

### **Selected Publications:**

"Sequencing the Genome of the Atlantic Salmon (*Salmo salar*)." Davidson, W.S., Koop, B.F., Jones, S.J.M., Iturra, P., Vidal, R., Maass, A., Jonassen, I., Lien, S. and Omholt, S.W. (2010) *Genome Biology* 11:403. (150 citations as of September 1, 2015).

"Development and application of a salmonid EST database and cDNA microarray: data mining and interspecific hybridization characteristics." Rise, M.L., von Schalburg, K., Brown, G.D., Mawer, M.A., Devlin, R.H., Kuipers, N., Busby, M., Beetz-Sargent, M., Alberto, R., Gibbs, A.R., Hunt, P., Shukin, R., Zeznik, J.A., Nelson, C., Jones, S.R.M., Smailus, D. Jones, S.J.M., Schein, J.E., Marra, M.A., Butterfield, Y.S.N., Stott, J.M., Ng, S.H.S., Davidson, W.S. and Koop, B.F. (2004) *Genome Research* 14: 478-490. (319 citations as of September 1, 2015).

"Fish and Chips: Various methodologies demonstrate utility of a 16,006-gene salmonid microarray." von Schalburg, K.R., Rise, M.L., Cooper, G.A., Brown, G.D., Gibbs, R.A., Nelson, C.C., Davidson, W.S. and Koop, B.F. (2005) *BMC Genomics* 6:126. (199 citations as of September 1, 2015).

"FINS (forensically informative nucleotide sequencing): A procedure for identifying the animal origin of biological specimens." Bartlett, S.E. and Davidson, W.S. (1992) *BioTechniques* 12:408-411. (270 citations as of September 1, 2015).

"Triallelic inheritance in Bardet-Biedl Syndrome, a mendelian recessive disorder.", N., Ansley, S.J., Badano, J.L., Eichers, E.R., Lewis, R.A., Hoskins, B.E., Scambler, P.J., Davidson, W.S., Beales, P.L. and Lupski, J.R. (2001) *Science* 293:2256-2259. (433 citations as of September 1, 2015).

"Mutations in *MKKS* cause obesity, retinal dystrophy and renal malformations associated with Bardet-Biedl syndrome". Katsanis, N., Beales, P.L., Woods, M.O., Lewis, R.A., Green, J.S., Parfrey, P.S., Ansley, S.J., Davidson, W.S. and Lupski, J.R. (2000). *Nature Genetics* 26:67-70. (266 citations as of September 1, 2015).

### **Manuscripts in revision, submitted or preparation**

"Genome-wide association analysis reveals loci associated with resistance against *Piscirickettsia salmonis* in two Atlantic salmon (*Salmo salar* L.) chromosomes." Correa, K., Lhorente, J.P., Lopez, M.E., Bassini, L., Naswa, S., Deeb, N., Di Genova, A., Maass, A., Davidson, W.S. and Yanez, J.M. (2015) *BMC Genomics* (in revision).

"Evidence of recent signatures of selection during domestication in an Atlantic salmon population." Gutierrez, A.P., Yanez, J.M., Lopez, M.E. and Davidson, W.S. (2015) *Marine Genomics* (in revision).

"Genomic instability of the sex-determining locus in Atlantic salmon (*Salmo salar*)." Lubieniecki, K.P., Lin, S., Palibroda, E.I., Li, J., Lai, Y.Y.Y. and Davidson, W.S." (2015) *G3: Gene Genome Genetics* (in revision).

"Identification and characterization of Maskin isoforms in Atlantic salmon, a gene recently associated with sexual development." Gutierrez, A.P. and Davidson, W.S. (2015) *Comparative Biochemistry and Physiology* (submitted).

"Atlantic salmon genome evolution since ancestral whole-genome duplication." Lien, S., Koop, B.F., Sandve, S.R., Miller, J.R., Kent, M.P., Nome, T., Hvidsten, T.R., Leong, J., Minkley, D. Zimin, A., Grammes, F., Grove, H., Gjuvslund, A., Walenz, B., Hermansen, R.A., vonSchalburg, K., Rondeau, E.B., DiGenova, A., Samy, G.K.A., Vik, J.O., Vigeland, M.D., Caler, L., Beeson, K., Baden-Tilson, H., Grimholt, T., Jentoft, S., Vage, D.I., deJong, P., Moen, T., Baranski, M., Palti, Y., Smith, D.R., Nederbragt, A.J., Tooming-Klunderud, A., Jakobsen, K.S., Jiang, X., DingDing, F., Hu, Y., Liberles, D.A., Vidal, R., Iturra, P., Jones, S.J.M., Jonassen, I., Maass, A., Omholt, S.W. and Davidson, W.S. (in preparation).

