

```

NTDB id 1361 HI 0985 AAC22646.1
NTDB id 20560 HD RS07725 WP 010945645.1
NTDB id 1466 ASU2 RS09750 WP 015674213.1
NTDB id 1388 A4U84 RS04945 WP 062924099.1
NTDB id 1250 GC085 RS13065 WP 027219989.1
NTDB id 1445 BW25113 RS17035 WP 000228551.1
NTDB id 1399 DSB67 RS15600 WP 010645755.1
NTDB id 1152 A1552VC RS00200 WP 000654772.1
consensus

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|           |    |       |         |         |            |                              |                      |        |         |      |       |       |      |        |        |       |      |      |      |      |      |       |        |           |     |           |           |     |
|-----------|----|-------|---------|---------|------------|------------------------------|----------------------|--------|---------|------|-------|-------|------|--------|--------|-------|------|------|------|------|------|-------|--------|-----------|-----|-----------|-----------|-----|
| NTDB      | id | 1361  | HI      | O985    | AAC22646.1 | ....IA.VPNYTPPPDPRRLVEAPSHPK | LYSR                 | IGYTPV | S       | IDD  | LAEF  | NS    | LS   | VDV    | LLVQ   | LL    | DLE  | LQDL | I    | ISEN | GLYK | RV... | 373    |           |     |           |           |     |
| NTDB      | id | 20560 | HD      | RS07725 | WP         | 010945645.1                  | ....IANQQLTIPLTDKILP | DLTAC  | QQ      | QIMQ | N     | ISFT  | PIA  | IDD    | LAKATD | I     | AVEI | LLV  | ELL  | GLLE | LGM  | IKQ   | VCGGY  | VVTQA...  | 380 |           |           |     |
| NTDB      | id | 1466  | ASU2    | RS09750 | WP         | 015674213.1                  | QFFAKANMPNKNVNH      | FAKKLP | EMTAC   | QQ   | QIVEH | IGLNP | IS   | IDD    | LAKATA | LEVET | LLV  | ELL  | LSV  | I    | KQV  | SGGY  | VR...  | 384       |     |           |           |     |
| NTDB      | id | 1388  | A4U84   | RS04945 | WP         | 062924099.1                  | .....AVKSEPK         | ELTAC  | QQ      | LFEC | IGLE  | EPIS  | VDD  | LAKATD | MAVET  | ALI   | ELL  | NLE  | LLG  | LV   | KQV  | VRGGY | VIT... | 375       |     |           |           |     |
| NTDB      | id | 1250  | GC085   | RS13065 | WP         | 027219989.1                  | .....PI              | FSLASG | ....KEN | LVKF | IGF   | ETTT  | IDQ  | IIDR   | SGYG   | MEQ   | VTSG | LAE  | LEL  | KGA  | VIA  | VP    | GGY    | IRCEYE... | 360 |           |           |     |
| NTDB      | id | 1445  | BW25113 | RS17035 | WP         | 000228551.1                  | .....ENSF            | YSPD   | QQ      | DVAL | PFPE  | LLAN  | VGD  | EVTP   | VDV    | VAER  | AGQP | VPE  | VVTQ | LL   | ELE  | L     | AGW    | IAAV      | VP  | GGY       | VRLRRA... | 364 |
| NTDB      | id | 1399  | DSB67   | RS15600 | WP         | 010645755.1                  | .....L....DL         | FSAPID | EEEL    | PFPP | QLLAN | VNG   | EATP | VDI    | LASR   | TN    | IPV  | QEV  | MMQ  | LL   | ELE  | LS    | GHV    | VAV       | SGY | IRKGRG... | 369       |     |
| NTDB      | id | 1152  | A1552VC | RS00200 | WP         | 000654772.1                  | .....VPYQATL         | FSAVQS | DEEL    | PFPE | LLAN  | VNG   | EATP | IDI    | LASR   | TQ    | IPV  | QD   | IMM  | LL   | ELE  | LL    | GHV    | VAV       | SGY | IRKGRG... | 371       |     |
| consensus |    |       |         |         |            |                              | *                    |        | *       |      | ***   | ***   | *    |        | *      | !     | *    | *    | *    | *    | !    | ***   | !!     | *         | *   | *         | !         | *** |

|               |                                |             |     |
|---------------|--------------------------------|-------------|-----|
| NTDB id 1361  | HI 0985 AAC22646.1             | .....       | 373 |
| NTDB id 20560 | HD RS07725 WP 010945645.1      | .....       | 380 |
| NTDB id 1466  | ASU2 RS09750 WP 015674213.1    | .....       | 384 |
| NTDB id 1388  | A4U84 RS04945 WP 062924099.1   | .....       | 375 |
| NTDB id 1250  | GC085 RS13065 WP 027219989.1   | R.....      | 361 |
| NTDB id 1445  | BW25113 RS17035 WP 000228551.1 | CHVRRNTNVFV | 374 |
| NTDB id 1399  | DSB67 RS15600 WP 010645755.1   | .....       | 369 |
| NTDB id 1152  | A1552VC RS00200 WP 000654772.1 | .....       | 371 |
| consensus     |                                |             |     |

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