

Table S1 Description of the SSR markers used to build the linkage map in the Brook charr, *Salvelinus fontinalis*

| Marker | Primer F et R | Annealing Temperature | Accession Number | Associated publication |
|---------------------|---|-----------------------|------------------|------------------------|
| 1 BHMS206 | CCAATAACTGACAAGTGAG CAGAGGTTGATAATGGGG | 54 | AF256680 | Timusk et al. 2011 |
| 2 BHMS238 | GATAATGCCTGGATGTGC CTAGAGCCGACCCTTTAC | 54 | AF256682 | Timusk et al. 2011 |
| 3 BHMS272 | AGCTTGACAGCAGCTTGG TGCAATGCAGACTGACTG | 54 | AF256690 | Timusk et al. 2011 |
| 4 BHMS331 | CAGCACCAGAACATAACC AGCCATCAACACTCCCTG | 54 | AF256744 | Timusk et al. 2011 |
| 5 BHMS377 | TGGCTACAACAGGGATAC AGTCTCTTACATGGAGGC | 54 | AF256707 | Timusk et al. 2011 |
| 6 BHMS417/i/ii/iii/ | ACATAGACCATGACGCTC TGACACGCTCTCTGATCC | 54 | AF256752 | Timusk et al. 2011 |
| 7 BHMS429 | CCCCTGTCAAACGTCTTC AGCACACTGGATTCAAGG | 54 | AF256719 | Thorsen et al., 2005 |
| 8 BHMS465/i/ii | ACTCATCAACTGAGCCCC GTGATCTGTAGTTTTCCATC | 54 | AF256857 | Timusk et al. 2011 |
| 9 BHMS7.011 | GGGACAGCTAATGGATCG GTTTTAGTAATCGGAGTGTG | 54 | AF256834 | Timusk et al. 2011 |
| 10 BX073647/i/ii | TATGGCTTTCCAAACAAAG ACAGGGGGTTAACAGTGACA | 54 | BX073647 | Timusk et al. 2011 |
| 11 BX073974 | TGTACGGAAAGATGGGCTCC CTCGAAGTACCCAAACAGC | 54 | BX073974 | Timusk et al. 2011 |
| 12 BX076085 | AAGACAGGAGATGAAGACACCG ATATGTCGTGGGAAACATGTAGG | 54 | BX076085 | Timusk et al. 2011 |
| 13 BX079862 | TGTGAGAAGAACACGAGAGTTGG | 54 | BX079862 | Timusk et al. 2011 |

| | | | | | |
|----|---------------|--------------------------|----|----------|--------------------|
| | | GAATGAGGTGTTAGAACGACTGC | | | |
| 14 | BX087664/i/ii | ATAGCCAGAGGGAAGCCTGC | 54 | BX087664 | Timusk et al. 2011 |
| | | GCATCTCCAGCAGTCATTTGG | | | |
| 15 | BX299451 | CCTGGTCTCCTTCACTTCA | 54 | BX299451 | |
| | | CTGTGCTTACTGGGCAACTT | | | |
| 16 | BX305863 | TACTGTACAGGATGGGTCTCTGC | 54 | BX305863 | Timusk et al. 2011 |
| | | GGAGTACTACGTGTGAGGATTGG | | | |
| 17 | BX311224 | CCGTGTGAAACCTGCATCC | 54 | BX311224 | Timusk et al. 2011 |
| | | CCTTGGAAATGCTTACCCTACC | | | |
| 18 | BX311884/i/ii | TGGACAACCTCAGCAAGGACC | 54 | BX311884 | Timusk et al. 2011 |
| | | TGGTGACAGTTTCTGCTGAACC | | | |
| 19 | BX313739 | CATGGAGTGTAAGGCAGGGC | 54 | BX313739 | Timusk et al. 2011 |
| | | CGACAGATCAGCATCGCTGC | | | |
| 20 | BX318599 | GATTTTCTGACCAGCACCTCC | 54 | BX318599 | Timusk et al. 2011 |
| | | CCAACTGGACCCAGAACAGC | | | |
| 21 | BX319197 | CGTCATCCATGTATGTTTCATGC | 54 | BX319197 | Timusk et al. 2011 |
| | | GACAACTCACACATCCACATGG | | | |
| 22 | BX319411/i/ii | GCTGTGGCCCTCTGTCATAACC | 54 | BX319411 | Timusk et al. 2011 |
| | | GACATCAACGTGACACCAGGC | | | |
| 23 | BX861121/i/ii | CCTTCATCAAGGATGCAGCC | 50 | BX861121 | Timusk et al. 2011 |
| | | TATGTTTCCCAGTACATACCGGG | | | |
| 24 | BX870052/i/ii | CAGATGAAATTGATCCAGATGACG | 54 | BX87005 | Timusk et al. 2011 |
| | | GGAAGGGGATGATGTGATTGG | | | |
| 25 | BX873441 | GAAGAGTTCCGGTCCATCGG | 54 | BX873441 | Timusk et al. 2011 |
| | | CGTGCATGTAATTCAGCCTGC | | | |
| 26 | BX881655 | AGAAAGACCTGGCAAGGACC | 54 | BX881655 | Timusk et al. 2011 |
| | | CCTCTGGCACAACTCCAGC | | | |
| 27 | BX890355/i/ii | ACTGAGAACACTTCAGCCAAGG | 54 | BX890355 | Timusk et al. 2011 |

