

logo

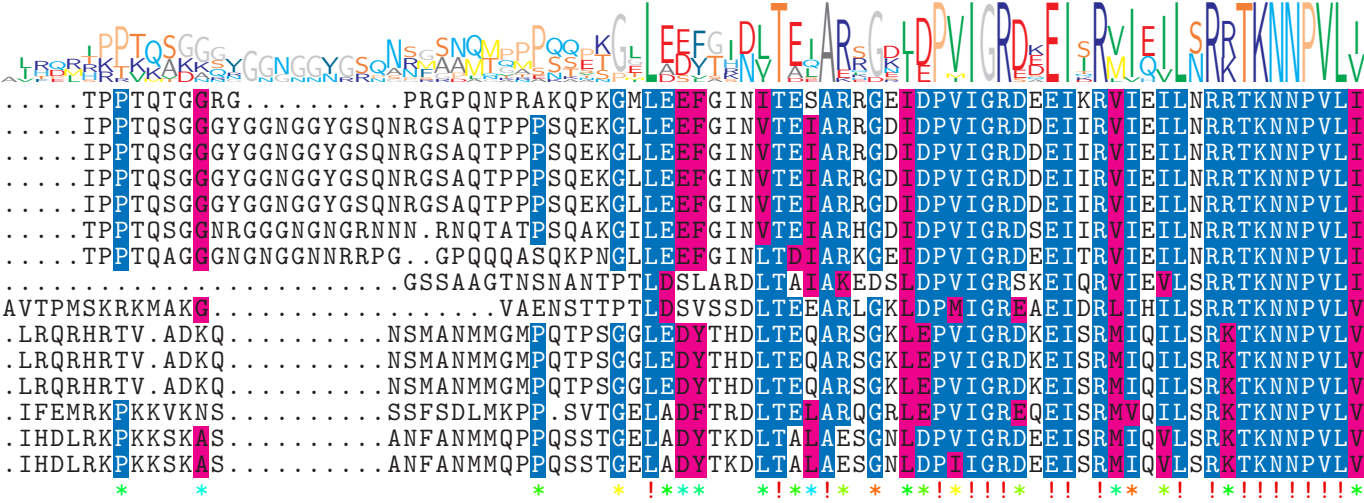
NTDB id 601 KW2 RS02615 WP 021036805.1	MLCQNCNINEA.....TI	13
NTDB id 281 KZH43 RS03550 WP 000882517.1	MLCQNCNKINDS.....TI	13
NTDB id 245 SPD RS03860 WP 000882517.1	MLCQNCNKINDS.....TI	13
NTDB id 243 SPR RS03635 WP 000882517.1	MLCQNCNKINDS.....TI	13
NTDB id 241 SP RS04015 WP 000882523.1	MLCQNCNKINDS.....TI	13
NTDB id 24736 SAK RS02940 WP 000882549.1	MLCQNCNKINDS.....TI	13
NTDB id 378 SMU RS02690 WP 002263569.1	MLCQNCNKINDS.....TI	13
NTDB id 85 BSU 00860 NP 387967.1	..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGGIAAKALQALGLGSEKIQKEVESLIG.....RGQEMS	75
NTDB id 610 V4T04 RS10165 WP 012897346.1	MKFENIKYTPTLDRILEKAEEYAHQYQYGTIESAHLAAMATTSGSIAYSLLAGMNVDSDDLIDL.....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	MTDYSLKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFEADVRFEDYQAAAILAIGKKPKSSSN..DI	79
NTDB id 297 STER RS00545 WP 011680614.1	MTIYSRKMQAIFHRAQLEAERFESPFLTWHVLLAMVEVTGSVAYLTFTDFEDRIHSEEIETAAVLAMEKRPKDLSESDII	81
NTDB id 329 STU RS10020 WP 011225298.1	MTIYSRKMQAIFHRAQLEAERFESPFLTWHVLLAMVEVPGSVAYLTFTDFEDRIHSEEIETAAVLAMEKRPKDLSESDII	81
consensus	**.....**	

logo

NTDB id 601 KW2 RS02615 WP 021036805.1	HLYTSVNGCQKQIDLCQNCYQI...MKSQGGQEALEFGAGNASNGNSDEPF.....NPFNDIFSALQGG.QDFNGAASNQ	81
NTDB id 281 KZH43 RS03550 WP 000882517.1	HLYTNLNGCKKQIDLCQNCYKI...IKTDPNNSLFKGMTDLNRR..DF.....DPFGDFFNDLNNFRPSS..NTPP	77
NTDB id 245 SPD RS03860 WP 000882517.1	HLYTNLNGCKKQIDLCQNCYKI...IKTDPNNSLFKGMTDLNRR..DF.....DPFGDFFNDLNNFRPSS..NTPP	77
NTDB id 243 SPR RS03635 WP 000882517.1	HLYTNLNGCKKQIDLCQNCYKI...IKTDPNNSLFKGMTDLNRR..DF.....DPFGDFFNDLNNFRPSS..NTPP	77
NTDB id 241 SP RS04015 WP 000882523.1	HLYTNLNGCKKQIDLCQNCYKI...IKTDPNNSLFKGMTDLNRR..DF.....DPFGDFFNDLNNFRPSS..NTPP	77
NTDB id 24736 SAK RS02940 WP 000882549.1	HLYTNVNGCKKQVVDLCQNCYQI...IKTDPNNPLFSGLNHVSHAPGGTIN.....PFFDDFFGDLLNNFRFNGQDLPN	82
NTDB id 378 SMU RS02690 WP 002263569.1	HLYANVNGCQKQIDLCQNCYQI...MKTDPENGPLNHLISQ..QNSSSIN.....PFFDDFFGDLLNNFRFNNQDLPN	80
NTDB id 85 BSU 00860 NP 387967.1	QTIHYTPRAKKVIELSMDEARKLGHSYVGTTEHILLGLIREGEGVAARVLNNLGVSLNKARQQVLQL.....LGSNET....	147
NTDB id 610 V4T04 RS10165 WP 012897346.1	STLRFSPRAEEVMTAASFLAIHNNSEAVGTEHLLYALLQVEDGFGLQLLKL.....QKINIVSLRKELEKRTGLKVPESKK	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	MLLEQSHALKRTLAEEAAISQVTHAKEVGTTEHVLFAMLLNPNLLATRILELVGFHAKDDGESIRLLDLRKVIERYAGFSKEDIKA	164
NTDB id 297 STER RS00545 WP 011680614.1	DLRAQSPALEAMLQEAQEIASVTGAVEVGSEHVLMAFLLHKDLMVCRILLEVAGFQYKDDSDKPRIIDLRRSLERNAGLSKQDLKA	166
NTDB id 329 STU RS10020 WP 011225298.1	DLRAQSPALEAMLQEAQGIASVTGAVEVGSEHVLMAFLLHKDLMVCRILLEVAGFQYKDDSDKPRIIDLRRSLERNAGLSKQDLKA	166
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 24736 SAK RS02940 WP 000882549.1
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



