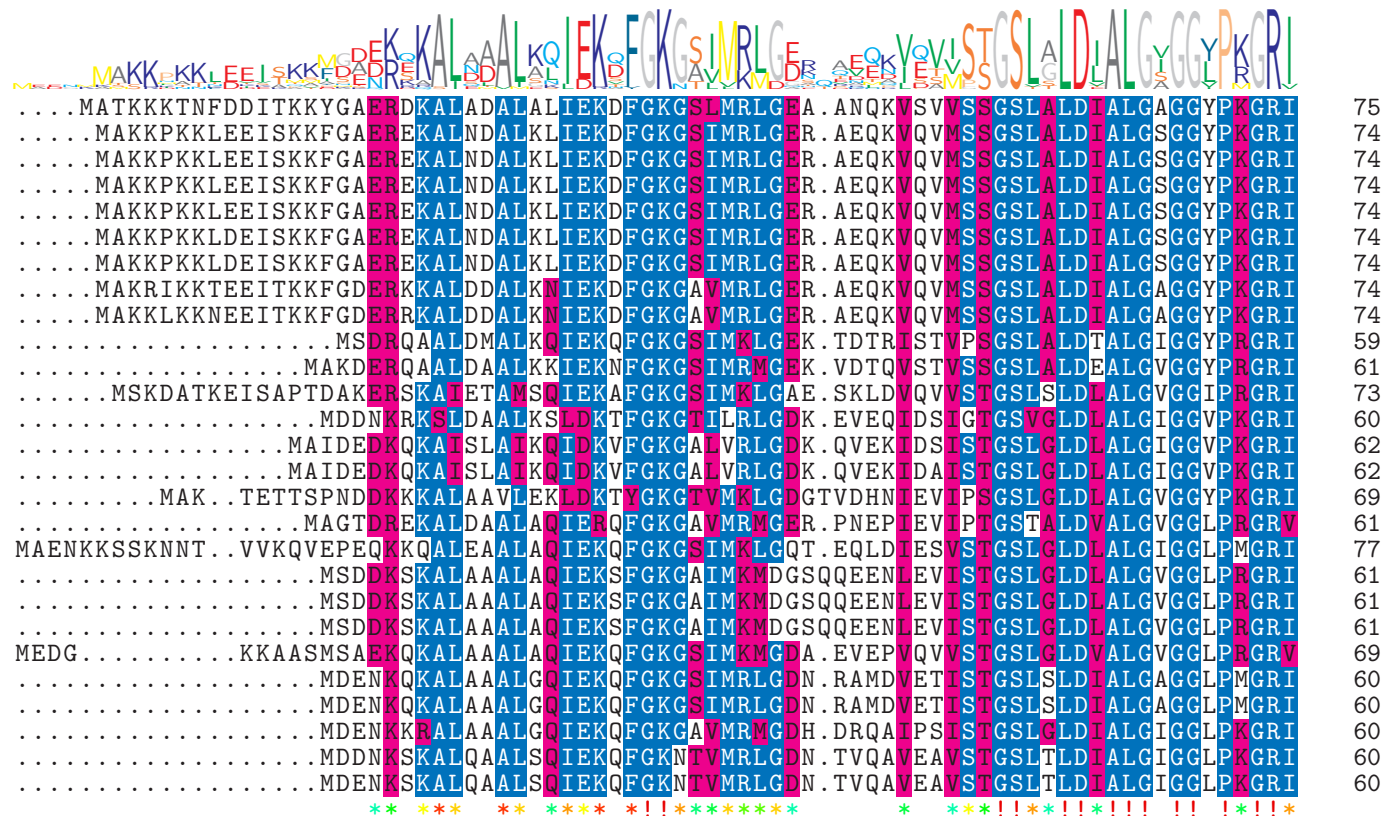


```

NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
NTDB id 228 SPD RS09265 WP 001085462.1
NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 1313 DR RS12030 WP 010888966.1
NTDB id 1245 Cj1673c YP 002345041.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1334 RAOC RS04870 WP 004918236.1
NTDB id 42835 SBI RS16310 WP 014175937.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1130 NGFG RS03960 WP 003688695.1
NTDB id 1124 NGFG RS03960 WP 003688695.1
NTDB id 1123 OK783 RS03845 WP 003688695.1
NTDB id 1427 RS RS02760 WP 011000510.1
NTDB id 1165 A1552VC RS01565 WP 000344154.1
NTDB id 1142 GTF74 RS11550 WP 000344154.1
NTDB id 1205 PSJM300 05545 AFN77183.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
consensus

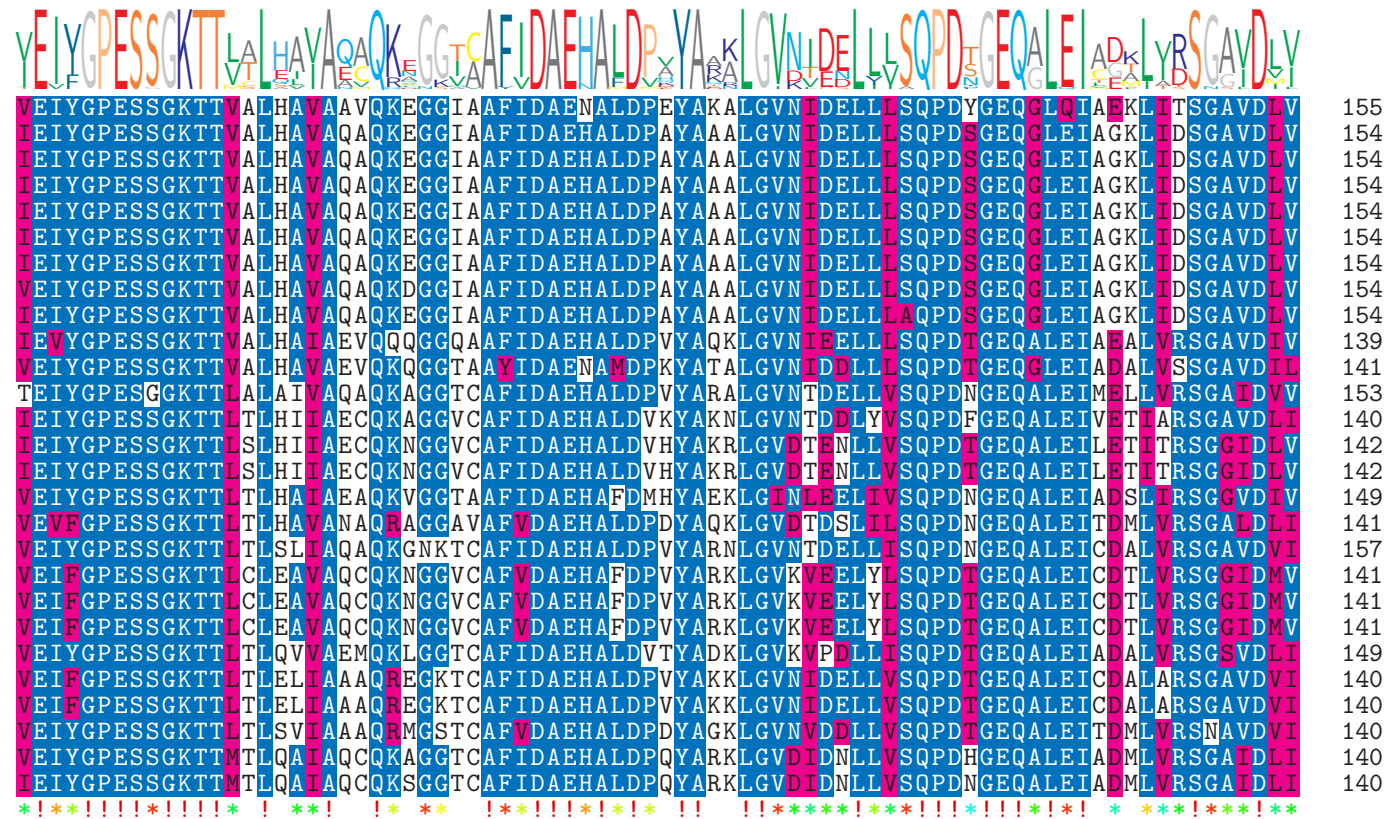
```



```

NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
NTDB id 228 SPD RS09265 WP 001085462.1
NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 1313 DR RS12030 WP 010888966.1
NTDB id 1245 Cj1673c YP 002345041.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1334 RAOC RS04870 WP 004918236.1
NTDB id 42835 SBI RS16310 WP 014175937.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1130 NGFG RS03960 WP 003688695.1
NTDB id 1124 NGFG RS03960 WP 003688695.1
NTDB id 1123 OK783 RS03845 WP 003688695.1
NTDB id 1427 RS RS02760 WP 011000510.1
NTDB id 1165 A1552VC RS01565 WP 000344154.1
NTDB id 1142 GTF74 RS11550 WP 000344154.1
NTDB id 1205 PSJM300 05545 AFN77183.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
consensus

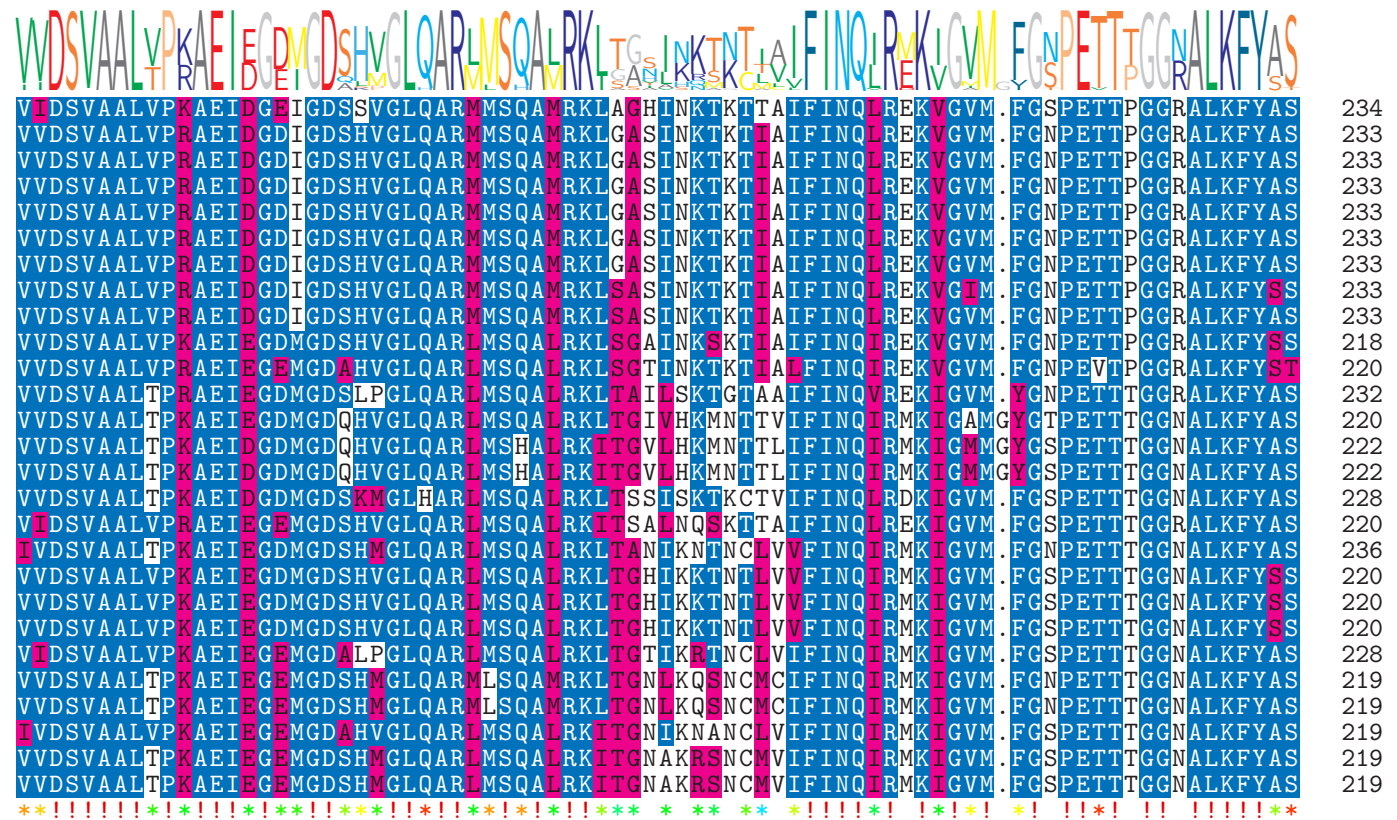
```



```

NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
NTDB id 228 SPD RS09265 WP 001085462.1
NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 1313 DR RS12030 WP 010888966.1
NTDB id 1245 Cj1673c YP 002345041.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1334 RAOC RS04870 WP 004918236.1
NTDB id 42835 SBI RS16310 WP 014175937.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1130 NGFG RS03960 WP 003688695.1
NTDB id 1124 NGFG RS03960 WP 003688695.1
NTDB id 1123 OK783 RS03845 WP 003688695.1
NTDB id 1427 RS RS02760 WP 011000510.1
NTDB id 1165 A1552VC RS01565 WP 000344154.1
NTDB id 1142 GTF74 RS11550 WP 000344154.1
NTDB id 1205 PSJM300 05545 AFN77183.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
consensus

```



logo

NTDB id 600 KW2 RS01765 WP 011675413.1	VR	L	D	V	R	G	S	T	K	I	E	E	G	S	.	G	D	N	K	T	Q	I	G	K	I	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	V	A	L	V	D	I	M	F	G	E	G	I	S	T	G	E	L	I	N	I	A	V	E	E	G	I	T	K	K	S	G	A	W	F	A	Y	N	D	313					
NTDB id 269 KZH43 RS08665 WP 001085462.1	VR	L	D	V	R	G	N	T	Q	I	K	G	T	G	.	D	Q	K	E	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	E	A	V	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	T	K	K	A	G	A	W	Y	S	Y	K	D	312				
NTDB id 228 SPD RS09265 WP 001085462.1	VR	L	D	V	R	G	N	T	Q	I	K	G	T	G	.	D	Q	K	E	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	E	A	V	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	T	K	K	A	G	A	W	Y	S	Y	K	D	312				
NTDB id 194 SPR RS08825 WP 001085462.1	VR	L	D	V	R	G	N	T	Q	I	K	G	T	G	.	D	Q	K	E	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	E	A	V	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	T	K	K	A	G	A	W	Y	S	Y	K	D	312				
