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NTDB id 1245 Cj1673c YP 002345041.1MD	DNKRKSLDAALKSLDKT	FGKGTILRLGDK	.EVEQ	IDSIGTGSVGLDL	ALGIGGV	PKGRIT	61																																																												
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAID	EDKQKATISLAIKQ	IDKV	FGKGA	LVR	LGDK	.QVEKID	ISTGSLGLDL	ALGIGGV	PKGRIT	63																																																								
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAID	EDKQKATISLAIKQ	IDKV	FGKGA	LVR	LGDK	.QVEKID	ISTGSLGLDL	ALGIGGV	PKGRIT	63																																																								
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....MAKTETTSPN	DDKKKALAAVLEK	LDKT	YGKGT	VMK	LGDT	V	DHNI	EVIP	SGSLGLDL	ALGVGGY	PKGRIV	70																																																						
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENK	KSSKNNTVVKQVEP	EQQKQ	ALEA	ALA	LAQ	IEKQ	FGKGS	SIM	KL	GQT	.EQLD	IESV	STGSLGLDL	ALGIGGL	PMGRIV	78																																																			
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....MS	DDKSKALAAALAQ	IEKS	FGKGA	IMK	MDGS	Q	Q	EEN	LE	V	IST	G	S	L	G	L	D	L	AL	G	V	G	L	P	R	G	R	I	V	62																																				
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....MS	DDKSKALAAALAQ	IEKS	FGKGA	IMK	MDGS	Q	Q	EEN	LE	V	IST	G	S	L	G	L	D	L	AL	G	V	G	L	P	R	G	R	I	V	62																																				
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....MS	DDKSKALAAALAQ	IEKS	FGKGA	IMK	MDGS	Q	Q	EEN	LE	V	IST	G	S	L	G	L	D	L	AL	G	V	G	L	P	R	G	R	I	V	62																																				
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG	.....KKAASMSA	EKQKALAAALAQ	IEKQ	FGKGS	IMK	MGDA	.EVEP	V	Q	V	V	S	T	G	S	L	G	L	D	AL	G	V	G	L	P	R	G	R	V	70																																				
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MD	ENKQKALAAALGQ	IEKQ	FGKGS	SIM	RLGDN	.RAMD	VET	I	S	T	G	S	L	S	L	D	I	AL	G	A	G	G	L	P	M	G	R	I	V	61																																				
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MD	ENKQKALAAALGQ	IEKQ	FGKGS	SIM	RLGDN	.RAMD	VET	I	S	T	G	S	L	S	L	D	I	AL	G	A	G	G	L	P	M	G	R	I	V	61																																				
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MD	DNKSKALQAALSQ	IEKQ	FGKNT	VM	RLGDN	.TVQ	A	E	A	V	S	T	G	S	L	T	L	D	I	AL	G	I	G	L	P	K	G	R	I	V	61																																			
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....MD	ENKSKALQAALSQ	IEKQ	FGKNT	VM	RLGDN	.TVQ	A	E	A	V	S	T	G	S	L	T	L	D	I	AL	G	I	G	L	P	K	G	R	I	V	61																																			
NTDB id 1205 PSJM300 05545 AFN77183.1	.....MD	ENKKBALAAALGQ	IEKQ	FGKGA	V	M	R	M	G	D	H	.DRQA	I	P	S	I	S	T	G	S	L	G	L	D	I	AL	G	I	G	L	P	K	G	R	I	V	61																														
