

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	MELNQYLDGMLITHKASDLYITVGA	PILYRVDGELRAQGEAL.SVADVTAL	LHAMMDARQA	EFKQ	TREANFAVVRD	75			
NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGGSDLFITAGV	PPSMKVNGKILPVNKT	TPMSPEMTRET	VHGVMMNEQ	QRREF	TENHECNFAISAR	76		
NTDB id 1019 ACIAD RS04205 WP 004922051.1	MDFNDLLNLMAKHKASDLFITAGV	EPSLKINGEITPVSKTKLDGDMIAQL	LIDSITTQKQRQ	EFIE	THECNFAILNR	76			
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDILRLAADKGASDIILAAGL	PPQFKLSGDYDAQGFELPSASDTRKLM	YSMMNERQQRI	FEEKRELD	DFSFA	80			
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKAASDLHLSSGI	SPMIRVHGD	MRRINLP	MSAE	EVGNMVT	VMNDHQRKIYQQNLE	VDFS	FELP	76
NTDB id 185246 A9Y61 RS10535 WP 064668862.1	MQITDLLAFGAKNKAASDLHLSSGI	SPMIRVHSD	MRRINLP	MSAE	EVGNMVT	VMNDHQRKIYQQNLE	VDFS	FELP	76
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKAASDLHLSSGI	SPMIRVHGD	MRRINLP	MSAE	EVGNMVT	VMNDHQRKIYQQNLE	VDFS	FELP	76
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHL	SAGVPPMVRIDG	EVRLKGVPAFTHSD	VHRLIFE	IMNDAQRSEYEEKLE	VDFS	FELP	76	
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHL	SAGVPPMVRIDG	EVRLKGVPAFTHSD	VHRLIFE	IMNDAQRSEYEEKLE	VDFS	FELP	76	
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLAFAVKNKSSDLHISAGM	PPMIRVDGLRKINLP	PLEHKDVIKI	IYD	IMNDRQRKEYEEFFET	DFS	FEIA	76	
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLAFAVKNKSSDLHISAGM	PPMIRVDGLRKINLP	PLEHKDVIKI	IYD	IMNDRQRKEYEEFFET	DFS	FEIA	76	
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKQGGASDLHLSSGL	PPMIRVDGDVRRINLP	PAMDHKQVHALIYD	IMNDKQRKDFEEF	LET	DFS	FEVP	76	
NTDB id 1194 PAKAF RS01995 WP 003084552.1	MDITELLAFSAKQGGASDLHL	SAGLPPMIRVDGDVRRINLP	PLEHKQVHALIYD	IMNDKQRKDFEEF	LET	DFS	FEVP	76	
NTDB id 1020 ACIAD RS04210 WP 011182164.1	MDITELLAFSVQNRASDLHL	SAGIPPMIRVDGEVRRINLP	PAMDHSEVHNLIYD	IMNDKQR	RDYEEKLE	DFS	FEVP	76	
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNGASDLHL	SAGMPPMIRVDGEVRRINLP	PALEHKDVHRLVYD	IMNDKQR	RDYEEKLE	DFS	FEVP	76	
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNGASDLHL	SAGMPPMIRVDGEVRRINLP	PALEHKDVHRLVYD	IMNDKQR	RDYEEKLE	DFS	FEVP	76	
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNGASDLHL	SAGMPPMIRVDGEVRRINLP	PALEHKDVHRLVYD	IMNDKQR	RDYEEKLE	DFS	FEVP	76	
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NTDB id 1177 A1552VC RS01165 WP 000422572.1	..S	G	F	R	F	R	V	S	A	F	F	Q	R	E	L	P	G	A	V	I	R	R	I	E	T	R	I	P	T	F	E	E	L	K	L	P	E	V	L	Q	N	L	A	I	A	K	R	G	L	V	L	V	G	A	T	G	S	G	K	S	T	T	M	A	A	M	T	G	Y	R	N	Q	H	R	T	G	H	I	153																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
NTDB id 1203 PSJM300 01605 AFN76401.1	G.	I	G	F	R	F	R	V	S	A	F	Y	Q	R	N	L	A	G	M	V	L	R	R	I	E	T	N	I	P	T	I	E	D	L	K	L	P	D	V	L	K	K	L	A	L	T	K	R	G	L	V	L	F	V	G	A	T	G	T	G	K	S	T	S	L	A	A	M	I	G	Y	R	N	K	N	S	S	G	H	I	155																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB id 1019 ACIAD RS04205 WP 004922051.1	E	K	N	E	R	F	R	V	S	A	F	Q	R	D	M	P	G	M	V	I	R	R	I	E	T	K	I	P	S	P	D	L	H	L	P	P	I	L	K	E	L	A	M	S	K	R	G	I	I	F	S	G	A	T	G	T	G	K	S	T	S	L	A	S	I	Q	H	R	N	Q	H	S	K	G	H	I	156																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NTDB id 1307 DR RS10055 WP 010888596.1	D	K	A	R	F	R	V	N	A	F	M	Q	R	M	G	N	V	G	V	M	I	R	L	I	P	T	T	V	R	T	I	A	E	M	G	L	P	Q	T	V	I	D	I	A	N	A	P	R	G	L	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	S	M	I	D	H	I	N	T	K	L	H	I	159																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