NTDB id 159 SP RS09750 WP 001085462.1	VR	L	D	V	R	G	N	T	Q	I	K	G	T	G	.	D	Q	K	E	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	E	A	V	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	T	K	K	A	G	A	W	Y	S	Y	K	D	312				
NTDB id 499 SM12261 RS08315 WP 078228268.1	VR	L	D	V	R	G	S	T	Q	I	K	G	T	G	.	D	Q	K	D	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	E	A	F	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	T	K	K	A	G	A	W	Y	S	Y	K	D	312				
NTDB id 527 SMSK321 RS11065 WP 001085454.1	VR	L	D	V	R	G	S	T	Q	I	K	G	T	G	.	D	Q	K	D	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	E	A	F	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	T	K	K	A	G	A	W	Y	S	Y	K	D	312				
NTDB id 408 SMU RS09530 WP 002262392.1	VR	L	D	V	R	G	N	T	Q	I	K	G	T	G	.	E	Q	K	D	S	N	I	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	E	A	F	V	E	I	T	Y	G	E	G	I	S	R	T	G	E	L	V	K	I	A	S	D	L	G	I	T	K	K	A	G	A	W	Y	S	Y	N	G	312				
NTDB id 453 Spy49 1753c ACI62003.1	VR	L	D	V	R	G	T	T	Q	I	K	G	T	G	.	D	Q	K	D	S	S	I	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	V	A	E	V	E	I	M	Y	G	E	G	I	S	R	T	G	E	L	V	K	I	A	S	D	L	D	I	T	K	K	A	G	A	W	F	S	Y	N	G	312				
NTDB id 115 BSU 16940 NP 389576.2	VR	L	E	V	R	R	A	E	Q	L	K	Q	G	N	.	.	.	.	.	.	D	M	G	N	K	T	K	I	K	V	V	K	N	K	V	A	P	P	F	R	T	A	E	V	D	I	M	Y	G	E	G	I	S	K	E	G	E	I	I	D	L	G	T	E	L	D	I	V	Q	K	S	G	S	W	Y	S	Y	E	E	293				
NTDB id 625 LCA RS02525 WP 011374196.1	VR	L	E	V	R	R	A	E	T	I	K	N	G	T	.	.	.	.	.	.	D	M	I	G	N	R	A	R	I	K	V	V	K	N	K	V	A	P	P	F	K	V	A	E	V	D	I	M	Y	G	Q	G	I	S	R	T	G	E	L	V	D	M	A	V	E	K	D	I	I	N	K	S	G	S	W	Y	S	Y	G	S	295			
NTDB id 1313 DR RS12030 WP 010888966.1	VR	L	D	V	R	K	I	G	Q	.	.	.	.	.	.	P	T	K	V	G	N	D	A	V	A	N	T	V	K	I	K	T	V	K	N	K	V	A	A	P	F	K	E	V	E	L	A	L	V	Y	G	K	G	F	D	Q	L	S	D	L	V	L	G	A	A	D	M	D	I	T	K	K	A	G	S	F	Y	S	Y	G	D	308		
