

NTDB id 281	KZH43 RS03550 WP 000882517.1	MLCQNCKINDS.	11
NTDB id 245	SPD RS03860 WP 000882517.1	MLCQNCKINDS.	11
NTDB id 243	SPR RS03635 WP 000882517.1	MLCQNCKINDS.	11
NTDB id 241	SP RS04015 WP 000882523.1	MLCQNCKINDS.	11
NTDB id 85	BSU 00860 NP 387967.1	..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGIAAKALQALGLGSEKIQKEVESLIGRG.....	71
NTDB id 610	V4T04 RS10165 WP 012897346.1	MKFENIKYPTLDRILEKAEYYAHQVQYGTIESAHLIAAMATTSGSIAYSLLAGMNVDSDDLID.....LEDLSSH	72
NTDB id 287	SP RS11210 WP 001109712.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNNHSYSVAGATLNDYPYEMDRLE....EVALELTETDYS	70
NTDB id 290	KZH43 RS10025 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNNHSYSVAGATLNDYPYEMDRLE....EVALELTETDYS	70
NTDB id 289	SPD RS10700 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNNHSYSVAGATLNDYPYEMDRLE....EVALELTETDYS	70
NTDB id 297	STER RS00545 WP 011680614.1	MTIYSRKMQAIFHRAQLEAERFESPFLFTWHVLLAMVEVTGSAVYLTFTDFEDRIHSEEIETAAVLAMEKRPKDLS	76
NTDB id 329	STU RS10020 WP 011225298.1	MTIYSRKMQAIFHRAQLEAERFESPFLFTWHVLLAMVEVPGSAVYLTFTDFEDRIHSEEIETAAVLAMEKRPKDLS	76
NTDB id 1128155	FGL17 RS09160 WP 093959022.1	MIDYSLKMQEIFKQAYYQAAARFDSQYLETWHLLIAMSNNHSYSVAGATLNDYPYEMDRLE....EVALELTETDYS	76
NTDB id 377	SMU RS09275 WP 002262344.1	MTDYSLKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSVAAGLSFAEFADVRVFEDYQAAAILAIGKKPKSSS	76
consensus		*** ** * * *	

NTDB id 281	KZH43 RS03550 WP 000882517.1	...TIHLYTNLNGKQKQIDLCQNCYKII...KTDPNNSLFKGM...TDLNNRDFDPFGDFFNDLN.....	67
NTDB id 245	SPD RS03860 WP 000882517.1	...TIHLYTNLNGKQKQIDLCQNCYKII...KTDPNNSLFKGM...TDLNNRDFDPFGDFFNDLN.....	67
NTDB id 243	SPR RS03635 WP 000882517.1	...TIHLYTNLNGKQKQIDLCQNCYKII...KTDPNNSLFKGM...TDLNNRDFDPFGDFFNDLN.....	67
NTDB id 241	SP RS04015 WP 000882523.1	...TIHLYTNLNGKQKQIDLCQNCYKII...KTDPNNSLFKGM...TDLNNRDFDPFGDFFNDLN.....	67
NTDB id 85	BSU 00860 NP 387967.1	.QEMSQTIIHYTPRAKKVIELSMDEARKLGHSYVGTEHILLGLIREGEGVAARVLNNLGVSLNKARQQVLQLLGSNET...	147
NTDB id 610	V4T04 RS10165 WP 012897346.1	VKVKRSTLRFSPPRAEEVMTAASFIAIHNNSEAVGTEHLLYALLQVEDGFGFLQLLKL.....QKINIVSLRKLELEK	142
NTDB id 287	SP RS11210 WP 001109712.1	QDETFTTELPFSRRLQVLFDFAEYVASVVHAKVLGTEHVLVAILHDSNALATRILERAAGFSYEDKKD.QVKITAAALRRNLEE	149
NTDB id 290	KZH43 RS10025 WP 001109677.1	QDETFTTELPFSRRLQILFDFAEYVASVVHAKVLGTEHVLVAILHDGNALATRILERAAGFSYEDKKD.QVKITAAALRRNLEE	149
NTDB id 289	SPD RS10700 WP 001109677.1	QDETFTTELPFSRRLQILFDFAEYVASVVHAKVLGTEHVLVAILHDGNALATRILERAAGFSYEDKKD.QVKITAAALRRNLEE	149
NTDB id 297	STER RS00545 WP 011680614.1	ESDIIDLRAQSPALEAMLQEAQETASVTGAVEVGSEHVLMAFLLHKDLMVCRLLEVAGFQYKDDSD.KPRIIDLRSSLER	155
NTDB id 329	STU RS10020 WP 011225298.1	ESDIIDLRAQSPALEAMLQEAQETASVTGAVEVGSEHVLMAFLLHKDLMVCRLLEVAGFQYKDDSD.KPRIIDLRSSLER	155
NTDB id 1128155	FGL17 RS09160 WP 093959022.1	K..EWALKGQSRTLTKLQFSDAIRQVTGAQEVGSEHVLFAILLNPDMMAARLLLEMAAGFKLRDEGQGDCLKISDLRKATIER	154
NTDB id 377	SMU RS09275 WP 002262344.1	N..DIMLLEGSHALKRTEAAEAASISQVTHAKEVGTEHVLFAILLNPDLNLAIRILELVGFHAKDDGE.SIRLLDLRKVIETIER	153
consensus		* ** **** * ** *****!*** * **** * **** * *	

