

logo

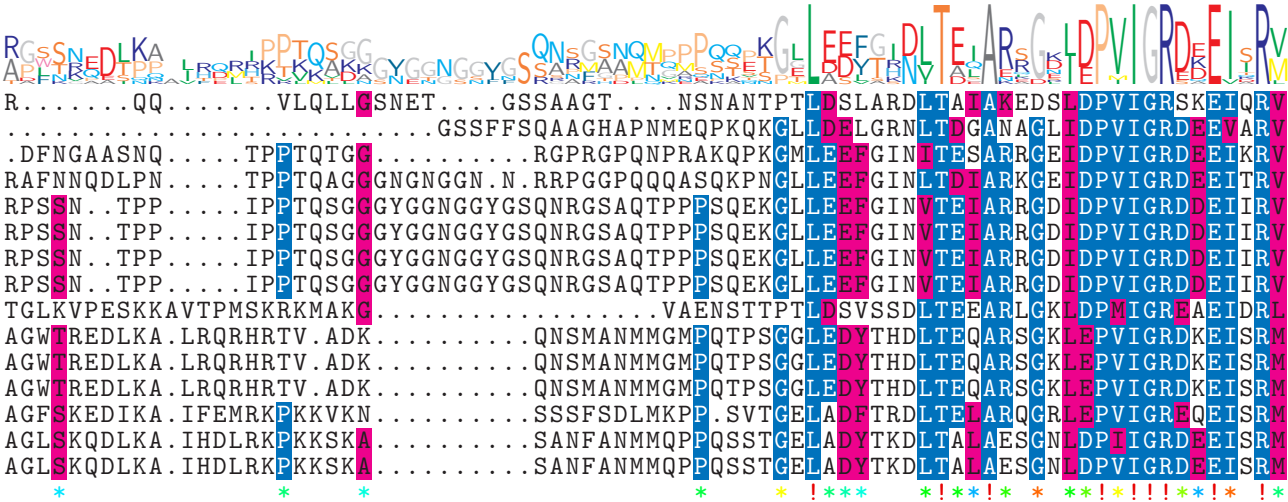
NTDB id 85 BSU 00860 NP 387967.1	..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHLLGLVREGEGIAAKALQALGLGSEKIQKEVESLI.....GR	70
NTDB id 383480 FX981 RS01090 WP 149125704.1	MRCQHCVNEATIRLNMQVN.....S.	21
NTDB id 601 KW2 RS02615 WP 021036805.1	MLCQNCNINEATIHLYTSVN.....G.	21
NTDB id 378 SMU RS02690 WP 002263569.1	MLCQNCNINEATIHLYANVN.....G.	21
NTDB id 281 KZH43 RS03550 WP 000882517.1	MLCQNCNINEATIHLYTNLN.....G.	21
NTDB id 245 SPD RS03860 WP 000882517.1	MLCQNCNINEATIHLYTNLN.....G.	21
NTDB id 243 SPR RS03635 WP 000882517.1	MLCQNCNINEATIHLYTNLN.....G.	21
NTDB id 241 SP RS04015 WP 000882523.1	MLCQNCNINEATIHLYTNLN.....G.	21
NTDB id 610 V4T04 RS10165 WP 012897346.1	MKFENIKYTPTLDRILEKAEYAHQYQYGTIESAHLAAMATTSGSIAYSLLAGMNVDSDDLIDL.....EDLSSH	72
NTDB id 287 SP RS11210 WP 001109712.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNSHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYS	70
NTDB id 290 KZH43 RS10025 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNSHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYS	70
NTDB id 289 SPD RS10700 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNSHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYS	70
NTDB id 377 SMU RS09275 WP 002262344.1	...MTDYSLKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFEADVRFEDYQAAAILAIGKKPKSSS	76
NTDB id 329 STU RS10020 WP 011225298.1	...MTIYSRKMQAIFHRAQLEAERFESPFLLETWHVLLAMVEVPGSVAYLTFTDFEDRIHSEEIETAAVLAMEKRPKDLS	76
NTDB id 297 STER RS00545 WP 011680614.1	...MTIYSRKMQAIFHRAQLEAERFESPFLLETWHVLLAMVEVPGSVAYLTFTDFEDRIHSEEIETAAVLAMEKRPKDLS	76
consensus	*.....*	