"Functional divergence in teleost troponin paralogs guiding variation in the interaction of Tnl switch region with TnC." Genge, C.E., Stevens, C.M., Davidson, W.S., Singh, G., Tielman, P. and Tibbits, G.F. (in preparation).

## 2015

"Expression analysis of sex-determining pathway genes during development in male and female Atlantic salmon (*Salmo salar*)." Lubieniecki, K.P., Botwright, N.A., Taylor, R.S., Evans, B.S., Cook, M.T. and Davidson, W.S. (2015) *Physiological Genomics* (in press) doi:10.1152/physiolgenomics.00013.2015.

"Greenland Halibut in the North Atlantic are genetically homogeneous: a response to Roy et al. (2014)." (2015) *Canadian Journal of Fisheries and Aquatic Science* 72:1121.

"Epithelial Cadherin Determines Resistance to Infectious Pancreatic Necrosis Virus in Atlantic Salmon." Moen, T., Torgersen, J., Santi, N., Davidson, W.S., Baranski, M., Odegarad, J., Kjøglum, S., Velle, B., Kent, M., Lubieniecki, K.P., Isdal, E. and Lien, S. (2015) *Genetics* 200:1313-1326.

## 2014

"Evidence for multiple sex-determining loci in Tasmanian Atlantic salmon (*Salmo salar*)." Eisbrenner, W.D., Botwright, N., Cook, M., Davidson, E.A., Dominik, S., Elliott, N.G., Henshall, J., Jones, S.L., Kube, P.D., Lubieniecki, K.P., Peng, S. and Davidson, W.S. (2014) *Heredity* 113, 86-92 doi:10.1038/hdy.2013.55

"Genomic Organization and Evolution of the Trace Amine-Associated Receptor (TAAR) Repertoire in Atlantic Salmon (*Salmo salar*)." Tessarolo, J.A., Tabesh, M.J., Nesbitt, M., and Davidson, W.S. (2014) *G3: Gene Genome Genetics* 4:1135-1141.

Detection of Quantitative Trait Loci (QTL) Related to Grilising and Late Sexual Maturation in Atlantic Salmon (*Salmo salar*)." Gutierrez, A.P., Lubieniecki, K.P., Fukui, S., Withler, R.E., Swift, B. and Davidson, W.S. (2014) *Marine Biotechnology* 16:103-110.

## 2013

"The role of genomics in studying trout and salmon biology." Quinn, N.L. and Davidson, W.S. (2013) Chapter 17 In "Trout from physiology to conservation" pp. 413-430. Eds., S. Polakof and T.W. Moon. Nova Publishers, New York.

"Sex-specific expression, synthesis and localization of aromatase regulators in one-year-old Atlantic salmon ovaries and testes." von Schalburg, K.R.,

"Understanding salmonid biology from the Atlantic salmon genome." Davidson, W.S. *Genome* 56:548-550.

"Assessing footprints of selection in commercial Atlantic salmon populations using microsatellite data." Martinez, V., Dettleff, P., Lopez, P., Fernandez, G., Jedlicki, A., Yanez, J.M. and Davidson, W.S. (2013) *Animal Genetics* 44:223-226.

"Adult teleost heart expresses two distinct troponin C paralogs: cardiac TnC and a novel and teleost-specific ssTnC in a chamber- and temperature-dependent manner." Genge, C.E., Davidson, W.S. and Tibbits, G.F. (2013) *Physiological Genomics* 45:866-875.

## 2012

"Adaptation genomics: next generation sequencing reveals a shared haplotype for rapid early development in geographically and genetically distant populations of rainbow trout." Davidson, W.S. (2012) *Molecular Ecology* 21: 219-222.

"Identification of olfactory receptor genes in Atlantic salmon." Johnstone, K.A., Lubieniecki, K.P., Koop, B.F. and Davidson, W.S. (2012) *Journal of Fish Biology* 81:559-575.

"Smelt was the likely beneficiary of an antifreeze gene laterally transferred between fishes." Graham, L.A., Li, J., Davidson, W.S. and Davies, P.L. (2012) *BMC Evolutionary Biology* 12:190.

