

**Expression Regulation of Myosin Heavy Chain (MYH) Gene, *myh14* in Zebrafish Development**

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**Supplementary Table 1. Nucleotide sequence of oligonucleotide primers of *MYH14s***

Experiment	Primer name	Nucleotide sequence (5'-3')
Generation of MYH14-1 constructs	MYH14-1:2941F	ATGCAAACCTCCACACAGAA
	MYH14-1:5710F	CCAGCAGACCCAACTACACA
	MYH14-1:6205F	CGGACAATTTAGCTAACCCA
	MYH14-1:7528F	GGACCTCCATGACCTCAACCA
	MYH14-1:R	GATGATAAATCCACCGCTGC
Generation of MYH14-1 deletion constructs	MYH14-1:415Rdel	TTCATCTTTACCCAAACCCAAG
	MYH14-1:549Fdel	TATGATTTCGAAACTGCTTGCC
	MYH14-1:6765Rdel	TTTACACACACACCCACACATA
	MYH14-1:6658Fdel	TGTTTCAATCGGGATGATCTGA
	MYH14-1:7381Rdel	CAATCCCTGCTTGATTCC
	MYH14-1:7329Fdel	GTGGCGCTGAGATAAACC
	MYH14-1:del1&2F	ATTTTGAAAATAATCAGTTTTGAG
MYH14-1:del1&2R	GTATGTGTGTGAATGAATGTGT	
Generation of MYH14-2 constructs	MYH14-2:4.9 KbF	GAGACTCCACCTCCATTATCGCA
	MYH14-2:4.8 KbF	GCTCACCTCTGAAGTTATGAACC
	MYH14-2:R	CGCTTGAGTGCAGGTCC
Generation of MYH14-3 constructs	MYH14-3:5641F	TGCTGCCCTTAGGAACTTTG
	MYH14-3:5641R	GATTAACCTCTCCGGTCCCG
	MYH14-3:5467KbF	CTCACCTCTGAAGTTATGAACC
	MYH14-3:4587KbF	AGACTCCACCTCCATTATCGCA
	MYH14-3: R	GCTTGAGTGCAGGTCC
Generation of MYH14-3 deletion constructs	MYH14-3:CS1 DelF	TTCCGTCAAACCTGTTTGCC
	MYH14-3:CS1 DelR	GTTATCTGAGTACAACGGTAAAACG
	MYH14-3:CS2 DelF	CTTAAAGGCTTAACTAGGTTAATTAGTTT
	MYH14-3:CS2 DelR	GAATGTATCTTTAAGAATATCTTTATTTG
	MYH14-3:CS1&2 DelF	CTTAGTGCCTTTATTAATCTGGG
	MYH14-3: CS1&2DelR	GTAAAAATACCATCATTAGTAAATACT

**Supplementary Table 2. Nucleotide sequences of the oligo-nucleotide primers**

Experiment	Primer name	Nucleotide sequence (5'-3')
For cDNA synthesis	Gene Racer-oligo (dT)	GCTGTCAACGATACGCTACGTAACGGCA TGACAGTG(T) <sub>24</sub>
For RT-PCR and <i>in situ</i> hybridization	MYH14-2F	GCAGAAGAAGAGTGCAGAGTTCC
	MYH14-2R	GCTGTCAACGATACGCTACGTAACG
	MYH14-3F	AGAGGAGAGGGCAGACATG
	MYH14-3R	CAAACAACCTGTCCATAAA
	$\beta$ -actin-F	TGCTGTTTTCCCCTCCATTG
	$\beta$ -actin-R	TCTGTCCCATGCCAACCAT

**Supplementary Table 3. Primers used for real time PCR analysis**

Experiment	Primer name	Nucleotide sequence (5' - 3')
Real time-PCR analysis	EGFP-F	AGCAAAGACCCCAACGAGAA
	EGFP-R	GCGGCGGTCACGAACTC
	GAPDH-F	TGTTTCCTCGTCCCGTAG
	GAPDH-R	CAATCTCCACTTTGCCACT