

NTDB id	1284	ACE17W	RS12370	WP	010946666.1		MRKIIAILI..ISASISMAYSKDNSLISVKVLP	PENVRVIDFQFSKPLKQLPASFITQKPPRL	63
NTDB id	1257	GC085	RS04855	WP	163621000.1		MRKIIAILI..ISASISLAYSKDNLISVKVLP	PENVRVIDFQFSKPLKQLPASFITQKPPRL	63
NTDB id	1193	PAKAF	RS26665	WP	003161249.1		MNSGLSRLGIALAA.MFAPALLAADLEKDVAAL	PGDRVELKIFDEPVA.APRGYTIEQPARI	63
NTDB id	1002644	ABEF85	RS13555	WP	347463951.1	MNKS	SFKEFIFGDGNTMNHVFRQFSMGAVAIAMQAASAQIAITNVVPMQV	PGQGTEIRVMFNGLPP.QPQAYMESPSRL	79
NTDB id	1009	ACIAD	RS15175	WP	004923730.1		MKQILRQFSIGTVAYIAMQVASAQVAITNVVPMNI	PGQGTEIRVMFNGLPP.QPQAYQLEQPARL	64
NTDB id	1052	ABD1	RS15850	WP	001017033.1		MNHVFRQFSMGAVAIAMQAASAQVSMTNIVPMQI	IAGQGTEIRVMFNGLPP.QPQAYQLENPSRL	64
NTDB id	1039	HON27	RS01460	WP	031993779.1		MNHVFRQFSMGAVAIAMQAASAQVSMTNIVPMQI	IAGQGTEIRVMFNGLPP.QPQAYQLENPSRL	64
consensus							!*****!	*!*****!*!*****!	

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NTDB id 1284 ACE17W RS12370 WP 010946666.1 VLDFISTDMDQTPSDQKTKTITQLGSLHSYNIIVAVGDRVRRAILELDRSVSYSGSTAGSIYSVLVNGKSNDLFENSKE..... 138
NTDB id 1257 GC085 RS04855 WP 163621000.1 VLDFISTDMDQTPSDQKTKTITQLGSLHSYNIIVAVGDRVRRAILELDRSVSYSGSTAGSISVLVNGKSNDLFENSKE..... 138
NTDB id 1193 PAKAF RS26665 WP 003161249.1 ALDLPGVGKIIG..TKNRELTVGNTRSVTVVEAKDRTRLINLTLSSTVTTRVEGNLNFVVGNSPAGASVASTAPVKAS 141
NTDB id 1002644 ABEF85 RS13555 WP 347463951.1 ILDFEQAKQNKLK..QGNIPTATKEASSVDVSSDAQRARLTVNLA DAGAFTTTRVEGNTFILKINSNPVATV..... 148
NTDB id 1009 ACIAD RS15175 WP 004923730.1 ILDFDKAGQKLA..KSLIPVTTNEASSIDVSSDDKRARVVVNLIKD AGAFTTTRVEGNVFILKINNIIQSTATP..... 133
NTDB id 1052 ABD1 RS15850 WP 001017033.1 ILDFDKAQGGKLG..QSKITSVAINEASSVDVTSDDQRSRLTVNLKD DAGAFTTTRVEGNTFILKINSQAQTSNKP..... 133
NTDB id 1039 HON27 RS01460 WP 031993779.1 ILDFDKAQGGKLG..QSKITSVAINEASSVDVTSDDQRSRLTVNLKDT GAFTTTRVEGNTFILKINSQAQTSNKP..... 133
consensus *!!** * * * ** ** ** !!!!!!! * !!** **! * *****!* ****
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NTDB id 1257 GCO85 RS04855 WP 163621000.1 .....VFITNQVVMAKHETKRIDFRGIEKQGGCRVLIDVSDTIGIPIDVTQVGKEIVVNFINTKIPLNLMKRYDVSDFH 210
NTDB id 1193 PAKAF RS26665 WP 003161249.1 PAPASYAQPIKPYPYVAGRARIRNIDFRGEGEKGCNVVIDLSDPTLSPDIGEQGCKIRLDFAKTQLPDALVRVLDVKDFA 221
NTDB id 1002644 ABEF85 RS13555 WP 347463951.1 .QP.....VVVQ.QAAQGITNIGFQRGAKGEGQVVVDLASGNTPVDVQQQGTKIIVVRALGSKIPAHLTRRLNVNDFA 217
NTDB id 1009 ACIAD RS15175 WP 004923730.1 .VA.....TSAPAPQQGGIGNIGFQRGAQGEGLVVIDLQGNTNPVDVQQQGSKVVVRFPGTIKIPHTLARRLNTTDFA 203
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consensus * * * * * * * * * * ! * * * * * * * * * * ! * * * * * * * * * * ! *
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logo