NTDB id	281 KZH43 RS03550 WP 000882517.1	..NFRPSSNTPPIPPTQSGGGYGGNGGYGSQNRGSAQTPPPSQEKGGLLEEFGINVTEIARRGDIDPVIGRDEEIIIRVIEI	145
NTDB id	245 SPD RS03860 WP 000882517.1	..NFRPSSNTPPIPPTQSGGGYGGNGGYGSQNRGSAQTPPPSQEKGGLLEEFGINVTEIARRGDIDPVIGRDEEIIIRVIEI	145
NTDB id	243 SPR RS03635 WP 000882517.1	..NFRPSSNTPPIPPTQSGGGYGGNGGYGSQNRGSAQTPPPSQEKGGLLEEFGINVTEIARRGDIDPVIGRDEEIIIRVIEI	145
NTDB id	241 SP RS04015 WP 000882523.1	..NFRPSSNTPPIPPTQSGGGYGGNGGYGSQNRGSAQTPPPSQEKGGLLEEFGINVTEIARRGDIDPVIGRDEEIIIRVIEI	145
NTDB id	85 BSU 00860 NP 387967.1	..G.....SSAAGTNSNANTPTLDSLARDLTAIAKEDSLDPVIGRSKEIQRVIEV	195
NTDB id	610 V4T04 RS10165 WP 012897346.1	RTCLKVPESEKKAIVTPMSRKRM.....AKG.....VAENSTTPTLDSVSSDLTEEARLGKLDPMIGREAEIDRLIH	208
NTDB id	287 SP RS11210 WP 001109712.1	RACWTREDLKALRQRHRTV.....ADKQNSMANMMGMPPQTPSGGLEDYTHDLTEQARSQKLEPVIGRDKEISRMIIQ	221
NTDB id	290 KZH43 RS10025 WP 001109677.1	RACWTREDLKALRQRHRTV.....ADKQNSMANMMGMPPQTPSGGLEDYTHDLTEQARSQKLEPVIGRDKEISRMIIQ	221
NTDB id	289 SPD RS10700 WP 001109677.1	RACWTREDLKALRQRHRTV.....ADKQNSMANMMGMPPQTPSGGLEDYTHDLTEQARSQKLEPVIGRDKEISRMIIQ	221
NTDB id	297 STER RS00545 WP 011680614.1	NAGLSKQDLKAIHDLRKPKK.....SKASANFANMMQPQQSSTGELADYT KDLTALAESGNLDPVIGRDEEISRMIVQ	228
NTDB id	329 STU RS10020 WP 011225298.1	NAGLSKQDLKAIHDLRKPKK.....SKASANFANMMQPQQSSTGELADYT KDLTALAESGNLDPVIGRDEEISRMIVQ	228
NTDB id	1128155 FGL17 RS09160 WP 093959022.1	QAAYFSKEIILAIYELRKPKK.....SKAGGTFSDDMMKPAPSSAGELSDFTRDLTQLMASQGLLEPVIGRDKEITRMVQV	226
NTDB id	377 SMU RS09275 WP 002262344.1	YAGFSKEDIKAIIFEMRRPKK.....VKNSSSFSDLMKPPSVTGELADFTRLDTLARGRLEPVIGREQEISRMVQ	225
consensus		** * * *	* * * ! * * * * * ! * * ! * * * * * ! * ! * ! * *

