

logo

NTDB id 601 KW2 RS02615 WP 021036805.1	MTCQNCNINEAT.....	I	13
NTDB id 281 KZH43 RS03550 WP 000882517.1	MTCQNCKINDST.....	I	13
NTDB id 245 SPD RS03860 WP 000882517.1	MTCQNCKINDST.....	I	13
NTDB id 243 SPR RS03635 WP 000882517.1	MTCQNCKINDST.....	I	13
NTDB id 241 SP RS04015 WP 000882523.1	MTCQNCKINDST.....	I	13
NTDB id 178206 NX99 RS03975 WP 073687523.1	MTCQNCNINEAS.....	I	13
NTDB id 378 SMU RS02690 WP 002263569.1	MTCQNCKINEAT.....	I	13
NTDB id 85 BSU 00860 NP 387967.1	..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGLAAKALQALGLGSEKIQKEVESLIG.....RGQEMS		75
NTDB id 610 V4T04 RS10165 WP 012897346.1	MKFENIKYPTPTLDRILEKAE EYAHQYQYGTIESAHL LAA MATTSGSLAYSLLAGMNV DSSDLLIDL.....EDLSSHVKVKR		77
NTDB id 290 KZH43 RS10025 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET		75
NTDB id 289 SPD RS10700 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET		75
NTDB id 287 SP RS11210 WP 001109712.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET		75
NTDB id 377 SMU RS09275 WP 002262344.1	...MTDYS LKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFEADVRFEDYQAAAILAIGKKPKSSSN..D	T	79
NTDB id 297 STER RS00545 WP 011680614.1	...MTIYSRKMQAIFHRAQLEAERFESP FLETWHVLLAMVEVTGSAVYLTFTDFEDRIHSEEIETA AAVLAMEKRPKDLSEDI	I	81
NTDB id 329 STU RS10020 WP 011225298.1	...MTIYSRKMQAIFHRAQLEAERFESP FLETWHVLLAMVEVPGSAVYLTFTDFEDRIHSEEIETA AAVLAMEKRPKDLSEDI	I	81
consensus	* * * * *		

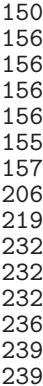
logo

NTDB id 601 KW2 RS02615 WP 021036805.1	HL YTSVNGQKKQIDLCQNCYQ...IMKSGGQEAFLFGAGNASNGNSDEPFNP.....FNDIFSA LGGQ.DFNGAASN.	80
NTDB id 281 KZH43 RS03550 WP 000882517.1	HL YTNLNCKKQKQIDLCQNCYK...I IKTDPNNSLFKGMTDLNMRDFDP.....FGDFFNDLNNFRPSSN..TP.	76
NTDB id 245 SPD RS03860 WP 000882517.1	HL YTNLNCKKQKQIDLCQNCYK...I IKTDPNNSLFKGMTDLNMRDFDP.....FGDFFNDLNNFRPSSN..TP.	76
NTDB id 243 SPR RS03635 WP 000882517.1	HL YTNLNCKKQKQIDLCQNCYK...I IKTDPNNSLFKGMTDLNMRDFDP.....FGDFFNDLNNFRPSSN..TP.	76
NTDB id 241 SP RS04015 WP 000882523.1	HL YTNLNCKKQKQIDLCQNCYK...I IKTDPNNSLFKGMTDLNMRDFDP.....FGDFFNDLNNFRPSSN..TP.	76
NTDB id 178206 NX99 RS03975 WP 073687523.1	HL YTNVNGNQKQV DLCQNCYK...IMKSDPENP.LN...QFNQTGGSNF.....FDDFFSD LNNFRSS.NGDLP.	74
NTDB id 378 SMU RS02690 WP 002263569.1	HL YANVNGQKKQIDLCQNCYQ...IMKTDPE NGPLNHSQQNSSSINPF.....FDDFFGD LNNFRAFNNQDLP.	79
NTDB id 85 BSU 00860 NP 387967.1	QTIHYTPRAKKVIELSMDEARKLGHSYVGTEHIL LGLIREGEGVAARVLNNLGVSLNKARQQVLQL.....LCSNET....	147
NTDB id 610 V4T04 RS10165 WP 012897346.1	STLRFSPRAEEVM TAASFLAIHNNSEAVGTEHLLYALLQVEDGFGLQLLKL.....QKINIVSLRKELEKRTGLKVPESK	153
NTDB id 290 KZH43 RS10025 WP 001109677.1	TELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLYAILHDGNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA	160
NTDB id 289 SPD RS10700 WP 001109677.1	TELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLYAILHDGNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA	160
NTDB id 287 SP RS11210 WP 001109712.1	TELPFSRRLQVLFDEAEYVASVVHAKVLGTEHVLYAILHDSNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTREDLKA	160
NTDB id 377 SMU RS09275 WP 002262344.1	MLLEQSHALKRTLAEAAAISQVTHAKEVGTEHVLFAMLLNPNLLATRILELVGFHAKDDGESIRLLDLRKVTERYACFSKEDIKA	164
NTDB id 329 STER RS00545 WP 011680614.1	DLRAQSPALEAMLQEAQEIASVTGAVEVGESEHVLMAFLLHKLDMVCRLLLEVAGFQYKDDSDKPRIIDLRRSLERNAGLSKQDLKA	166
NTDB id 327 STU RS10020 WP 011225298.1	DLRAQSPALEAMLQEAQGIASVTGAVEVGESEHVLMAFLLHKLDMVCRLLLEVAGFQYKDDSDKPRIIDLRRSLERNAGLSKQDLKA	166
consensus	* * * * *	

```

NTDB id 601 KW2 RS02615 WP 021036805.1
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 178206 NX99 RS03975 WP 073687523.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus

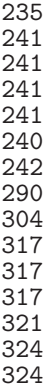
```



```

NTDB id 601 KW2 RS02615 WP 021036805.1
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 178206 NX99 RS03975 WP 073687523.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus

```



logo

NTDB id 601 KW2 RS02615 WP 021036805.1
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 178206 NX99 RS03975 WP 073687523.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



481
487
487
487
487
486
488
545
554
549
549
549
552
555
555

logo

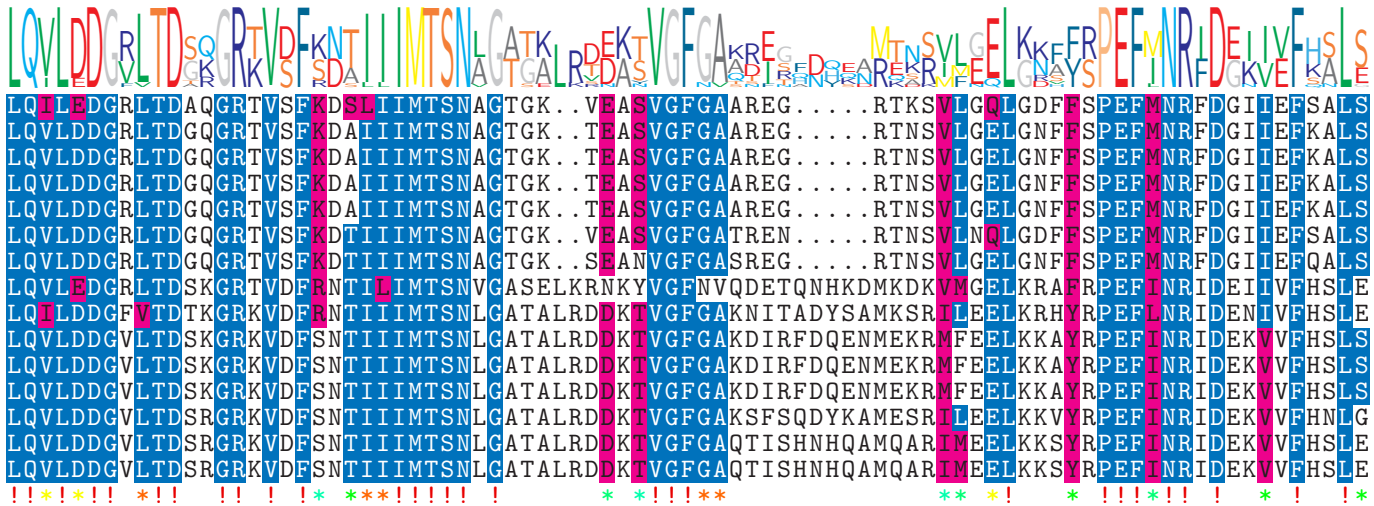
NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 178206 NX99 RS03975 WP 073687523.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



566
572
572
572
572
571
573
630
639
634
634
634
637
640
640

logo

NTDB id 601 KW2 RS02615 WP 021036805.1
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 178206 NX99 RS03975 WP 073687523.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



644
650
650
650
650
649
651
715
724
719
719
719
722
725
725

logo

NTDB id 601 KW2 RS02615 WP 021036805.1
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 178206 NX99 RS03975 WP 073687523.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



728
734
734
734
734
733
735
800
809
804
804
804
807
810
810

logo

NTDB id 601 KW2 RS02615 WP 021036805.1	VISNQTQETA.ETTDEEVPAE..	748
NTDB id 281 KZH43 RS03550 WP 000882517.1	IQIKSAKKAEVKSSEKEK.....	752
NTDB id 245 SPD RS03860 WP 000882517.1	IQIKSAKKAEVKSSEKEK.....	752
NTDB id 243 SPR RS03635 WP 000882517.1	IQIKSAKKAEVKSSEKEK.....	752
NTDB id 241 SP RS04015 WP 000882523.1	IQIKSAKKAEVKSSEKEK.....	752
NTDB id 178206 NX99 RS03975 WP 073687523.1	ITIKSAKKA EKATQKAEAAKESD	756
NTDB id 378 SMU RS02690 WP 002263569.1	IVIKASNKVETVTKATSD.....	753
NTDB id 85 BSU 00860 NP 387967.1	FVVKTTAKTN.....	810
NTDB id 610 V4T04 RS10165 WP 012897346.1	IKIAQIV.....	816
NTDB id 290 KZH43 RS10025 WP 001109677.1	LKFDIA.....	810
NTDB id 289 SPD RS10700 WP 001109677.1	LKFDIA.....	810
NTDB id 287 SP RS11210 WP 001109712.1	LKFDIA.....	810
NTDB id 377 SMU RS09275 WP 002262344.1	LKFDIV.....	813
NTDB id 297 STER RS00545 WP 011680614.1	LTFTVV.....	816
NTDB id 329 STU RS10020 WP 011225298.1	LTFTVV.....	816
consensus	*	

- ⓧ non conserved
- ✖ similar
- ⓧ ≥ 50% conserved