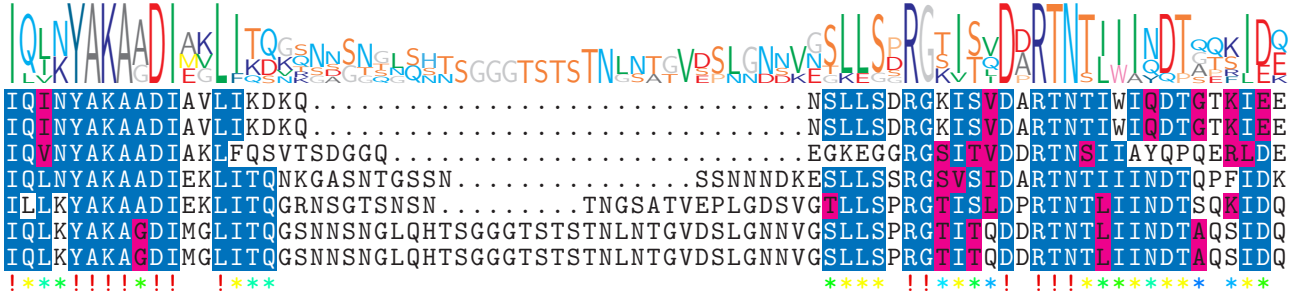
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consensus



370
370
381
376
362
361
361

logo

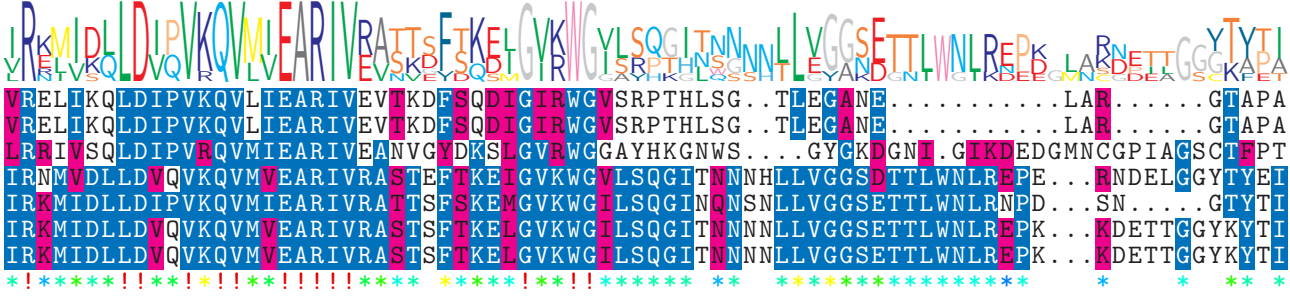
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consensus



419
419
435
441
433
441
441

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1
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NTDB id 1039 HON27 RS01460 WP 031993779.1
consensus



480
480
510
518
505
518
518

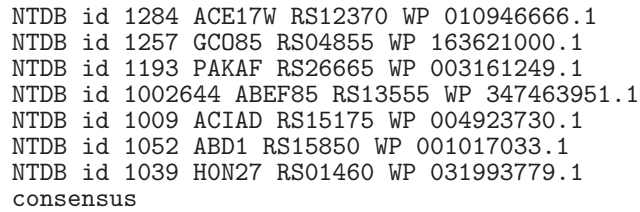
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NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
consensus



559
559
583
589
577
589
589

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NTDB id 1284 ACE17W RS12370 WP 010946666.1
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NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1002644 ABEF85 RS13555 WP 347463951.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
consensus
```



X	non conserved
X	similar
X	$\geq 50\%$ conserved