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NTDB	id	1383	A4U84	RS08530	WP	005711781.1	.M	K	K	I	R	L	R	P	L	A	K	A	F	T	L	I	E	L	M	I	V	I	A	I	A	I	L	A	T	A	I	P	S	T	S	T	Y	T	Q	K	A	A	L	S	E	L	L	S	A	S	A	S	Y	K	S	D	V	E	I	C	I	Y	N	V	G	D	K	K	I	S	E	C	S	S	G		78																																																																																																																																																																																																																																																																																																																																																																								
NTDB	id	1292	VP	RS12235	WP	005479693.1	..	M	K	H	S	K	Q	K	K	Q	Q	G	F	T	L	I	E	L	M	I	V	V	A	I	G	V	L	A	A	A	I	P	A	Y	Q	N	Y	V	T	R	S	E	V	I	S	G	L	A	T	V	K	A	L	I	P	A	E	L	H	Y	C	E	N	G	I	A	A	A		TL	73																																																																																																																																																																																																																																																																																																																																																																														
NTDB	id	1038	HON27	RS01510	WP	000993725.1		M	N	A	Q	K	G	F	T	L	I	E	L	M	I	V	V	A	I	G	I	L	A	A	I	A	I	P	Q	Y	Q	N	Y	I	A	K	S	Q	N	S	C	F	S	E	I	S	S	I	K	T	G	Y	E	N	A	V	N	E	G	A	V	P	T	K	L	S	D	V		69																																																																																																																																																																																																																																																																																																																																																																															
NTDB	id	1192	PKAF	RS23870	WP	0024947914.1		M	K	A	Q	K	G	F	T	L	I	E	L	M	I	V	V	A	I	G	I	L	A	A	I	A	I	P	Q	Y	Q	N	Y	I	V	A	R	S	E	G	A	L	A	S	V	N	P	L	K	T	V	E	E	A	L	S	R	G	V	S	V	K	S	G	T	G	T	E	D	A	T	K	K	E		76																																																																																																																																																																																																																																																																																																																																																																									
NTDB	id	1197	PSJM300	03940	AFN	76866.1		M	K	A	Q	M	Q	K	G	F	T	L	I	E	L	M	I	V	V	A	I	G	I	L	A	A	I	A	I	P	Q	Q	D	Y	T	V	R	S	N	A	A	A	A	L	A	E	I	T	P	G	K	I	G	F	E	Q	A	I	N	E	G	K	T	P	S	L	T	S	T	D	E		72																																																																																																																																																																																																																																																																																																																																																																												
NTDB	id	1204	PSJM300	03935	AFN	76865.1		M	K	P	V	K	S	S	C	R	G	F	S	L	I	E	L	M	I	V	V	A	I	G	I	L	A	A	I	A	I	P	A	Y	Q	N	Y	T	V	R	S	T	A	A	S	A	L	A	E	I	T	P	K	A	A	F	E	Q	A	I	S	E	G	H	T	P	S	L	V	S	S	L	P		74																																																																																																																																																																																																																																																																																																																																																																										