| | | | | | |
|----|---------------|--|----|----------|----------------------|
| 28 | CA060381 | ACCCACTAGCTGCTACATTATGG AGTGGTGAAGTGGGATGGGG CCCGATGCTTTCTTCATGG | 54 | CA060381 | Rise et al., 2004 |
| 29 | CA061336 | TGCCATGTTTATTGAAATGCC GGATCCAAAGGAGAGACTCCTG | 52 | CA061336 | Rise et al., 2004 |
| 30 | CA344270 | CACACTTCCTGGACCACTTCC TTCAAACTAGGGATTTCTGTTGC | 54 | CA344270 | Rexroad et al., 2003 |
| 31 | CA345149 | ACCACCTCAGAGTGTCTTTCTCC GACTTGACATACAAACGACGTGG | 54 | CA345149 | Rexroad et al., 2003 |
| 32 | CA350064 | GACCTGGTTTCGGTGCAGAGC CCACTGTGAAGTTAGGTGTTCCC | 54 | CA350064 | Rexroad et al., 2003 |
| 33 | CA368462/i/ii | CGACAGACTCAGACCACTGTCC CGACAGACTCAGACCACTGTCC | 56 | CA368462 | Rexroad et al., 2003 |
| 34 | CA376300/i/ii | TTAAGCACTAAGGGGAAGACGG TGGGGTGAAGCAAAGAGC | 54 | CA376300 | Rexroad et al., 2003 |
| 35 | CA378164 | GAACGGGGTGTCTAGATGG CCCTGACCTGCCTCTTTGG | 54 | CA378164 | Rexroad et al., 2003 |
| 36 | CL4778 | GAGGATACTGCCATTCAACA ACGGTCCCACCTTACCATAAA | 54 | NA | |
| 37 | Clock3-7C2-3 | GAGTACTGCCCTGCAGGTTG TTGACCATGGCCCTTATG | 54 | NA | Timusk et al. 2011 |
| 38 | CR363293 | TCCGCAACAAGTACGCTGG TTCTCTTCTGGCAACTTCAGACC | 54 | CR363293 | Timusk et al. 2011 |
| 39 | Ogo4UW | GTCGTCCTGGCATCAGCTA GAGTGGAGATGCAGCCAAAG | 54 | AF009796 | Olsen et al., 1998 |
| 40 | Omi30TUF/i/ii | AGAAGACGAAGTGGATGCTG GTCACCGTTTCTTTACCTGC | 54 | NA | Timusk et al. 2011 |