NTDB id 1245 Cj1673c YP 002345041.1	VR	L	D	V	R	K	V	A	T	.	.	.	.	.	.	L	.	K	Q	N	.	E	E	P	I	G	N	R	V	K	V	V	K	N	K	V	A	P	P	F	R	Q	A	E	F	D	V	M	F	G	E	G	L	S	R	E	G	E	L	I	D	Y	G	V	K	L	D	I	V	D	K	S	G	A	W	F	S	Y	K	D	295			
NTDB id 1211 C694 RS00795 WP 000963128.1	VR	I	D	I	R	R	I	A	S	.	.	.	.	.	.	L	.	K	Q	N	.	E	Q	H	I	G	N	R	A	K	A	K	V	V	K	N	K	V	A	P	P	F	R	E	A	E	F	D	I	M	F	G	E	G	I	S	K	E	G	E	I	I	D	Y	G	V	K	L	D	I	V	D	K	S	G	A	W	L	S	Y	Q	D	297	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	VR	I	D	I	R	R	I	A	A	.	.	.	.	.	.	L	.	K	Q	N	.	E	Q	H	I	G	N	R	A	K	A	K	V	V	K	N	K	V	A	P	P	F	R	E	A	E	F	D	I	M	F	G	E	G	I	S	K	E	G	E	I	I	D	Y	G	V	K	L	D	I	V	D	K	S	G	A	W	L	S	Y	Q	D	297	
NTDB id 1334 RAOC RS04870 WP 004918236.1	VR	I	D	I	R	R	S	L	S	D	T	G	K	I	K	D	K	S	G	E	V	I	G	N	R	T	K	V	K	V	V	K	N	K	V	A	P	P	F	K	S	A	E	F	D	I	M	Y	G	E	G	V	S	K	V	G	E	I	L	D	V	A	T	D	L	D	I	I	Q	K	S	G	S	W	F	S	Y	Q	D	308				
NTDB id 42835 SBI RS16310 WP 014175937.1	VR	L	D	I	R	R	I	E	T	.	.	.	.	.	.	L	.	K	D	G	T	E	A	V	G	N	R	T	R	V	K	V	V	K	N	K	V	A	P	P	F	K	Q	A	E	F	D	I	L	Y	G	Q	G	I	S	R	E	G	G	L	I	D	M	G	V	E	H	G	F	V	R	K	S	G	A	W	Y	T	Y	E	G	295		
NTDB id 1389 A4U84 RS07560 WP 021112712.1	VR	L	D	I	R	R	C	G	V	.	.	.	.	.	.	V	.	K	D	G	.	D	E	I	I	G	S	E	T	K	V	K	V	V	K	N	K	V	A	P	P	F	R	E	V	Q	F	D	I	M	Y	G	E	G	I	S	R	M	N	E	L	L	I	L	A	E	A	N	G	F	I	K	K	S	G	A	W	F	S	Y	D	G	311	
NTDB id 1130 NGFG RS03960 WP 003688695.1	VR	L	D	I	R	R	T	G	S	.	.	.	.	.	.	I	.	K	K	G	.	E	E	V	L	G	N	E	T	R	V	K	V	I	K	N	K	V	A	P	P	F	R	Q	A	E	F	D	I	L	Y	G	E	G	I	S	W	E	G	E	L	I	D	I	G	V	K	N	D	I	I	N	K	S	G	A	W	Y	S	Y	N	G	295	
