

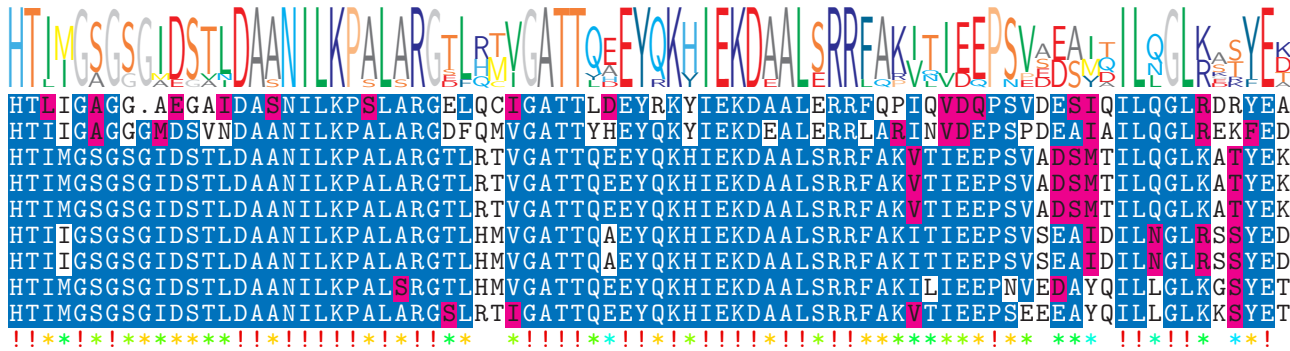
NTDB id 85	BSU 00860 NP 387967.1	..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGIAAKALQALGLGSEKIQKEVESLIGRGQ.....	72
NTDB id 610	V4T04 RS10165 WP 012897346.1	MKFENIKYIPTDRILEKAEEYAHQYQYGTTESAHLLAAMATTSGSIAYSSLAGMNVDSDDLIDLE.....DLSSH	72
NTDB id 287	SP RS11210 WP 001109712.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNNDYPYEMDRLEE.....VAELTETDYS	70
NTDB id 290	KZH43 RS10025 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNNDYPYEMDRLEE.....VAELTETDYS	70
NTDB id 289	SPD RS10700 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNNDYPYEMDRLEE.....VAELTETDYS	70
NTDB id 297	STER RS00545 WP 011680614.1	MTIYSRKMQAIFHRAQLAEARFESPFLDTWHVLLAMVEVTGSVAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLS	76
NTDB id 329	STU RS10020 WP 011225298.1	MTIYSRKMQAIFHRAQLAEARFESPFLDTWHVLLAMVEVPGSVAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLS	76
NTDB id 1136229	DQM44 RS09830 WP 003054754.1	MTIMYSLKMQEIFRQAQFAARFDSQYLETWHILLAMARVDHSLAGLVLSFE DAKVAVEEYAAAA ILAMGKSPKYQ.	75
NTDB id 377	SMU RS09275 WP 002262344.1	MTDYSCLKMQEVFRLAQFEAAARFESSYLESWHVLLAMVEIDS SVAGLSFAEF EADVRFEDYQAAA ILAGKKPKSS.	75
consensus		* * * * * * * * * *	

NTDB id 85	BSU 00860 NP 387967.1	..E MSQT IHYTPRAKKVIELSMDEARKLGHSYVGTEHLLGLIREGEGVAARVLNNLGVSLNKARQVQLLGSGNE...	146
NTDB id 610	V4T04 RS10165 WP 012897346.1	VKVKRSTLRFSPPRAEEVMTAASF LAIHNNSEAVGTEHLLYALLQVEDGFGLQLLKL.....QKINIVSLRKELEK	142
NTDB id 287	SP RS11210 WP 001109712.1	QDETFTTELPFSRRLLQVLFDEAEYVASVHAKVLGTEHVLVAILHDSNALATRILERAGFSYEDKKD.QVKIAALRRNLEE	149
NTDB id 290	KZH43 RS10025 WP 001109677.1	QDETFTTELPFSRRLLQILFDEAEYVASVHAKVLGTEHVLVAILHDGNALATRILERAGFSYEDKKD.QVKIAALRRNLEE	149
NTDB id 289	SPD RS10700 WP 001109677.1	QDETFTTELPFSRRLLQILFDEAEYVASVHAKVLGTEHVLVAILHDGNALATRILERAGFSYEDKKD.QVKIAALRRNLEE	149
NTDB id 297	STER RS00545 WP 011680614.1	ESDIIDLRAQSPALEAMLQEAQETASVTGAVEVGSEHVLMAFLLHKDLMVCRLLLEVAGFQYKDDSD.KPRIIDLRRSLER	155
NTDB id 329	STU RS10020 WP 011225298.1	ESDIIDLRAQSPALEAMLQEAQGIIASVTGAVEVGSEHVLMAFLLHKDLMVCRLLLEVAGFQYKDDSD.KPRIIDLRRSLER	155
NTDB id 1136229	DQM44 RS09830 WP 003054754.1	.VSHIDFRPQSKTLTNLLQFAQAISQVTKDQEVGSEHVLFAILLNPDIMATRLILEMAGYTIKDKNGGEPRLADLRKATEI	154
NTDB id 377	SMU RS09275 WP 002262344.1	.SNDIMLLEQSHALKRTLAEAAAI SQVTHAKEVGTEHVLFAILLNPNL LATRILELVGFHAKDDGES.IRLDLRKKVIER	153
consensus		* * * * *	

