

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1	MRKIIAIIIL..ISASISMAYSKDNLSISVKVLPLENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ	78
NTDB id 1257 GC085 RS04855 WP 163621000.1	MRKIIAIIIL..ISASISLAYSKDNLSISVKVLPLENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ	78
NTDB id 155304 A6681 RS27445 WP 069376938.1	MNSGLSRLGIALAA.MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVA.VPRGYTIEQPARIALDLPGVQNKLG..T	76
NTDB id 1193 PAKAF RS26665 WP 003161249.1	MNSGLSRLGIALAA.MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVA.VPRGYTIEQPARIALDLPGVQNKLG..T	76
NTDB id 1009 ACIAD RS15175 WP 004923730.1	MKQIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGQGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDKAGQKLA..K	77
NTDB id 1039 HON27 RS01460 WP 031993779.1	MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGLK..Q	77
NTDB id 1052 ABD1 RS15850 WP 001017033.1	MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGLK..Q	77
consensus	!* ** * ** *** * *** ** * ** *****! ** ! ** ***! !!!!!* ** *	

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1	KTITVSTGEASVDVSDDDRRLIVNLKDSGYSYTRVEGNVEILVINNSQTSAS	145
NTDB id 1257 GC085 RS04855 WP 163621000.1	KTITVSTGEASVDVSDDDRRLIVNLKDSGYSYTRVEGNVEILVINNSQTSAS	145
NTDB id 155304 A6681 RS27445 WP 069376938.1	KNRELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTTRVEGNLFFVVGNPAGASVASAAPVRASPAPASYAQPIKPKPY	156
NTDB id 1193 PAKAF RS26665 WP 003161249.1	KNRELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTTRVEGNLFFVVGNPAGASVASAAPVRASPAPASYAQPIKPKPY	156
NTDB id 1009 ACIAD RS15175 WP 004923730.1	SLIPVTTNEASSIDVSSDDKRRARVVVNLKDAGAFTRTRVEGNVFILKINNIQSTAT....P....VAT..SAP.....	139
NTDB id 1039 HON27 RS01460 WP 031993779.1	SKI SVATNEASSVDVTSDDQRSRLTVNLKDTGAFTRTRVEGNVFILKINSAQTSNK....P....LPV..VS.....	138
NTDB id 1052 ABD1 RS15850 WP 001017033.1	SKI SVATNEASSVDVTSDDQRSRLTVNLKDTGAFTRTRVEGNVFILKINSAQTSNK....P....LPV..VS.....	138
consensus	* *** ** !* ** *! !*****! *****! * **** * *	

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1	VNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 1257 GC085 RS04855 WP 163621000.1	VNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 155304 A6681 RS27445 WP 069376938.1	VPAGRAIRNIDFQRGEKGEGNVVIDLSPTLSPDIEQGGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASQSDRT	236
NTDB id 1193 PAKAF RS26665 WP 003161249.1	VPAGRAIRNIDFQRGEKGEGNVVIDLSPTLSPDIEQGGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASQSDRT	236
NTDB id 1009 ACIAD RS15175 WP 004923730.1	.APQQGIGNIGFQRGAQGEGLVVIDLQGTINTPVDVQQQGSKVVRFPGKIKIPHTLARRLNTTDFATPVASIDSYNDGSNG	218
NTDB id 1039 HON27 RS01460 WP 031993779.1	.AQPQGVSNIGFQRGSQGEGLVVIDLGSNTPVDVQQQGSKVVRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG	217
NTDB id 1052 ABD1 RS15850 WP 001017033.1	.AQPQGVSNIGFQRGSQGEGLVVIDLGSNTPVDVQQQGSKVVRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG	217
consensus	* * ****!* !*****! !!!!!*****! ***** * * ***! ! !***** !!!!!!* * * ** *	

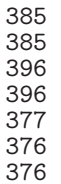
logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1	RM TILSKGDYGHFVYQVVKQFMVDVFPLTAEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQG	305
NTDB id 1257 GC085 RS04855 WP 163621000.1	RM TILSKGDYGHFVYQVVKQFMVDVFPLTAEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQG	305
NTDB id 155304 A6681 RS27445 WP 069376938.1	SITIEPSGLYDYL VYQTDNRLTVSIKPMTMEAEARRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQG	316
NTDB id 1193 PAKAF RS26665 WP 003161249.1	SITIEPSGLYDYL VYQTDNRLTVSIKPMTMEAEARRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQG	316
NTDB id 1009 ACIAD RS15175 WP 004923730.1	VISIQTSGSYEYMAQAEENKLTISLKRQDNV.RLNSKNNQNYTGKKLSLDFQDIEVRRVLQLLADFTGINMVTADSQQG	297
NTDB id 1039 HON27 RS01460 WP 031993779.1	VITIQTSGSYEYMAQAEENKLTISLKRQDNV.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSQQG	296
NTDB id 1052 ABD1 RS15850 WP 001017033.1	VITIQTSGSYEYMAQAEENKLTISLKRQDNV.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSQQG	296
consensus	**! **! !*****! ********** * * * * **! ****!* !!!!!***** !!!!!***** !!!!!	

```

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 155304 A6681 RS27445 WP 069376938.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus

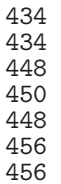
```



```

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 155304 A6681 RS27445 WP 069376938.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus

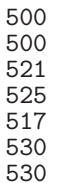
```



```

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 155304 A6681 RS27445 WP 069376938.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus

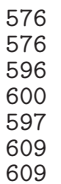
```



```

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 155304 A6681 RS27445 WP 069376938.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus

```



logo

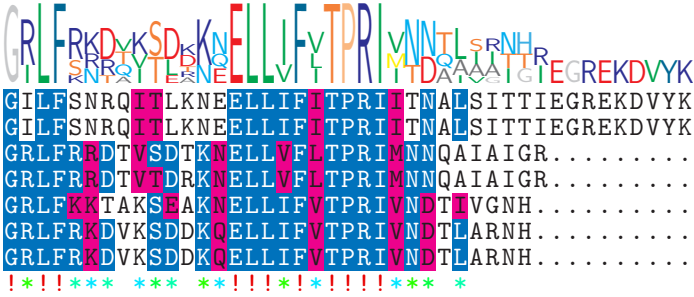
NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 155304 A6681 RS27445 WP 069376938.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus



655
655
676
680
676
688
688

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 155304 A6681 RS27445 WP 069376938.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus



698
698
710
714
709
721
721

X non conserved
X similar
X ≥ 50% conserved