

## Additional file 4

### Forward and reverse primers employed to introduce mutations into the sea bream Aqp1b cDNA

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	Forward primer 5'-3'/Reverse primer 5'-3'
T229A	CACGAGCGCAAACTTCAGGG <u>GCG</u> CGCAGGAATGTTCTGC/ GCAGAACATTCTGCG <u>GCC</u> CTGAAGTTTTGCGCTCGTG
T229D	GCGCAAACTTCAGGG <u>ACC</u> CGCAGGAATGTTCTG/ CAGAACATTCTGCG <u>GTC</u> CTGAAGTTTTGCGC
L234A/L235A	ACGCGCCGGAATGTT <u>GCGG</u> CTAATGGTTCAGAA/ TTCTGAACCATT <u>AGCCG</u> CAACATTCCGGCGCGT
S238A	GGAATGTTCTGCTTAATGGT <u>GCA</u> GAAAGATGAAGACGCTGG/ CCAGCGTCTTCATCTT <u>TGC</u> ACCATTAAGCAGAACATTCC
S253A	GACGCACCTAGAGAAGGCAAC <u>GCC</u> AGCCCGGGGCCAAGTCAGGG/ CCCTGACTTGGCCCCGGGCT <u>GGC</u> GTTGCCTTCTCTAGGTGCGTC
S254A	CTAGAGAAGGCAACAGC <u>GCCC</u> CGGGGCCAAGTCAG/ CTGACTTGGCCCCGG <u>GCG</u> GCTGTTGCCTTCTCTAG
S254D	CTAGAGAAGGCAACAGC <u>GACCC</u> CGGGGCCAAGTCAG/ CTGACTTGGCCCCGG <u>TTC</u> GCTGTTGCCTTCTCTAG
S258A	GCAACAGCAGCCCGGGGCC <u>AGCT</u> CAGGGGCCAAGTCAGTGGC/ GCCACTGACTTGGCCCCT <u>GAGCT</u> GGCCCCGGGCTGCTGTTGC
S262A	CCGGGGCCAAGTCAGGGGCC <u>AGCT</u> CAGTGGCCAAAGCACTG/ CAGTGCTTTGGCCACT <u>GAGCT</u> GGCCCCTGACTTGGCCCCGG

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Mutated codons are underlined.