

## Supplementary Figure S11

|                               | 10                 | 20         | 30         | 40          | 50         | 60                  |
|-------------------------------|--------------------|------------|------------|-------------|------------|---------------------|
| <i>S. senegalensis</i> IGF-1R | <b>MELM</b> TRGDLK | SYLRSLRPKE | QQWSSLSLPP | -LKKMLQ MAG | QIADGMAYLN | ANKFVHR <b>D</b> LA |
| <i>P. olivaceus</i> IGF-1R    | .....              | .....      | .....      | -.....      | .....      | .....               |
| <i>P. maxima</i> IGF-1R       | .....              | .....      | .....      | -R.....     | .....      | .....               |
| <i>I. punctatus</i> IGF-1R    | .....              | .....S.Q   | .GSC.QA... | -...I...    | E.S.....   | .....               |
| <i>D. rerio</i> IGF-1R        | .....              | .H.....S.  | .GS.Q....  | -...I...    | E.....     | .....               |
| <i>M. musculus</i> IGF-1R     | .....              | .....EV    | E.NNLVLI.. | S.S..I...   | E.....     | .....               |
| <i>H. sapiens</i> IGF-1R      | .....              | .....EM    | E-NNPVLA.. | S.S..I...   | E.....     | .....               |

  

|                               | 70                 | 80                  | 90         | 100                  | 110                 | 120         |
|-------------------------------|--------------------|---------------------|------------|----------------------|---------------------|-------------|
| <i>S. senegalensis</i> IGF-1R | <b>ARN</b> CMVAEDF | AVKIG <b>D</b> FGMT | RDIYETDYYR | KGG <b>KGLLP</b> VVR | WMSPE <b>S</b> LKDG | VFTTNSDVWS  |
| <i>P. olivaceus</i> IGF-1R    | .....              | I.....              | .....      | .....                | .....               | .....       |
| <i>P. maxima</i> IGF-1R       | .....D..           | T.....              | .....      | .....                | .....               | .....H..... |
| <i>I. punctatus</i> IGF-1R    | .....              | T.....              | .....      | .....                | .....               | .....       |
| <i>D. rerio</i> IGF-1R        | .....              | T.....              | .....      | .....                | .....               | .....       |
| <i>M. musculus</i> IGF-1R     | .....              | T.....              | .....      | .....                | .....               | .....H..... |
| <i>H. sapiens</i> IGF-1R      | .....              | T.....              | .....      | .....                | .....               | .....Y..... |

  

|                               | 130        | 140        | 150                         | 160          |
|-------------------------------|------------|------------|-----------------------------|--------------|
| <i>S. senegalensis</i> IGF-1R | FGVVLWEIAT | LSEQPYQGLS | <b>NE</b> QVLR <b>F</b> VME | GGLLDKPQNC P |
| <i>P. olivaceus</i> IGF-1R    | .....S.    | .A.....    | .....                       | .....E.....  |
| <i>P. maxima</i> IGF-1R       | .....S.    | .A.....    | .....V.....                 | .....E.....  |
| <i>I. punctatus</i> IGF-1R    | .....      | .A.....M.  | .....                       | .....D.....  |
| <i>D. rerio</i> IGF-1R        | .....      | .A.....M.  | .....                       | .....D.....  |
| <i>M. musculus</i> IGF-1R     | .....      | .A.....    | .....                       | .....D.....  |
| <i>H. sapiens</i> IGF-1R      | .....      | .A.....    | .....                       | .....D.....  |