logo

NTDB id 85 BSU 00860 NP 387967.1	GQEMSQTIHYTPRAKKVIELSMDEARKIGHSYVGETEHLLEGLIREGEGVAA...R.....VLNNILGVSLNKA	134
NTDB id 383480 FX981 RS01090 WP 149125704.1	SRSQMVLCEDCYTSL...MEQSKMK.....MGP.....QLFG....	50
NTDB id 601 KW2 RS02615 WP 021036805.1	KQKQIDLCQNCYQIM...KSGGQEALEFGAGNASNGNSDEPFNP.....FNDIFSAIQGQ	72
NTDB id 378 SMU RS02690 WP 002263569.1	KQKQIDLCQNCYQIM...KTDPENGPLNHLISQQNSSS...INP.....FFDDFFGDLNMF	70
NTDB id 281 KZH43 RS03550 WP 000882517.1	KQKQIDLCQNCYQIM...KTDPNNSLFKGMTDLNNRD...FDP.....FGDFFNDLNNF	69
NTDB id 245 SPD RS03860 WP 000882517.1	KQKQIDLCQNCYQIM...KTDPNNSLFKGMTDLNNRD...FDP.....FGDFFNDLNNF	69
NTDB id 243 SPR RS03635 WP 000882517.1	KQKQIDLCQNCYQIM...KTDPNNSLFKGMTDLNNRD...FDP.....FGDFFNDLNNF	69
NTDB id 241 SP RS04015 WP 000882523.1	KQKQIDLCQNCYQIM...KTDPNNSLFKGMTDLNNRD...FDP.....FGDFFNDLNNF	69
NTDB id 610 V4T04 RS10165 WP 012897346.1	VKVKRSTLRFSPRAEEVMTAASFLAIHNNSEAVGETEHLLEYALLQVEDGFGQLQLKL.....QKINIVSLRKELEKR	143
NTDB id 287 SP RS11210 WP 001109712.1	QDETFTTELPFSRRLQVLFDEAEYVASVVHAKVLGTEHVLVYAILHDSNALATRILERAGFSYEDKKDQVKIAALRRNLEER	150
NTDB id 290 KZH43 RS10025 WP 001109677.1	QDETFTTELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLVYAILHDSNALATRILERAGFSYEDKKDQVKIAALRRNLEER	150
NTDB id 289 SPD RS10700 WP 001109677.1	QDETFTTELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLVYAILHDSNALATRILERAGFSYEDKKDQVKIAALRRNLEER	150
NTDB id 377 SMU RS09275 WP 002262344.1	N..DIMLLEQSHALKRTLAEAAAIISQVTHAKEVGETEHLVLFAMLLNPNLLATRILELVGFHAKDDGESIRLLDLRKVIERY	154
NTDB id 329 STU RS10020 WP 011225298.1	ESDIIDLRAQSPAELAMLQEAQGIASVTGAVEVGESEHVLMAFLLHKDLMVCRLLEVAGFQYKDDSDKPRIIDLRRSLERN	156
NTDB id 297 STER RS00545 WP 011680614.1	ESDIIDLRAQSPAELAMLQEAQGIASVTGAVEVGESEHVLMAFLLHKDLMVCRLLEVAGFQYKDDSDKPRIIDLRRSLERN	156
consensus	**.....**.....**.....*	