NTDB id 1086 NMV RS00245 WP 002218487.1	N	V	A	R	F	R	V	N	A	F	N	I	G	R	G	P	A	A	V	F	R	T	I	P	S	T	V	L	S	L	E	E	L	K	A	P	S	I	F	Q	K	I	A	E	S	P	R	G	M	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	I	N	Y	I	N	E	T	Q	P	A	H	I	155																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
NTDB id 185246 A9Y61 RS10535 WP 064668862.1	N	V	A	R	F	R	V	N	A	F	N	T	G	R	G	P	A	A	V	F	R	T	I	P	S	T	V	L	S	L	E	E	L	K	A	P	S	I	F	Q	K	I	A	E	S	P	R	G	M	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	I	N	Y	I	N	E	T	Q	P	A	H	I	155																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
NTDB id 1116 NGFG RS10615 WP 003690200.1	N	V	A	R	F	R	V	N	A	F	N	T	G	R	G	P	A	A	V	F	R	T	I	P	S	T	V	L	S	L	E	E	L	K	A	P	S	I	F	Q	K	I	A	E	S	P	R	G	M	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	I	N	Y	I	N	E	T	Q	P	A	H	I	155																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
NTDB id 1185 GTF74 RS11940 WP 000350195.1	N	V	G	R	F	R	V	N	A	F	H	Q	A	R	G	C	S	A	V	F	R	T	I	P	T	V	I	P	T	L	E	Q	L	D	A	P	E	I	F	S	K	I	A	N	Y	E	K	G	L	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	V	N	Y	V	N	A	H	N	K	H	I	155																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
NTDB id 1176 A1552VC RS01160 WP 000350195.1	N	V	G	R	F	R	V	N	A	F	H	Q	A	R	G	C	S	A	V	F	R	T	I	P	T	V	I	P	T	L	E	Q	L	D	A	P	E	I	F	S	K	I	A	N	Y	E	K	G	L	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	V	N	Y	V	N	A	H	N	K	H	I	155																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
NTDB id 1283 ACE17W RS02630 WP 010947729.1	N	L	A	R	F	R	V	N	A	F	N	Q	S	R	G	A	A	A	V	F	R	T	I	P	S	E	I	L	S	M	E	D	L	G	L	P	P	I	F	K	E	M	A	S	F	S	R	G	L	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	A	V	I	D	Y	I	N	S	S	R	Y	E	H	I	155																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
NTDB id 1259 GC085 RS10305 WP 010947729.1	N	L	A	R	F	R	V	N	A	F	N	Q	S	R	G	A	A	A	V	F	R	T	I	P	S	E	I	L	S	M	E	D	L	G	L	P	P	I	F	K	E	M	A	S	F	S	R	G	L	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	A	V	I	D	Y	I	N	S	S	R	Y	E	H	I	155																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
NTDB id 1202 PSJM300 01600 AFN76400.1	G	V	A	R	F	R	V	N	A	F	N	Q	N	R	G	A	G	A	V	F	R	T	I	P	S	K	V	L	T	M	E	D	L	G	M	G	E	V	F	R	K	I	T	D	V	P	R	G	L	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	L	D	Y	L	N	N	T	K	Y	H	H	I	155																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
NTDB id 1194 PAKAF RS01995 WP 003084552.1	G	V	A	R	F	R	V	N	A	F	N	Q	N	R	G	A	G	A	V	F	R	T	I	P	S	K	V	L	T	M	E	E	L	G	M	G	E	V	F	K	R	V	S	D	V	P	R	G	L	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	L	D	Y	L	N	N	T	K	Y	H	H	I	155																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
NTDB id 1020 ACIAD RS04210 WP 011182164.1	N	L	A	R	F	R	V	N	V	F	N	Q	N	R	G	A	G	A	V	F	R	T	I	P	S	Q	V	L	T	L	E	E	L	G	L	G	K	I	F	R	D	I	C	D	Y	P	R	G	L	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	L	D	Y	I	N	N	H	R	Y	D	H	I	155																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
NTDB id 1060 ABD1 RS04380 WP 000355489.1	N	V	A	R	F	R	V	N	A	F	N	Q	N	R	G	A	G	A	V	F	R	T	I	P	S	K	V	L	T	M	E	D	L	G	L	G	K	I	F	K	D	I	C	D	Y	P	R	G	I	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	L	D	Y	I	N	E	N	R	Y	D	H	I	155																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