| | | | | | |
|----|--------------|---|----|----------|-----------------------|
| 41 | Omi126TUF | TTAAAGGAAACACACGCATACG TTCACACGACCGTTGGTG | 54 | NA | Timusk et al. 2011 |
| 42 | Omi179TUF | TTATCCTAGTGCCGGGTCTG ATGCAGCTTTTCAGTGGCTT | 54 | NA | Timusk et al. 2011 |
| 43 | OkeSLINRA | GAAAATAACTATAGACATTGCTGG CGTCCTTACACTCCAGAGGG | 54 | NA | Sakamoto et al., 2000 |
| 44 | OMM1195 | GCGAGGTTAGGATACACACAT CTTCAGCCTGGAAACACAA | 54 | AF469980 | Timusk et al. 2011 |
| 45 | OMM1197/i/ii | CTAGGAGAACAAGAAGACCATCGC AGGACAGAAAGGAGGTAAAACGG | 54 | AF469982 | Timusk et al. 2011 |
| 46 | OMM1201 | CCGAAAAGCTAGGGAGAG CCCTTCTGTATCCATTCCGTT | 54 | AF469986 | |
| 47 | OMM1205 | AAACGGTGCCTCCTCCTCTATA CCCAAGCCAATAAAGCCCTTACAT | 54 | AF469990 | Timusk et al. 2011 |
| 48 | OMM1210 | CATCAGACAGCACAGAGCAG GGAGGAGCAAGCCTTCTAAC | 54 | AF469994 | Timusk et al. 2011 |
| 49 | OMM1211 | ACCCACTCTCCACTCAGTATT GAAGGAGGCTTGAAGTGATC | 54 | AF469995 | Timusk et al. 2011 |
| 50 | OMM1220 | CTCTGGGACAGACTTATCAC CTATTGGACGATGCACAC | 54 | AF470002 | Timusk et al. 2011 |
| 51 | OMM1228 | CCCTTCTGTGTGTCGTTGTT CAGGAGTCACTTGGCAGTAGGAG | 54 | AF470009 | Timusk et al. 2011 |
| 52 | OMM1237/i/ii | GTCAGAGTCGTGGGTATCAA CAGAGTTTCCACGGTCACT | 54 | AF470017 | Timusk et al. 2011 |
| 53 | OMM1238 | CGGAAATACGGAGGCTACTGTTG CTTCTCCCTGGCATCTTTCATCAG | 54 | AF470018 | Timusk et al. 2011 |
| 54 | OMM1263/i/ii | CTGCATTCCAATACTCCACAG TGGACGAACACTGGATCAG | 54 | AF470029 | Timusk et al. 2011 |

| | | | | | |
|----|--------------|--|----|----------|------------------------|
| 55 | OMM1290 | GCCTCAGCACTGTCTTAA CGGAGGTCCTAGAGA | 54 | AF470050 | Timusk et al. 2011 |
| 56 | OMM1329 | GGGAAGTGTTACCATTACACAAG CATCCAGGAACGCACCTTTA | 54 | G73564 | Palti, Y et al., 2002 |
| 57 | OMM1345 | CCCTGGATTCTCCTGTTAG ACATAGACACAGCACTCATGG | 54 | G73576 | Palti, Y et al., 2002 |
| 58 | OMM1372/i/ii | CACTTCATGATGCCGAAAGCAG CCCCATCATGACTCCTTCTAGTT | 54 | BV005159 | Palti, Y et al., 2002 |
| 59 | OMM1445 | CTGCGTTATTGGTAGCTTGTG CCCGGTAATGTAGTTCCTGTC | 54 | BV079589 | Timusk et al. 2011 |
| 60 | OMM1459 | GCAGGTATTCAGGTAGGTCAG AATGACCATGGAAAACAACAC | 54 | BV079593 | Timusk et al. 2011 |
| 61 | OMM1512 | TTTCAAATCAGCCCAGGTTA AGGAAAAGGCAGGATGGTAT | 54 | BV212048 | Coulibaly et al., 2005 |
| 62 | OMM1579 | CTAGGCTCTGTGAATCTGA GAAGGAATAAGACTGTCCG | 54 | BV212097 | Coulibaly et al., 2005 |
| 63 | OMM3015/i/ii | ACTCTTGCGCTGGTTGTATG GAAGAGTGTGAAAGTTGGCTG | 54 | BV718488 | Timusk et al. 2011 |
| 64 | OMM3075 | CATTTAATTGAGCTGGCCAC CCAGACAGTTCTGAGCAACC | 54 | BV676508 | Timusk et al. 2011 |
| 65 | OMM3095 | CTTCCATTGAGGTTAGAGCAC CCAGGTGTGAAAGGGTTTG | 54 | BV676517 | Timusk et al. 2011 |
| 66 | OMM5000/i/ii | AACAGAGCAGTGAGGGGACTGAGA CAAGTGATGTTGGTGCGAGGG | 54 | CO805106 | Timusk et al. 2011 |
| 67 | OMM5007 | AGATGCCTGTCGAGTGTG GAGGAGCATCATTTAGAGACTACA | 54 | CO805113 | Timusk et al. 2011 |
| 68 | OMM5008 | CTGTTTCGTTGCTCATATCAACC TCCATTATCCAATCAGGAGAGCTCTAT | 54 | CO805114 | Timusk et al. 2011 |

