

logo

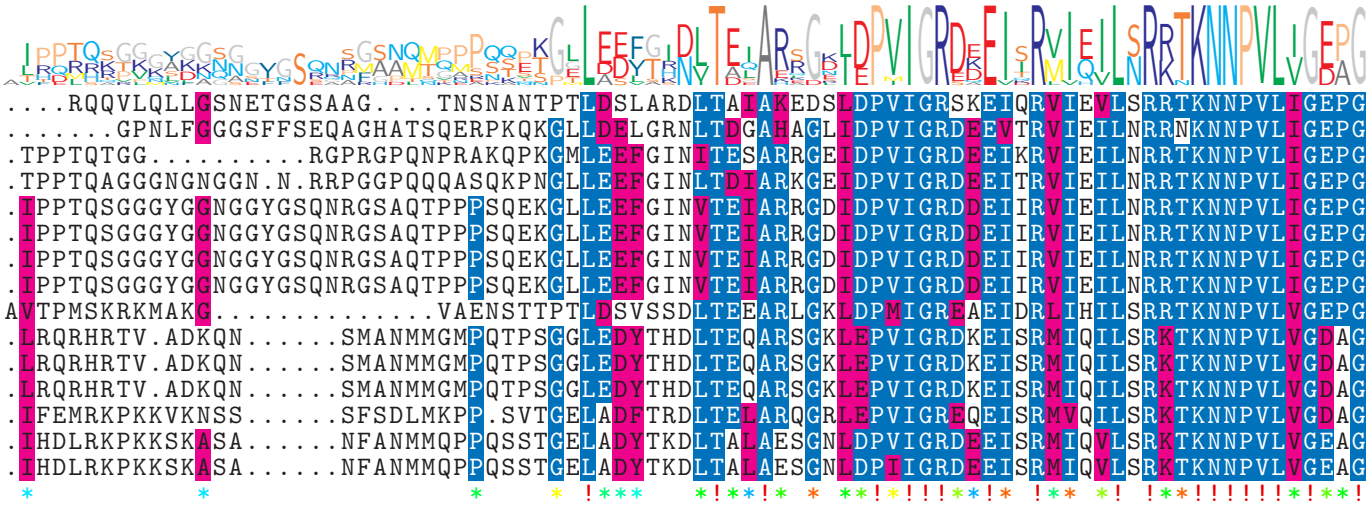
NTDB id 85 BSU 00860 NP 387967.1	..MMFGRFTERAQQVLALAQEEALRLGHNNIGTEHILLGLVREGEgiaAakALqALGLGSEKIqKEVESLI.....GRGQEMS	75
NTDB id 90815 NC3 RS06630 WP 236798045.1	MRCQHcQVNEATIRLNMqVN.....S.....	21
NTDB id 601 KW2 RS02615 WP 021036805.1	MLCQNCNINEATIHLYTSVN.....G.....	21
NTDB id 378 SMU RS02690 WP 002263569.1	MLCQNCkLNEATIHLYANVN.....G.....	21
NTDB id 281 KZH43 RS03550 WP 000882517.1	MLCQNCkINDSTIHLYTNLN.....G.....	21
NTDB id 245 SPD RS03860 WP 000882517.1	MLCQNCkINDSTIHLYTNLN.....G.....	21
NTDB id 243 SPR RS03635 WP 000882517.1	MLCQNCkINDSTIHLYTNLN.....G.....	21
NTDB id 241 SP RS04015 WP 000882523.1	MLCQNCkINDSTIHLYTNLN.....G.....	21
NTDB id 610 V4T04 RS10165 WP 012897346.1	MkFENIKYTPtLDRILEkaEEYahQYqGTIESaHLLaAMattSGsIAysLLAGMNVdSSdLLIDL.....EDLSSHvKVkR	77
NTDB id 287 SP RS11210 WP 001109712.1	MnYSkaLNEcIESaYmVagHFGaRYLESWhLLIaMSnHSySVagATLNdYPyEMdRLE.....EvaELeTtEdYSQdEtF	75
NTDB id 290 KZH43 RS10025 WP 001109677.1	MnYSkaLNEcIESaYmVagHFGaRYLESWhLLIaMSnHSySVagATLNdYPyEMdRLE.....EvaELeTtEdYSQdEtF	75
NTDB id 289 SPD RS10700 WP 001109677.1	MnYSkaLNEcIESaYmVagHFGaRYLESWhLLIaMSnHSySVagATLNdYPyEMdRLE.....EvaELeTtEdYSQdEtF	75
NTDB id 377 SMU RS09275 WP 002262344.1	MTdYSLkMQEvFrLaQfEaARfESSYLESWhVLLaMVEIdSSVaGLSfAEfEAdVrFEdYQAAaILaIGKKPKSSSN..DI	79
NTDB id 297 STER RS00545 WP 011680614.1	MTiYSRkMQaIFhRaQLEaERfESPfLETWhVLLaMVEVPGSVaYLTfTDFEdRIHSEeIeTAAVLAMEkRPkDLSESDII	81
NTDB id 329 STU RS10020 WP 011225298.1	MTiYSRkMQaIFhRaQLEaERfESPfLETWhVLLaMVEVPGSVaYLTfTDFEdRIHSEeIeTAAVLAMEkRPkDLSESDII	81
consensus	*.....*	

