

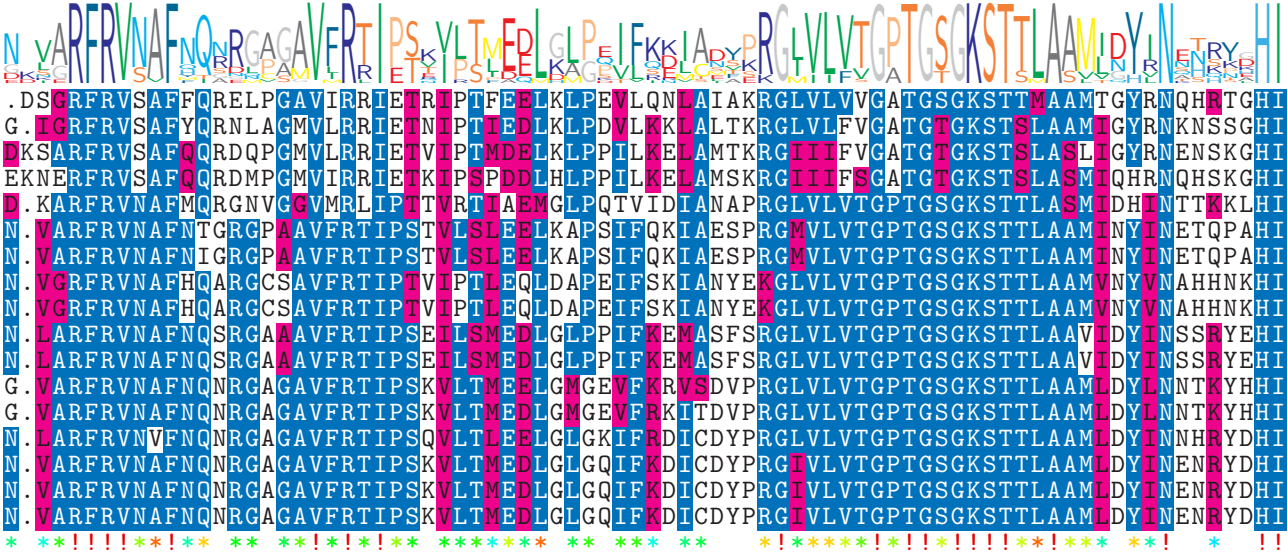
logo

NTDB id	1177	A1552VC	RS01165	WP	000422572.1
NTDB id	1203	PSJM300	01605	AFN76401.1	
NTDB id	269233	C3F22	RS10835	WP	005234318.1
NTDB id	1019	ACIAD	RS04205	WP	004922051.1
NTDB id	1307	DR	RS10055	WP	010888596.1
NTDB id	1116	NGFG	RS10615	WP	003690200.1
NTDB id	1086	NMV	RS00245	WP	002218487.1
NTDB id	1185	GTF74	RS11940	WP	000350195.1
NTDB id	1176	A1552VC	RS01160	WP	000350195.1
NTDB id	1283	ACE17W	RS02630	WP	010947729.1
NTDB id	1259	GC085	RS10305	WP	010947729.1
NTDB id	1194	PAKAF	RS01995	WP	003084552.1
NTDB id	1202	PSJM300	01600	AFN76400.1	
NTDB id	1020	ACIAD	RS04210	WP	01182164.1
NTDB id	1081	FDQ49	RS05335	WP	006581387.1
NTDB id	1060	ABD1	RS04380	WP	000355489.1
NTDB id	1040	HON27	RS13360	WP	000355489.1
consensus					



logo

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NTDB id	1203	PSJM300	01605	AFN76401.1	
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NTDB id	1060	ABD1	RS04380	WP	000355489.1
NTDB id	1040	HON27	RS13360	WP	000355489.1
consensus					



logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	LT	V	E	D	P	I	E	F	V	H	E	H	K	R	C	I	V	T	Q	R	E	V	G	L	D	T	S	Y	E	V	A	L	K	N	S	L	R	Q	A	P	M	I	L	I	G	E	I	R	S	R	E	T	M	E	Y	A	M	T	F	A	E	T	G	H	L	C	M	A	T	L	H	A	N	N	A	N	Q																																																																																																																																																																																																																																																																																																																																																																																																																																				
NTDB id 1203 PSJM300 01605 AFN76401.1	I	S	I	E	D	P	I	E	F	I	H	Q	H	Q	N	C	I	V	T	Q	R	E	V	G	I	D	T	S	F	E	V	A	L	K	N	T	L	R	Q	A	P	D	V	I	L	I	G	E	V	R	T	R	E	T	M	D	H	A	V	A	F	A	E	T	G	H	L	C	L	A	T	L	H	A	N	N	A	N	Q																																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB id 269233 C3F22 RS10835 WP 005234318.1	I	T	I	E	D	P	I	E	F	V	H	Q	K	G	C	I	I	T	Q	R	E	V	G	I	D	T	S	F	E	V	A	L	K	N	T	L	R	Q	A	P	D	V	I	L	I	G	E	I	R	S	R	E	T	M	D	Y	A	I	A	F	A	E	T	G	H	L	V	F	A	T	L	H	A	N	N	A	N	Q																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1019 ACIAD RS04205 WP 004922051.1	I	T	I	E	D	P	I	E	F	I	T	H	E	H	A	C	I	I	T	Q	R	E	V	G	I	D	T	S	F	E	I	A	L	K	N	T	L	R	Q	A	P	D	V	I	L	I	G	E	I	R	S	R	E	T	M	D	Y	A	I	A	F	A	E	T	G	H	L	V	F	A	T	L	H	A	N	N	A	N	Q																																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB id 1307 DR RS10055 WP 010888596.1	L	T	I	E	D	P	I	E	F	M	H	P	N	K	A	S	I	I	N	Q	R	E	V	G	S	D	T	L	S	F	D	D	A	L	R	A	A	L	R	Q	A	P	D	V	I	L	V	G	E	M	R	D	Y	E	T	I	K	A	A	V	T	A	A	E	T	G	H	L	V	M	G	T	L	H	T	N	S	A	P	E																																																																																																																																																																																																																																																																																																																																																																																																																																	
NTDB id 1116 NGFG RS10615 WP 003690200.1	L	T	I	E	D	P	I	E	F	V	H	Q	S	K	K	S	L	I	N	Q	R	E	L	H	Q	H	T	L	S	F	A	N	A	L	S	S	A	L	R	E	D	P	D	V	I	L	V	G	E	M	R	D	P	E	T	I	G	L	A	T	A	E	T	G	H	L	V	F	G	T	L	H	T	I	G	A	A	K																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1086 NMV RS00245 WP 002218487.1	L	T	I	E	D	P	I	E	F	V	H	Q	S	K	K	S	L	I	N	Q	R	E	L	H	Q	H	T	L	S	F	A	N	A	L	R	S	A	L	R	E	D	P	D	V	I	L	V	G	E	M	R	D	P	E	T	I	G	L	A	T	A	E	T	G	H	L	V	F	G	T	L	H	T	I	G	A	A	K																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1185 GTF74 RS11940 WP 000350195.1	L	T	I	E	D	P	I	E	F	V	H	S	N	N	K	C	L	I	N	Q	R	E	V	H	R	D	T	H	S	F	K	N	A	L	R	S	A	L	R	E	D	P	D	V	I	L	V	G	E	L	R	D	Q	E	T	I	S	L	A	T	A	E	T	G	H	L	V	F	G	T	L	H	T	S	S	A	A	K																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1176 A1552VC RS01160 WP 000350195.1	L	T	I	E	D	P	I	E	F	V	H	S	N	N	K	C	L	I	N	Q	R	E	V	H	R	D	T	H	S	F	K	N	A	L	R	S	A	L	R	E	D	P	D	V	I	L	V	G	E	L	R	D	Q	E	T	I	S	L	A	T	A	E	T	G	H	L	V	F	G	T	L	H	T	S	S	A	A	K																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1283 ACE17W RS02630 WP 010947729.1	L	T	V	E	D	P	I	E	F	V	H	Q	S	K	K	L	V	N	Q	R	E	V	H	K	D	T	L	S	F	N	A	A	L	R	S	A	L	R	E	D	P	D	I	I	L	V	G	E	L	R	D	L	E	T	I	R	L	A	M	T	A	E	T	G	H	L	V	F	G	T	L	H	T	N	S	A	T	K																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1259 GC085 RS10305 WP 010947729.1	L	T	V	E	D	P	I	E	F	V	H	Q	S	K	K	L	V	N	Q	R	E	V	H	K	D	T	L	S	F	N	A	A	L	R	S	A	L	R	E	D	P	D	I	I	L	V	G	E	L	R	D	L	E	T	I	R	L	A	M	T	A	E	T	G	H	L	V	F	G	T	L	H	T	N	S	A	T	K																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1194 PAKAF RS01995 WP 003084552.1	L	T	I	E	D	P	I	E	F	V	H	S	K	K	C	L	V	N	Q	R	E	V	H	R	D	T	L	G	F	S	E	A	L	R	S	A	L	R	E	D	P	D	I	I	L	V	G	E	M	R	D	L	E	T	I	R	L	A	T	A	E	T	G	H	L	V	F	G	T	L	H	T	I	S	A	A	K																																																																																																																																																																																																																																																																																																																																																																																																																																				
