

NTDB id	85	BSU 00860 NP 387967.1	..MMFGRFTERAQKVVLALAQEEALRLGHNNIGTEHILLGLVREGEGIAAKALQALGLGSEKIQKEVESLIGRGQ.....	72
NTDB id	610	V4T04 RS10165 WP 012897346.1	MKFENIKYIPTDRILEKAEEYAHQYQYGTTESAHLLAAMATTSGSIAYSSLAGMNVDSDDLID.....LEDLSSH	72
NTDB id	287	SP RS11210 WP 001109712.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLEE.....VALELTETDYS	70
NTDB id	290	KZH43 RS10025 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLEE.....VALELTETDYS	70
NTDB id	289	SPD RS10700 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLEE.....VALELTETDYS	70
NTDB id	329	STU RS10020 WP 011225298.1	MTIYSRKMQAIFHRAQLAEERFESPFELETWHVLLAMVEVPGSVAYLTFTDFEDRIHSEEIETAAVFLAMEKRPKDLS	76
NTDB id	297	STER RS00545 WP 011680614.1	MTIYSRKMQAIFHRAQLAEERFESPFELETWHVLLAMVEVPGSVAYLTFTDFEDRIHSEEIETAAVFLAMEKRPKDLS	76
NTDB id	1135490	DQM39 RS09255 WP 002982314.1	MTIMYSTKMQDIFRQAQFAARFDSHCLETWHVLLAMVAVDNSLANMI LSEYDAQVAIEEYAAAAILVMGKTPKEQL	76
NTDB id	377	SMU RS09275 WP 002262344.1	MTDYSLKMQEVFRLAQFEAAARFESSYLESWHVLLAMVEIDS SVAGLSFAEFEEADVRFEDYQAAA ILAIGKKPKSSS	76
consensus			* * * * * * * * * *	

NTDB id 85	BSU 00860 NP 387967.1	..E MSQT IHYTPRAKKVIELSMDEARKLGHSYVGTEHLLGLIREGEGVAARVLNNLGVSLNKAQQVQLQLGSGNET...	147
NTDB id 610	V4T04 RS10165 WP 012897346.1	VKVKRSTLRFSPPRAEEVMTAASF LAIHNNSEAVGTEHLLYALLQVEDGFGCLQLKL.....QKINIVSLRKELEX	142
NTDB id 287	SP RS11210 WP 001109712.1	QDETFTELPFSRRLQVLFDEAEYVASVHAKVLGTEHVLVAILHDSNALATRILERAGFSYEDKKDQ..VKIAALRRNLEE	149
NTDB id 290	KZH43 RS10025 WP 001109677.1	QDETFTELPFSRRLQILFDEAEYVASVHAKVLGTEHVLVAILHDGNALATRILERAGFSYEDKKDQ..VKIAALRRNLEE	149
NTDB id 289	SPD RS10700 WP 001109677.1	QDETFTELPFSRRLQILFDEAEYVASVHAKVLGTEHVLVAILHDGNALATRILERAGFSYEDKKDQ..VKIAALRRNLEE	149
NTDB id 329	STU RS10020 WP 011225298.1	ESDIIDLRAQSPALEAMLQEAQGIASVTGAVEVGSEHVLMAFLLHKDLMVCRLLLEVAGFQYKDDSDK..PRIIDLRRSLER	155
NTDB id 297	STER RS00545 WP 011680614.1	ESDIIDLRAQSPALEAMLQEAQGIASVTGAVEVGSEHVLMAFLLHKDLMVCRLLLEVAGFQYKDDSDK..PRIIDLRRSLER	155
NTDB id 1135490	DQM39 RS09255 WP 002982314.1	..SRVDFRPQSKTLTNLLAFAQAISQITRDQEVGSEHVLFAILLNPDIMASRLEIAGYQIKDNGGQPRLADLRKATER	154
NTDB id 377	SMU RS09275 WP 002262344.1	..NDIMLLEQSHALKRTLAEAAISQVTHAKEVVGTEHVLFAILLNPNLALTRILELVGFHAKDDGES..IRLLDLRKVIER	153
consensus		..NMIMLEQSHALKRTLAEAAISQVTHAKEVVGTEHVLFAILLNPNLALTRILELVGFHAKDDGES..IRLLDLRKVIER	