| | | | | | |
|----|--------------|--|----|----------|------------------------|
| 69 | OMM5014/i/ii | GGGTCTGAAAGGAGCATGG GGAACCTAACATGACGCAACA | 54 | CO805119 | Timusk et al. 2011 |
| 70 | OMM5018 | GAAGGAACGGAACAGAGTGGTAATCAC TCGGACAGGTAACCTGGAACGGAT | 54 | CO805123 | Timusk et al. 2011 |
| 71 | OMM5019 | CATGCTGCCTCTCACCGTTTA AACACACCCAGCATCCAACC | 54 | CO805124 | Timusk et al. 2011 |
| 72 | OMM5056 | TCACCATCACCTTCATCGCCT ACATGCTGCCCTTTGACGGAG | 54 | CA349207 | Rexroad et al., 2003 |
| 73 | OMM5060 | TCTCGGGCCAAACCTTCTTATTGC AGCCACTACATCTCCACGCCCTT | 54 | CA348688 | Rexroad et al., 2003 |
| 74 | OMM5061 | GCGTTGGGAGAGAACAATACC CCCATCACACCAGTTGCC | 54 | CA348688 | Rexroad et al., 2003 |
| 75 | OMM5074 | TCGCTTTGGGTAGAAGTTGCCTTTAAC AACATTAAGAACGAGTGAATCACGC | 54 | CA348721 | Rexroad et al., 2003 |
| 76 | OMM5091 | GCAGGAAAAACACCCAGATACAA ACACTGGCTGGTGTCTTACATTA | 54 | CA348850 | Rexroad et al., 2003 |
| 77 | OMM5102/i/ii | ATTCAAATAACAGGTGCTACTGGTC CTGGTAACTAGGCAACTGATTGTGTC | 54 | CA348955 | Rexroad et al., 2003 |
| 78 | OMM5113 | TCGGTAACAAGTCTCTAGACCACA CAGAGACCTAGACTGAGTCATGTCCTG | 54 | CA349018 | Rexroad et al., 2003 |
| 79 | OMM5146 | GACAGATTCATGCAAGCCT CCTCACTACTTGCCAATCA | 54 | BV211874 | Coulibaly et al., 2005 |
| 80 | OMM5147 | CACTGTATGTTCTTACCCTG TATACTGGCTGAGTTCAACC | 54 | BV211875 | Coulibaly et al., 2005 |
| 81 | OMM5155i/ii | GGACAGAACTGCCACTAAGTGTG GAGGAGACAGGGAAGAGCTATTG | 54 | BV211883 | Coulibaly et al., 2005 |
| 82 | OMM5161/i/ii | CAAGTGCCTTTGAGCAC AGCAACTGCTGACTCC | 54 | BV211889 | Coulibaly et al., 2005 |

