

NTDB	id 1029	TT RS02230 WP 011228203.1	MPVYQYKARDRQG..RLVEATIEAEDLRTAARLLDRDGLFVAETKEPGKGQLAEVRIPALERGPG	63
NTDB	id 1169	A1552VC RS11075 WP 000648511.1	..MKAT.....QTLPLKNYRWKGINSG..KKVSGQMLAISEIEVRDKLKDQHIIQIKKLKKGVSLLAR....LTHR.VK	66
NTDB	id 1402	DSB67 RS12670 WP 010643257.1	...MKT.....IAPQLKNYRWKGINSSG..KKTSGNVLAMTEIEVRRERLDAQHIKIKKLKKGSI.SFITK.....ISHR.VK	65
NTDB	id 1112	NGFG RS09215 WP 003689811.1	...MAKNGGFSLFAKKEKRFIFEGRHASADKLVNGEVSAFTEEEARKKLAKRGIRPLQITRVKTS.....SKRKIT	68
NTDB	id 1113	AAH85695.1 219..1451()	...MAKNGGFSLFAKKEKRFIFEGRHASADKLVNGEVSAFTEEEARKKLAKRGIRPLQITRVKTS.....SKRKIT	68
NTDB	id 1252	GCO85 RS07730 WP 011213805.1	...MDKN.....SPPILT.FHYQGINKAG..QKMEGDIQARSLAI.AKADLRKGGIVTNKVVKKRKP.LFDR....KNKKIT	65
NTDB	id 393120	GCS91 RS06335 WP 017405526.1	MATAASK.....GIKEFVFWE.EGKD.RNG..KIIRGETRAGGINQVQAMLR.RQGVLPSKI.KKRRTR.....GGKRIK	64
NTDB	id 1198	PSJM300 03950 AFN76868.1	...MAQK.....AIKNSVFTW.EGLDRQG..AKIKGELSGVSPALVKAQLRKQGINTPQKVRKKSISIFS.....AGKKIK	64
NTDB	id 1016	ACIAD RS01680 WP 004920476.1	...MAAKK.....TQVM.PVFAY.EGVDRKG..IKLKGELPARNMALAKVTLRKQGITTIRTIREKRKNIFEGL...LKKKVK	67
NTDB	id 1059	ABD1 RS01610 WP 000279215.1	...MAVKK.....AQMMPT.FAY.EGVDRKG..VKIKGELPAKNMALAKVTLRKQGVTVRNIREKRKNILEGL...FKKKVT	67
consensus			* * * * * * * * * * * * * * * * * * * * * * * * * ! * * * * * * * * * * *	