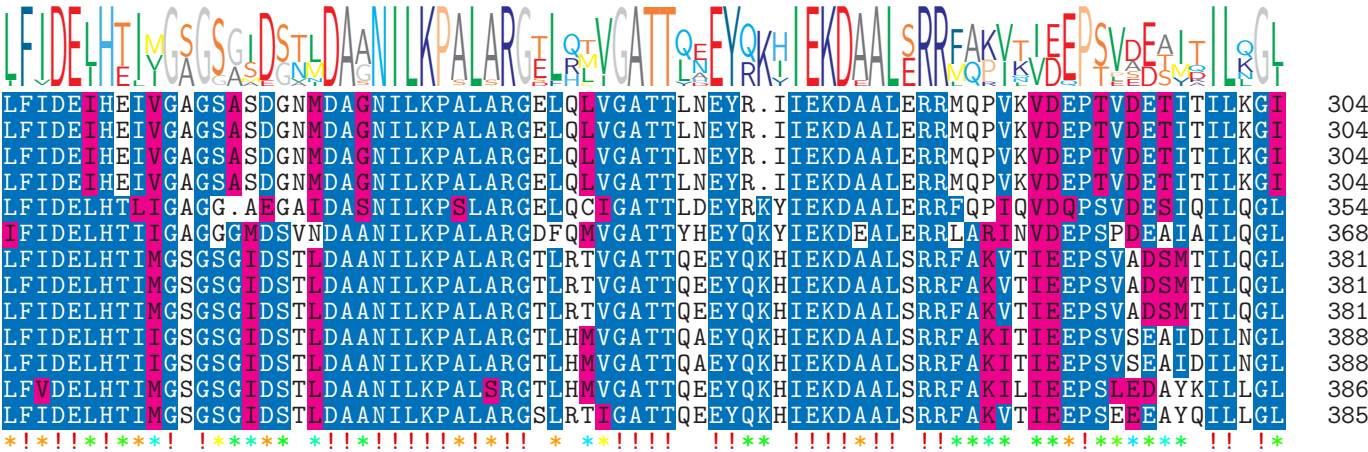
logo

NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 1128155 FGL17 RS09160 WP 093959022.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus



logo

NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 1128155 FGL17 RS09160 WP 093959022.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus



logo

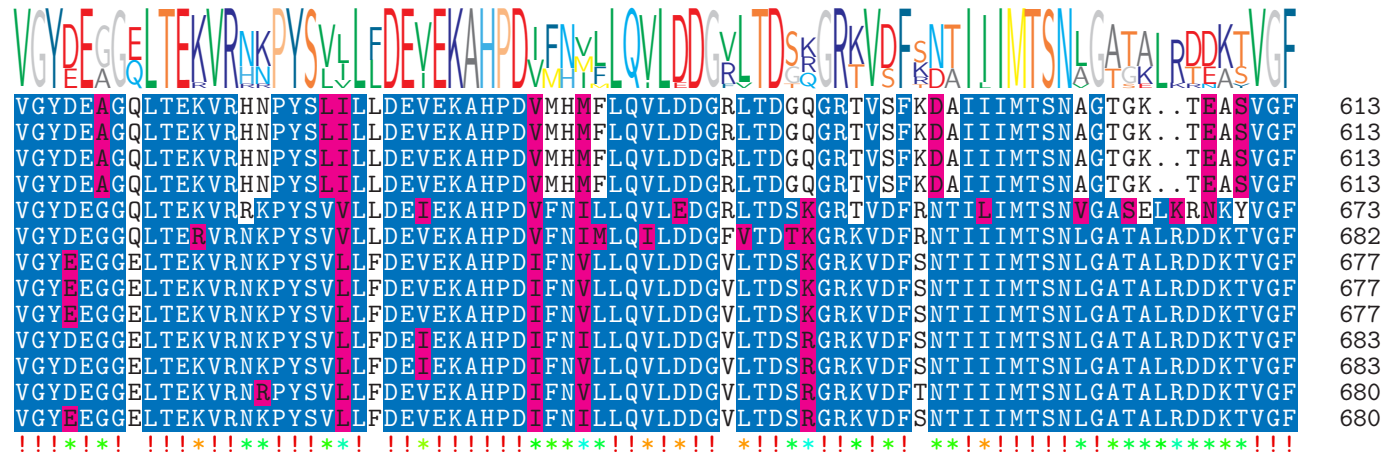
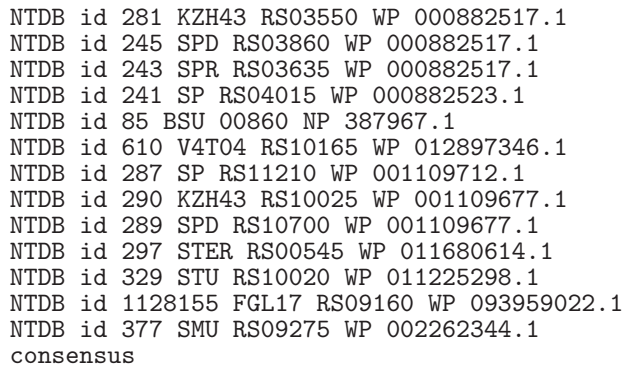
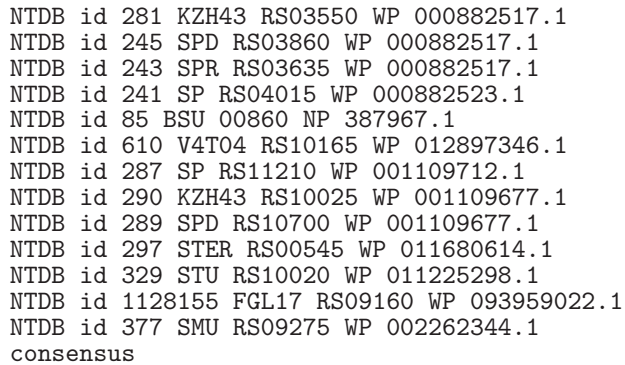
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 1128155 FGL17 RS09160 WP 093959022.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus



```

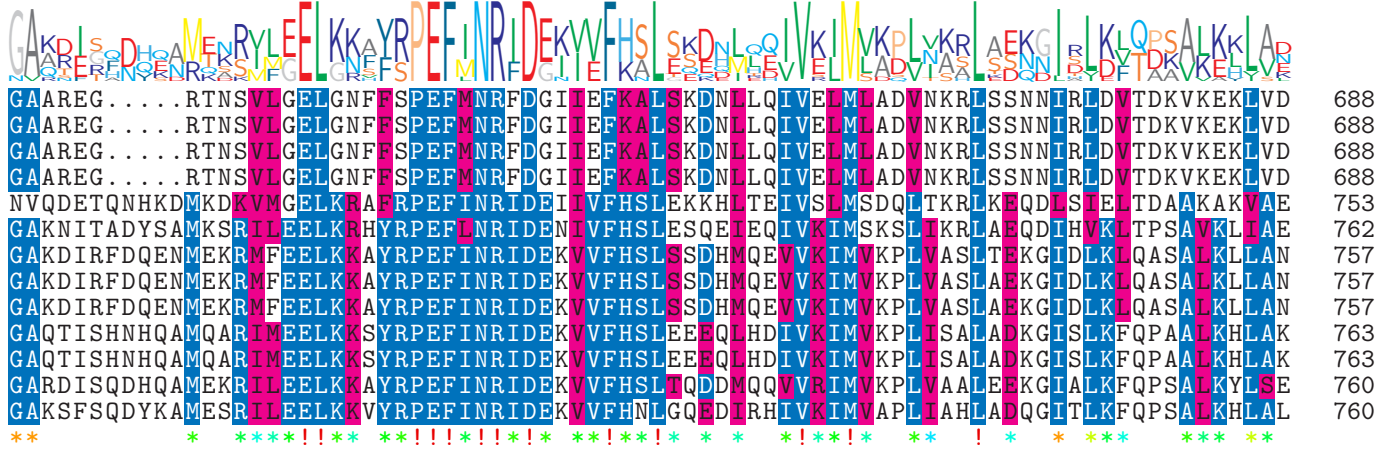
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 1128155 FGL17 RS09160 WP 093959022.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus

