

NTDB	id	1292	VP	RS12235	WP	005479693.1	...MKHSHKQKKQ	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	T	R	S	E	V	T	S	G	L	A	T	V	K	A	L	I	P	A	E	L	H	Y	Q	.	E	N	G	I	A	A	A	A	...	71												
NTDB	id	1038	HON27	RS01510	WP	000993725.1	MNA	K	Q	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	V	N	S	G	F	S	E	I	S	S	I	K	T	C	Y	E	N	A	V	N	.	E	G	A	V	P	T	K	L	S	D	V	..	69					
NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	MKA	K	Q	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	V	A	R	S	E	G	A	S	A	L	A	S	V	N	P	L	K	T	T	V	E	A	L	.	R	G	S	V	K	S	G	T	G	T	E	D	..	71						
NTDB	id	1197	PSJM300	03940	AFN	76866.1	MKAQM	K	Q	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	S	N	A	A	A	L	A	E	I	T	P	G	K	I	G	F	E	.	A	I	N	.	E	G	K	T	P	S	L	T	S	T	E	..	72						
NTDB	id	1204	PSJM300	03935	AFN	76865.1	MKPVKSSC	R	G	F	S	L	I	E	L	M	I	V	V	A	I	G	I	L	A	A	I	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	A	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()			MLKKV	K	Q	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	.	T	D	.	L	G	A	W	R	A	D	R	G	S	F	P	N	A	A	A	L	V	A	G	..	74
NTDB	id	1109	OK783	RS10670	WP	157147416.1	MNTL	K	Q	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	V	S	E	A	L	L	A	E	G	K	S	A	V	T	E	Y	L	N	H	G	I	W	P	K	D	N	T	S	A	..	71							
NTDB	id	1119	NGFG	RS11465	WP	017147169.1	MNTL	K	Q	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	V	S	E	A	L	L	A	E	G	K	S	A	V	T	E	Y	L	N	H	G	K	W	P	E	N	N	T	S	A	..	71							
NTDB	id	1188	NELON	RS01755	WP	003772458.1	MKAM	K	Q	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	V	R	S	K	V	S	E	A	L	I	A	S	S	P	K	S	A	L	S	E	A	F	Q	D	T	G	I	T	M	T	A	A	A	A	K	F	..	73				
NTDB	id	1102192	Q9277	RS07700	WP	011408068.1	MKKQ	Q	G	F	T	L	I	E	L	M	I	V	A	I	.	I	A	I	L	A	A	I	A	I	A	I	P	A	Y	Q	D	Y	T	T	R	A	K	L	S	E	A	L	T																															

NTDB	id	1292	VP	RS12235	WP	O05479693.1	TLAQLGVDVAANDLGAIDSA....LAGG...SPTLTFTF.....DADSSIDGGILTFTRD.....	119
NTDB	id	1038	HON27	RS01510	WP	O00993725.1	GFTAATSSVCATYSIDAFTETDG...ACKIT..CTL...KG..NPKIATKIVELTRS.....	116
NTDB	id	1192	PAKAF	RS23870	WP	O24947914.1	AT...KKEVPLGVAAADANKLGCTIALKP..DPADG...TADITLTFT...MGGAGPKNKGKITILTRTA.....	128
NTDB	id	1197	PSJM300	O3940	AFN	G76866.1	GYIGITDSTS.YCDVDLD...TAADG...H...IE.CTA...KGGNAGKFDFCKTITLNRT.....	118
NTDB	id	1204	PSJM300	O3935	AFN	G76865.1	GFICIGASTN.YCIVTI...I...ATATG...S...IT.CTT...QNGMPDRFNCKTITTIART.....	120
NTDB	id	1191	AAC28468.1	484..945()			NVIFDSA.....NGLDGKYFAPG.GVTVT.PDTGAINIAFDAG.....ANAGKTMTITTPVI.....AASG	128
NTDB	id	1109	OK783	RS10670	WP	157147416.1	GVASA.STIKGKYVQKV.EVAKG.....VVTAQMAS...TGVNKEIQDKKLSLWA.....KRQD	120
NTDB	id	1119	NGFG	RS11465	WP	O17147169.1	GVASPPTDIKGYVKEV.EVKNG.....VVTAIMLS...SGVNNEIKGKKLSLWG.....RREN	121
NTDB	id	1188	NELON	RS01755	WP	O03772458.1	NKTAAAGGGGAGCAAAAGTQHASKYVKSV.KVTEA...SPWDITVAISATEANGIPTGLDCNTIRLFPLVNK.AVP.AATST	148
NTDB	id	1102192	Q9277	RS07700	WP	O11408068.1	SGY.....SFPGATKYVSNV.TIADG...TCLYTVTST.V.....PNAAGTILLTPKD.....VGG	116
NTDB	id	1424	RS	RS02795	WP	O11000517.1	CSSVF...TPTKNVANL.TIAGTGTVPQGQITVITYT.T.....AAGGGTLALVPTAAGTALPVSSAPS	131
NTDB	id	1002	ACTAD	RS15100	WP	O04923779.1	AGSSCVGVQEISASNATTNVATA...TCGASSAQIIVTMDTT.....KAKGANITLTPT.....YAS	125
NTDB	id	1274	LPP	RS09530	WP	O11214168.1	GYV.....SPAATPNVASI...AICA..NGVITYTY.TA.....AAGGGTIIVMTPTL.....QAN	113
NTDB	id	1258	GCO85	RS09745	WP	O14844212.1	GYV.....SPAATPNVQSI...AICA..NGVITYTY.TA.....AAGGGTIIVMTPTL.....QAN	113
consensus							* * * * * * ** ** *	

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NTDB id 1292 VP RS12235 WP 005479693.1
NTDB id 1038 HON27 RS01510 WP 000993725.1
NTDB id 1192 PAKAF RS23870 WP 024947914.1
NTDB id 1197 PSJM300 03940 AFN76866.1
NTDB id 1204 PSJM300 03935 AFN76865.1
NTDB id 1191 AAC28468.1 484..945()
NTDB id 1109 OK783 RS10670 WP 157147416.1
NTDB id 1119 NGFG RS11465 WP 017147169.1
NTDB id 1188 NELON RS01755 WP 003772458.1
NTDB id 1102192 Q9277 RS07700 WP 011408068.1
NTDB id 1424 RS RS02795 WP 011000517.1
NTDB id 1002 ACIAD RS15100 WP 004923779.1
NTDB id 1274 LPP RS09530 WP 011214168.1
NTDB id 1258 GC085 RS09745 WP 014844212.1
consensus



non conserved
 similar
 ≥ 50% conserved