NTDB id 1124 NGFG RS03960 WP 003688695.1	VR	L	D	I	R	R	T	G	S	.	.	.	.	.	.	I	.	K	K	G	.	E	E	V	L	G	N	E	T	R	V	K	V	I	K	N	K	V	A	P	P	F	R	Q	A	E	F	D	I	L	Y	G	E	G	I	S	W	E	G	E	L	I	D	I	G	V	K	N	D	I	I	N	K	S	G	A	W	Y	S	Y	N	G	295	
NTDB id 1123 OK783 RS03845 WP 003688695.1	VR	L	D	I	R	R	T	G	S	.	.	.	.	.	.	I	.	K	K	G	.	E	E	V	L	G	N	E	T	R	V	K	V	I	K	N	K	V	A	P	P	F	R	Q	A	E	F	D	I	L	Y	G	E	G	I	S	W	E	G	E	L	I	D	I	G	V	K	N	D	I	I	N	K	S	G	A	W	Y	S	Y	N	G	295	
NTDB id 1427 RS RS02760 WP 011000510.1	VR	L	D	I	R	R	I	G	S	.	.	.	.	.	.	I	.	K	K	G	.	D	E	V	V	G	N	E	T	K	V	K	V	V	K	N	K	V	A	P	P	F	R	E	A	I	F	D	I	L	Y	G	A	G	V	S	R	E	G	E	I	I	D	L	G	V	E	A	K	V	V	E	K	S	G	A	W	Y	S	Y	N	G	303	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	VR	L	D	I	R	R	T	G	A	.	.	.	.	.	.	I	.	K	E	G	.	E	E	V	V	G	N	E	T	R	I	K	V	V	K	N	K	I	A	A	P	F	K	E	A	N	T	Q	I	M	Y	G	Q	G	F	N	R	E	G	E	L	I	D	L	G	V	K	H	K	M	V	E	K	S	G	A	W	Y	S	Y	N	G	294	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	VR	L	D	I	R	R	T	G	A	.	.	.	.	.	.	I	.	K	E	G	.	E	E	V	V	G	N	E	T	R	I	K	V	V	K	N	K	I	A	A	P	F	K	E	A	N	T	Q	I	M	Y	G	Q	G	F	N	R	E	G	E	L	I	D	L	G	V	K	H	K	M	V	E	K	S	G	A	W	Y	S	Y	N	G	294	
NTDB id 1205 PSJM300 05545 AFN77183.1	VR	L	D	I	R	R	T	G	A	.	.	.	.	.	.	V	.	K	E	G	.	D	E	V	V	G	S	E	T	R	V	K	V	V	K	N	K	V	A	P	P	F	R	Q	A	E	F	Q	I	L	Y	G	K	G	I	Y	R	N	G	E	I	I	D	L	G	V	Q	Q	L	V	E	K	S	G	A	W	Y	A	Y	K	G	294		
NTDB id 1022 ACIAD RS06390 WP 004925639.1	VR	L	D	I	R	R	I	G	Q	.	.	.	.	.	.	V	.	K	E	G	.	D	E	I	I	G	S	E	T	K	V	K	V	V	K	N	K	M	A	P	P	F	R	E	A	I	F	Q	I	L	Y	G	K	G	V	N	Q	L	G	E	L	V	D	L	A	V	Q	Q	N	I	V	Q	K	A	G	A	W	Y	S	Y	Q	G	294	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	VR	L	D	I	R	R	I	G	Q	.	.	.	.	.	.	V	.	K	E	G	.	D	E	I	I	V	G	S	E	T	K	V	K	V	V	K	N	K	M	A	P	P	F	K	E	A	I	F	Q	I	L	Y	G	K	G	T	N	Q	L	G	E	L	V	D	L	A	V	Q	Q	D	I	V	Q	K	A	G	A	W	Y	S	Y	Q	G	294