[illegible][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 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 1136229 DQM44 RS09830 WP 003054754.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus



360
374
387
387
387
394
394
392
391

logo

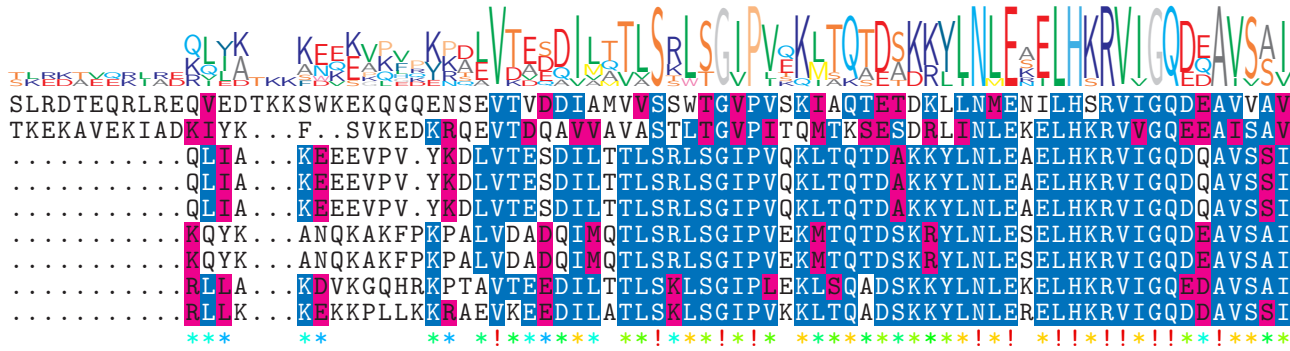
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 1136229 DQM44 RS09830 WP 003054754.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus



440
454
459
459
459
464
464
462
461

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 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 1136229 DQM44 RS09830 WP 003054754.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus



520
529
524
524
524
530
530
528
527

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 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 1136229 DQM44 RS09830 WP 003054754.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus



600
609
604
604
604
610
610
608
607

```
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 1136229 DQM44 RS09830 WP 003054754.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus
```



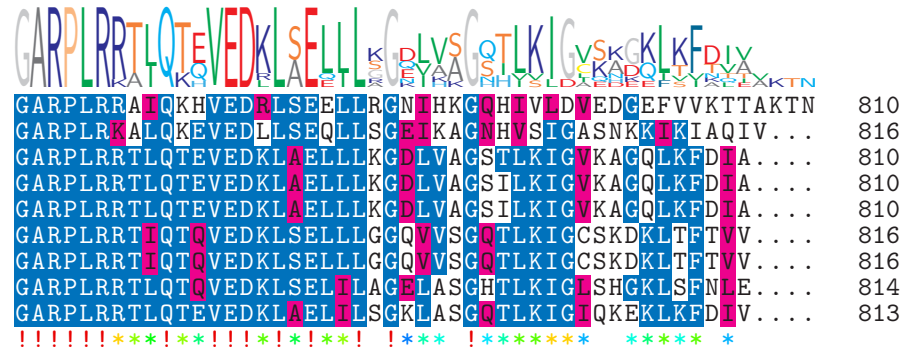
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 1136229 DQM44 RS09830 WP 003054754.1
NTDB id 1377 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 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 1136229 DQM44 RS09830 WP 003054754.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus

```



- non conserved
- similar
- > 50% conserved