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Acr00152	type II-AMNIKLLDEFLK.....	KHDLTRYQLSKLTGISQNTLNDYNKKELNKYSVSFLRALSMCTGISTFDVFIELAELEKSYYDD	74
Acr00139	type II-A	.....MTIKLLDEFLK.....	KHDLTRYQLSKLTGISQNTLNDYNKKELNKYSVSFLRALSMCTGISTFDVFIELAELEKSYYDD	74
Acr00138	type II-A	.....MSIKLLDEFLK.....	KHNKTRYQLSKLTGISQNTLNDYNKKELNKYSVSFLRALSMCTGISTFDVFIELAELEKSHDD	74
Acr00337	type VI-B	MDRLSIYELLSSFVVPGVIMIELINFSAEYVFGKAPLITAGNLSDGGLFFAIALFIGCLIHIITFWLIKRWYKKLACTPMDKMKNDEYITEILPDKEIYRANKG		105
Acr00339	type VI-B	.....MIELINFSAEYVFGKAPLITAGNLSDGGLFFAIALFIGCLIHIITFWLIKRWYKKLACTPMDKMKNDEYITEILPDKEIYRANKG		87
Acr00260	type II-C	.....MDEIDDLSDLPMPRFIWGFAIFTPKGGE..VMHDEFEYLTHTRAPRFTCR		48
Acr00259	type II-C	.....MDEIDDLSDLPMPRFIWGFAIFTPKGGE..VMHDEFEYLTHTRAPRFTCR		48
Acr00261	type II-C	.....MDEIDDLSDLPMPRFIWGFAIFTPKGGE..VMHDEFEYLTHTRAPRFTCR		48
Acr00248	type II-C	.....MDEIDDLSDLPMPRFIWGFAIFTPKGGE..VMHDEFEYLTHTRSPRFTCR		48
Acr00289	type II-C	.....MFKRATIFTSFNGF..EKVSRTEKRRLAKTINARVS		34
Acr00304	type II-C	.....MAFKRAIFTSFNCF..EKVSRTEKRRLAKTINARVS		35
Acr00303	type II-C	.....MFKRATIFTSFNGF..EKVSRTEKRRLAKTINRVRS		34
Acr00295	type II-C	.....MFKRATIFTSFNGL..ETVSQTEKRQLAKTINSEVS		34
Acr00299	type II-C	.....MFKRATIFTSFNGL..ETVSQTEKRQLAKTINSEVS		34
Acr00297	type II-C	.....MDRQQACHRHLDGFKDKRKDFKMFKRATIFTSFNGL..ETVSQTEKRQLAKTINSEVS		56
Acr00296	type II-C	.....MFKRATIFTSFNGL..ETVSQTEKRQLAKTINSEVS		34
Acr00292	type II-C	.....MFKRATIFTSFNGF..EKVSRTEKRRLAKTINSRVS		34
Acr00301	type II-C	.....		0
Acr00294	type II-C	.....MFKRATIFTSFNGL..ETVSQTEKRRLAKTINSRVS		34
Acr00298	type II-C	.....MFKRATIFTSFNGF..EKVSQTEKRQLAKTINSEVS		34
Acr00300	type II-C	.....MFKRATIFTSFNGL..ETVSQTEKRQLAKTINSEVS		34
Acr00291	type II-C	.....MFKRATIFTSFNGL..ETVSQTEKRQLAKTINSEVS		34
Acr00293	type II-C	.....MFKRATIFTSFNGF..EKVSRTEKRRLAKTINSEVS		34
Acr00290	type II-C	.....MFKRATIFTSFNGF..EKVSRTEKRRLAKTINSEVS		34
Acr00302	type II-C	.....MFKRATIFTSFNGF..EKVSRTEKRRLAKTINSRVS		34
Acr00021	type I-D	.....MNGQELSQKIISVVDRDNLNQFVRKVLRKTKKELTFS EKQLKEIVEKIMEYYGINSN		57
Acr00115	type I-FMSMELFHGSYEIEIRDSGVFEGGLFGAHEKETA...LSHGTELHRITISPLPLTDY		53
consensus			***** ** * * * * *	

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		LUN		EHLAKTNASLDGQYRAFLFNDESPAMTEFLAK		LKAFAESTAGINIDAWETEESYVRLPVERRDFLAAA NGKEIFKI			
		KCTENISNGSVFDTAFKHLDDKHKLSFPAQEFELVCLIKEFESANIEVLP...FTFNRFENEEHADIEKDVKKALNNAIA.....VLKAKKEEL....		KCTENISNGSVFDTAFKHLDDKHKLSFPAQEFELVCLIKEFESANIEVLP...FTFNRFENEEHADIEKDVKKALNNAIA.....VLKAKKEEL....		KCTENISNGSVFDTAFKHLDDKHKLSFPAQEFELVCLIKEFESANIEVLP...FTFNRFENEEHADIEKDVKKALNNAIA.....VLKAKKEEL....			