logo

NTDB id 85 BSU 00860 NP 387967.1	QTIHYTPRAKKVIELSMDEARKIGHSYVGTEHILLGLIREGEVAA...R.....VLNNTIGVSLNKA.....	134
NTDB id 90815 NC3 RS06630 WP 236798045.1	SRsQmVLcEdCYtSL...MEqSKMK.....M.....	44
NTDB id 601 KW2 RS02615 WP 021036805.1	KqKQIDLCqNCYqIM...KSGGQeALFGAGNASNgNSDEPFNP.....FNDIfsAtLqGq.DfNGaASnQ	81
NTDB id 378 SMU RS02690 WP 002263569.1	QqKQIDLCqNCYqIM...KtDPENgPLNHLsQQNsss...INP.....FFDdFFGDLNNfRAfNNQDLpN	80
NTDB id 281 KZH43 RS03550 WP 000882517.1	KqKQIDLCqNCYkII...KtDPNNsLFKGmTDLNnRD...FDP.....FGDFFNDLNNfRPSSN..TPP	77
NTDB id 245 SPD RS03860 WP 000882517.1	KqKQIDLCqNCYkII...KtDPNNsLFKGmTDLNnRD...FDP.....FGDFFNDLNNfRPSSN..TPP	77
NTDB id 243 SPR RS03635 WP 000882517.1	KqKQIDLCqNCYkII...KtDPNNsLFKGmTDLNnRD...FDP.....FGDFFNDLNNfRPSSN..TPP	77
NTDB id 241 SP RS04015 WP 000882523.1	KqKQIDLCqNCYkII...KtDPNNsLFKGmTDLNnRD...FDP.....FGDFFNDLNNfRPSSN..TPP	77
NTDB id 610 V4T04 RS10165 WP 012897346.1	StLRFSPRAEEVMtAASFLaIHNNSEaVGTEHLLYALLQVEDGfGLQLKL.....QKINIVSLrKELEKRTGLKVpESKK	153
NTDB id 287 SP RS11210 WP 001109712.1	TeLPFSrRLQVLfDEaEYvASvVhAKVLGTEhVLYaILhDSNaLaTRILeRaGfSYEDKKDQVKIAALrRNLEeRaGwTReDLKa	160
NTDB id 290 KZH43 RS10025 WP 001109677.1	TeLPFSrRLQILfDEaEYvASvVhAKVLGTEhVLYaILhDGNALaTRILeRaGfSYEDKKDQVKIAALrRNLEeRaGwTReDLKa	160
NTDB id 289 SPD RS10700 WP 001109677.1	TeLPFSrRLQILfDEaEYvASvVhAKVLGTEhVLYaILhDGNALaTRILeRaGfSYEDKKDQVKIAALrRNLEeRaGwTReDLKa	160
NTDB id 377 SMU RS09275 WP 002262344.1	MLLeQShALkRtLaEAAAISQVThaKEVGTEhVLFaMLLNPNLLaTRILeLVGFhAKDDGESIRLLDLrKVlERYAGfSKEDIKa	164
NTDB id 297 STER RS00545 WP 011680614.1	DLRaQSPALeAMlQEAQeIASvTGaVEVGSEhVLMaFILLHKDLMVCRLLeVAGfQYKDDSDKPRIIDLrRSLErNaGLSKQDLKa	166
NTDB id 329 STU RS10020 WP 011225298.1	DLRaQSPALeAMlQEAQeIASvTGaVEVGSEhVLMaFILLHKDLMVCRLLeVAGfQYKDDSDKPRIIDLrRSLErNaGLSKQDLKa	166
consensus	**.....***.....*.....**.....*	

logo

NTDB id 85 BSU 00860 NP 387967.1
NTDB id 90815 NC3 RS06630 WP 236798045.1
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 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



