

[illegible]

|                |         |         |            |                    |                                                |          |         |          |             |          |             |             |             |       |     |         |      |     |
|----------------|---------|---------|------------|--------------------|------------------------------------------------|----------|---------|----------|-------------|----------|-------------|-------------|-------------|-------|-----|---------|------|-----|
| NTDB id 1184   | GTF74   | RS02335 | WP         | 000649326.1        | ..AAGFT...RLGTVEDMGDKIVTAPTASGALGGTIKYTFDAGVVS | SSKIQ    | LARD    | ANGLWTC  | STT.VT      | SEIAPKG  | .CTA        | 148         |             |       |     |         |      |     |
| NTDB id 1167   | A1552VC | RS11065 | WP         | 000649326.1        | ..AAGFT...RLGTVEDMGDKIVTAPTASGALGGTIKYTFDAGVVS | SSKIQ    | LARD    | ANGLWTC  | STT.VT      | SEIAPKG  | .CTA        | 148         |             |       |     |         |      |     |
| NTDB id 1160   | ABM36   | RS02330 | WP         | 000649326.1        | ..AAGFT...RLGTVEDMGDKIVTAPTASGALGGTIKYTFDAGVVS | SSKIQ    | LARD    | ANGLWTC  | STT.VT      | SEIAPKG  | .CTA        | 148         |             |       |     |         |      |     |
| NTDB id 1383   | A4U84   | RS08530 | WP         | 005711781.1        | GVRADKSDVPDAKYLKSISVAGSVITVAGKGNIDG.YGYTTPK.FA | .....NNN | ITWAT   | SCQGADIS | LFPAN       | FCCQ     |             | 150         |             |       |     |         |      |     |
| NTDB id 387522 | FOB52   | RS10470 | WP         | 150332210.1        | GTRADAA..ASKKYLKAITVKA                         | GVI      | TVIGQ   | GLEG     | ISYTLTASGNA | .....AQG | VSWTVNCG.AQ | SDIFPAGFCA. | 144         |       |     |         |      |     |
| NTDB id 1365   | NTHI    | RS01955 | WP         | 011271973.1        | GTAADIT..TAKGYVKS                              | VTT      | SN      | GAITVKG  | DGTLAN      | MEYILQ   | ATGNA       | .....ATG    | VTWTTTCKGTD | ASLF  | FPA | N       | FCCS | 146 |
| NTDB id 1354   | HI      | 0299    | AAC21963.1 | GTAADITK..TAKGYVAS | VIT                                            | QS       | GGITVKG | N        | GTLAN       | MEYILQ   | AKGNA       | .....AG     | VTWTTTCKGTD | ASLF  | FPA | N       | FCCS | 146 |
| consensus      |         |         |            |                    | ***!*                                          | *        | ***     | *        | ***!***     | !***     | *           | !***        | *           | ***!* | *   | ***!*** | !    | *   |

|                |         |            |                |       |     |
|----------------|---------|------------|----------------|-------|-----|
| NTDB id 1184   | GTF74   | RS02335    | WP 000649326.1 | GATIN | 153 |
| NTDB id 1167   | A1552VC | RS11065    | WP 000649326.1 | GATIN | 153 |
| NTDB id 1160   | ABDM36  | RS02330    | WP 000649326.1 | GATIN | 153 |
| NTDB id 1383   | A4U84   | RS08530    | WP 005711781.1 | KATP. | 154 |
| NTDB id 387522 | F0B52   | RS10470    | WP 150332210.1 | ..... | 144 |
| NTDB id 1365   | NTHI    | RS01955    | WP 011271973.1 | VTQ.. | 149 |
| NTDB id 1354   | HI 0299 | AAC21963.1 |                | VTK.. | 149 |
| consensus      |         |            |                | **    |     |

|                                                                                 |                 |
|---------------------------------------------------------------------------------|-----------------|
| <span style="border: 1px solid black; padding: 0 2px;">X</span>                 | non conserved   |
| <span style="background-color: #ff00ff; padding: 0 2px;">X</span>               | similar         |
| <span style="background-color: #0000ff; color: white; padding: 0 2px;">X</span> | > 50% conserved |