"Genomics and Genome Sequencing: Benefits for Finfish Aquaculture." Quinn, N.L., Gutierrez, A.P., Koop, B.F. and Davidson, W.S. (2012) *Aquaculture* pp. 127-154. Ed. Z. Muchlisin. InTech, (www.intechopen.com).

"Characterization of the Atlantic salmon (*Salmo salar*) brain-type fatty acid binding protein (fabp7) genes reveals the fates of teleost fabp7 gene following whole genome duplications." Lai, Y.Y.Y., Lubieniecki, K.P., Koop, B.F. and Davidson, W.S. (2012) *Gene* 504:253-261.

"Chromosomal differences between European and North American Atlantic salmon discovered by linkage mapping and supported by fluorescence in situ hybridization analysis." Brenna-Hansen, S., Li, J., Ken, M.P., Boulding, E.G., Dominik, S., Davidson, W.S. and Lien, S. (2012) BMC Genomics 13:432.

"Genetic mapping of quantitative trait loci (QTL) for body-weight in Atlantic salmon (*Salmo salar*) using a 6.5 K SNP array". Gutierrez, A.P., Lubieniecki, K.P., Davidson, E.A., Lien, S., Kent, M.P., Fukui, S., Withler, R.E., Swift, B. and Davidson, W.S. (2012) Aquaculture 359:61-70.

## 2011

"A dense SNP-based linkage map for Atlantic salmon (*Salmo salar*) reveals extended chromosome homeologies and striking differences in sex-specific recombination patterns." Lien, S., Gidskehaug, L., Moen, T., Hayes, B.J., Berg, P.R., Davidson, W.S., Omholt, S.W. and Kent, M.P. (2011) BMC Genomics 12:615.

"Expression of olfactory receptors in different life stages and life histories of wild Atlantic salmon (*Salmo salar*)." Johnstone, K.A., Lubieniecki, K.P., Koop, B.F. and Davidson, W.S. (2011) Molecular Ecology 20:4059-4069.

"Ribosomal genes and heat shock proteins as putative markers for chronic, sublethal heat stress in Arctic charr: applications for aquaculture and wild fish." Quinn, N.L., McGowan, C.R., Cooper, G.A., Koop, B.F. and Davidson, W.S. (2011) Physiological Genomics 43:1056-1064.

"Identification of the sex chromosomes of brown trout (*Salmo trutta*) and their comparison with the corresponding chromosomes in Atlantic salmon (*Salmo salar*) and rainbow trout (*Oncorhynchus mykiss*)." Li, J., Phillips, R.B., Harwood, A.S., Koop, B.F. and Davidson, W.S. (2011) Cytogenetic and Genome Research 133:25-33.

" Identification of genes associated with heat tolerance in Arctic charr exposed to acute thermal stress." Quinn, N.L., McGowan, C.R., Cooper, G.A., Koop, B.F. and Davidson, W.S. (2011) Physiological Genomics 43:685-696.

" Regulation and expression of sexual differentiation factors in embryonic and extragonadal tissues of Atlantic salmon." von Schalburg, K.R., Yasuike, M., Yazawa, R., de Boer, J.G., Reid, L., So, S., Robb, A., Rondeau, E.B., Phillips, R.B., Davidson, W.S. and Koop, B.F. (2011) BMC Genomics 12:31.

"Gene duplication and divergence of long wavelength-sensitive opsin genes in the guppy, *Poecilia reticulata*." Watson, C.T., Gray, S.M., Hoffmann, M., Lubieniecki, K.P., Sandkam, B.S., Weigel, D., Loew E., Dreyer, C., Davidson, W.S. and Breden, F. (2011). Journal of Molecular Evolution 72:240-252.

"Assessment of population structure in Pacific *Lepeophtheirus salmonis* (Krøyer) using single nucleotide polymorphism and microsatellite genetic markers." Messmer, A.M., Rondeau, E.B., Jantzen, S.J., Lubieniecki, K.P., Davidson, W.S. and Koop, B.F. (2011) Aquaculture 320:183-192.

## 2010

"Genomic organization and evolution of the Atlantic salmon hemoglobin repertoire." Quinn, N.L., Boroevich, K.A., Lubieniecki, K.P., Chow, W., Davidson, E.A., Phillips, R.B., Koop, B.F. and Davidson, W.S. (2010) BMC Genomics 11:539.