consensus	!	!	*	*	*	*	*	!	*		*						*	*	*	*	*	*	*	!	*	!	!	!	!	!	!	!	!	*	*																																																	

logo

NTDB id 600 KW2 RS01765 WP 011675413.1	EKIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHG	LLDDSEVAETEEETT	ASKTK	AKAKKEEKAVETEEI	EL	383	
NTDB id 269 KZH43 RS08665 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKK	DE	PKKEEA	VNEEVPL	376	
NTDB id 228 SPD RS09265 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKK	DE	PKKEEA	VNEEVPL	376	
NTDB id 194 SPR RS08825 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKK	DE	PKKEEA	VNEEVPL	376	
NTDB id 159 SP RS09750 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKK	DE	PKKEEA	VNEEVPL	376	
NTDB id 499 SM12261 RS08315 WP 078228268.1	EKIGQGS	ENAKKYLADNPEIF	DEIDHQVRVQFGL	IDGEEIAES	KKDE	AAQVDS	VNEEVT	372	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EKIGQGS	ENAKKYLADNPEVFAE	IDHQVRVQFGL	IDGEEAAES	KKDE	VAQVDS	VNEEVT	372	
NTDB id 408 SMU RS09530 WP 002262392.1	EKIGQGS	ENAKKFLADNPEIF	DDIDHKVRVQYGL	IEEDNTEEKQSSKEK		ETDEK	ADKNLVL	373	
NTDB id 453 Spy49 1753c ACI62003.1	EKIGQGS	ENAKRYLADHPQLF	DEIDRKVRVKFGL	LEESEESAMAVASE		E	TDDLAL	368	
NTDB id 115 BSU 16940 NP 389576.2	ERLGGG	RENAKQFLKENKDIMLM	IQEQIREHYGL	DNNGVVQQAEETQE	EL	E	FE	348	
NTDB id 625 LCA RS02525 WP 011374196.1	ERIGQG	RENAKNYLADHEDVE	DEVRLKVRAAYG	ISDVPEEDLPTTEDE	QI	N	ILPDDST	EE	355
NTDB id 1313 DR RS12030 WP 010888966.1	ERIGQG	KEKTIAIYTAERP	EMEQEIRDRVMAA	IRAGNAGEAPALAP		APA	PEAAEA	363	
NTDB id 1245 Cj1673c YP 002345041.1	KKLGGG	RENSKAFLEKENPEIA	DEITKAIQNSMG	TEGMISGSEDDEGEE				343	