Acr00152	type II-A	LAG	.....FKH	LDKHKLSFPAQEFELVCLIKEFESANIEVLP	.....FTFNRFENEEHADIEKDVKKALNNAIA	.....VLKAKKEEL	....	149	
Acr00139	type II-A	LAG	.....FKH	LDKHKLSFPAQEFELVCLIKEFESANIEVLP	.....FTFNRFENEEHADIEKDVKKALNNAIA	.....VLKAKKEEL	....	149	
Acr00138	type II-A	LAG	.....FKH	LDKHKLSFPAQEFELVCLIKEFESANIEVLP	.....FTFNRFENEEHADIEKDVKKALNNAIA	.....VLKAKKEEL	....	149	
Acr00337	type VI-B	ISVTENISNGSVFDTAYYYLEAQQKISQAKNFQSIYFLFRNIVTLSLFLVPVSVIFLASFFMNDCSLSEKIITIIIGTFVLGGSSVIAQWFRVKMTDRIFGLY						210	
Acr00339	type VI-B	ISVTENISNGSVFDTAYYYLEAQQKISQAKNFQSIYFLFRNIVTLSLFLVPVSVIFLASFFMNDCSLSEKIITIIIGTFVLGGSSVIAQWFRVKMTDRIFGLY						192	
Acr00260	type II-C	VVEL	.....EDMPVDSEESGIDGRIVHYDEPGRLFYISDAGIA	.....LVNFELFDKVPEKQKLKKICDEAIENWMLRRDFLDSE	EGEED	.....	128		
Acr00259	type II-C	VVEL	.....EDMPVDSEESGIDGRIVHYDEPGRLFYISDAGIA	.....LVNFELFDKVPEKQKLKKICDEAIENWMLRRDFLDSE	EGEED	.....	128		
Acr00261	type II-C	VVEL	.....EDMPVDSEETGIDGRIVHYDEPGRLFYISDAGIA	.....LVNFELFDKVPEKQKLKKICDEAIENWMLRRDFLDSE	EGEED	.....	128		
Acr00248	type II-C	VVEL	.....EDMPADSEESGIDGRIVHYDEPGRLFYITDAGLA	.....LVNFELFDNLDPKKNLKKVCDENWMLRRDFLDSE	EGEED	.....	128		
Acr00289	type II-C	ITD	.....EYLRAKDTNASLDGQYRAFLFNDESPAMTEFLAK	.....LKAFAESCTGISIDAWETEESYVRLPVERRDFLAAA NGKEIFKI	..	116			
Acr00304	type II-C	ITD	.....EYLRAKDTNASLDGQYRAFLFNDESPAMTEFLAK	.....LKAFAESCTGISIDAWETEESYVRLPVERRDFLAAA NGKEIFKI	..	117			
Acr00303	type II-C	ITD	.....EYLRAKDTNASLDGQYRAFLFNDESPAMTEFLAK	.....LKAFAESCTGISIDAWETEESYVRLPVERRDFLAAA NGKEIFKI	..	116			
Acr00295	type II-C	ITN	.....EHLEAKATNASLDGQYRAFLFNDESPAMTEFLAK	.....LKAFAESTAGINIDAWETEESYVRLPVEQKDFLAAA NGKEIFKI	..	116			
Acr00299	type II-C	ITN	.....EHLEAKATNASLDGQYRAFLFNDESPAMTEFLAK	.....LKAFAESTAGINIDAWETEESYVRLPVEQKDFLAAAANGKEIFKI	..	117			
Acr00297	type II-C	ITN	.....EHLEAKATNASLDGQYRAFLFNDESPAMTEFLAK	.....LKAFAESTAGINIDAWETEESYVRLPVEQKDFLAAA NGKEIFKI	..	138			
Acr00296	type II-C	ITN	.....EHLEAKATNASLDGQYRAFLFNDESPAMTEFLAK	.....LKAFAESTAGINIDAWETEESYVRLPVEQKDFLAAA NGKEIFKI	..	116			
