y	L	T	H	T	R	A	P	R	F	T	C	R	V	E	L	E	D	M	P	V	D	S	E	E	S	G	I	D	G	R	I	V	H	Y	D	E	P	G	R	L	F	Y	I	S	D	A	G	I	A	L	V	N	F	E	L	F	D	K	V	P	E	K		99																																																																																																																																																																																																			
Acr00261	type	II-C	.....	MDEID	.DLS	DL	PM	PR	FI	WG	F	A	I	F	T	P	K	G	GE	VM	H	DE	F	E	Y	L	T	H	T	R	A	P	R	F	T	C	R	V	E	L	E	D	M	P	V	D	S	E	E	T	G	I	D	G	R	I	V	H	Y	D	E	P	G	R	L	F	Y	I	S	D	A	G	I	A	L	V	N	F	E	L	F	D	K	V	P	E	K		99																																																																																																																																																																																																			
Acr00259	type	II-C	.....	MDEID	.DLS	DL	PM	PR	FI	WG	F	A	I	F	T	P	K	G	GE	VM	H	DE	F	E	Y	L	T	H	T	R	A	P	R	F	T	C	R	V	E	L	E	D	M	P	V	D	S	E	E	S	G	I	D	G	R	I	V	H	Y	D	E	P	G	R	L	F	Y	I	S	D	A	G	I	A	L	V	N	F	E	L	F	D	K	V	P	E	K		99																																																																																																																																																																																																			
Acr00273	type	II-C	.....	MDEID	.DLS	DL	PM	PR	FI	WG	F	A	I	A	T	G	K	G	GE	VM	H	DE	F	E	Y	L	T	H	T	R	S	P	R	F	T	C	R	V	E	L	E	D	M	P	T	S	E	S	G	I	D	G	R	I	V	H	Y	D	D	P	A	R	L	F	Y	I	T	D	A	G	M	A	L	V	N	F	E	L	F	D	K	L	P	D	R		99																																																																																																																																																																																																					
Acr00277	type	II-C	.....	MDEID	.DLS	DL	PM	PR	FI	WG	F	A	I	A	T	G	K	G	GE	VM	H	DE	F	E	Y	L	T	H	T	R	S	P	R	F	T	C	R	V	E	L	E	D	M	P	T	S	E	S	D	S	I	D	G	R	I	V	H	Y	D	D	P	A	R	L	F	Y	I	T	D	A	G	M	A	L	V	N	F	E	L	F	D	K	L	P	D	R		99																																																																																																																																																																																																				
Acr00096	type	I-F	.....	MNNVT	L	E	Y	S	V	V	T	N	P	D	S	F	V	G	F	K	Y	Y	V	K	A	G	Q	A	F	D	D	D	F	A	S	.....	Y	K	L	R	S	D	L	.....	P	D	S	V	L	A	T	R	E	A	A	N	L	Q	.....	P	..		63																																																																																																																																																																																																																													
Acr00095	type	I-F	.....	MNNVT	L	E	Y	S	V	V	T	N	P	D	S	F	V	G	F	K	Y	Y	V	K	A	G	Q	A	F	D	D	F	A	S	.....	Y	K	L	N	R	S	D	L	.....	P	D	S	V	L	A	T	R	E	A	A	N	L	Q	.....	P	..		63																																																																																																																																																																																																																													
Acr00295	type	II-C	.....	MFKRA	I	I	F	T	S	F	N	G	L	E	T	V	S	....	Q	T	E	K	R	Q	L	A	K	I	I	N	S	E	V	S	I	I	N	E	H	L	E	A	K	A	T	N	A	S	D	G	Q	Y	R	A	F	L	F	N	D	E	S	P	A	M	T	E	F	L	A	K	L	K	A	F	A	E	S	T	A	G	I	N	I	D	A	W	E	I	E	E	..	S	E	Y		94																																																																																																																																																																																												
Acr00299	type	II-C	.....	MFKRA	I	I	F	T	S	F	N	G	L	E	T	V	S	....	Q	T	E	K	R	Q	L	A	K	I	I	N	S	E	V	S	I	I	N	E	H	L	E	A	K	A	T	N	A	S	D	G	Q	Y	R	A	F	L	F	N	D	E	S	P	A	M	T	E	F	L	A	K	L	K	A	F	A	E	S	T	A	G	I	N	I	D	A	W	E	I	E	E	..	S	E	Y		94																																																																																																																																																																																												