NTDB	id	1029	TT	RS02230	WP	011228203.1	LK	D	I	A	F	S	R	Q	L	A	T	M	L	G	A	G	I	T	L	L	Q	A	L	A	I	L	E	R	Q	T	E	N	R	K	F	R	E	I	L	K	Q	V	R	T	D	V	E	G	G	M	A	F	S	E	A	L	S	K	H	K	.	I	F	S	R	L	Y	V	N	L	V	R	A	G	E	T	S	G	142	
NTDB	id	1169	A1552VC	RS11075	WP	000648511.1	SK	D	I	T	I	L	T	R	Q	L	A	T	M	L	T	T	G	V	P	I	V	Q	A	L	K	L	V	G	D	N	H	R	K	A	E	M	K	S	I	L	A	Q	I	T	K	S	V	E	A	G	T	P	L	S	K	A	M	R	T	A	S	A	H	F	D	T	L	Y	V	D	L	V	E	T	G	E	M	S	G	146
NTDB	id	1402	DSB67	RS12670	WP	010643257.1	GK	D	I	T	I	F	T	R	Q	L	A	T	M	L	M	T	G	V	P	I	V	Q	A	L	K	L	V	S	E	N	H	K	K	A	E	M	K	S	I	L	M	S	V	T	R	A	V	E	A	G	T	P	M	S	K	A	M	R	T	A	S	T	H	F	D	P	L	Y	T	D	L	I	A	T	G	E	Q	S	G	145
NTDB	id	1112	NGFG	RS09215	WP	003689811.1	Q	E	D	I	T	V	F	T	R	Q	L	S	T	M	I	K	A	G	L	P	L	M	Q	A	F	E	I	V	A	R	G	H	G	N	P	S	M	T	E	M	L	M	E	I	R	G	Q	V	E	Q	S	S	L	S	R	A	F	S	N	H	P	K	Y	F	D	R	F	Y	C	N	L	V	A	A	G	E	T	G	148	
NTDB	id	1113	AAA85695.1	219..1451()			Q	E	D	I	T	V	F	T	R	Q	L	S	T	M	I	K	A	G	L	P	L	M	Q	A	F	E	I	V	A	R	G	H	G	N	P	S	M	T	E	M	L	M	E	I	R	G	Q	V	E	Q	S	S	L	S	R	A	F	S	N	H	P	K	Y	F	D	R	F	Y	C	N	L	V	A	A	G	E	T	G	148	
NTDB	id	1252	GQ085	RS07730	WP	011213805.1	Q	A	D	I	T	V	F	S	R	Q	L	A	T	M	L	E	S	G	I	P	L	V	Q	A	F	D	I	V	A	K	G	S	N	K	R	L	K	D	L	I	E	T	I	K	H	D	I	E	T	G	L	T	L	A	E	S	L	I	K	H	P	L	Y	F	N	E	L	F	C	N	L	V	D	A	G	E	K	S	G	145
NTDB	id	393120	GCS91	RS06335	WP	017405526.1	P	K	D	I	A	L	F	T	R	Q	L	A	T	M	L	K	A	G	V	P	L	L	Q	A	F	D	I	V	G	R	G	N	T	N	P	S	V	T	R	L	L	A	D	I	R	A	D	V	E	T	G	T	S	L	N	A	A	Y	R	K	H	P	M	Y	F	D	S	L	C	N	L	V	E	A	G	E	A	A	G	144
NTDB	id	1198	PSJM300	03950	AFN	76868.1	P	M	D	I	A	L	F	T	R	Q	L	A	T	M	L	K	A	G	V	P	L	L	Q	S	F	D	I	I	G	E	G	F	D	N	P	N	M	R	K	L	V	D	D	L	K	Q	E	V	A	A	G	N	S	F	A	S	S	L	R	K	P	Q	Y	F	D	D	L	Y	C	N	L	V	D	S	G	E	Q	S	G	144
NTDB	id	1016	ACIAD	RS01680	WP	004920476.1	P	L	D	I	A	I	F	T	R	Q	L	A	T	M	L	K	A	G	V	P	L	V	Q	A	F	E	I	V	A	E	G	L	N	P	A	M	R	D	V	V	L	G	L	K</																																				