"Sequencing the Genome of the Atlantic Salmon (*Salmo salar*)." Davidson, W.S., Koop, B.F., Jones, S.J.M., Iturra, P., Vidal, R., Maass, A., Jonassen, I., Lien, S. and Omholt, S.W. (2010) Genome Biology 11:403.

"Evolution of duplicated *IgH* Loci in Atlantic salmon, *Salmo salar*." Yasuike, M., de Boer, J., von Schalburg, K.R., Cooper, G.A., McKinnel, L., Messmer, A., So, S., Davidson, W.S. and Koop, B.F. (2010) BMC Genomics 11:486.

"Genomic organization of duplicated short wave-sensitive and long wave-sensitive opsin genes in the green swordtail, *Xiphophorus helleri*." Watson, C.T., Lubieniecki, K.P., Loew, E., Davidson, W.S. and Breden, F. (2010) BMC Evolutionary Biology 10:87.

"Grayling (Thymallinae) phylogeny within salmonids: complete mitochondrial DNA sequences of *Thymallus arcticus* and *Thymallus thymallus*." Yasuike, M., Jantzen, S., Cooper, G.A., Leder, E., Davidson, W.S. and Koop, B.F. (2010) Journal of Fish Biology 76:395-400.

"Comparative genomics identifies candidate genes for Infectious Salmon Anemia (ISA) resistance in Atlantic salmon (*Salmo salar*)." Li, J., Boroevich, K.A., Koop, B.F. and Davidson, W.S. (2010) Marine Biotechnology 13:232-241.

"*Salmo salar* and *Esox lucius* full-length cDNA sequences reveal changes in evolutionary pressures on a post-tetraploidization genome." Leong, J.S., Jantzen, S.G., von Schalburg, K.R., Cooper, G.A., Messmer, A.M., Liao, N.Y., Munro, S., Moore, R., Holt, R.A., Jones, S.J., Davidson, W.S. and Koop, B.F. (2010) BMC Genomics 11:279.

"BAC-based upgrading and physical integration of genetic SNP map in Atlantic salmon." Lorenz, S., Brenna-Hansen, S., Moen, T., Roseth, A., Davidson, W.S., Omholt, S.W. and Lien, S. (2010) Animal Genetics 41:48-54.

"Regulation, Expression and Characterization of Aromatase (*cyp19b1*) transcripts in ovary and testis of rainbow trout (*Oncorhynchus mykiss*)." von Schalburg, K.R., Yasuike, M., Davidson, W.S. and Koop, B.F. (2010) Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology 155:118-125.

## 2009

"Autosomal recessive Bardet-Biedl syndrome: first-degree relatives have no predisposition to metabolic and renal disorders". Webb, M.P. Dicks, E.L., Green, J.S., Moore, S.J. Warden, G.M., Gamberg, J.S., Davidson, W.S., Young, T.L. and Parfrey, P.S. (2009) Kidney International 76:215-223.

"Genomic organization and evolution of the vomeronasal type 2 receptor-like (*OlfC*) gene clusters in Atlantic salmon (*Salmo salar*)." Johnstone, K.A., Ciborowski, K.L., Lubieniecki, K.P., Chow, W., Phillips, R.B., Koop, B.F., Jordan, W.C. and Davidson, W.S. (2009) Molecular Biology and Evolution 26:1117-1125.

"Genomic Organization and Evolution of Genes Encoding for Intestinal Fatty Acid Binding Protein (FABP2) in Atlantic salmon (*Salmo salar*)." Lai, Y.Y., Lubieniecki, K.P., Phillips, R.B., Chow, W., Koop, B.F. and Davidson, W.S. (2009) Marine Genomics 2:193-200.

"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*)." Phillips, R.B., Keatley, K.A., Morasch, M.R., Ventura, A.B., Lubieniecki, K.P., Koop, B.F., Danzmann, R.G. and Davidson, W.S. (2009) BMC Genetics 10:46.

"Rainbow trout interleukin-2:cloning, expression and bioactivity analysis. Diaz-Rosales, P., Bird, S., Wang, T.H., Fujiki, K., Davidson, W.S., Zou, J. and Secombes, C.J. (2009) Fish and Shellfish Immunology 27:414-422.

"Sex determining loci and sex chromosomes in the family Salmonidae". Davidson, W.S., Huang, T-k., Fujiki, K., von Schalburg, K.R. and Koop, B.F. (2009) Sexual Development 3:78-87.

