

| Taxon                     | Accession ID | 1            | 10                    | 20           | 30            | 40             | 50              |
|---------------------------|--------------|--------------|-----------------------|--------------|---------------|----------------|-----------------|
| <i>Protothothrops</i>     | AB851926     | QRRVHGGERIWP | SRQARLD               | ETLLR        | QSARLD        | STRLG          | SAPFVSAVRAVEDSL |
| <i>Protothothrops</i> [H] | P0C7P5.1     |              |                       |              |               |                |                 |
|                           |              | 51           | 60                    | 70           | 80            | 90             | 100             |
| <i>Protothothrops</i>     | AB851926     | SFSLSR       | SRLAR                 | SRPPSLPAPAQP | EMFVSRLAASGL  | LLLLALLALS     | LDGKPI          |
| <i>Protothothrops</i> [H] | P0C7P5.1     |              |                       |              | MFVSRLAASGL   | LLLLALMALSL    | LDGKI           |
| <i>Gloydus</i> [H]        | P01021.4     |              |                       |              |               |                |                 |
|                           |              | 101          | 110                   | 120          | 130           | 140            | 150             |
| <i>Protothothrops</i>     | AB851926     | VH           | QSKPGRSPPI            | SPLSVQ       | QWMPGGRPPHHIP | PLSVQQWS       | QGRPRSEVPPV     |
| <i>Protothothrops</i> [H] | P0C7P5.1     | VH           | QSKPGRSPPI            | SPLSAQ       | QWMPGGRPPHP   | IPPLSVQQWS     | QGRPRSEVPPV     |
| <i>Gloydus</i> [H]        | P01021.4     | VQ           | QWSQGRPPGPP           | IPRLVVQ      | QWSQGLPPGPP   | IPRLVVQ        | QWSQGLPPGPP     |
|                           |              | 151          | 160                   | 170          | 180           | 190            | 200             |
| <i>Protothothrops</i>     | AB851926     | VV           | QPHESP                | PAGGTTA      | FR            |                |                 |
| <i>Protothothrops</i> [H] | P0C7P5.1     | VV           | QPHESP                | PAGGTTA      | FREE          | LSPGPEAASGPAAP |                 |
| <i>Gloydus</i> [H]        | P01021.4     | P            | PLVVQ                 | QWSQGLPPR    | PKIPP         | LVVQ           | QWSQGLPPRPKIPP  |
|                           |              | 201          | 210                   | 220          | 230           | 240            | 250             |
| <i>Protothothrops</i> [H] | P0C7P5.1     |              |                       |              |               |                |                 |
| <i>Gloydus</i> [H]        | P01021.4     | VSP          | PLLLQPHESP            | PAGGTTA      | LR            | EELSLGPEAASGPA | AAGADGGRSGSKAPA |
| <i>Ovophis</i>            | AB852004     |              |                       |              |               |                |                 |
|                           |              | 251          | 260                   | 270          | 280           | 290            | 300             |
| <i>Protothothrops</i> [H] | P0C7P5.1     |              | HRLPKSKGASATSA        | ASRPMRD      | LRTDGK        | QERQKWGRMVQP   | DHHAAPG         |
| <i>Gloydus</i> [H]        | P01021.4     |              | ALHRLSKSKGASATSASAS   | ASRPMRD      | LRTDGK        | QARQNWARMVNP   | DHHA            |
| <i>Ovophis</i>            | AB852004     |              |                       |              | RDLRTDGK      | QARQKWGRMVPP   |                 |
|                           |              | 301          | 310                   | 320          | 330           | 340            |                 |
| <i>Protothothrops</i> [H] | P0C7P5.1     |              | GGGGGGGGARRMKGLAKK    | AMGKGC       | FGLKLDRIGST   | SGLGC          |                 |
| <i>Gloydus</i> [H]        | P01021.4     |              | CCGGGGGGGGARRMLKGLVKK | GVAKGC       | FGLKLDRIGT    | MSGGLGC        |                 |
| <i>Ovophis</i>            | AB852004     |              | GVGGGGGGARRMKGLAKK    | GVAKGC       | FGLKLDRIGT    | MSGGLGC        |                 |