

logo

|                                             |                                                                                   |    |
|---------------------------------------------|-----------------------------------------------------------------------------------|----|
| NTDB id 1347 HI 0435 AAC22094.1             | MNSGLSRLGIALLAAMFAPALLAADLEKLDVAALPGDRVELKLQFDEPVAAPRGYTI EQPARIALDLPGVQNKLGTKNRE | 0  |
| NTDB id 1373 NTHI RS02645 WP 011272046.1    | .....                                                                             | 0  |
| NTDB id 50958 K5630 RS01800 WP 020899529.1  | .....                                                                             | 0  |
| NTDB id 1433 BW25113 RS17570 WP 000815987.1 | .....                                                                             | 0  |
| NTDB id 1193 PA5040 NP 253727.1             | MNSGLSRLGIALLAAMFAPALLAADLEKLDVAALPGDRVELKLQFDEPVAAPRGYTIEQPARIALDLPGVQNKLGTKNRE  | 80 |
| NTDB id 1186 GTF74 RS01320 WP 000788426.1   | .....                                                                             | 0  |
| NTDB id 1175 A1552VC RS12105 WP 000788426.1 | .....                                                                             | 0  |
| NTDB id 1408 DSB67 RS13980 WP 010643500.1   | .....                                                                             | 0  |
| consensus                                   |                                                                                   |    |

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|                                             |                                                                                 |     |
|---------------------------------------------|---------------------------------------------------------------------------------|-----|
| NTDB id 1347 HI 0435 AAC22094.1             | LSVGNTRSVTVWEAKDRTRLIINLTALSSYTTRVEGNNLFVVVGNPAGASVASAAPVKASPAPASYAQPIKPKPYVPAG | 0   |
| NTDB id 1373 NTHI RS02645 WP 011272046.1    | .....                                                                           | 0   |
| NTDB id 50958 K5630 RS01800 WP 020899529.1  | .....                                                                           | 0   |
| NTDB id 1433 BW25113 RS17570 WP 000815987.1 | .....                                                                           | 0   |
| NTDB id 1193 PA5040 NP 253727.1             | LSVGNTRSVTVVEAKDRTRLIINLTALSSYTTRVEGNNLFVVVGNPAGASVASAAPVKASPAPASYAQPIKPKPYVPAG | 160 |
| NTDB id 1186 GTF74 RS01320 WP 000788426.1   | .....MKNGLKT..YVAQTW.....LTLWVGLALCAS.....S....MVFSAESATA                       | 36  |
| NTDB id 1175 A1552VC RS12105 WP 000788426.1 | .....MKNGLKT..YVAQTW.....LTLWVGLALCAS.....S....MVFSAESATA                       | 36  |
| NTDB id 1408 DSB67 RS13980 WP 010643500.1   | .....MKMRHGLTLTPRKLTGL.....FSLWFSLLLAP.....FVAEEVQS                             | 37  |
| consensus                                   |                                                                                 |     |

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|                                             |                                                                                    |     |
|---------------------------------------------|------------------------------------------------------------------------------------|-----|
| NTDB id 1347 HI 0435 AAC22094.1             | NQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLV   | 0   |
| NTDB id 1373 NTHI RS02645 WP 011272046.1    | .....                                                                              | 0   |
| NTDB id 50958 K5630 RS01800 WP 020899529.1  | .....                                                                              | 0   |
| NTDB id 1433 BW25113 RS17570 WP 000815987.1 | .....                                                                              | 0   |
| NTDB id 1193 PA5040 NP 253727.1             | RAIRNIDFQRGEKGEKNVVIDLSDPITLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASDAQSDRTSITI | 240 |
| NTDB id 1186 GTF74 RS01320 WP 000788426.1   | NQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLV   | 116 |
| NTDB id 1175 A1552VC RS12105 WP 000788426.1 | NQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLV   | 116 |
| NTDB id 1408 DSB67 RS13980 WP 010643500.1   | NSLKSIDFRTNKDKDAVIVVELVSPAAIVDIKRVQEGLSIDLLNTSVKDDQLYLLDVKDFSTVVESVEVFRDTSTTRLVA   | 117 |
| consensus                                   |                                                                                    |     |