```



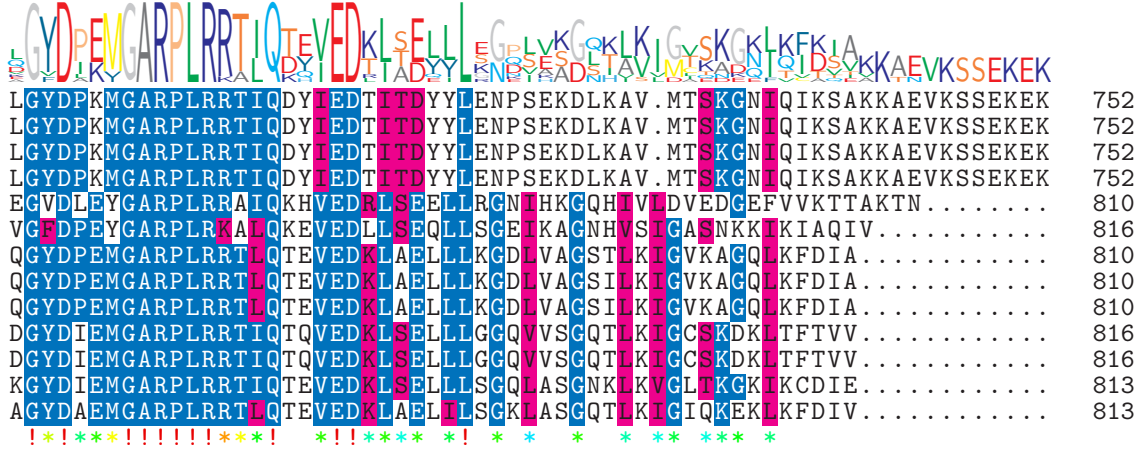
logo

NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 1128155 FGL17 RS09160 WP 093959022.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus



logo

NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 1128155 FGL17 RS09160 WP 093959022.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus



☒ non conserved
☒ similar
☒ ≥ 50% conserved