NTDB id 85 BSU 00860 NP 387967.1 ...G.....SSAAGTNSNANTPTLDSLARDLTALAKEDSLDPVIGRSKEIQRVTEVLSRRTK 201

NTDB id 610 V4T04 RS10165 WP 012897346.1 RTGLKVPESKKAATPMSKRKMAKGV.....AENSTTPTLDSVSSDLTEEARELGKLDPMIGREAIDRLIHILSRRTK 214

NTDB id 287 SP RS11210 WP 001109712.1 RAGWTRREDLKALRQRHRT.VADKQNSMANMMGMPQTSPGGLEDYTHDLTEQARSCKLEPVIGRDKEISRMIIQLSRRTK 227

NTDB id 290 KZH43 RS10025 WP 001109677.1 RAGWTRREDLKALRQRHRT.VADKQNSMANMMGMPQTSPGGLEDYTHDLTEQARSCKLEPVIGRDKEISRMIIQLSRRTK 227

NTDB id 289 SPD RS10700 WP 001109677.1 RAGWTRREDLKALRQRHRT.VADKQNSMANMMGMPQTSPGGLEDYTHDLTEQARSCKLEPVIGRDKEISRMIIQLSRRTK 227

NTDB id 329 STU RS10020 WP 011225298.1 NAGLSKQDLKAIHDLRKPKKSKASANFANMMQPQSSTGELADYTKDLTALAESGNLDPIGRDEEISRMIIQLSRRTK 234

NTDB id 297 STER RS00545 WP 011680614.1 NAGLSKQDLKAIHDLRKPKKSKASANFANMMQPQSSTGELADYTKDLTALAESGNLDPVIGRDEEISRMIIQLSRRTK 234

NTDB id 1135490 DQM39 RS09255 WP 002982314.1 HAGYSKEMIKAIHELRLPKPKTKKTQGTFSDMMKPP.STAGELSDFTRDLTEMARQGLLESVIGRDQEVSRMIIVLSRRTK 232

NTDB id 377 SMU RS09275 WP 002262344.1 YAGFSKEDIKAIFEMRKPKKVKVNSSSFSDLMKPP.SVTGELADFTRDLTELARQGRLEPVIGREIEISRMVLIQLSRRTK 231

consensus
*!***** * * * *
*!***** * * * *

[illegible]

logo

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 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 1135490 DQM39 RS09255 WP 002982314.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus



logo

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 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 1135490 DQM39 RS09255 WP 002982314.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus



logo

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 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 1135490 DQM39 RS09255 WP 002982314.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus



logo

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 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 1135490 DQM39 RS09255 WP 002982314.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus



```
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 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 1135490 DQM39 RS09255 WP 002982314.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus
```



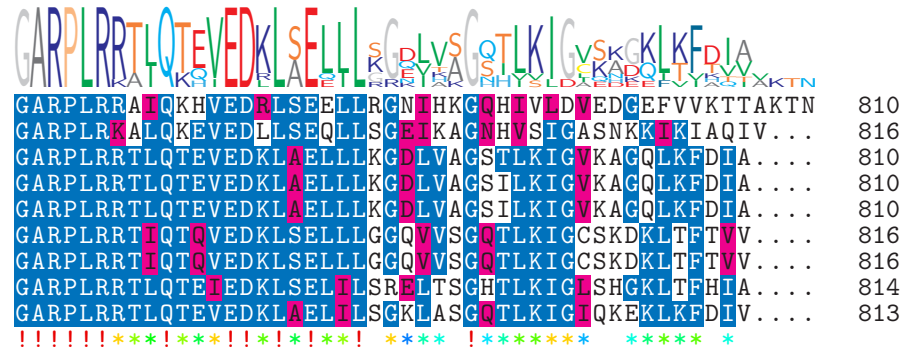
```

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 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 1135490 DQM39 RS09255 WP 002982314.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus

```



```
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 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 1135490 DQM39 RS09255 WP 002982314.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus
```



X	non conserved
X	similar
X	≥ 50% conserved