## 2008

"Functional adaptive diversity of the Atlantic Salmon T-cell receptor gamma locus." Yazawa, R., Cooper, G.A., Beetz-Sargent, M., Robb, A., McKinnel, L., Phillips, R.B., Davidson, W.S. and Koop B.F. (2008). Molecular Immunology 45:2150-2157.

"Rainbow Smelt (*Osmerus mordax*) Genomic Library and EST Resources." von Schalburg, K.R., Leong, J., Cooper, G.A., Robb, A., Beetz-Sargent, M., Lieph, R., Holt, R.A., Moore, R., Ewart, K.V., Driedzic, W.R., Ten Hallers, B.F., Zhu, B., de Jong, P.J., Davidson, W.S. and Koop, B.F. (2008) Marine Biotechnology 10:487-491.

"A linkage map of the Atlantic salmon (*Salmo salar*) based on EST-derived SNP markers." Moen, T., Hayes, B., Baranski, M., Berg, P.R., Kjøglum, S., Koop, B.F., Davidson, W.S., Omholt, S.W. and Lien, S. (2008) BMC Genomics 9:223.

"EST and Mitochondrial DNA Sequences Support a Distinct Pacific Form of Salmon Louse, (*Lepeophtheirus salmonis*)." Yazawa, R., Yasuike, M., Leong, J., von Schalburg, K.R., Cooper, G.A., Beetz-Sargent, M., Robb, A., Davidson, W.S., Jones, W.S. and Koop, B.F. (2008) Marine Biotechnology 10:741-749.

"Genomic organization and characterization of two vomeronasal 1 receptor-like genes (ora1 and ora2) in Atlantic salmon (*Salmo salar*)." Johnstone, K.A., Lubieniecki, K.P., Chow, W., Phillips, R.B., Koop, B.F. and Davidson, W.S. (2008) *Marine Genomics* 1:23-31.

"Assessing the feasibility of GS FLX Pyrosequencing for sequencing the Atlantic salmon genome." Quinn, N.L., Levenkova, N., Chow, W., Bouffard, P., Boroevich, K.A., Knight, J.R., Jarvie, T.P., Lubieniecki, K.P., Desany, B.A., Koop, B.F., Harkins, T.T. and Davidson, W.S. (2008) *BMC Genomics* 9: 404.

"Isolation, characterization and comparison of Atlantic and Chinook salmon BACs containing growth hormone 1 and 2." von Schalburg, K.R., Yazawa, R., de Boer, J., Lubieniecki, K.P., Goh, B., Straub, C.A., Beetz-Sargent, M.R., Robb, A., Davidson, W.S., Devlin, R.H. and Koop, B.F. (2008) *BMC Genomics* 9:522.

"Microarray analysis reveals differences in expression of cell surface and extracellular matrix components during development of the trout ovary and testis". von Schalburg, K.R., Cooper, G.A., Yazawa, R., Davidson, W.S. and Koop, B.F. (2008) *Comparative Biochemistry and Physiology Part D: Genomics and Proteomics* 3:78-90.

"Striking antigen recognition diversity in the Atlantic salmon T-cell receptor alpha/delta locus". Yazawa, R., Cooper, G.A., Hunt, P., Beetz-Sargent, M., Robb, A., Conrad, M., McKinnel, L., So, S., Jantzen, S., Phillips, R.B., Davidson, W.S. and Koop, B.F. (2008) *Developmental and Comparative Immunology* 32:204-212.

"Distribution of ancestral proto-Actinopterygian chromosome arms within the genomes of 4R-derivative salmonid fishes (Rainbow trout and Atlantic salmon)." Danzmann, R.G., Davidson, E.A., Ferguson, M.M., Gharbi, K., Koop, B.F., Hoyheim, B., Lien, S., Lubieniecki, K.P., Moghadam, H.K., Park, J., Phillips, R.B. and Davidson, W.S. (2008) *BMC Genomics* 9:557.

"A salmonid EST genomic study: genes, duplications, phylogeny and microarrays." Koop, B.F., von Schalburg, K.R., Leong, J., Walker, N., Lieph, R., Cooper, G.A., Robb, A., Beetz-Sargent, M., Holt, R.A., Moore, R., Brahmhatt, S., Rosner, J., Rexroad III, C.E., McGowan, C.R. and Davidson, W.S. (2008) *BMC Genomics* 9:545.