NTDB	id	1191	AAC28468.1	484..945()				M	L	K	K	V	Q	K	G	F	T	L	I	E	L	M	I	V	I	A	I	G	I	L	A	A	I	A	I	P	A	Y	Q	D	Y	T	A	R	A	Q	A	T	E	G	F	K	A	T	A	G	L	Q	I	D	I	G	A	W	R	A	D	R	G	S	F	P	N	A	A	A	L	V	A	G		74																																																																																																																																																																																																																																																																																																																																																																									
NTDB	id	1424	RS	RS02795	WP	011000517.1	M	K	S	M	R	H	L	N	K	R	V	Q	K	G	F	T	L	I	E	L	M	I	V	V	A	I	G	I	L	A	A	I	A	I	P	A	Y	Q	D	Y	T	V	R	A	R	V	T	E	G	L	S	L	A	A	Q	A	K	A	L	V	S	E	N	A	A	A	Q	S	D	L	S	V		74																																																																																																																																																																																																																																																																																																																																																																											
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1		M	N	A	Q	K	G	F	T	L	I	E	L	M	I	V	I	A	I	G	I	L	A	A	I	A	I	P	A	Y	T	D	Y	T	V	R	A	R	V	S	E	G	L	T	A	A	S	M	K	T	V	S	E	N	I	L	A	G	A	L	V	A	G	P	T	S	T	A	G	S	S	C	V		76																																																																																																																																																																																																																																																																																																																																																																										
NTDB	id	1274	LPP	RS09530	WP	011214168.1		M	R	Q	K	G	F	T	L	I	E	L	M	I	V	V	A	I	G	I	L	A	A	I	A	I	P	A	Y	Q	D	Y	T	I	R	A	R	V	T	E	G	L	T	L	A	D	S	A	K	L	A	V	S	E	T	A	I	T	N	N	A	L	P	A	T	Q	A	A	T	G	Y	V		72																																																																																																																																																																																																																																																																																																																																																																											
NTDB	id	1258	GC085	RS09745	WP	014844212.1		M	R	Q	K	G	F	T	L	I	E	L	M	I	V	V	A	I	G	I	L	A	A	I	A	I	P	A	Y	Q	D	Y	T	I	R	A	R	V	T	E	G	L	T	L	A	D	S	A	K	L	A	V	S	E	T	A	I	T	N	N	A	L	P	A	T	Q	A	A	T	G	Y	V		72																																																																																																																																																																																																																																																																																																																																																																											
NTDB	id	56724	AZKH	RS19430	WP	015437506.1		M	K	K	I	Q	Q	G	F	T	L	I	E	L	M	I	V	V	A	I	G	I	L	A	A	V	A	I	P	A	Y	Q	N	Y	T	I	R	A	K	V	S	E	L	V	L	A	S	G	A	R	T	C	I	T	E	V	Y	Q	S	V	C	G	A	T	I	P	T	T	V	A	A	D	C	A		75																																																																																																																																																																																																																																																																																																																																																																									
NTDB	id	1109	OK783	RS10670	WP	157147416.1		M	N	T	L	Q	K	G	F	T	L	I	E	L	M	I	V	I	A	I	V	G	I	L	A	A	V	A	I	P	A	Y	Q	D	Y	T	A	R	A	Q	V	S	E	A	I	L	L	A	E	G	Q	K	S	A	V	T	E	Y	L	N	H	C	I	W	P	K	D	N	T	S	A	G	V	A	S	A		76																																																																																																																																																																																																																																																																																																																																																																							
