

Neurobiology of wild and hatchery-reared Atlantic salmon: how nurture drives neuroplasticity

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Supplementary File 1

Sequences of the riboprobes of *bdnf* and *cfos* used for *in situ* hybridization.

bdnf (485 bp)

tgcntGCTCgngCGGCCGCcaGTGTGATGGaTATCTGCAGAATTCGGCTTATGCCTCTTGT
CTATTCCACGGCA GCCCTCCTTTGTGTACCCCATAGGGTTACATTTGGTCTCATAAAA
GTATTGCTTCAGTTGGCCATTGGGGACAGGGACCTTTTCCAGGACGGTAACGGTCTG
CCCAGACATGTCTATTGCTGTCTTTTTGTCCACAGCTGTCACCCACTGGCTAATACTA
TCACACACACTCAGCTCTCCACGCCGCGACGGGTCAGAATGCCGCCGCACCCTCATG
GACATGTTAGCGGCGTCCAGGTAGTTTTTGTATTCCCTCCAGGAGAAAAAGCAGCGGT
GGCTCTAAAGGCACTTGGTTGCTGATCATCACCCGCGATGCATACAGGTTCGACATCC
TTGGTCTCCGTGGTGACCACAGAGGAAGGACCCCTCCTCCCTGGCCCTTGTTCAGCC
CCAGGCCCCAGCTGAGATGCTTCTCCTTCCACCTCCAAGAGCTCCTCAA TCACCTGC
TCAAACGTGTCTGTGA AAGCCGAATTCCAGCACACTGGCGGCCGTTACTAGTGGATC
CGAGCTCGGTACCAAGCTTGGCGTAATCATGGTTCATAGCTGTTTCCTGTGTGAAATT
GTTATCCGCTCACAATTCCACACAACATACGAGCCGGAAGCATAAAGTGTAAGCC
TGGGGTGCCTAATGAGTGAGCTAACTCACATTAATTGCGTTGCGCTCACTGCCCCGCT
TTCCAGTCGGGAAACCTGTCGTGCCAGCTGCATTAATGAATCGGCCAACGCGCGGG
GAGAGGCGGTTTTCGTATTGGgCGCTCTTCCGCTTCCTCGCTCACTGACTCGCTGCGC
TCGGTCGTTTCGGCTGCGGCGAGCGGTATCAGCTCACTCAAAGGCGGTAATACGGTTA
TCCACAGAATCAGGGGgTAACGCAGGAAnGAACATGTGAGCAAAAnGGCCAGCAAAA
GGCCAGGAACCGTAAAAAGGCCGCGTTGCTGGCGTTTTTCCATAGGCTCCGCCCCC
TGACGAgCATCACA AAAaTCGACGCTCAAGTCagaGGTGGCGAAaCCcGaCAGGACTAT
AAagaTACCAGGCGTTtCCCccTGGAancTCCcTcGTGcgcTCTCCTGTTcnaCCcTGCcgcTT
ACcGGatnCCTGTCcgCct

Primers used for cloning:

bdnf F1 ATGCCTCTTGTCTATTCCACGGCA

bdnf R1 TCACAGACACGTTTGAGCAGGTGA

Compl: TCACCTGCTCAAACGTGTCTGTGA

***cfos* (906 bp)**

NNNNNNNNNTACCCTNNCTAAAGGGACTAGTCCTGCAGGTTTAAACGAATTCGCCC
TTTGTAGAGAGGCTCCCAGTCC TGAGTGTACAGGGAGCTGGCCAGATCAACCTCGG
GCACCGACCGGGCCGTCTCCATCTCAGCCTTGGCGAGGAGAGACAGGGACTCCAGG
CAGGCTGTGTCCAGGTCGGCCATCTTGACGTCGGAGACGGAGATGGAGGCAGTGGA
CAGGAAGGGACTGCTGGAGAATATGGAGGCAGAGGCTGAGAGGGTGGAGGTGGAC
TGGATGGAAGTAAGGGGAGCGGCAGAGCAGGATAACCATGCGCTGAGGCGGGGACA
GCTGGATGGAGACCCCGTGGGAGGGCGAGATGGAAGGGAAAGTCGTGTCCATATCA
GAGCGGATCTTGCAGATGGGCTGGTGGGCTGCCAAGATAAACTCTAACTTCTCCTTC
TCTTTAAGCAGGTTGGCGATGTCGTTCTGGAGAACAGACTTCTCTTCCCTCCAGCTCGT
CGGTTTCACCTGCAGAGTGTGCGGTGAGTTCCTTTTCGCTGTTGCGGCATTTAGCTGC
TGCCTGCTTGTTCTCTCTCTACGGACTCGTTCTTCTCCTCCTCTTCAGGCGAAAGC
TGTTCCATTTTGCCTCTGCGCCCAGAGCTGTGGCCCTTGTTCTCATGGCTCTAGTGT
AGGTTGGGGGGCTGTGCTGTAGGGATGGGCTCTGTGAGAAGGTGCCACAGAGGAT
AGCGGCTGGACCAACCACTGCAGGTCTGGGCTGGCAGAGATGGCTGTAACAGTAGG
GATGAAGGACGGACCACTGGACACTGAATTCGGGTCTGTGAAGTCCTGAGATTGGG
GTGAACCCATGCTGGAGTAAGATCCCTCNNGAGAGTTGAAGTAAACCAGCTTGTCG
CNNNATGGAGAAGCTGTACTACAGCGAGAAGAANANTCACA GTCGGTGTTGAAAGC
CGAGT ANNNNGAATTTCGCGGCCGCTAAATTCAATTCGCCCTATANTGAGTCGTATTA
CNATTCACTGGNNGTCNTTTTACAACGTCNNGACTGGGAAAANN

Primers used for cloning:

cFosF1: ACTCCGCTTTCAACACCGAC

Compl: GTCGGTGTTGAAAGCGGAGT

cFosR1: TGTAGAGAGGCTCCCAGTCC