

NTDB	id	1038	HON27	RS01510	WP	000993725.1	MNA	QKGFTLIELMIVVAIIGILAAATPQYQNYIAKSQVNSGFSEISSIKTGY	ENAVNEGAVPTKLSDV..	69
NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	MKA	QKGFTLIELMIVVAIIGILAAAIAPQYQNYVARSEGASALASVNPLKTTV	EEALSRGWSVKSGTGTED	71
NTDB	id	1197	PSJM300	03940	AFN	76866.1	MKAQM	QKGFTLIELMIVVAIIGILAAAIAPAYQDYTVRSNAAALAEITPGKIGF	EQAINEGKTPSLTSTIDE	72
NTDB	id	1204	PSJM300	03935	AFN	76865.1	MKPVKSSC	QKGSFLIELMIVVAIIGILAAAIAPAYQNYTVRSNAAALAEITPKAAAF	EQAISEGHTPSLVSLP.	74
NTDB	id	1109	OK783	RS10670	WP	157147416.1	MNTL	QKGFTLIELMIVTAIVGILAAVALPAYQDYTARAQVSEAILLAEGQKSAVTEYYLNHGIWPKDNTSAGV		73
NTDB	id	1119	NGFG	RS11465	WP	017147169.1	MNTL	QKGFTLIELMIVTAIVGILAAVALPAYQDYTARAQVSEAILLAEGQKSAVTEYYLNHGKWPENNTSAGV		73
NTDB	id	1191	AAC28468.1	484..945()			MLKKV	QKGFTLIELMIVTAIIGILAAAIAPAYQDYTARAQVTEGFKATAGLQTDLGAWRADRGSPFNAAALVAG		74
NTDB	id	1002	ACIAD	RS15100	WP	040923779.1	MNA	QKGFTLIELMIVTAIIGILAAAIAPAYTDYTVRARVSEGLTAAASMKTVSENLINAGALVAGTPSTAG		72
NTDB	id	1424	RS	RS02795	WP	011000517.1	MKSMRHLNKR	VQKGFTLIELMIVVAIVGILAAAIAPAYQDYTVRARVTEGLSLAASQAKALVSENAANAQ....SDLVGC		75
NTDB	id	261983	CAB17	RS03705	WP	058513121.1	MK	QKGFTLIELMIVVAIIGILAAAIAPAYQDYTVRARVTEGLSLASAAKTIVSENAASS....GAAKLSQC		66
NTDB	id	1258	GCO85	RS09745	WP	014844212.1	MR	QKGFTLIELMIVVAIIGILAAAIAPAYQDYTVRARVTEGLTLADSAKLAVSETAITNNALPATQAATC		70
NTDB	id	1274	LPP	RS09530	WP	011214168.1	MR	QKGFTLIELMIVVAIIGILAAAIAPAYQDYTVRARVTEGLTLADSAKLAVSETAITNNALPATQAATC		70
consensus								*****	*****	