NTDB	id	1119	NGFG	RS11465	WP	017147169.1		M	N	T	L	Q	K	G	F	T	L	I	E	L	M	I	V	I	A	I	V	G	I	L	A	A	V	A	I	P	A	Y	Q	D	Y	T	A	R	A	Q	V	S	E	A	I	L	L	A	E	G	Q	K	S	A	V	T	E	Y	L	N	H	C	I	W	P	K	D	N	T	S	A	G	V	A	S	A		76																																																																																																																																																																																																																																																																																																																																																																							
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NTDB	id	1383	A4U84	RS08530	WP	005711781.1	.KNGVRA.DKSDVPDAKYLKSIS...VASGVITVAGKGNIDC.YGYTMTPK.....FANN.NITWATSCQ.....	136
NTDB	id	1292	VP	RS12235	WP	005479693.1	AQLGVD..VAANDLGAIDSA.....LAGGSPTTFTF...DADSSID....GGITFTFRD.AAT...GWSCLPT.....	129
NTDB	id	1038	HON27	RS01510	WP	000993725.1	...GFT..AATSSVCATYSID...AFTETDGAGKIT.CTLKG..NPKIA....TKIVELTRS.TDG...AWTCVSD.....	126
NTDB	id	1192	PAKAF	RS23870	WP	0024947914.1	VPLGVA..ADANKLTIALKP.....DPADGTADITLFTTMGGAGPKNK....GKITLTRTAADG...LWKCTSD.....	138
NTDB	id	1197	PSJM300	03940	AFN	76866.1	GYIGIT..DSTS.YCDVDLD.....TAADGH...E.CTAKGCGNAGKFD....GKTITLNR.TADG...EWSCAST.....	128
NTDB	id	1204	PSJM300	03935	AFN	76865.1	GFIGIG..ASTN.YCTVTLI.....ATATGS...IT.CTTQNGMPDRFN....GKTITART.TDG...LWDCTSD.....	130
NTDB	id	1191	AAC28468.1	484..945()			.NVIFDSANG...LDGKYFAPGGVTVTPDTCANLAFDAGANLTKMTIIT.....PTVIAASGQISTWTCAPG.....	138
NTDB	id	1424	RS	RS02795	WP	011000517.1	GSSVF...TPTKNVNLTIAGTG...TVPQGQITVYTT.TAAGGGTLLALVPTAAGTALPVSSAPS.PIMVTCYAAQKAQAAS.S	149
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1	GVQEISASNATTNVATA..TCGA....SSAGQIVMTDDTTKAGGANITLTPT.....YASG.AVTKCTTT.....	135
NTDB	id	1274	LPP	RS09530	WP	011214168.1	SPAATPNVASI..AIGA.....NGVITITY.TAAAGGGTIVMTPTL.....QANG.DVTWTCTGG.....	123
NTDB	id	1258	GCO85	RS09745	WP	014844212.1	SPAATPNVQSI..AIGA.....NGVITITY.TAAAGGGTIIMTPTL.....QANG.DVTWTCTGG.....	123
NTDB	id	56724	AZKH	RS19430	WP	015437506.1	VSTVG.KVTGATV...STGGVVTVTGTTATSSVGAA.V...TITITPTVQSAAC.TITWACSGS.....	130
NTDB	id	1109	OK783	RS10670	WP	157147416.1	STIKG.KYVQKVE...VAKGVVTAQ...MASTGVNKEIQ...DKKLSLWAKRQD.SVKWFCGQPVTRTGDND	139
NTDB	id	1119	NGFG	RS11465	WP	017147169.1	PTDIKG.KYVKEVE...VKNGVVTAQ...MLSSGVNNEIK....GKKLSLWGRRENG.SVKWFCGQPVTRADDDTV	140
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NTDB id 1383 A4U84 RS08530 WP 005711781.1	GADISLFPANFCGQKATP.....	154
NTDB id 1292 VP RS12235 WP 005479693.1	APAIA.VDG.CS.....	139
NTDB id 1038 HON27 RS01510 WP 000993725.1	VPTETLPKG.CTAGTPTEGAITSL	149
NTDB id 1192 PAKAF RS23870 WP 024947914.1	QDEQFIPKG.CSK.....	150
NTDB id 1197 PSJM300 03940 AFN76866.1	LDAKYKPGK.CS.....	139
NTDB id 1204 PSJM300 03935 AFN76865.1	LDSRYKPGK.CL.....	141
NTDB id 1191 AAC28468.1 484..945()	AANGIETRLPTS.CQ*.....	153
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NTDB id 1258 GC085 RS09745 WP 014844212.1	TLAKYRPAS.CRP.....	136
NTDB id 56724 AZKH RS19430 WP 015437506.1	DTKYVPAS.CRG.....	141
NTDB id 1109 OK783 RS10670 WP 157147416.1	TVADANNAIDTKHLPST.CRDESSAT.....	164
NTDB id 1119 NGFG RS11465 WP 017147169.1	ADAKDGKETDKHLPST.CRDKASDAK.....	166
consensus	*****!	

- non conserved
- similar
- ≥ 50% conserved