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|---------------------------------------------|-----------------------------------------------------------------------------------|-----|
| NTDB id 1347 HI 0435 AAC22094.1             | .....MKKYFLKCGYFLVCFCLPLIVF.....ANPKTDNERFFIRLSQAPLAQTLEQLAFQQDVNLVIGDILENKIS     | 67  |
| NTDB id 1373 NTHI RS02645 WP 011272046.1    | .....MKKYFLKCGYFLVCFCLPLIVF.....ANPKTDNECFIRLSQAPLAQTLEQLAFQQDVNLVIGDILENKIS      | 67  |
| NTDB id 50958 K5630 RS01800 WP 020899529.1  | .....MK.RWIAIILIALM.....PAAQAGKA AKVTLVVDVDPVQVQLQLAEQERQNLVVSQDVSGTIS            | 59  |
| NTDB id 1433 BW25113 RS17570 WP 000815987.1 | .....MK.QWIAALLLMLI.....PGVQAAPKQKVTLMVDVDPVQVQLQALAEQEKLNLVVSQDVSGTIS            | 59  |
| NTDB id 1193 PA5040 NP 253727.1             | EPGSLYDYLVTQTD.NRLTIVSIKPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQGNIT | 319 |
| NTDB id 1186 GTF74 RS01320 WP 000788426.1   | TVDGEFQHDYTLKG.KYLEVVISKLK.ADEKPKPKSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVGNLT  | 194 |
| NTDB id 1175 A1552VC RS12105 WP 000788426.1 | TVDGEFQHDYTLKG.KYLEVVISKLK.ADEKPKPKSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVGNLT  | 194 |
| NTDB id 1408 DSB67 RS13980 WP 010643500.1   | YIDEDYSHDYRLTG.RYLEVVKVGLK.ANEKAPDKSILDKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVGNLT  | 195 |
| consensus                                   | * * * * *                                                                         |     |

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consensus



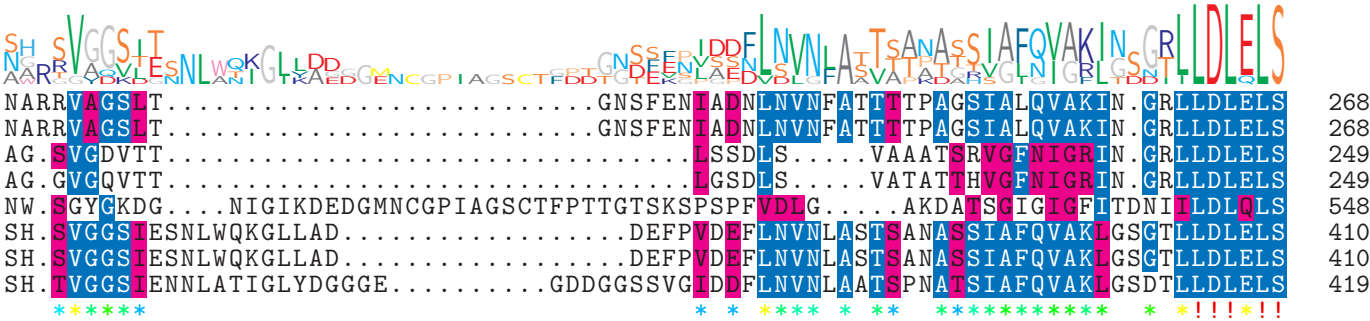
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consensus



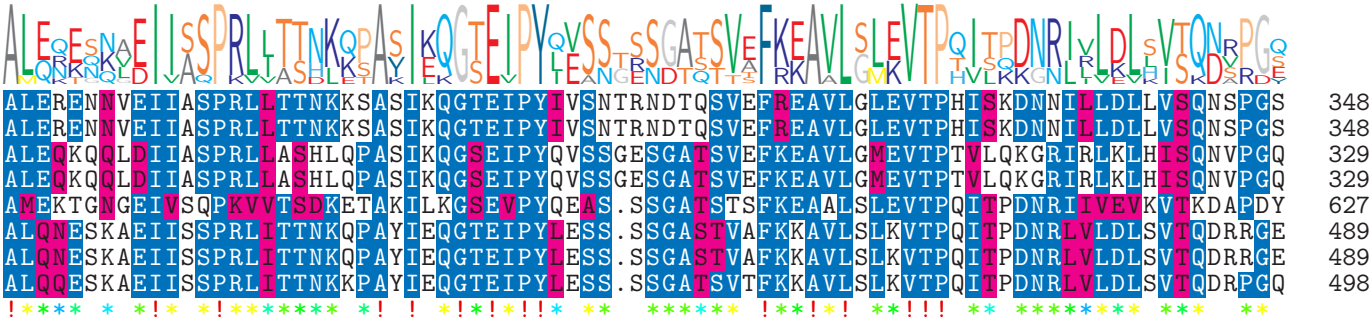
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consensus

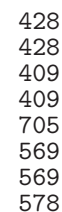


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consensus



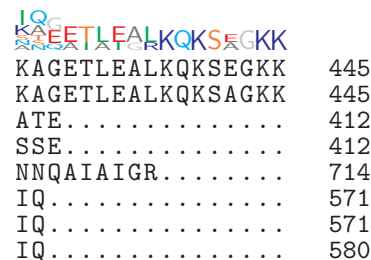
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NTDB id 1408 DSB67 RS13980 WP 010643500.1
consensus

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- ☐ non conserved
- ☒ similar
- ☒  $\geq 50\%$  conserved