Oryzias latipes - SGTB / 1-309 Latimeria chalumnae - SGTB / 1-306

## M <br> M $M$ $M$ $M$ $M$ $M$ $M$ $M$ $M$ $M$

20
30
100
10
 KKRLAYA
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QKRLAYS
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NKRLAFS
NKRLAFS
EKRLALA
IQFLHDQLRHGGLSSDAQESLEVAIOCLETAFGV゙ 60
 IIOFLHDQLRHGGLSDAQESLEVAIOCLETAFGVTVEDSDLALPQTLPEIFEAAMGKEMPODLRSPARTP (I R F L DQ LRHGGLSPDAQESLEVAIQCLETAFGVTVEDSDLALPQTLSEIFEAAASGKEVPQDLRSPQQTP (
I I RYLHDQLRNGGLSSDAQESLEVAIQCLETAFEVSIEDSSLAVPQTLQEIFTEATFQDTPQAN-- -SGLAS

## IQFLHDQVKHGRLSSDAQESLEASIQCLETAFEVTVDDRHLAVSQTLPEIFEAAIERGEVRNIHKNSEPIP-



## 

 Pongo abelii - SGTA / 1-313 Nomascus leucogenys - SGTA / 1-313 Cannis lupus familiaris - SGTA / 1-313 Sus scrofa - SGTA / 1-313 Rattus norvegicus - SGTA / 1-314 Gallus gallus - SGTA / 1-312 Xenopus laevis - MGC81394 / 1-312 Monodelphis domestica - F7GKA8 / 1-313 Gasterosteus aculeatus - G3NG29 / 1-322 Takifugu rubripes - SGTA / 1-316 Anolis carolinensis - SGTA / 1-256 Takifugu rubripes - SGTAbis / 1-313 Tetraodon nigroviridis - H3CBE8 / 1-30730723023020
 (INPGFMSMA TGGVGSFDIAGLLNNPSFMSMASNLMNNPQVQQLMSGMISGGHNPLG-TGGVGSFDIAGLLNNPSFMSMASNLMNNPQVQQLMSGMISGGHNPLG-TGGVGSLDIAGLLNNPHFITMASSLMNSPQLQQLMSGMISGGHNPLG-TGGPGGFDLAGLLNNPGFMSMASTLMEQSTTTSSLSGMISGGHNPMGMAPPGGLDLAGLLNNPGFMSMASNLMHNPQVQQLMSGMISSGHAPMAG TENTGGIDLAGLLSNPGLRNMASNLMNNPQVQQVVSGVASSIQNHSGTAGMGGVDLAGLLSNPGFMNMASSLMTNPQVQQLMSGMMSGAYAGVAG

- APMGGVDLAGLLSNPGFMNMASSLMTNPOVOOLMSGMMSGAFSGMGG TGGAGGFDLAGLLNNPSFINMAANLVNNPQLQQLMSGVISGGQTP. APMGGVDLAGLLSNPGFMNMASSLMTNPQVQQLMSGMMSGAFSGMGG TAPVGGVDLAGLLSNPGFMNMASTLMNNPQVQQLMSGMMSGAFSGMAA I AAGLGFDMASLINNPAFISMAASVMQNQQVQQLMSGMMSNAVGGPGTGTGLGFDMASLI NNPAFI SMAASLMQNPQVQQLMSGMMSNAIGGPA-

Homo sapiens - SGTA / 1-313 Pongo abelii - SGTA / 1-313 Nomascus leucogenys - SGTA / 1-313 Cannis lupus familiaris - SGTA / 1-313 Sus scrofa - SGTA / 1-313 Rattus norvegicus - SGTA / 1-314 Gallus gallus - SGTA / 1-312 Xenopus laevis - MGC81394 / 1-312 Monodelphis domestica - F7GKA8 / 1-313 Gasterosteus aculeatus - G3NG29 / 1-322 Takifugu rubripes - SGTA / 1-316 Anolis carolinensis - SGTA / 1-256 Takifugu rubripes - SGTAbis / 1-313 Tetraodon nigroviridis - H3CBE8 / 1-307 Oryzias latipes - SGTB / 1-309 Latimeria chalumnae - SGTB / 1-306

Homo sapiens - SGTA / 1-313 Pongo abelii - SGTA / 1-313 Nomascus leucogenys - SGTA / 1-313 Cannis lupus familiaris - SGTA / 1-313 Sus scrofa - SGTA / 1-313 Rattus norvegicus - SGTA / 1-314 Gallus gallus - SGTA / 1-312 Xenopus laevis - MGC81394 / 1-312 Monodelphis domestica - F7GKA8 / 1-313 Gasterosteus aculeatus - G3NG29 / 1-322 Takifugu rubripes - SGTA / 1-316 Anolis carolinensis - SGTA / 1-256 Takifugu rubripes - SGTAbis / 1-313 Tetraodon nigroviridis - H3CBE8 / 1-307 Oryzias latipes - SGTB / 1-309 Latimeria chalumnae - SGTB / 1-306
${ }^{280}$

- TPGTSPSQ

TPGTSPSQ-
TPGTSPSQ-TPGTSPSQ-TPGSPQ--NDLASLIQAGQQFAQQMQQQNPELIEQLRSQ TPGTSPSQ-- NDLASLIQAGQQFAQQMQQQNPELIEQLRSQ -TPGSSPQH-- SDLASLIQAGQQFAQQMQQQNPEFVEQIRSQVV AAGTSPST- - NDLASLIQAGQQFAQQMQQQNPELIEQLRSQ AAAVGNNPP---NDLAGLIQAGQQFAQQMQQENPELIEQLRSO-AARGNRSP--NNISNLLQAGQHFAQQLQQQNPELIEQLKNQ AAGGAAGGTAPGDLSGLIQAGQQFAQQMQQQNPELVQQLRSQ

320
irsRTpsasnddoqe
I RSRTPSASNDDQQE
irsmtpsasnddoqe irsmtpsasnddoqe irsmtpsasndoqee Vrsmtpsasheeque irsmtpsasnedoqe IRSRPPSSSHDEQHE
irsmsstsnddoke
I RNRTPSAGNEEQP


IRNRSPSGGNEEQP.
IRNRSPSGGTEEQP.
IRSRSFSGSAEEHS.
IRSRSYSGAAEEQS.