NTDB id 1211 C694 RS00795 WP 000963128.1	KKLGGG	RENAKALLKEDKALADE	ITLKIKESIGS	NEEIMPLPDEPLEEME				347	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	KKLGGG	RENAKALLKEDKALADE	ITLKIKESIGS	NEEIMPLPDEPLEEME				347	
NTDB id 1334 RAOC RS04870 WP 004918236.1	TKLGGG	RDTVKELIKDNPELA	EELEAKIREKLQAK					343	
NTDB id 42835 SBI RS16310 WP 014175937.1	DQLGGG	KENARNFLKDNPDLANE	IERKIKEKLG	IGVKREEPAVEPGA	DAAAPAAAPAAAPVKAAPATAAKAGTKAAKTA			374	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	TKIGQG	KNNAVKWLKENPEIA	DKLEQEIRNTLAS	NPNSVLKATASDSNDE	SDVEEFSEEL			372	
NTDB id 1130 NGFG RS03960 WP 003688695.1	AKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNGV	EMHITEGT	QDET	DGERPEE		348	
NTDB id 1124 NGFG RS03960 WP 003688695.1	AKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNGV	EMHITEGT	QDET	DGERPEE		348	
NTDB id 1123 OK783 RS03845 WP 003688695.1	AKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNGV	EMHITEGT	QDET	DGERPEE		348	
NTDB id 1427 RS RS02760 WP 011000510.1	ERIGQG	RDNCREFLRENAELARE	IEENKVREHLGV	TPMGAV	TLAEEVEED			352	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	DKIGQG	KANACKYLLKENPEIA	KTLDKKLREMLLN	PNENMLIAETSSAADD	VEFGAVPEEF			354	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	DKIGQG	KANACKYLLKENPEIA	KTLDKKLREMLLN	PNENMLIAETSSAADD	VEFGAVPEEF			354	
NTDB id 1205 PSJM300 05545 AFN77183.1	SKIGQG	KANAACKYLEENPEIG	QIEEQIRAKLL	VSANTKATPVAEDLAD	ADI			347	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	NKIGQG	KNNVIRYLEENPQISTE	IEAVIREQLLTKASD	QTAA	HDETEEPDLL	ES		349	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	NKIGQG	KNNVIRYFEENNQIAE	EIERNIREQLLTTGT	NGAVQ	I	EDEEPDLL	LES	349	
consensus	**!!!*****	* * *****	*****	*****	* *	* *		*	

