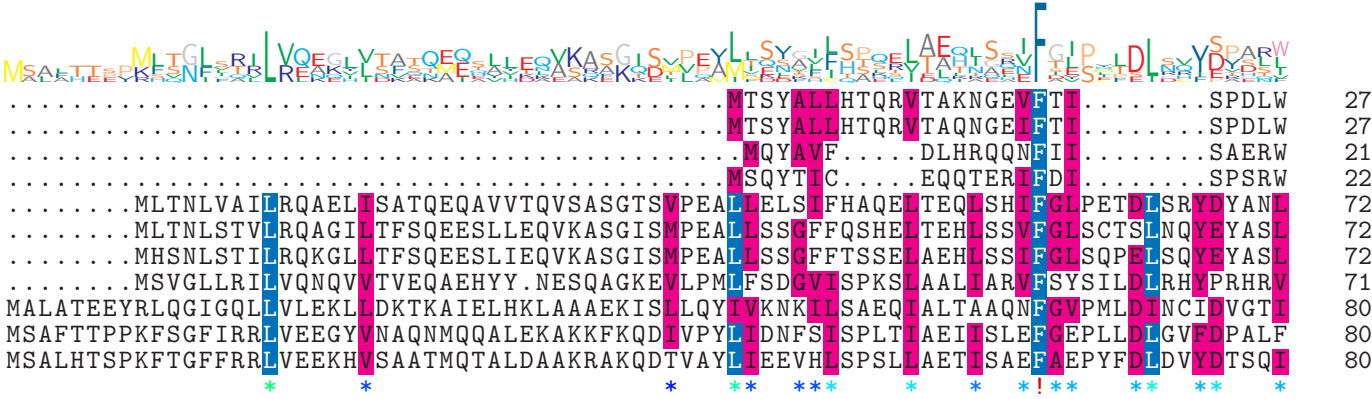


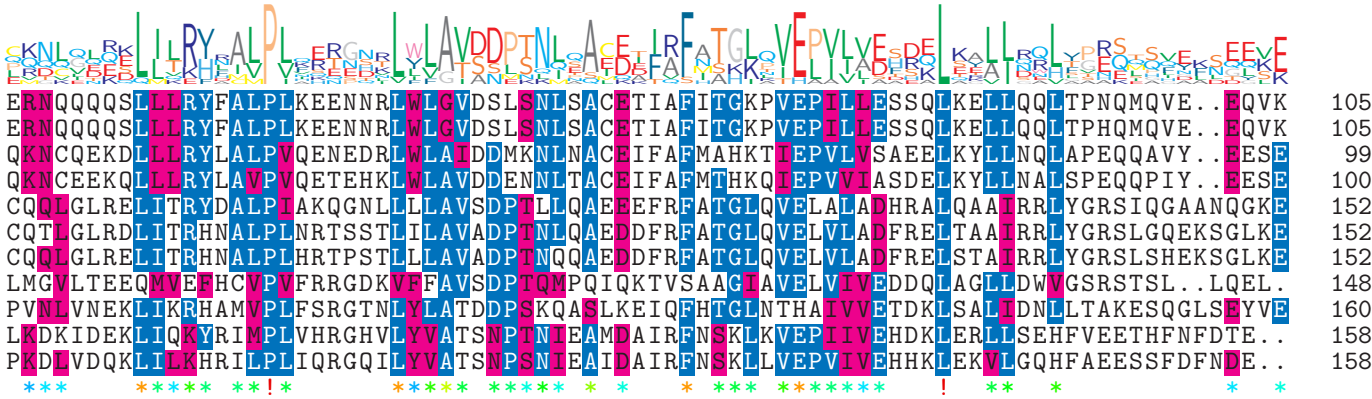
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|           |        |         |         |                |
|-----------|--------|---------|---------|----------------|
| NTDB id   | 1355   | HI      | 0298    | AAC21962.1     |
| NTDB id   | 1366   | NTHI    | RS01950 | WP 011271972.1 |
| NTDB id   | 179632 | A6045   | RS06495 | WP 064083186.1 |
| NTDB id   | 1384   | A4U84   | RS08525 | WP 010787006.1 |
| NTDB id   | 1168   | A1552VC | RS11070 | WP 000957200.1 |
| NTDB id   | 1401   | DSB67   | RS12665 | WP 010643259.1 |
| NTDB id   | 1293   | VP      | RS12240 | WP 005479695.1 |
| NTDB id   | 1110   | NGFG    | RS09235 | WP 003689817.1 |
| NTDB id   | 1251   | GC085   | RS07725 | WP 011946523.1 |
| NTDB id   | 1018   | ACIAD   | RS01685 | WP 004920473.1 |
| NTDB id   | 1058   | ABD1    | RS01615 | WP 001274986.1 |
| consensus |        |         |         |                |