| | | | | | |
|----|--------------------|--|----|----------|------------------------|
| 83 | OMM5176 | CCACTTGCTGCTTCTCTACATA AAGAACACCTAGCCAATAACCC | 54 | BV211902 | Coulibaly et al., 2005 |
| 84 | OMM5179 | CCCTGTCACATGGATGCT GATTTGGCAACCGAACAC | 54 | BV211905 | Coulibaly et al., 2005 |
| 85 | OMM5312/i/ii/iii | ACTGTCAGCAGCAATACACT CCCATTTTCTCTTGTCACAC | 54 | BV21202 | Coulibaly et al., 2005 |
| 86 | Omy6DIAS | CCACCAACTTCTTACATGAT CTATGGGGACAGCCGAATAA | 54 | AF239042 | Timusk et al. 2011 |
| 87 | Omy21INRA/i/ii/iii | GCATTGGCGTAATGAGAAGG CTGACGGACATATCAGCCC | 54 | NA | Gharbi et al., 2006 |
| 88 | OmyRGT2TUF | ATAATGTGTCCCAGGCAAG GAGGATGCGTCTTTGCATCT | 54 | AB087587 | Sakamoto et al., 2000 |
| 89 | OmyRT16TUF | TGGCTGAGTTATACATGGAACG TCAATCAGGAGCAGTTAAAACA | 54 | NA | Timusk et al. 2011 |
| 90 | Otsclock1b_44_L_2 | TGCTACTGTGGCAACCTTTG CCTGAGAGAGATGAGGGAGAGA | 54 | NA | |
| 91 | Sal5UoG | TTTGCATTGAGCCTCTGTTG TGTTTCAGCTGCTATTAGGAAT | 54 | NA | Timusk et al. 2011 |
| 92 | Sal9UoG/i/ii/iii | TCACTGCTTCAAGGTATTTTACTT AATTAGAGCTGCTAGGTCAGTGAG | 54 | NA | Timusk et al. 2011 |
| 93 | SalD25SFU | GATCTACACAGACCCACC CCGTTCTTCCAATAACTGCTC | 54 | AF537305 | McGowan et al., 2004 |
| 94 | SalD39SFU | GGGGAGTCTGTGTTAAGTTGG TGAATGGACGTTCTCTGAC | 54 | AF537310 | McGowan et al., 2004 |
| 95 | SalE38SFU | CGCCTTGCATACATTACACC CCGTTCTTCCAATAACTGCTC | 54 | AF537309 | McGowan et al., 2004 |
| 96 | SalF41SFU | ATCCGCTATGAACCACAGG ACTGCTCCGGCAACTACAG | 54 | AF537306 | McGowan et al., 2004 |

| | | | | | |
|-----|------------------|---|----|----------|-----------------------|
| 97 | Ssa0017BSFU | CGCAACAGGCTTAGTTAGAT CAACATTGAGTTCCCTTCAT | 54 | AF019154 | Timusk et al. 2011 |
| 98 | Ssa0033BSFU | ATTCTTGATCGTGGTCTTTG CCGTTCTTCCAATAACTGCTC | 54 | NA | Phillips et al., 2009 |
| 99 | Ssa0072BSFU | TCCGAAGATAGGGGAGGTT ATAAACATCTGGGTGGCTGC | 54 | NA | Phillips et al., 2009 |
| 100 | Ssa0080BSFU/i/ii | CTACTGCACAGCACCTGGAA CACAGAGCACCTCCTGAACA | 54 | NA | Phillips et al., 2009 |
| 101 | TC126859j/ii | TTTTCTCCCTTTGACGACAG TGGTTGTGACTCGATGTCTG | 54 | NA | Phillips et al., 2009 |
| 102 | C113 | GGAGCCCAGACTATATTGACG CCTTGAAGTCTTGCCAGAT | 64 | NA | King TL, unpublished |
| 103 | B52 | GCACACGAAACCAGTATATTTT TTGTCTTGGTGATTTGAGAGC | 64 | NA | King TL, unpublished |
| 104 | C28 | CAGTTGAAGTGATTGGGTTAGC TCATCCTTAAAGCAGAATACCAC | 64 | NA | King TL, unpublished |
| 105 | C129 | AGTGGGTACAACATACCTTTGG AGGTATTCACACCTCAGATTGG | 64 | NA | King TL, unpublished |
| 106 | C88 | TAGTCTCTGGTGGGAATAATG ATATCAGCCATAAGAGCTGGAG | 60 | NA | King TL, unpublished |
| 107 | C24 | GCTACTGTTGGATTTATCTCAG ATCACAGAGATGGGGTGATG | 60 | NA | King TL, unpublished |
| 108 | D100 | ACCTTTGACCTGTACATCGTG CAGACCTAGACTAAAGCATCCG | 60 | NA | King TL, unpublished |
| 109 | D75 | GTAGTGCCAAAACAGGTAGAGC CATCCTTATTCCAACCTCAATC | 60 | NA | King TL, unpublished |
| 110 | C86 | ACCGATGGCCTTCAACAC ATAGGCCCTACCTCAAACC | 60 | NA | King TL, unpublished |