logo

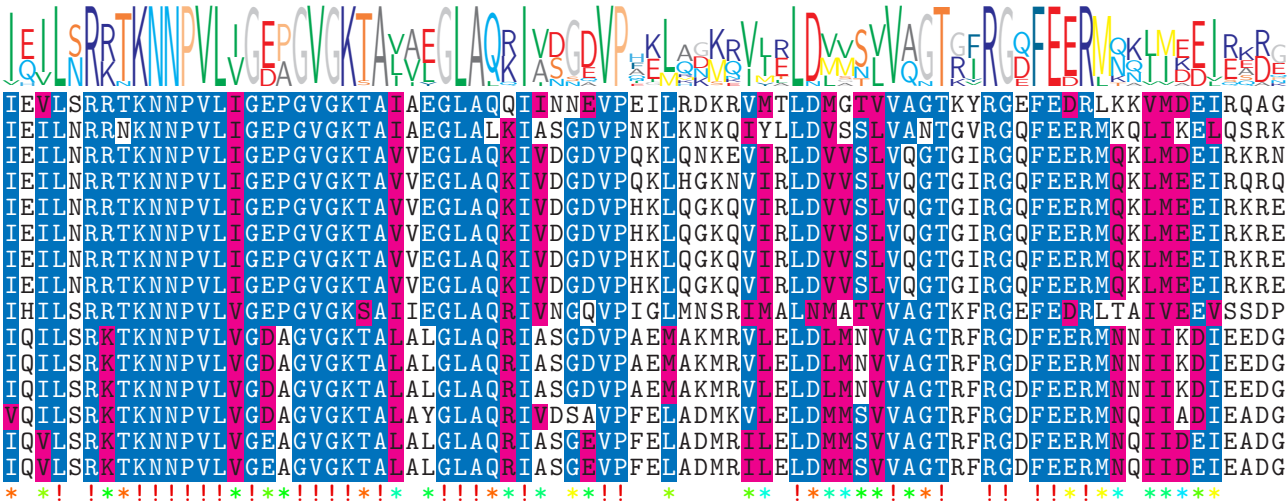
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 383480 FX981 RS01090 WP 149125704.1
NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 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 377 SMU RS09275 WP 002262344.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
consensus



192
103
136
143
142
142
142
142
205
218
218
218
222
225
225

logo

NTDB id 85 BSU 00860 NP 387967.1
NTDB id 383480 FX981 RS01090 WP 149125704.1
NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 378 SMU RS02690 WP 002263569.1
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 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 377 SMU RS09275 WP 002262344.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
consensus