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| NTDB id   | 1018   | ACIAD   | RS01685 | WP 004920473.1 |
| NTDB id   | 1058   | ABD1    | RS01615 | WP 001274986.1 |
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| consensus |        |         |         |                |



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NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

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|                                             |                                                                                      |     |
|---------------------------------------------|--------------------------------------------------------------------------------------|-----|
| NTDB id 1355 HI 0298 AAC21962.1             | .....ANSCDCH.QGYRGRIGVYQFLHWQQND.....Y.....QTD                                       | 443 |
| NTDB id 1366 NTHI RS01950 WP 011271972.1    | .....INSCDCH.QGYRGRIGVYQFLHWQQNG.....Y.....QTD                                       | 443 |
| NTDB id 179632 A6045 RS06495 WP 064083186.1 | .....C..QACY.QGYRGRIGIYQLLSRTGKI.....FEKETAYLDFASLHHS                                | 441 |
| NTDB id 1384 A4U84 RS08525 WP 010787006.1   | .....C..DECY.QGYRGRIGVYQCLSRITAKK.....FDKQTAYLDFSSLR                                 | 441 |
| NTDB id 1168 A1552VC RS11070 WP 000957200.1 | LLQSQFAFQPNF EIL...YEANAA GCN ECT.GGYSGRVGIYEVMAFNTELAEATMQRASIHQIERLAKANGMQTLQESGL  | 543 |
| NTDB id 1401 DSB67 RS12665 WP 010643259.1   | QLQH.IGIANTEQI...FQANPDGCN ECT.HGYSGRGTGIYEVMMKFDES LSEALIKGASVHELEKLAIANGMQTLQMSGI  | 542 |
| NTDB id 1293 VP RS12240 WP 005479695.1      | QLQH.LGIQTTDNI...FRANPDGCN ECT.HGYSGRGTGIYEVMMRFDES LSEALIKGASVHELEKLAIANGMSTLQMSGI  | 542 |
| NTDB id 1110 NGFG RS09235 WP 003689817.1    | SALKEVGFTDEDLAK.DWKLYRAV GCDRCRGQGYKGRAGVYEVMPISEEMQRVIMNNGTEVGI LDVAYKEGMVDLRRAGI   | 539 |
| NTDB id 1251 GC085 RS07725 WP 011946523.1   | QGLIELGFKEADLV..NLKLYKAVGCEQCT.SGYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLAQSEGMLTIFQSGI     | 555 |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1   | RSLLEMGFTPEDLAQPEFQIFEPV GCHDCR.EGYKGRVGIYEVMMKITPEISKIIMEDGNALEIAATAETLGFNNLRRSGL   | 551 |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1    | QSLLEMGFTEQDLAHPDFRVFQPV GCL ECR.EGYKGRVGIYEVMMKVTPETISKIIMEDGNALEIAAASEKLGFNRLRRSGL | 551 |
| consensus                                   | *** * ** * ! ! ! ! ! ! * * * * * * * * * * * * * * * * * * * * * *                   |     |

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|                                             |                           |     |
|---------------------------------------------|---------------------------|-----|
| NTDB id 1355 HI 0298 AAC21962.1             | EKV SQGITDEKEIERVLGKNL..  | 464 |
| NTDB id 1366 NTHI RS01950 WP 011271972.1    | EKVSQGITDEKEIERVLGKNS..   | 464 |
| NTDB id 179632 A6045 RS06495 WP 064083186.1 | HKLEADITSLAEINRVLGDAENI   | 464 |
| NTDB id 1384 A4U84 RS08525 WP 010787006.1   | QKIEQQLTNETEVDRLGYE...    | 461 |
| NTDB id 1168 A1552VC RS11070 WP 000957200.1 | EKLREGITSFAELQRVLYF....   | 562 |
| NTDB id 1401 DSB67 RS12665 WP 010643259.1   | EKLKQGITSFRELQRVLYF....   | 561 |
| NTDB id 1293 VP RS12240 WP 005479695.1      | EKLKQGITSFSELQRVLYF....   | 561 |
| NTDB id 1110 NGFG RS09235 WP 003689817.1    | LKIMQGITSLEEVNTANTND....  | 558 |
| NTDB id 1251 GC085 RS07725 WP 011946523.1   | EKVKEGITTIEEVNRVTVD....   | 574 |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1   | KKVMQGVTSLQEIINRVTSE....  | 570 |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1    | KKVMQGVTSLQEVNRVTSE....   | 570 |
| consensus                                   | * ! * * * * ! * ! * * * * |     |

- ☒ non conserved
- ☒ similar
- ☒ ≥ 50% conserved