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|           |        |         |         |            |             |
|-----------|--------|---------|---------|------------|-------------|
| NTDB id   | 1177   | A1552VC | RS01165 | WP         | 000422572.1 |
| NTDB id   | 1019   | ACIAD   | RS04205 | WP         | 004922051.1 |
| NTDB id   | 348833 | EY643   | RS19100 | WP         | 153240751.1 |
| NTDB id   | 1203   | PSJM300 | 01605   | AFN76401.1 |             |
| NTDB id   | 1307   | DR      | RS10055 | WP         | 010888596.1 |
| NTDB id   | 1283   | ACE17W  | RS02630 | WP         | 010947729.1 |
| NTDB id   | 1259   | GC085   | RS10305 | WP         | 010947729.1 |
| NTDB id   | 1194   | PAKAF   | RS01995 | WP         | 003084552.1 |
| consensus |        |         |         |            |             |



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| NTDB id   | 1194   | PAKAF   | RS01995 | WP         | 003084552.1 |
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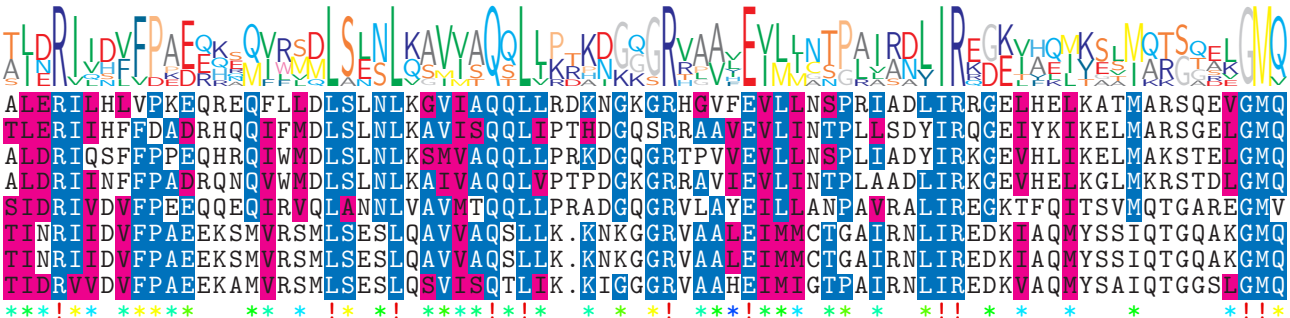
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|                                             |                                                                                   |     |
|---------------------------------------------|-----------------------------------------------------------------------------------|-----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1 | TFDQALYQLVVDDKISEQDAIHSADSANDLRLMLKTKRGDDYGSG.S.....LQNVKIDME.....                | 368 |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1   | TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRER.MSEMERKMTFDGQ...RRNLK.....      | 383 |
| NTDB id 348833 EY643 RS19100 WP 153240751.1 | TLDQSLVKAYKEGLISKEDAIRFADSANDVRLQIKMHD RGIGTGE.....ADELSLSFDEGEDEGRFMGRS.....     | 381 |
| NTDB id 1203 PSJM300 01605 AFN76401.1       | TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSV....SQGLTLEMSDDD.PGRSFR.....      | 381 |
| NTDB id 1307 DR RS10055 WP 010888596.1      | TMDAYLAGLFRRHLYTYDKGLERAIDPKEFARLANDASAGLGGASMTPAAPPVPAYNSASSSSSTGRGGDFGRGAAAPATP | 399 |
| NTDB id 1283 ACE17W RS02630 WP 010947729.1  | TLDQHLTELVNKNIISKHTAHEAALNKSLF.....                                               | 344 |
| NTDB id 1259 GC085 RS10305 WP 010947729.1   | TLDQHLTELVNKNIISKHTAHEAALNKSLF.....                                               | 344 |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1   | TLDMCLKGLVAKGLISRENAREKAKIPENF.....                                               | 344 |
| consensus                                   | ! * ! * * * ! * * * !                                                             |     |

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|---------------------------------------------|---------------------|-----|
| NTDB id 1177 A1552VC RS01165 WP 000422572.1 | .....               | 368 |
| NTDB id 1019 ACIAD RS04205 WP 004922051.1   | .....               | 383 |
| NTDB id 348833 EY643 RS19100 WP 153240751.1 | .....               | 381 |
| NTDB id 1203 PSJM300 01605 AFN76401.1       | .....               | 381 |
| NTDB id 1307 DR RS10055 WP 010888596.1      | AAPAAGRSEPGRAGGFGRR | 418 |
| NTDB id 1283 ACE17W RS02630 WP 010947729.1  | .....               | 344 |
| NTDB id 1259 GC085 RS10305 WP 010947729.1   | .....               | 344 |
| NTDB id 1194 PAKAF RS01995 WP 003084552.1   | .....               | 344 |
| consensus                                   |                     |     |

- ⓧ

 non conserved
- ⓧ

 similar
- ⓧ

 ≥ 50% conserved