logo

		DLGDELEIEIEE	
NTDB id 600 KW2 RS01765 WP 011675413.1	ELED.....	387	
NTDB id 269 KZH43 RS08665 WP 001085462.1	DLGDELEIEIEE	388	
NTDB id 228 SPD RS09265 WP 001085462.1	DLGDELEIEIEE	388	
NTDB id 194 SPR RS08825 WP 001085462.1	DLGDELEIEIEE	388	
NTDB id 159 SP RS09750 WP 001085462.1	DLGDELEIEIEE	388	
NTDB id 499 SM12261 RS08315 WP 078228268.1	DLGDELEIEIEE	384	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	DLGDELEIEIEE	384	
NTDB id 408 SMU RS09530 WP 002262392.1	ELDDTIELED..	383	
NTDB id 453 Spy49 1753c ACI62003.1	DLDNIEIEIED..	378	
NTDB id 115 BSU 16940 NP 389576.2	.....	348	
NTDB id 625 LCA RS02525 WP 011374196.1	.....	355	
NTDB id 1313 DR RS12030 WP 010888966.1	.....	363	
NTDB id 1245 Cj1673c YP 002345041.1	.....	343	
NTDB id 1211 C694 RS00795 WP 000963128.1	.....	347	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....	347	
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....	343	
NTDB id 42835 SBI RS16310 WP 014175937.1	A.AKS.....	378	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.....	372	
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....	348	
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....	348	
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....	348	
NTDB id 1427 RS RS02760 WP 011000510.1	.....	352	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....	354	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....	354	
NTDB id 1205 PSJM300 05545 AFN77183.1	.....	347	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....	349	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....	349	
consensus			

- X non conserved
- X similar
- X ≥ 50% conserved