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NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 241 SP RS04015 WP 000882523.1
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 230758 BtSCAC15 RS00500 WP 000971183.1
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

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Sequence	Score
.....MLCQNCNINEA.....	11
.....MLCQNCKLNEA.....	11
.....MLCQNCCKINDS.....	11
.....MLCQNCCKINDS.....	11
.....MLCQNCCKINDS.....	11
.....MLCQNCCKINDS.....	11
.....MMFGRFTERAQKVLALSQEEAIRIGHNNIGTEHLLGLVREGEGIAAKALIALGLSPEKVQKEVEALIG.....R	70
.....MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHLLGLVREGEGIAAKALQALGLGSEKIQKEVESLIG.....R	70
MKFENIKYIPTLDRILEKAE EYAHQYQYGTLES A H L L A A M A T T S G S I A Y S L L A G M N V D S S D L L I D L.....EDLSSH	72
....MNYSKALNECIESAYMVA GHFGARYLES W H L L I A M S N H S Y S V A G A T L N D Y P Y E M D R L E....EVALELTETDYS	70
....MNYSKALNECIESAYMVA GHFGARYLES W H L L I A M S N H S Y S V A G A T L N D Y P Y E M D R L E....EVALELTETDYS	70
....MNYSKALNECIESAYMVA GHFGARYLES W H L L I A M S N H S Y S V A G A T L N D Y P Y E M D R L E....EVALELTETDYS	70
...MTDYS L K M Q E V F R L A Q F E A A R F E S S Y L E S W H V L L A M V E I D S S V A G L S F A E F E A D V R F E D Y Q A A A I A I G K K P K S S S	76
...MTIYS R K M Q A I F H R A Q L E A E R F E S P F L E T W H V L L A M V E V T G S V A Y L T F T D F E D R I H S E E I E T A A V L A M E K R P K D L S	76
...MTIYS R K M Q A I F H R A Q L E A E R F E S P F L E T W H V L L A M V E V P G S V A Y L T F T D F E D R I H S E E I E T A A V L A M E K R P K D L S	76

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AGSSNEDLKA	LPDTSSGG	QNSCANQMPDPSSTGL	EEFTDLTEARSGKLDPVGRDEEIKRV	
.DFNGAASNQ....TPPTQTGG.....RGPRGPQNPRAKQPKMLEEFGINITESARRGEIDPVIGRDEEIKRV				136
RAFNNQDLPN....TPPTQAGGGNGNGGN.N.RRPGGPQQQASQKPNGLLEFGINLTDIARKGEIDPVIGRDEEITRV				143
RPSSN..TTP....IPPTQSGGGYGGNGGYGSQNRGSAQTTPPSQEKGLEEFGINVTEIARRGDIIDPVIGRDEEIRV				142
RPSSN..TTP....IPPTQSGGGYGGNGGYGSQNRGSAQTTPPSQEKGLEEFGINVTEIARRGDIIDPVIGRDEEIRV				142
RPSSN..TTP....IPPTQSGGGYGGNGGYGSQNRGSAQTTPPSQEKGLEEFGINVTEIARRGDIIDPVIGRDEEIRV				142
RPSSN..TTP....IPPTQSGGGYGGNGGYGSQNRGSAQTTPPSQEKGLEEFGINVTEIARRGDIIDPVIGRDEEIRV				142
.....ASSGHQGSSTNANTPTLDSLARDLTVVARENRDLPVIGRSKEIQRV				193
.....TGSSA.AGTNSNANTPTLDSLARDLTAIAKEDSLDPVIGRSKEIQRV				192
TGLKVPESKKAVTPMSKRKMAKQ.....VAENSTPTLDSVSSDLTEEARLGLDPMIGRAEIDRL				205
AGWTREDLKA.LRQRHRTV.ADK.....QNSMANMMGMPQTSPGGLEDYTHDLTEQARSCKLEPVIGRDKKEISM				218
AGWTREDLKA.LRQRHRTV.ADK.....QNSMANMMGMPQTSPGGLEDYTHDLTEQARSCKLEPVIGRDKKEISM				218
AGWTREDLKA.LRQRHRTV.ADK.....QNSMANMMGMPQTSPGGLEDYTHDLTEQARSCKLEPVIGRDKKEISM				218
AGFSKEDIKA.IFEMRKPKKVKN.....SSSFSDLMKPPSVTGLADFTRLTELARQGRLEPVIGREQEISM				222
AGLSKQDLKA.IHDLRKPKKSKA.....SANFANMMQPPQSSSTGELADYTKDLTALAESGNLDPVIGRDEEISM				225
AGLSKQDLKA.IHDLRKPKKSKA.....SANFANMMQPPQSSSTGELADYTKDLTALAESGNLDPVIGRDEEISM				225

