

Additional file 3

Degenerate and gene- or cDNA-specific oligonucleotide primers used for cloning and RT-PCR analysis

Gene	Reference/ GenBank No.	Forward primer 5'-3'/ Reverse primer 5'-3'	Purpose
MIP family-related genes	[1]	GGNGSNCAYNNTNAAAYCCNGC/ GGDSCVARNSWBCKNGCNGG	Degenerate primers for AQP cDNA cloning
<i>aqp1a</i>	This work	GACCAGGARRTSAAGGTG/ CACATVGGCCCSACCCAG	Teleost Aqp1b cDNA cloning
<i>Sparus aurata aqp1a</i>	AY626939	CCCACAGCCAGACAGCAACA/ GTCTGTGTGGGACTATTTTGACG	Cloning of <i>aqp1a</i> gene
<i>S. aurata aqp1b</i>	AY626938	TCGACGCGGAGATGACAGAA/ TCAGCCATATTGAAAGCTTTTCTGC	Cloning of <i>aqp1b</i> gene
<i>S. aurata aqp1b</i>	AY626938	GCGACGGAGTGATGTCAAAGG/ AGATAAGAGCCGCCGCTATGC	RT-PCR expression analysis
<i>S. aurata aqp1a/aqp1b</i>	AY626939, AY626938	CGACGTTAACGGAGGCAATG/ CCGATGATGGCGGTCAAAC	Amplification of <i>aqp1a</i> and <i>aqp1b</i> flanking cassette
<i>Anguilla anguilla aqp1b</i>	EF011738	CATTCTGGCGCAGATGCTTG/ TTTGGGGTGGAGGAGGTAGTCA	RT-PCR expression analysis
<i>Solea senegalensis aqp1b</i>	AY626941	TGCCAGCTGCCAGATGAGTATC/ AACATGCTCCAGCAGAGGTTCC	RT-PCR expression analysis
<i>Danio rerio aqp1b</i>	XM_682613	ACTGTAGTAATGGCACGAGAGC/ TTTACAAGAGGCATTTTCAGGG	Cloning of Aqp1b cDNA
<i>D. rerio aqp1b</i>	EU327345	GCCACCTTTTCAGCTGGTTCTGT/ ATGGGGGCAATCCAGTAAATCC	RT-PCR expression analysis
<i>bactin1</i>	NM_131031	ACATGGAGAAGATCTGGC/ GCGTACAGGTCCTTACGGA	RT-PCR expression analysis

1. Preston GM: **Cloning of gene family members using the polymerase chain reaction with degenerate oligonucleotide primers.** *Methods Mol Biol* 1997, **69**:97-113.