**Figure S10. Alignment of nucleotide sequences corresponding to two *mtco2* paralogues and the probe C060R108 from the Agilent 44K salmonid microarray (GEO accession number: GPL11299).**

1 50

mtco2a\_BT044012 (1) CACAACTAGGATTCCAAGACGCGGCCTCCCCTGTAATAGAAGAACTCCTT

mtco2b\_DW556807 (1) --------------------------------------------------

C060R108\_mtco2 (1) --------------------------------------------------

51 100

mtco2a\_BT044012 (51) CATTTTCACGACCATGCTCTTATGATTGTTCTTCTTATCAGCACACTAGT

mtco2b\_DW556807 (1) --------------------------------------------------

C060R108\_mtco2 (1) --------------------------------------------------

101 150

mtco2a\_BT044012 (101) GCTTTATATCATTGTAGCAATAGTCTCTACTAAACTCACTAACAAGTATA

mtco2b\_DW556807 (1) -------------------------------AAACTCACTAACAAGTATA

C060R108\_mtco2 (1) --------------------------------------------------

151 200

mtco2a\_BT044012 (151) TCCTTGATTCTCAAGAAATCGAAATCGTTTGGACTGTCCTTCCAGCAGTT

mtco2b\_DW556807 (20) TCCTTGATTTTCAAGAAATTGAAATCGTTTGGACTGTCCTTCCAGCAGTT

C060R108\_mtco2 (1) --------------------------------------------------

201 250

mtco2a\_BT044012 (201) ATCCTCATTCTTATTGCCCTCCCCTCCCTTCGAATTCTTTACCTTATAGA

mtco2b\_DW556807 (70) ATCCTCATTTTTATCGCCCTCCCCTCCCTTCGAATTTTTTCCCTTATAGA

C060R108\_mtco2 (1) --------------------------------------------------

251 300

mtco2a\_BT044012 (251) **CGAAATTAATGACCCACACCTTA**CTATTAAAGCAATGGGTCACCAATGAT

mtco2b\_DW556807 (120) GGAAATTAATGACCCACCCCTTATTATTAAAGCAATGGGTCACCAATGAT

C060R108\_mtco2 (1) --------------------------------------------------

301 350

mtco2a\_BT044012 (301) ACTGAAGCTATGAATACACCGACTACGAAGACTTAGGCTTTGACTCTTAT

mtco2b\_DW556807 (170) ACTGAAGCTATGAATACCCCGACT**ACGAAGACTTGGGCTTTGATT**TTTAT

C060R108\_mtco2 (1) --------------------------------------------------

351 400

mtco2a\_BT044012 (351) ATAGTCCCCACCCAAGACTTAACGCCCGGTCAATTTCGTCTTCTAGAAAC

mtco2b\_DW556807 (220) ATAGTCCCCACCCAAGACTTAACGCCCGGTCAATTTTGTTTTTTAGAAAC

C060R108\_mtco2 (1) --------------------------------------------------

401 450

mtco2a\_BT044012 (401) AGACCATCGAATGGTTGTCCCTG**TAGAATCTCCAATCCGCGTC**CTAGTTT

mtco2b\_DW556807 (270) AGACCATCGAATGGTTGTCCCTGT**AGAATTTCCAATCCGCGTC**CTAGTTT

C060R108\_mtco2 (1) --------------------------------------------------

451 500

mtco2a\_BT044012 (451) CAGCTGAAGACGTCCTTCACTCCTGAGCCGTCCCTTCCTTAGGTGTAAAA

mtco2b\_DW556807 (320) CAGCTGAAGACGTCCTTCACTCCTGAGCCGTCCCTTCCTTAGGTGTAAAA

C060R108\_mtco2 (1) --------------------------------------------------

501 550

mtco2a\_BT044012 (501) ATGGACGCAGTCCCAGGACGATTAAACCAAACAGCCTTTATTGCCTCTCG

mtco2b\_DW556807 (370) ATGGACGCAGTCCCAGGAGGATTAAACCAAACAGCCTTTATTGCCTCTCG

C060R108\_mtco2 (1) --------------------------------------------------

551 600

mtco2a\_BT044012 (551) ACCTGGAGTATTCTACGGACAATGTTCTGAAATCTGCGGGGCCAACCACA

mtco2b\_DW556807 (420) ACCTGGAGTATTTTACGGACAATGTTTTGAAATTTGGGGGGCCAACCACA

C060R108\_mtco2 (1) --------------------------------------------------

601 650

mtco2a\_BT044012 (601) GCTTCATACCCATCGTTGTTGAAGCAGTGCCCCTAGAACACTTCGAGAAA

mtco2b\_DW556807 (470) GCTTCATACCCATGGTTGTTGAAGCAGTACCCCTAGAACACTTCGAGAAA

C060R108\_mtco2 (1) ------------------TTGAAGGGGTACCCCTAGAACATTTTGGGAAA

651 684

mtco2a\_BT044012 (651) TGATCCACTATAATACTTGAAGATGCCTAAAAAA

mtco2b\_DW556807 (520) TGATCCACTATAATACTTGAAGATGCCT------

C060R108\_mtco2 (33) TGATCCATTTTGATATTTGAAGATGCCT------