NTDB id 1202 PSJM300 01600 AFN76400.1	L	T	I	E	D	P	I	E	F	V	H	S	K	K	C	L	V	N	Q	R	E	V	H	R	D	T	L	G	F	S	E	A	L	R	S	A	L	R	E	D	P	D	I	I	L	V	G	E	M	R	D	L	E	T	I	R	L	A	T	A	E	T	G	H	L	V	F	G	T	L	H	T	I	S	A	A	K																																																																																																																																																																																																																																																																																																																																																																																																																																				
NTDB id 1020 ACIAD RS04210 WP 011182164.1	L	T	V	E	D	P	I	E	F	V	H	E	P	K	K	C	L	I	N	Q	R	E	V	H	R	D	T	L	G	F	N	E	A	L	R	S	A	L	R	E	D	P	D	I	I	L	V	G	E	M	R	D	L	E	T	I	R	L	A	T	A	E	T	G	H	L	V	F	G	T	L	H	T	I	S	A	A	K																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	L	T	V	E	D	P	I	E	F	V	H	Q	S	K	K	C	L	I	N	Q	R	E	V	H	R	D	T	H	G	F	N	E	A	L	R	S	A	L	R	E	D	P	D	I	I	L	V	G	E	M	R	D	L	E	T	I	R	L	A	T	A	E	T	G	H	L	V	F	G	T	L	H	T	I	S	A	A	K																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1060 ABD1 RS04380 WP 000355489.1	L	T	V	E	D	P	I	E	F	V	H	Q	S	K	K	C	L	I	N	Q	R	E	V	H	R	D	T	H	G	F	N	E	A	L	R	S	A	L	R	E	D	P	D	I	I	L	V	G	E	M	R	D	L	E	T	I	R	L	A	T	A	E	T	G	H	L	V	F	G	T	L	H	T	I	S	A	A	K																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1040 HON27 RS13360 WP 000355489.1	L	T	V	E	D	P	I	E	F	V	H	Q	S	K	K	C	L	I	N	Q	R	E	V	H	R	D	T	H	G	F	N	E	A	L	R	S	A	L	R	E	D	P	D	I	I	L	V	G	E	M	R	D	L	E	T	I	R	L	A	T	A	E	T	G	H	L	V	F	G	T	L	H	T	I	S	A	A	K																																																																																																																																																																																																																																																																																																																																																																																																																																			
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NTDB id 1177 A1552VC RS01165 WP 000422572.1	ALERTIHIVPKEQREQFL	LDLSLNLKGVIAQQL	LRDKNGKGRHGVFEVL	LNSPRIADLIRRGEL	HELKATMARSQEVGMQ	313
NTDB id 1203 PSJM300 01605 AFN76401.1	ALDRRIINFFPADRQ	NQVWMDLSLNLKAI	VAAQQLVPTPDGKGRRA	VIEVLINTPLAADLIRK	GEVHELKGLMKRSTDLGMQ	315
NTDB id 269233 C3F22 RS10835 WP 005234318.1	AIDRIIHFFFEVDRHS	QLFMDLSLNLKAI	VAAQQLIPTIDGNGRRA	AIEILINSPLIADLIRK	GDVHEIKDLMKRSRELGMQ	316
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TLERIIHFFFDADR	HQQIFMDLSLNLK	AVISQQLIPTHDGQS	RRAAVEVLINTPLLS	DYIRQGEITYKIKELMARS	GELGMQ 316
NTDB id 1307 DR RS10055 WP 010888596.1	SIDRIVDVFPPEEQ	QEQRVQLANNLV	AVMTQQLLRADGGQ	GRVLAYEILLANPAVR	ALIREGKTFQITSVMQTGA	REGMV 319
NTDB id 1116 NGFG RS10615 WP 003690200.1	TVDRIVDVFPAGEK	EMVRSMLSESLT	AVISQNLKTHDGN	GRVASHEILIANPAVR	NLIRENKITQINSVLQT	GQASGMQ 315
NTDB id 1086 NMV RS00245 WP 002218487.1	TVDRIVDVFPAGEK	EMVRSMLSESLT	AVISQNLKTHDGN	GRVASHEILIANPAVR	NLIRENKITQINSVLQT	GQASGMQ 315
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TIDRIIDVFP	PGSDKDMVRSML	SESLRAVIAQKLLK	R.VGGGRVACHEIM	LATPAIRNLIREDKVAQ	MYSSIIQTGA AHGMQ 314
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TIDRIIDVFP	PGSDKDMVRSML	SESLRAVIAQKLLK	R.VGGGRVACHEIM	LATPAIRNLIREDKVAQ	MYSSIIQTGA AHGMQ 314
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TINRIIDVFP	PAEEKSMVRSML	SESLQAVVAQSLLK	K.NKGGRVAALEIM	MCTGAIRNLIREDKIA	QMYSSIQTGQAKGMQ 314
NTDB id 1259 GC085 RS10305 WP 010947729.1	TINRIIDVFP	PAEEKSMVRSML	SESLQAVVAQSLLK	K.NKGGRVAALEIM	MCTGAIRNLIREDKIA	QMYSSIQTGQAKGMQ 314
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TIDRVVDVFP	PAEEKAMVRSML	SESLQSVISQTLIK	K.IGGGRVAAHEIM	IGTPAIRNLIREDKVAQ	MYSAIQTGGS LGMQ 314
NTDB id 1202 PSJM300 01600 AFN76400.1	TIDRVVDVFP	PAEEKSMVRSML	SESLQAVISQTLIK	K.VGGGRVAAHEIM	IGTPAIRNLIREDKVAQ	MYSSIQTGGS LGMQ 314
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TIDRIIDVFP	PAEEKDMVRTML	SESLQAVISQTLIK	K.EGGGRVAAHEIM	IGIPAIRNLIREDKVAQ	MYSSIQTGATHGMT 314
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TIDRVVIDVFP	PAEEKDMVRAML	SESLQAVISQTLIK	K.NGGGRVAAHEIM	IGIPAIRNLIRENKVAQ	MYSAIQTGANHGM 314
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TIDRVVIDVFP	PAEEKDMVRAML	SESLQAVISQTLIK	K.NGGGRVAAHEIM	IGIPAIRNLIRENKVAQ	MYSAIQTGANHGM 314
NTDB id 1040 HON27 RS13360 WP 000355489.1	TIDRVVIDVFP	PAEEKDMVRAML	SESLQAVISQTLIK	K.NGGGRVAAHEIM	IGIPAIRNLIRENKVAQ	MYSAIQTGANHGM 314
consensus	***!*****	*****	*!*****	*****	***!*****!*****	!!*