NTDB	id	1029	TT	RS02230	WP	011228203.1	G	D	L	I	L	D	R	L	A	S	F	L	E	K	E	L	R	G	K	I	R	S	A	M	T	Y	P	V	I	V	F	V	F	A	V	G	V	A	Y	F	L	L	T	G	I	V	P	Q	F	A	Q	I	L	T	D	L	G	S	E	L	P	L	L	T	R	F	L	I	A	V	S	D	L	R	A	A	222			
NTDB	id	1169	A1552VC	RS11075	WP	000648511.1	N	L	P	E	V	F	E	R	L	A	T	Y	E	K	S	E	Q	L	R	A	K	V	I	K	A	L	I	Y	P	S	M	V	V	L	V	A	L	G	V	S	Y	L	M	L	T	M	V	I	P	E	F	E	S	M	F	K	G	F	G	A	E	L	P	W	F	T	Q	Q	V	L	K	L	S	H	W	V	Q	A	Y	226
NTDB	id	1402	DSB67	RS12670	WP	010643257.1	N	L	S	Q	V	F	E	R	L	A	T	Y	E	K	S	E	Q	L	R	A	K	V	I	K	A	L	I	Y	P	A	M	V	V	L	V	A	L	G	V	S	Y	L	M	L	T	R	V	I	P	E	F	E	K	M	F	T	G	F	G	A	D	L	P	A	F	T	Q	M	V	L	N	L	S	A	M	T	Q	N	W	225
NTDB	id	1112	NGFG	RS09215	WP	003689811.1	V	L	S	E	L	D	K	L	A	T	Y	E	K	T	Q	A	I	R	K	K	V	K	T	A	L	T	Y	P	S	V	I	A	V	A	I	G	L	V	F	V	M	I	F	V	L	P	A	F	K	E	V	Y	A	N	M	G	A	E	L	P	L	T	Q	T	V	M	D	S	M	D	F	F	V	S	Y	228				
NTDB	id	1113	ACA85695.1	219..1451()			V	L	S	E	L	D	K	L	A	T	Y	E	K	T	Q	A	I	R	K	K	V	K	T	A	L	T	Y	P	S	V	I	A	V	A	I	G	L	V	F	V	M	I	F	V	L	P	A	F	K	E	V	Y	A	N	M	G	A	E	L	P	A	L	T	Q	T	V	M	D	S	M	D	F	F	V	S	Y	228			
NTDB	id	1252	GCO85	RS07730	WP	011213805.1	S	L	D	I	M	L	D	K	V	A	T	Y	E	K	T	E	I	I	K	K	K	I	K	A	L	T	Y	P	I	A	V	M	V	A	L	L	V	T	A	G	L	L	I	Y	V	V	P	Q	F	E	S	L	F	K	G	F	G	A	D	L	P	A	M	T	R	A	V	I	T	M	S	E	F	M	Q	A	Y	225		
NTDB	id	393120	GCS91	RS06335	WP	017405526.1	I	L	E	A	L	D	R	L	A	T	Y	M	E	K	T	E	A	I	K	S	K	I	K	S	A	L	M	Y	P	I	S	V	I	V	V	A	F	I	V	T	I	I	M	I	F	V	I	P	A	F	K	E	V	F	S	S	F	G	A	D	L	P	A	P	T	L	F	V	M	G	I	S	D	V	F	V	Q	W	224	
NTDB	id	1198	PSJM300	03950	AFN	76868.1	S	L	E	T	L	D	R	V	A	T	Y	E	K	T	E	A	L	K	A	K	I	K	A	M	N	Y	P	I	A	V	V	L	V	A	I	V	T	A	I	L	L	I	K	V	V	P	Q	F	D	V	F	A	N	F	G	A	E	L	P	A	F	T	L	M	V	I	G	L	S	E	A	L	Q	A	W	224				
NTDB	id	1016	ACIAD	RS01680	WP	004920476.1	S	L	E	I	M	L	D	R	V	A	T	Y	E	K	S	E	V	L	K	K	I	K	A	M	K	Y	P	A	T	V	I	V	V	A	I	V	T	I	I	L	M	V	K	V	V	P	F	K	D	L	F	T	S	F	G	A	D																							

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NTDB id 1029 TT RS02230 WP 011228203.1
NTDB id 1169 A1552VC RS11075 WP 000648511.1
NTDB id 1402 DSB67 RS12670 WP 010643257.1
NTDB id 1112 NGFG RS09215 WP 003689811.1
NTDB id 1113 AAA85695.1 219..1451()
NTDB id 1252 GC085 RS07730 WP 011213805.1
NTDB id 393120 GCS91 RS06335 WP 017405526.1
NTDB id 1198 PSJM300 03950 AFN76868.1
NTDB id 1016 ACIAD RS01680 WP 004920476.1
NTDB id 1059 ABD1 RS01610 WP 000279215.1
consensus



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NTDB id 1029 TT RS02230 WP 011228203.1
NTDB id 1169 A1552VC RS11075 WP 000648511.1
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NTDB id 1016 ACIAD RS01680 WP 004920476.1
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consensus

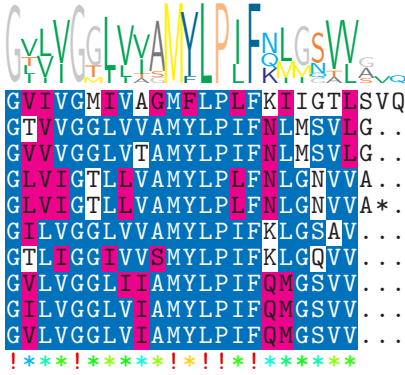


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NTDB id 1113 AAA85695.1 219..1451()
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NTDB id 1198 PSJM300 03950 AFN76868.1
NTDB id 1016 ACIAD RS01680 WP 004920476.1
NTDB id 1059 ABD1 RS01610 WP 000279215.1
consensus



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☒ non conserved
☒ similar
☒ ≥ 50% conserved