Acr00292	type II-C	ITD	.....EYLRAKDTNASLDGQYRAFLFNDESPAMTEFLAK	.....LKAFAESTAGINIDAWETEESYNSLPLKQKDFLAAA NGKEIFKI	..	116			
Acr00301	type II-C	ITD	.....DTNASLDGQYRAFLFNDESPAMTEFLAK	.....LKAFAESTAGINIDAWETEESYNSLPLKQKDFLAAA NGKEIFKI	..	73			
Acr00294	type II-C	ITD	.....EYLRAKDTNASLDGQYRAFLFNDESPAMTEFLAK	.....LKAFAESTAGINIDAWETEESYNSLPLKQKDFLAAA NGKEIFKI	..	116			
Acr00298	type II-C	ITN	.....EHLEAKATNASLDGQYRAFLFNDESPAMTEFLAK	.....LKAFAESTAGINIDAWETEESYNSLPLKQKDFLAAA NGKEIFKI	..	116			
Acr00300	type II-C	ITD	.....EYLRAKDTNASLDGQYRAFLFNDESPAMTEFLAK	.....LKAFA	.....	75			
Acr00291	type II-C	ITN	.....EHLEAKATNASLDGQYRAFLFNDESPAMTEFLAK	.....LKAFAESCTGISIDAWETEESYVRLPVERRDFLAAA NGKEIFKI	..	116			
Acr00293	type II-C	ITN	.....EHLEAKATNASLDGQYRAFLFNDESPAMTEFLAK	.....LKAFAESTAGINIDAWETEESYVRLPVERRDFLAAA NGKEIFKI	..	116			
Acr00290	type II-C	ITN	.....EHLEAKATNASLDGQYRAFLFNDESPAMTEFLAK	.....LKAFAESCTGISIDAWETEESYVRLPVERRDFLAAA NGKEIFKI	..	116			
Acr00302	type II-C	ITN	.....EHLKPKTPTHRIT.....VNTALSCSTNRP	.....	64				
Acr00021	type I-D	NIN	.....IFNDKIEFRFDYDFGTVEGIYHETRYRLFEK	.....RNNMLKLTKELEK	.....	107			
Acr00115	type I-F	AINYEIESAWEVALDVAGGDENVAEAIMAKACESDSNDGWELQRLRGVLAVRIGYTSVEMEDEHGTTLCLPGCTVEKI	132			
consensus		**	* * *	*** * *	* ***** *	* *	* * * *	* *	

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YAE ^{50%} EL ^{50%} TH ^{50%} NKK			
Acr00152	type	II-A	149
Acr00139	type	II-A	149
Acr00138	type	II-A	149
Acr00337	type	VI-B	219
Acr00339	type	VI-B	201
Acr00260	type	II-C	128
Acr00259	type	II-C	128
Acr00261	type	II-C	128
Acr00248	type	II-C	128
Acr00289	type	II-C	116
Acr00304	type	II-C	117
Acr00303	type	II-C	116
Acr00295	type	II-C	116
Acr00299	type	II-C	117
Acr00297	type	II-C	138
Acr00296	type	II-C	116
Acr00292	type	II-C	116
Acr00301	type	II-C	73
Acr00294	type	II-C	116
Acr00298	type	II-C	116
Acr00300	type	II-C	75
Acr00291	type	II-C	116
Acr00293	type	II-C	116
Acr00290	type	II-C	116
Acr00302	type	II-C	64
Acr00021	type	I-D	107
Acr00115	type	I-F	132
consensus			

- non conserved
- similar
- ≥ 50% conserved