Acr00301	type	II-C	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

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Acr00282	type II-C	QKFKRICDEAIANWMLRRE...FLDD.EEED...	126	
Acr00279	type II-C	QKFKRICDEAIANWMLRRE...FLDD.EEED...	126	
Acr00280	type II-C	QKFKRICDEAIANWMLRRE...FLDE.EEED...	126	
Acr00278	type II-C	QKFKRICDEAIANWMLRRE...FLDE.EEED...	126	
Acr00271	type II-C	QKLKRICDEAIANWMLRRE...FLDE.EEDD...	126	
Acr00283	type II-C	QKFKRICDEAIANWMLRRE...FLDE.EED...	125	
Acr00281	type II-C	QKFKRICDEAIANWMLRRE...FLDE.EED...	125	
Acr00276	type II-C	QKFKRICDEAIANWMLRRE...FLDE.EEED...	126	
Acr00272	type II-C	QKFKRICDEAIANWMLRRE...FLDE.EEED...	126	
Acr00270	type II-C	QKFKRICDEAIANWMLRRE...FLDE.EDED...	126	
Acr00263	type II-C	AKLKKVCDEAIANWMLRRE...FLDE.EEED...	126	
Acr00284	type II-C	QKLKQICDDAIANWMLRRE...FLEEGERGEDDEE	130	
Acr00267	type II-C	NKLKKVCDEAITNWLLRRD...FLESEEDEED..	128	
Acr00248	type II-C	NKLKKVCDEAIENWLLRRD...FLDSEEGEED..	128	
Acr00260	type II-C	QKLKKICDEAIENWMLRRD...FLDSEEGEED..	128	
Acr00261	type II-C	QKLKKICDEAIENWMLRRD...FLDSEEGEED..	128	
Acr00259	type II-C	QKLKKICDEAIENWMLRRD...FLDSEEGEED..	128	
Acr00273	type II-C	QKLKKVCDEAIRNWMIRRD...FLDSEDDDED...	127	
Acr00277	type II-C	QKLKKVCDEAIRNWMIRRD...FLDSEDDDED...	127	
Acr00096	type I-F	.....GEWLTVSH...SIAA.....	75	
Acr00095	type I-F	.....GEWLTVSH...SIAA.....	75	
Acr00295	type II-C	VRLPVEQKDFLAAA.NGKE...IFKI.....	116	
Acr00299	type II-C	VRLPVEQKDFLAAAANGKE...IFKI.....	117	
Acr00301	type II-C	NSLPLKQKDFLAAA.NGKE...IFKI.....	73	
Acr00169	type II-A	DDLEIATDEDEMKSGNQE...IILKSELK.....	110	
Acr00176	type II-A	DDLEIATDEDEMKSGNQE...IILKSELK.....	123	
Acr00166	type II-A	DDLEIATDEDEMKSGNQE...IILKSELK.....	123	
Acr00167	type II-A	DDLEIATDEDEMKSGNQE...IILKSELK.....	123	
Acr00168	type II-A	DDLEIATDEDEMKSGNQE...IILKSELN.....	123	
Acr00165	type II-A	DDLEIATDEDEMKSGNQE...IILKSELN.....	124	
Acr00170	type II-A	DDLEIATDEDEMKSGNQE...IILKSEL.....	122	
Acr00160	type II-A	DDLEIATDEDEMKSGNQE...IILKSELK.....	123	
Acr00177	type II-A	DDLEIATDEDEMKSDNQE...IILKSELK.....	123	
Acr00171	type II-A	DDLEIATDEDKEKHDKQE...VILKSELN.....	123	
Acr00174	type II-A	DDLEIATDEDEMKSDNQK...IILKSELK.....	123	
Acr00173	type II-A	DDFKLATDKDKEKHDKQE...VILKSELN.....	116	
Acr00175	type II-A	DDFKLATDKDKEKHDKQE...VIVKSELN.....	116	
Acr00162	type II-A	DDFKLATDEDKEKHDKQE...VILKSELN.....	116	
Acr00159	type II-A	DDFKLATDEDKEKHDKQE...VILKSGLN.....	116	
Acr00163	type II-A	DDFKLATDEDKEKHDKQE...VILKSELN.....	116	
Acr00164	type II-A	DDFKLATDEDKEKHDRQE...VILKSELN.....	116	
Acr00161	type II-A	DDFKLATDEDKEKHDKQE...VILKSELN.....	116	
Acr00172	type II-A	DELPLATEEQIEAYDKQELKAVILKKELN.....	130	
Acr00192	type II-A	NGWNQEYEDDEEFYNDMQT...ITLKSELN.....	87	
Acr00199	type II-A	NGWNQEYEDDEEFYNDMQT...ITLKSELN.....	89	
Acr00198	type II-A	NGWNQEYEDDEEFYNDMQT...ITLKSELN.....	87	
Acr00197	type II-A	NGWNQEYEDDEEFYNDMQT...ITLKSELN.....	87	
Acr00195	type II-A	NGWNQEYEDDEEFYNDMQT...ITLKSELN.....	87	
Acr00196	type II-A	NGWNQEYEDDEEFYNDMQS...IILKSELN.....	87	
Acr00320	type VI-A	KKFKSKSISLLVKALSSKAG...V.....	124	
Acr00123	type I-F	.SLFIAPPDCTYEFDI.....	93	
consensus				

 non conserved  
 similar  
  $\geq 50\%$  conserved