NTDB id 1040 HON27 RS13360 WP 000355489.1	N	V	A	R	F	R	V	N	A	F	N	Q	N	R	G	A	G	A	V	F	R	T	I	P	S	K	V	L	T	M	E	D	L	G	L	G	K	I	F	K	D	I	C	D	Y	P	R	G	I	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	L	D	Y	I	N	E	N	R	Y	D	H	I	155																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	N	V	A	R	F	R	V	N	A	F	N	Q	N	R	G	A	G	A	V	F	R	T	I	P	S	K	V	L	T	M	E	D	L	G	L	G	K	I	F	K	D	I	C	D	Y	P	R	G	I	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	L	D	Y	I	N	E	N	R	Y	D	H	I	155																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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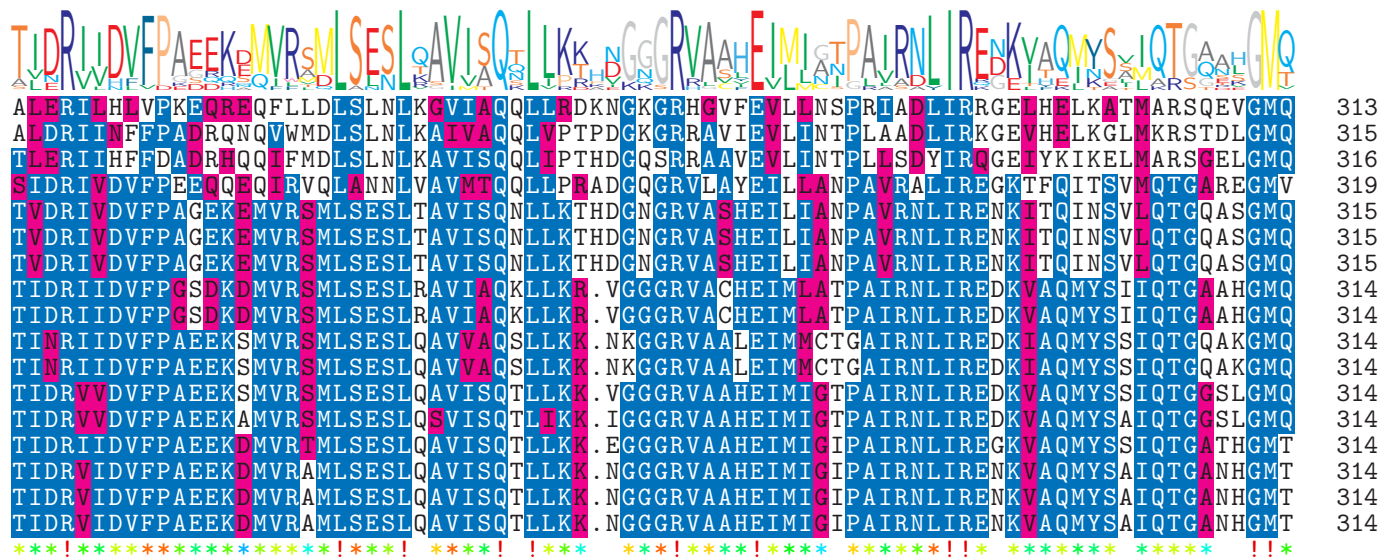
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NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 1307 DR RS10055 WP 010888596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 185246 A9Y61 RS10535 WP 064668862.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1185 GTF74 RS11940 WP 000350195.1
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NTDB id 1283 ACE17W RS02630 WP 010947729.1
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NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HON27 RS13360 WP 000355489.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
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NTDB id 1307 DR RS10055 WP 010888596.1
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NTDB id 185246 A9Y61 RS10535 WP 064668862.1
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NTDB id 1185 GTF74 RS11940 WP 000350195.1
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NTDB id 1194 PAKAF RS01995 WP 003084552.1
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NTDB id 1060 ABD1 RS04380 WP 000355489.1
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NTDB id 1081 FDQ49 RS05335 WP 006581387.1
consensus

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVVDKISEQDALHSADSANDLRLMLKTK.RGDDY...GSGSLQNVKI.....DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLG.SETDGEHLTSVS.QGLTL.....EMSDDDPGRSFR....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TFDQALFDLYDHQHSYADALKHADSPNNLRLQIKLS.EEANKPLDNRRERMSEMER.....KMTFDGQRRNLK....	383
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAIDPKEFARLANDASAGLGG.....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA	394
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGLIAPEVARRRAQNSESMSF.....	347
NTDB id 185246 A9Y61 RS10535 WP 064668862.1	TMDQSLQSLVRQGLIAPEAAARRRAQNSESMSF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGLIAPEAAARRRAQNSESMSF.....	347
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NTDB id 1259 GC085 RS10305 WP 010947729.1	TLDQHLTELNVNKNIISKHTAHEAALNK.SLF.....	344
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NTDB id 1194 PAKAF RS01995 WP 003084552.1	TLDMCLKGLVAKGLISRENAREKAKIP.ENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKQLLAKGIINLPTARAVAKSP.ESF.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLVSRGVISPQTARTAAKQP.ESFL.....	345
consensus	!*** * !* ***** * *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	APATPAAPAAACRSEPCRACCCFGRR	368
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 1307 DR RS10055 WP 010888596.1	APATPAAPAAAGRSEPGRAGGFGRR	418
NTDB id 1086 NMV RS00245 WP 002218487.1	.....	347
NTDB id 185246 A9Y61 RS10535 WP 064668862.1	.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.....	345
consensus		

- ☒ non conserved
- ☒ similar
- ☒ ≥ 50% conserved