| | | | | | |
|-----|---------|---|----|----|------------------------|
| 111 | Sfo266 | CTGGCAGCATTGTAAAGAAG CTGGGTGATTTGACGACC | 64 | NA | Perry et al., 2005 |
| 112 | Sco216 | CCTTGTGAGAGCTAAGGTAGTG GGAGGACATATTCCAACTTTG | 64 | NA | Dehaan and Ardren 2005 |
| 113 | Sfo262 | CCCATGTCAGTATTGGACTC CTTCATGGGCAGAATGGAC | 64 | NA | Perry et al., 2005 |
| 114 | Sco218 | TTCTAACTGTTGGCACTCTG GTGTGGTTGGGTGGTAAG | 60 | NA | Dehaan and Ardren 2005 |
| 115 | SFO241 | CTCCATTAGAAAGGGTTTG CCAGTCTTTAGTCAACGC | 60 | NA | King TL, unpublished |
| 116 | SFO091 | AAATAACAACAATATGTGAGAAC TATGCTGATATTGACTTTGG | 60 | NA | King TL, unpublished |
| 117 | SFO308 | CAGCAATGGGGCTGAAGTAG GTCACTGTGTGAATCCTCC | 60 | NA | Perry et al., 2005 |
| 118 | SFO269 | GTAGATGAAACCTGATGG GTTCTATGGTCACATACTG | 60 | NA | Perry et al., 2005 |
| 119 | SFOD105 | CAGGGAAAATGCTAATGTGC GGTTGTGTCGAATGGAGTTC | 60 | NA | King TL, unpublished |
| 120 | Ssa85 | AGCTGGGCCTCCAAGCTAC ACCCGCTCCTCACTTAATC | 60 | NA | King TL, unpublished |
| 121 | SFOC115 | CAGTTTCTATCTCCAGGCAATC TTCTGAAAGCACTCAACATGG | 60 | NA | King TL, unpublished |
| 122 | SSA197 | GGGTTGAGTAGGGAGGCTTG TGGCAGGGATTTGACATAAC | 60 | NA | O'Reilly et al., 1996 |
| 123 | SFO12 | GGTTTTGAAGAGTGACAG CCCGTTTCACAATCAGAG | 60 | NA | Angers et al., 1995 |
| 124 | SFO177 | CGAATGTGGAGCTGAACTG GGGTATTTGTACAATGGGT | 60 | NA | Perry et al., 2005 |

| | | | | | |
|-----|--------|---|----|----|-----------------------|
| 125 | ONE8 | AACATTCTGGGATGACAGGGGTA CTGTTCTGCTCCAGTGAAGTGGGA | 60 | NA | Scribner et al., 1996 |
| 126 | SFO226 | GAGGGCTAGAGACTAGCTTCAG GCAGTGGAAACAATACCCAG | 60 | NA | Perry et al., 2005 |

McGowan, CR, Davidson, EA, Woram, RA, Danzmann, RG, Ferguson, MM and Davidson, WS, 2004. Ten polymorphic microsatellite markers from Arctic charr (*Salvelinus alpinus*): linkage analysis and amplification in other salmonids *Anim. Genet.* 35:479-481.

