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T.r. MyoD2 -----IYEPL-

S.a. MyoD2 PAEPNS.....-

T.r. MyoD1 -REPNL..QV.-

S.a. MyoD1 -QDPNL..QV.-

Gene	<i>S. Aurata</i> myoD2	<i>T. rubripes</i> myoD1
<i>T. rubripes</i> myoD2	71.6%	50.8%
<i>S. Aurata</i> myoD1	59.7%	78.6%

Supplementary information Fig. 1. A. Full amino acid sequence alignment of myoD2 orthologues in *Takifugu rubripes* (*T.r.*) and *Sparus aurata* (*S.a.*) with their myoD1 paralogues. Accession numbers are: *T.r.* myoD2 (NM_001040062), *S.a.* myoD2 (AF478569), *T.r.* myoD1 (AY445316) and *S.a.* myoD1 (AF478568). The basic (white boxes) and HLH domains (grey boxes) are shown. B. Percentage identities of the same sequences as in A. Note that paralogues are more dissimilar than orthologues (grey and white boxes, respectively). Sequences were aligned using emboss:needle and the Blosum62 matrix (<http://www.ebi.ac.uk/emboss/align/>).