211
122
155
162
161
161
161
161
224
237
237
237
241
244
244

logo

NTDB id 85 BSU 00860 NP 387967.1
NTDB id 90815 NC3 RS06630 WP 236798045.1
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 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



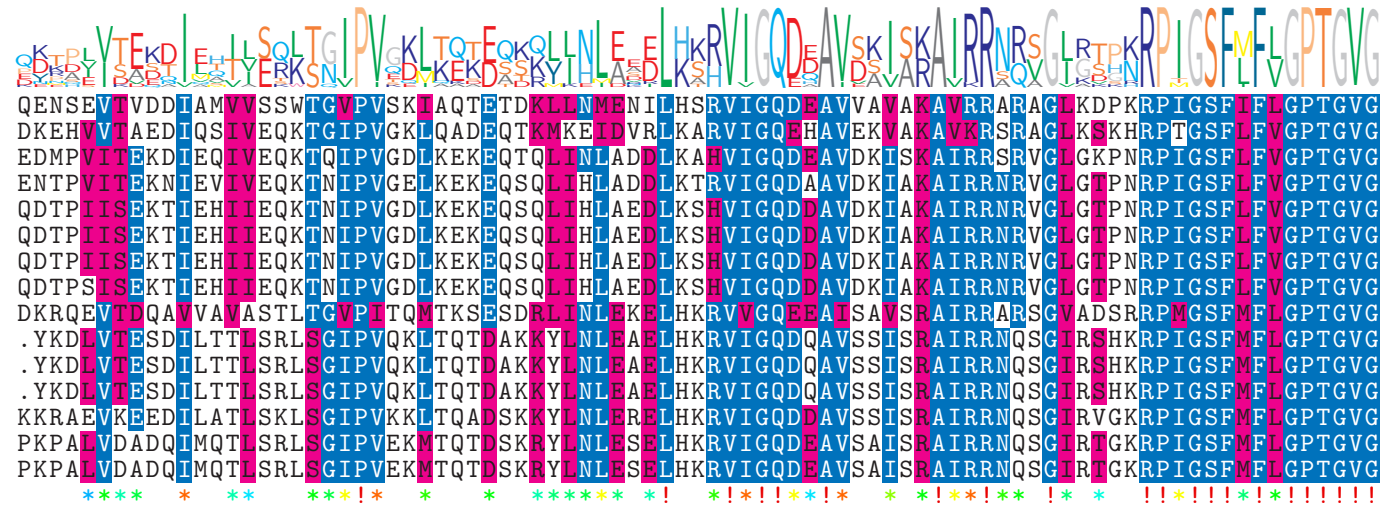
295
206
240
247
246
246
246
309
322
322
322
326
329
329

logo

```

NTDB id 85 BSU 00860 NP 387967.1
NTDB id 90815 NC3 RS06630 WP 236798045.1
NTDB id 601 KM2 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 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus

```



550
451
486
493
492
492
492
492
559
554
554
554
557
560
560

logo

```

NTDB id 85 BSU 00860 NP 387967.1
NTDB id 90815 NC3 RS06630 WP 236798045.1
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 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus

```



635
536
571
578
577
577
577
577
644
639
639
639
642
645
645

logo

NTDB id 85 BSU 00860 NP 387967.1	TAKTN.....	810
NTDB id 90815 NC3 RS06630 WP 236798045.1		701
NTDB id 601 KW2 RS02615 WP 021036805.1	TQETAETTTDEEVPAE	748
NTDB id 378 SMU RS02690 WP 002263569.1	SNK.VETVTKATSD.	753
NTDB id 281 KZH43 RS03550 WP 000882517.1	AKK.AEVKSSEKEK.	752
NTDB id 245 SPD RS03860 WP 000882517.1	AKK.AEVKSSEKEK.	752
NTDB id 243 SPR RS03635 WP 000882517.1	AKK.AEVKSSEKEK.	752
NTDB id 241 SP RS04015 WP 000882523.1	AKK.AEVKSSEKEK.	752
NTDB id 610 V4T04 RS10165 WP 012897346.1	IV.....	816
NTDB id 287 SP RS11210 WP 001109712.1	A.....	810
NTDB id 290 KZH43 RS10025 WP 001109677.1	A.....	810
NTDB id 289 SPD RS10700 WP 001109677.1	A.....	810
NTDB id 377 SMU RS09275 WP 002262344.1	V.....	813
NTDB id 297 STER RS00545 WP 011680614.1	V.....	816
NTDB id 329 STU RS10020 WP 011225298.1	V.....	816
consensus		



 non conserved
 similar
 ≥ 50% conserved