Olsen, JB, Bentzen, P, and Seeb, JE, 1998. Characterization of seven microsatellite loci derived from pink salmon. *Mol. Ecol.* 7: 1087-1089

O'Reilly P, Hamilton L, McConnell S, Wright J (1996). Rapid analysis of genetic variation in Atlantic salmon (*Salmo salar*) by PCR multiplexing of dinucleotide and tetranucleotide microsatellites. *Canadian Journal of Fisheries and Aquatic Sciences* 53: 2292-2298.

Phillips, RB, Keatley, KA, Morasch, MR, Ventura, AB, Lubieniecki, KP, Koop, BF, Danzmann, RG and Davidson, WS, 2009. Assignment of Atlantic salmon (*Salmo salar*) linkage groups to specific chromosomes: Conservation of large syntenic blocks corresponding to whole chromosome arms in rainbow trout (*Oncorhynchus mykiss*) *BMC Genetics* 10:46

Palti, Y, Fincham, MR and Rexroad, CE, III, 2002. Characterization of 38 polymorphic microsatellite markers for rainbow trout (*Oncorhynchus mykiss*). *Mol. Ecol. Notes.* 2: 449-452

Perry GML, King TL, St-Cyr J, Valcourt M, Bernatchez L 2005. Isolation and cross-familial amplification of 41 microsatellites for the brook charr (*Salvelinus fontinalis*). *Molecular Ecology Notes* 5(2): 346-351.

Rexroad, CE, III, Lee, Y, Keele, JW, Karamycheva, S, Brown, G, Koop, B, Gahr, SA, Palti, Y, and Quackenbush, J. 2003. Sequence analysis of a rainbow trout cDNA library and creation of a gene index. *Cytogenet. Genome Res.* 102: 347-354

Rise, ML, von Schalburg, KR, Brown, GD, Mawer, MA, Devlin, RH, Kuipers, N, Busby, M, Beetz-Sargent, M, Alberto, R, Gibbs, AR, Hunt, P, Shukin, R, Zeznik, JA, Nelson, C, Jones, SR, Smailus, DE, Jones, SJ, Schein, JE, Marra, MA, Butterfield, YS, Stott, JM, Ng, SH, Davidson, WS and Koop, BF, 2004. Development and application of a salmonoid EST database and cDNA microarray: data mining and interspecific hybridization characteristics. *Genome Res* 14:478-490

Sakamoto, T, Danzmann, RG, Gharbi, K, Howard, P, Ozaki, A, Sokkean, K, Woram, RA, Okamoto, N, Ferguson, MM, Holm, L-E, Guyomard, R and Hoyheim, B, 2000. A microsatellite linkage map of rainbow trout (*Oncorhynchus mykiss*) characterized by large sex-specific differences in recombination rates. *Genetics* 155:1331-1345.

Scribner KT, Gust JR, Fields RL (1996). Isolation and characterization of novel salmon microsatellite loci: cross-species amplification and population genetic applications. *Can J Fish Aquat Sci* 53: 833-841.

Timusk, E. R., M. Ferguson, H. K. Mogahadam, J. D. Norman, C. Wilson *et al.*, 2011. Genome evolution in the fish family salmonidae: generation of a brook charr genetic map and comparisons among charrs (Arctic charr and brook charr) with rainbow trout. *BMC genetics* 68:12.

Thorsen, J, Zhu, B, Frengen, E, Osoegawa, K, de Jong, PJ, Koop, BF, Davidson, WS and Hoyheim, B, 2005. A highly redundant BAC library of Atlantic salmon (*Salmo salar*): an important tool for salmon projects. *BMC Genomics* 6:50