NTDB id 1313 DR RS12030 WP 010888966.1	.MSKD	...AT	.KEIS	A	P	T	D	A	K	E	R	S	K	A	I	E	T	A	M	S	Q	IEKA	F	G	K	G	S	I	M	K	L	G	A	E	.SKLD	V	Q	V	V	S	T	G	S	L	S	L	D	L	AL	G	V	G	G	I	P	R	G	R	I	T	74							
NTDB id 115 BSU 16940 NP 389576.2	.....MS	DRQAALDMALKQ	IEKQ	FGKGS	SIM	KL	G	E	K	.TD	T	R	I	S	T	V	P	S	G	S	L	A	L	D	T	AL	G	I	G	G	Y	P	R	G	R	I	T	60																													
NTDB id 197091 BHY08 RS02445 WP 071456359.1MS	DNRKAALDAALKK	IEKD	FGKGS	V	M	K	L	G	E	K	.V	D	T	Q	I	S	T	V	S	S	G	S	L	A	L	D	S	AL	G	V	G	G	Y	P	R	G	R	I	T	61																											
NTDB id 625 LCA RS02525 WP 011374196.1MAK	DERQAALDAALKK	IEKN	F	G	K	G	S	I	M	R	M	G	E	K	.V	D	T	Q	V	S	T	V	S	S	G	S	L	A	L	D	E	AL	G	V	G	G	Y	P	R	G	R	I	V	62																							
NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK	...KTN	F	D	D	I	T	K	K	Y	G	A	E	R	D	K	A	L	A	D	A	L	A	L	IEKD	F	G	K	G	S	L	M	R	L	G	E	A	.AN	Q	K	V	S	V	S	S	G	S	L	A	L	D	I	AL	G	A	G	G	Y	P	K	G	R	I	V	76			
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK	...PKK	L	E	E	I	S	K	K	F	G	A	E	R	E	K	A	L	N	D	A	L	K	L	IEKD	F	G	K	G	S	I	M	R	L	G	E	R	.AE	Q	K	V	Q	V	M	S	S	G	S	L	A	L	D	I	AL	G	S	G	G	Y	P	K	G	R	I	T	75		
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK	...PKK	L	E	E	I	S	K	K	F	G	A	E	R	E	K	A	L	N	D	A	L	K	L	IEKD	F	G	K	G	S	I	M	R	L	G	E	R	.AE	Q	K	V	Q	V	M	S	S	G	S	L	A	L	D	I	AL	G	S	G	G	Y	P	K	G	R	I	T	75		
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK	...PKK	L	E	E	I	S	K	K	F	G	A	E	R	E	K	A	L	N	D	A	L	K	L	IEKD	F	G	K	G	S	I	M	R	L	G	E	R	.AE	Q	K	V	Q	V	M	S	S	G	S	L	A	L	D	I	AL	G	S	G	G	Y	P	K	G	R	I	T	75		
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK	...PKK	L	E	E	I	S	K	K	F	G	A	E	R	E	K	A	L	N	D	A	L	K	L	IEKD	F	G	K	G	S	I	M	R	L	G	E	R	.AE	Q	K	V	Q	V	M	S	S	G	S	L	A	L	D	I	AL	G	S	G	G	Y	P	K	G	R	I	T	75		
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK	...PKK	L	D	E	I	S	K	K	F	G	A	E	R	E	K	A	L	N	D	A	L	K	L	IEKD	F	G	K	G	S	I	M	R	L	G	E	R	.AE	Q	K	V	Q	V	M	S	S	G	S	L	A	L	D	I	AL	G	S	G	G	Y	P	K	G	R	I	T	75		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK	...PKK	L	D	E	I	S	K	K	F	G	A	E	R	E	K	A	L	N	D	A	L	K	L	IEKD	F	G	K	G	S	I	M	R	L	G	E	R	.AE	Q	K	V	Q	V	M	S	S	G	S	L	A	L	D	I	AL	G	S	G	G	Y	P	K	G	R	I	T	75		
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK	...L	K	K	N	E	E	I	T	K	K	F	G	D	E	R	R	K	A	L	D	D	A	L	K	N	IEKD	F	G	K	G	A	V	M	R	L	G	E	R	.AE	Q	K	V	Q	V	M	S	S	G	S	L	A	L	D	I	AL	G	A	G	G	Y	P	K	G	R	I	T	75
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR	...I	K	K	T	E	E	I	T	K	K	F	G	D	E	R	K	A	L	D	D	A	L	K	N	IEKD	F	G	K	G	A	V	M	R	L	G	E	R	.AE	Q	K	V	Q	V	M	S	S	G	S	L	A	L	D	I	AL	G	A	G	G	Y	P	K	G	R	I	V	75	

consensus *** ** * **! *!*!***** * ****!*!*!*!*!*!*!*!*!*!*!*!*!*!*!*!

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consensus

- non conserved
- similar
- ≥ 50% conserved