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NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
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NTDB id	601	KW2	RS02615	WP	021036805.1	DVIMFIDELTHEIVGAGSAGDGNMDACNILKPALARGEQLQLVGATTLNEYR.IIEKDAALERMMQPVKVDEPSVDETITIL	295
NTDB id	378	SMU	RS02690	WP	002263569.1	DVILFIDELTHEIVGAGSAGDGNMDACNILKPALARGEQLQLVGATTLNEYR.IIEKDAALERMMQPVKVDEPSVAETITIL	302
NTDB id	241	SP	RS04015	WP	000882523.1	DIILFIDELTHEIVGAGSASDGNMDACNILKPALARGEQLQLVGATTLNEYR.IIEKDAALERMMQPVKVDEPTVDETITIL	301
NTDB id	281	KZH43	RS03550	WP	000882517.1	DIILFIDELTHEIVGAGSASDGNMDACNILKPALARGEQLQLVGATTLNEYR.IIEKDAALERMMQPVKVDEPTVDETITIL	301
NTDB id	245	SPD	RS03860	WP	000882517.1	DIILFIDELTHEIVGAGSASDGNMDACNILKPALARGEQLQLVGATTLNEYR.IIEKDAALERMMQPVKVDEPTVDETITIL	301
NTDB id	243	SPR	RS03635	WP	000882517.1	DIILFIDELTHEIVGAGSASDGNMDACNILKPALARGEQLQLVGATTLNEYR.IIEKDAALERMMQPVKVDEPTVDETITIL	301
NTDB id	230758	BtSCAC15	RS00500	WP	000971183.1	NIIILFIDELHTLIGAGG.AEGAITDASNILKPSLARGEQLQCIGATTLD EYRK Y IEKDAALERRFQPIHVDEPSLEESTQIL	352
NTDB id	85	BSU	00860	NP	387967.1	NIIILFIDELHTLIGAGG.AEGAITDASNILKPSLARGEQLQCIGATTLD EYRK Y IEKDAALERRFQPIQVDDQSPVDESITQIL	351
NTDB id	610	V4T04	RS10165	WP	012897346.1	DVIIFIDELHTIIGAGG.GMDSVNDAANILKPALARGDFQMVGATTYHEYQKYIEKDEALERRLARINVPDESPDEAIAL	365
NTDB id	290	KZH43	RS10025	WP	001109677.1	QVILFIDELHTIMGSGSIDSTLDAANILKPALARGTLRTVGATTQEYQKHIEKDAALSRRFAKVTTIEEPSVADSMITIL	378
NTDB id	289	SPD	RS10700	WP	001109677.1	QVILFIDELHTIMGSGSIDSTLDAANILKPALARGTLRTVGATTQEYQKHIEKDAALSRRFAKVTTIEEPSVADSMITIL	378
NTDB id	287	SP	RS11210	WP	001109712.1	QVILFIDELHTIMGSGSIDSTLDAANILKPALARGTLRTVGATTQEYQKHIEKDAALSRRFAKVTTIEEPSVADSMITIL	378
NTDB id	377	SMU	RS09275	WP	002262344.1	HIVLFIDELHTIMGSGSIDSTLDAANILKPALARGSLRTIGATTQEYQKHIEKDAALSRRFAKVTTIEEPSEEEAYQIL	382
NTDB id	297	STER	RS00545	WP	011680614.1	KIILFIDELHTIIGSGSIDSTLDAANILKPALARGTLHMGATTQA EY Q KH I EK DA AL S RR FA K IT I EP SV SE A ID IL	385
NTDB id	329	STU	RS10020	WP	011225298.1	KIILFIDELHTIIGSGSIDSTLDAANILKPALARGTLHMGATTQA EY Q KH I EK DA AL S RR FA K IT I EP SV SE A ID IL	385
consensus						* * * ! ! ! ! * ! * * * ! * ! * * * * ? ? ! ! ! * ! ! ! ! ! * ! ! ! ! * * * * ! ! ! ! ! ? ! ! ? ! ! ! ! * ! ! ! ! * * * * ! * * * * ! * * * * ! * * * * !	

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consensus



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