151
157
157
157
157
161
158
207
220
233
233
233
237
240
240

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 24736 SAK RS02940 WP 000882549.1
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



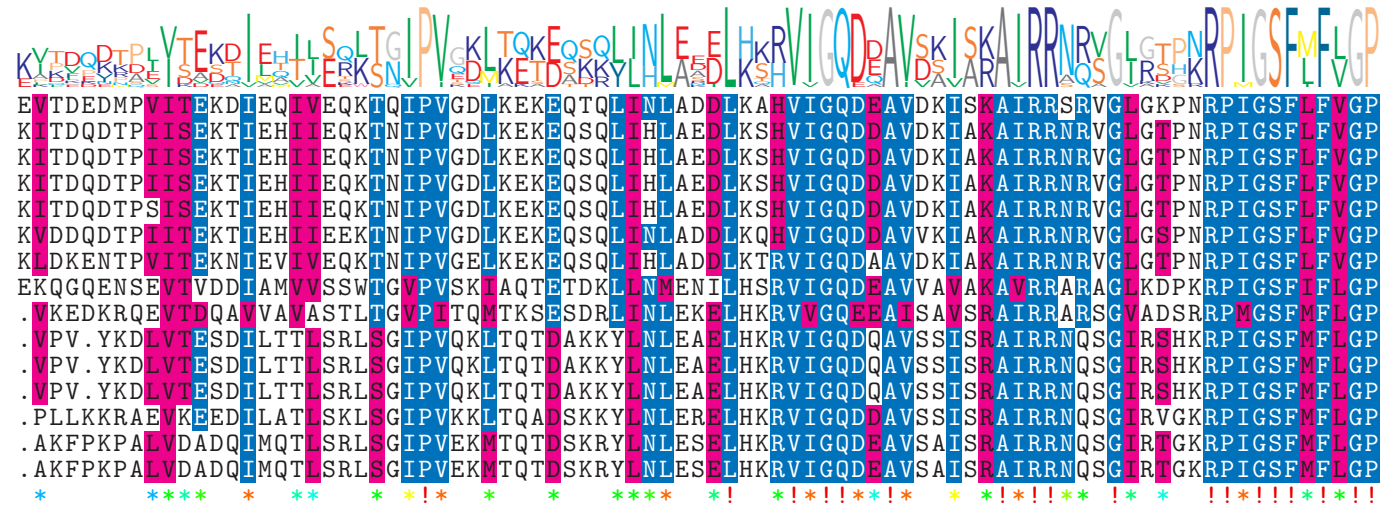
236
242
242
242
242
246
243
291
305
318
318
318
322
325
325

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 24736 SAK RS02940 WP 000882549.1
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

```



482
488
488
488
488
492
489
546
555
550
550
550
553
556
556

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 SP RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 24736 SAK RS02940 WP 000882549.1
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

```



567
573
573
573
573
577
574
631
640
635
635
635
638
641
641

logo



NTDB id 601 KW2 RS02615 WP 021036805.1	ISNQTQETAETTDEEVP	AE	748
NTDB id 281 KZH43 RS03550 WP 000882517.1	QIKSAKKA	AEVKSSEKEK..	752
NTDB id 245 SPD RS03860 WP 000882517.1	QIKSAKKA	AEVKSSEKEK..	752
NTDB id 243 SPR RS03635 WP 000882517.1	QIKSAKKA	AEVKSSEKEK..	752
NTDB id 241 SP RS04015 WP 000882523.1	QIKSAKKA	AEVKSSEKEK..	752
NTDB id 24736 SAK RS02940 WP 000882549.1	IIKSSKKTEESTKG....		753
NTDB id 378 SMU RS02690 WP 002263569.1	VIKASNKVETVTKATSD..		753
NTDB id 85 BSU 00860 NP 387967.1	VVKTTAKTN.....		810
NTDB id 610 V4T04 RS10165 WP 012897346.1	KIAQIV.....		816
NTDB id 290 KZH43 RS10025 WP 001109677.1	KFDIA.....		810
NTDB id 289 SPD RS10700 WP 001109677.1	KFDIA.....		810
NTDB id 287 SP RS11210 WP 001109712.1	KFDIA.....		810
NTDB id 377 SMU RS09275 WP 002262344.1	KFDIV.....		813
NTDB id 297 STER RS00545 WP 011680614.1	TFTVV.....		816
NTDB id 329 STU RS10020 WP 011225298.1	TFTVV.....		816
consensus			

- X non conserved
- X similar
- X ≥ 50% conserved