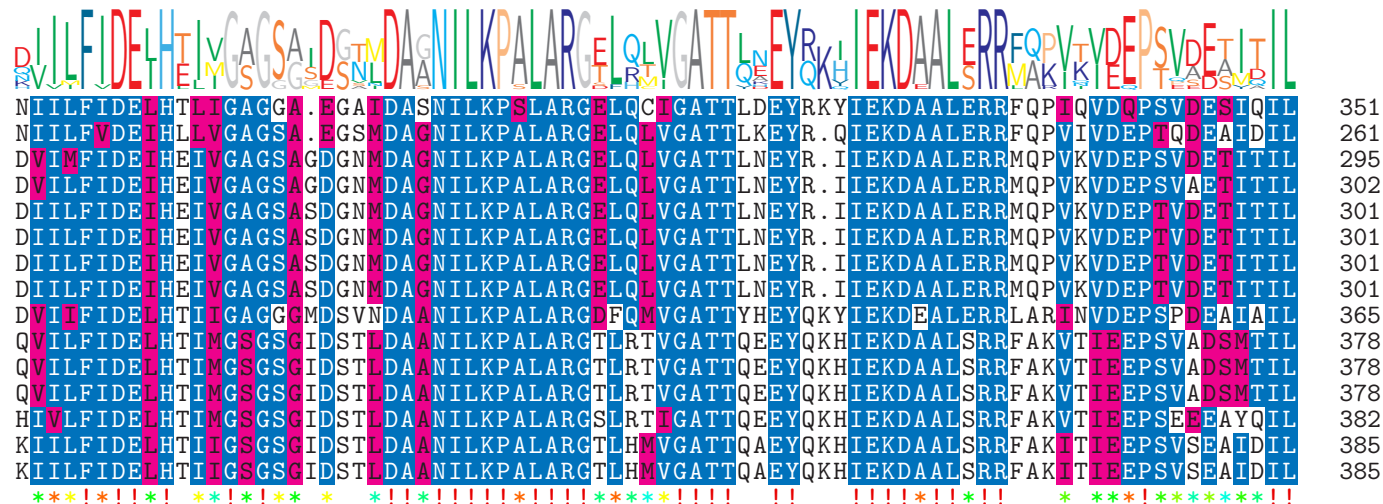


272
183
216
223
222
222
222
222
285
298
298
298
302
305
305

```

NTDB id 85 BSU 00860 NP 387967.1
NTDB id 383480 FX981 RS01090 WP 149125704.1
NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 378 SMU RS02690 WP 002263569.1
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 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 377 SMU RS09275 WP 002262344.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
consensus

```



```

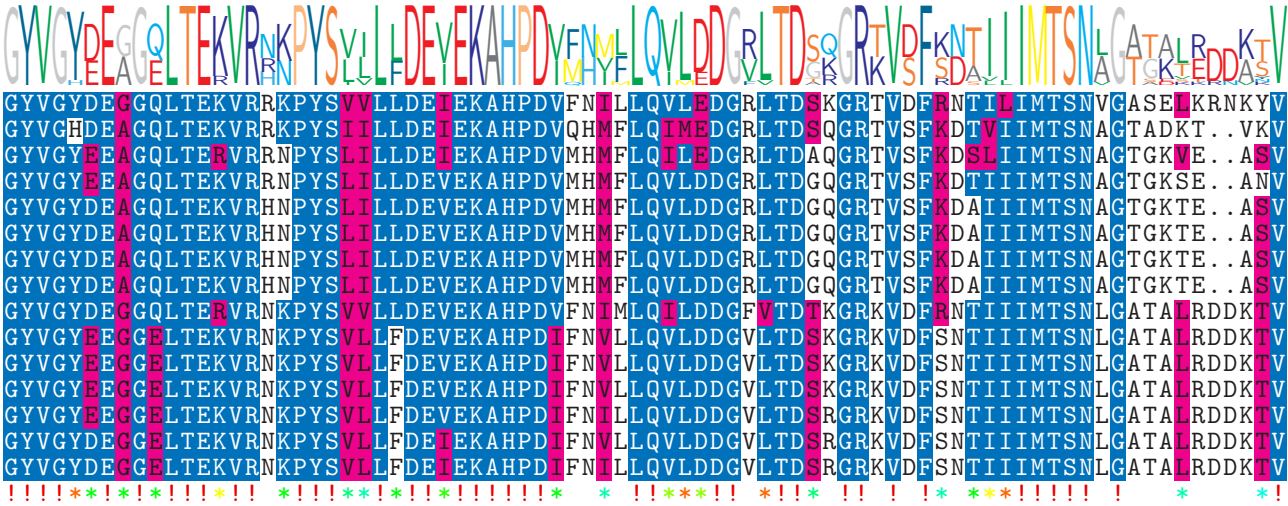
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 383480 FX981 RS01090 WP 149125704.1
NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 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 377 SMU RS09275 WP 002262344.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
consensus