NTDB	id	1038	HON27	RS01510	WP	000993725.1	G	F	T	A	A	T	S	S	V	C	A	T	S	I	D	.	A	F	T	E	T	D	G	A	G	K	I	T	.	C	T	L	K	G	..	N	P	K	I	A	T	.	K	I	V	E	L	T		R	S	.	T	D	G	A	.	T	C	V		124									
NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	A	T	K	K	E	V	P	.	G	V	A	A	D	A	N	K	L	G	T	.	T	A	L	K	P	..	D	P	A	D	G	T	A	D	I	T	L	T	F	T	M	G	G	A	P	K	N	K	G	K	I	.	T	L	T		R	T	A	A	D	G	L	W	K	C	T		136		
NTDB	id	1197	PSJM300	03940	AFN	76866.1	G	Y	I	G	I	T	D	S	T	S	.	Y	C	D	.	V	D	L	..	T	A	A	D	G	H	..	I	E	.	C	T	A	K	G	G	N	A	G	K	F	D	G	K	T	.	I	T	L	N		R	T	.	A	D	G	E	W	S	C	A		126								
NTDB	id	1204	PSJM300	03935	AFN	76865.1	G	F	I	G	I	G	A	S	T	N	.	Y	C	T	V	T	L	I	..	A	T	A	T	G	S	..	I	T	.	C	T	T	G	M	P	D	R	F	N	G	K	T	.	I	T	A		R	T	.	D	G	L	W	D	C	T		128												
NTDB	id	1109	OK783	RS10670	WP	157147416.1	A		S	A	..	S	T	I	K	G	K	Y	V	Q	K	V	E	..	V	A	K	G	V	V	T	.	A	Q	M	A	S	T	G	V	N	K	E	I	Q	D	K	K	L	S	L		W	A	K	R	Q	D	G	S	V	K	W	F	C	G		128									
NTDB	id	1119	NGFG	RS11465	WP	017147169.1	A		S	P	P	.	T	D	I	K	G	K	Y	V	K	E	V	..	V	K	N	G	V	V	T	.	A	T	M	L	S	S	G	V	N	N	E	I	K	G	K	K	L	S	L		W	G	R	R	E	N	G	S	V	K	W	F	C	G		129									
NTDB	id	1191	AAC28468.1	484..945()			N	V	I	F	D	S	A	.	N	G	L	D	G	K	Y	F	A	P	G	G	V	T	V	T	P	D	T	.	G	A	I	N	I	A	F	D	A	..	G	A	N	A	G	K	T	M	T	I	T	P	T	V	I		A	A	S	G	I	S	T	W	I	C	A		136				
NTDB	id	1002	ACIAD	RS15100	WP	040923779.1	S	S	C	.	V	G	V	Q	E	I	S	A	.	N	A	T	T	N	.	V	A	T	A	T	..	G	G	A	S	A	.	A	Q	I	V	T	M	D	T	..	T	K	A	K	A	N	I	T	L	T	P		T	Y	A	S	G	A	V	T	W	K	C	T		133					
NTDB	id	1424	RS	RS02795	WP	011000517.1	S	S	S	V	F	T	P	T	.	K	N	V	A	N	L	.	T	I	A	G	..	T	G	.	T	V	P	G	Q	I	T	V	T	Y	T	..	A	A	G	G	T	.	L	A	L	V	P	T	A	A	G	T	A	L	P	V	S	S	A	P	S	G	P	I	M	W	T	C	Y		139
NTDB	id	261983	CAB17	RS03705	WP	058513121.1	W	V	..	A	P	.	T	A	T	A	N	.	V	K	S	V	A	..	V	D	.	D	N	T	G	K	I	T	I	T	Y	D	A	..	P	A	K	S	I	V	.	I	T	L	T	P	Q	S	G	G	A	A	L	V	A	G	T	P	P	T	D	A	I	T	W	T	C	A		127	
NTDB	id	1258	GC085	RS09745	WP	014844212.1	Y	V	..	S	P	.																																																																	

NTDB	id	1038	HON27	RS01510	WP	000993725.1	SDV.....PTEFLPKGCTAGTPTGEGAITSL	149
NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	SDQ.....DEQFLPKGCSK.....	150
NTDB	id	1197	PSJM300	03940	AFN	76866.1	STL.....DAKYKPGKCS.....	139
NTDB	id	1204	PSJM300	03935	AFN	76865.1	SDL.....DSRYKPGKCL.....	141
NTDB	id	1109	OK783	RS10670	WP	157147416.1	QPVTRTGDNDDTVADANNAIDTKHLPSTCRDESSAT.....	164
NTDB	id	1119	NGFG	RS11465	WP	017147169.1	QPVTRADDDTVADAKDGKEIDTKHLPSTCRDKASDAK.....	166
NTDB	id	1191	AAC28468.1	484..945()			PGAAN.....GIETRLPTSCQ*.....	153
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1	TTS.....DKKYVPSECRG.....	147
NTDB	id	1424	RS	RS02795	WP	011000517.1	AQNKAQAAS.SVAPSGTMSLAAKYAPAECR.....	168
NTDB	id	261983	CAB17	RS03705	WP	058513121.1	VDQ.....AANDRYVPSCRI.....	143
NTDB	id	1258	GC085	RS09745	WP	014844212.1	GGT.....LLAKYRPASCRP.....	136
NTDB	id	1274	LPP	RS09530	WP	011214168.1	GGT.....LLAKYRPASCRP.....	136
consensus							* * * * *	

 non conserved
 similar
 $\geq 50\%$ conserved