



Supplementary Material

Identification of Myomaker in Yellowfin Seabream (*Acanthopagrus latus*) (Hottuyn, 1782) and its Transcriptional Regulation by Two MyoDs

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Supplementary Table I.- Lengths of exons and introns of each Myomaker gene.

| Species | E1 | I1 | E2 | I2 | E3 | I3 | E4 | I4 | E5 | I5 | E6 |
|-------------------------------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| <i>Acanthopagrus latus</i> | 135 | 704 | 115 | 967 | 149 | 338 | 117 | 249 | 141 | 260 | 201 |
| <i>Oreochromis niloticus</i> | 135 | 119 | 115 | 1187 | 149 | 311 | 117 | 160 | 141 | 1467 | 210 |
| <i>Oryzias latipes</i> | 135 | 248 | 115 | 731 | 149 | 142 | 117 | 104 | 141 | 1715 | 201 |
| <i>Poecilia formosa</i> | 135 | 936 | 115 | 1144 | 149 | 502 | 117 | 114 | 141 | 1209 | 204 |
| <i>Xiphophorus maculatus</i> | 135 | 919 | 115 | 848 | 149 | 1008 | 117 | 114 | 141 | 4917 | 201 |
| <i>Danio rerio</i> | 135 | 1764 | 115 | 694 | 149 | 1933 | 117 | 99 | 147 | - | - |
| <i>Tetraodon nigroviridis</i> | 135 | 75 | 115 | 658 | 149 | 79 | 117 | 159 | 144 | - | - |
| <i>Pelodiscus sinensis</i> | 135 | 4396 | 115 | 6029 | 149 | 2988 | 117 | 4519 | 144 | - | - |
| <i>Latimeria chalumnae</i> | 135 | 2095 | 115 | 3509 | 149 | 2558 | 117 | 2984 | 144 | - | - |
| <i>Gallus gallus</i> | 135 | 2203 | 115 | 1893 | 149 | 589 | 117 | 904 | 144 | - | - |
| <i>Homo sapiens</i> | 135 | 4421 | 115 | 1151 | 149 | 3266 | 117 | 705 | 147 | - | - |
| <i>Mus musculus</i> | 135 | 4413 | 115 | 913 | 149 | 3472 | 117 | 364 | 147 | - | - |

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ATGGGTGCGTTTATTGCCAAGATGCTGCTTCCCTACAGTCAGCAGTCTGGTGTTCCTGCCTGCAGCCAGC
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TACTTCAGTGTTCACAGCACAGCTCTCTCCATGTTGGGTACACTCATAG **GTAAGTACAGTCTGTGCGAC**
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 AAAGATTCCTGGTGTATTTTTAGCCGAACCTGAAAACCTAGAGATTCTCTGGCATTACGGTATTTTTATA
 GGATTTGTGAGTGCATCTGGATTCCTGGATAAGAAATGTATCTAATGTAATTTTGGTCTACATTAAGTAA
 AAATGTGCCTGCCTGTTAGAGTAACATACATGATGTGTGTCCCTGTCC **AGCTCTGGGCGACTTTGAT**
GAGCCCCAGCGCTCCAGTATAACCATGTTTGGAGTCTGACGACTGCGGTGAGGATCTACCAGGATCG
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 TGGGCTTAAGAATTGGCAGGTTCCAGGAGTTAAGAATATGGTTATATATGTCGATATTTCTGTGATGTCT
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 CCTTTTACCATCCTCTCCTTCCTGATCTCCACCGTTGGACATTTTACTTACGTCTGACCTCTTTTATC
 TTATATTGTTCCTCTGATTTTTTCTGCACTCTCTTGTACTTGTGAGTCTAATTTTCCCATTCCCTTTTAA
 CTTCGTCATTGAATTCAGTGTGCCTTATCTGTATCACTTTAATTTCA **GCTGCAGAAGATGAAGGAGCT**
GAGGGCGGTGTATCCAGAGAAGAAAGTTACACGCAGCAGGTCGGTCCAGGCTGCTGCTTCGGTGTCT
CTCGCTCTGATGCTGCGTTTCTACTTTGAGGTGACAATCATCAACATAAACTAACCCAAACAAGAA
 CTACCAGAAGATTAATCAGGGGTGGGCAGAGAGATTGTTTCTTGCACTAACAACACATTACATGTATTT
 ACTATTTACCTTTATGAGCTCTGTAAATTTGGTTATAGAGTGACAAAATGAGGAGTTTGATTAGGCTT
 CCCCCAACTATGTATTACACCTTTAATAAATGATATCAGCCTGAATAGAATGTGCTATATTCTCTTCACT
 GC **AGGAGTGGGACTACGCCTATGTTACAGCTTCTACCATCTGTCTCTGGCTGTGTCTCTCGTCTGCT**
ACTGCCAAAGAAGAACCCTACGCAGGGACGGGACGAAACGCAGCTAAGCTTAGCTGCTTCACTCTC
TGCTGCTGC **GTAAGTTACTTTACTATACTGTATAAGAGAGGGGAGCTGAAGCTGAAGGCAACTGGGC**
 AGGTCACATGAGGGCAGGGTAGAGTTGGAGTCGTAGATTGTATGGACTAGTGAAAGCAAGAGACTCG
 GGACTGGAAGTAACATTTCAATAAATTAGCGCTTAAACTGACTTTGCAATAAATCAGCATCAITCACT
 GTCATGCAAGTCAATTTCCCTAACAATGTCCTAATCCTGCTTCTCACTGTTCCATCTCCAGTCAAT
 GTCCCTGCTACTTCTAAAGAGAAGAAAGACAAGCCAAAGAAGAAATCGTCTCGGACCCTGTGGACA
 ATCCCCACTGAAAAGCTGTGGACACGAGGCTGTAGCACCCCAACTCTGCCTCTTTACAACCCCCCGCC
 CTCCACGCCAATCAAAGGACCCAGCATCAGCAAACCTCAAAGAGATGAATGGCTGGAAG **TGA**

Supplementary Fig. S1. The full length of *Myomaker* genomic DNA in *Acanthopagrus latus*. Initiation and termination codons are marked by green. Exons are shown with yellow boxes.