```



logo

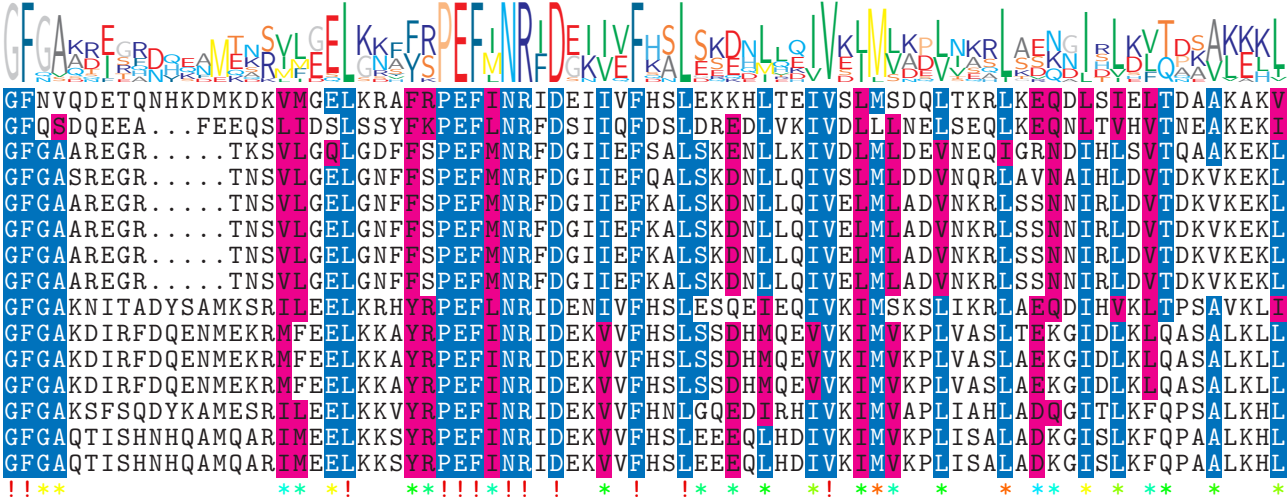
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 383480 FX981 RS01090 WP 149125704.1
NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 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 377 SMU RS09275 WP 002262344.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
consensus



671
570
605
612
611
611
611
611
680
675
675
675
678
681
681

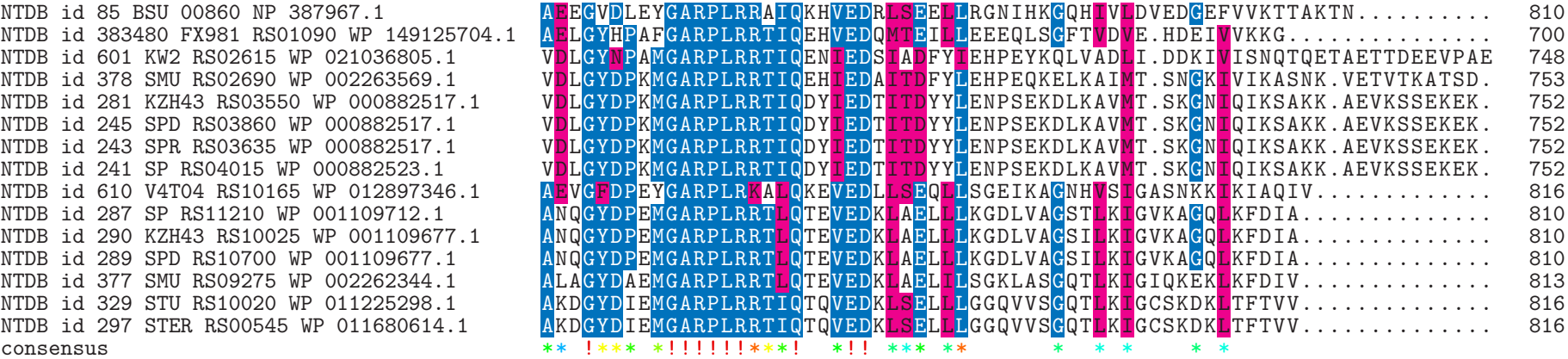
logo

NTDB id 85 BSU 00860 NP 387967.1
NTDB id 383480 FX981 RS01090 WP 149125704.1
NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 378 SMU RS02690 WP 002263569.1
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 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 377 SMU RS09275 WP 002262344.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
consensus



751
647
680
687
686
686
686
760
755
755
755
758
761
761

logo



non conserved
 similar
 ≥ 50% conserved