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVVDKISEQDALHSADSandLRLMLKTKRGDDYGGSLQNVKI.....DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDG..EHLTSVSQG..L..TLEMSDDDPGRSFR.....	381
NTDB id 269233 C3F22 RS10835 WP 005234318.1	TFDQALYDLYKAKQISYKDALKHADSPNDLRLQIKLSEEGGE..H.LL.....RA..HSNITFDGQT.....	373
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANK..P.LDNRERMSEM..ERKMTFDGQRRNLK.....	383
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAID.PKEFARLANDASAGLGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAAPAT	398
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGGLIAPEAARRRAQNSEMSF.....	347
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGGLIAPEVARRRAQNSEMSF.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TMEQNAKQLIARGVVDQEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TMEQNAKQLIARGVVDQEVQSKIELDLKAF.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TLDQHLTELVNKNIISKHTAHEAALN.KSLF.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	TLDQHLTELVNKNIISKHTAHEAALN.KSLF.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TLDMCLKGLVAKGLISRENAREKAKI.PENF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	TLDSCCLKGLLAKGLISRDSAKEKAKQ.PENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKQLLAKGIINLPTARAVAKS.PESF.....	344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLVSRGVISPQTARTAAKQ.PESFL.....	345
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQ.PESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQ.PESFL.....	345
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NTDB id 1177 A1552VC RS01165 WP 000422572.1	PAAPAAGRSEPRAGGFGRR	368
NTDB id 1203 PSJM300 01605 AFN76401.1		381
NTDB id 269233 C3F22 RS10835 WP 005234318.1	.....	373
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 1307 DR RS10055 WP 010888596.1	PAAPAAGRSEPRAGGFGRR	418
NTDB id 1116 NGFG RS10615 WP 003690200.1	.....	347
NTDB id 1086 NMV RS00245 WP 002218487.1	.....	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 1194 PAKAF RS01995 WP 003084552.1	.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	.....	344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.....	345
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	.....	345
consensus		

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