"Expansion of the genomics research on Atlantic salmon (*Salmo salar*) project (GRASP) microarray tools." von Schalburg, K.R., Cooper, G.A., Leong, J., Robb, A., Lieph, R., Rise, M.L., Davidson, W.S. and Koop, B.F. (2008) *Journal of Fish Biology* 72:2051-2070.

## 2007

"Sixteen Type 1 polymorphic microsatellite markers from chinook salmon (*Oncorhynchus tshawytscha*) expressed sequence tags." Wright, J.J., Lubieniecki, K.P., Park, J.W., Ng, S.H.S., Devlin, R.H., Leong, J., Koop, B.F. and Davidson, W.S. (2007) *Animal Genetics* 39:84-85.

"Genomic organization of duplicated major histocompatibility complex class I regions in Atlantic salmon (*Salmo salar*)." Lukacs, M.F., Harstad, H., Grimholt, U., Beetz-Sargent, M., Cooper, G.A., Reid, L., Bakke, H.G., Phillips, R.B., Miller, K.M., Davidson, W.S. and Koop, B.F. (2007) *BMC Genomics*, 8:251  
"The Atlantic Salmon Genome". Moran, P., Verspoor, E. and Davidson, W.S. in "The Atlantic Salmon - Genetics, Conservation and Management" Edited by Verspoor, E., Stradmeyer, L and Nielsen J.L. (2007) Blackwell Publishing Ch 3 pp. 57-85.

"Striking antigen recognition diversity in the Atlantic salmon T-cell receptor alpha/delta locus." Yazawa, R., Cooper, G.A., Hunt P., Beetz-Sargent, M., Robb, A., Conrad, M., McKinnel, L., So, S., Jantzen, S., Phillips, R.B., Davidson, W.S. and Koop, B.F. (2007) *Developmental and Comparative Immunology* 32:204-212.

"Bacterial Artificial Chromosome Libraries and BAC-based Physical Mapping of Aquaculture Genomes" Davidson, W.S. in "Aquaculture Genome Technologies" Edited by Liu, John (2007) Blackwell Publishing Ch 14 pp 247-262.

"An extensive resource of single nucleotide polymorphism markers associated with Atlantic salmon (*Salmo salar*) expressed sequences." Hayes, B., Laerdahl, J.K., Lien, S., Moen, T., Berg, P., Hindar, K., Davidson, W.S., Koop, B.F., Adzhubei, A. and Hoyheim, B. (2007) *Aquaculture* 265: 82-90.

"Bursts and horizontal evolution of DNA transposons in the speciation of pseudotetraploid salmonids".  
de Boer, J.G., Yazawa, R., Davidson, W.S. and Koop, B.F. (2007) BMC Genomics 8:422.

## 2006

"Multiple microarray platforms utilized for hepatic gene expression profiling of growth hormone transgenic coho salmon with and without ration restriction." Rise, M.L., Douglas, S.E., Sakhrani, D., Williams, J., Ewart, K.V., Rise, M., Davidson, W.S., Koop, B.F. and Devlin, R.H. (2006) Journal of Molecular Endocrinology 37:259-282.

"Incident renal events and risk factors in autosomal dominant polycystic disease: a population and family based cohort followed for 22 years." Dicks, E.L., Ravani, P., Langman, D.S., Davidson, W.S., Pei, Y. and Parfrey, P.S. (2006) Clinical Journal of the American Society of Nephrology 1:710-717.

"Conservation of synteny between guppy and Xiphophorus genomes." Brummell, M., Kazianis, S. Davidson, W.S. and Breden, F. (2006) Zebrafish 3:343-353.

"Expression of morphogenic genes in mature ovary and testicular tissues: Potential stem-cell niche markers and patterning factors." Schalburg, K.R.v., McCarthy, S.P., Rise, M.L., Hutson, J.C., Davidson, W.S. and Koop, B.F. (2006) Molecular Reproductive Development 73:142-152.

"Identification of the sex-determining locus of Atlantic salmon (*Salmo salar*) on chromosome 2." Artieri, C.G., Mitchell, L.A., Ng, S.H.S., Parisotto, S.E., Danzmann, R.G., Hoyheim, B., Phillips, R.B., Morasch, M., Koop, B.F. and Davidson, W.S. (2006) Cytogenetics and Genome Research 112:152-159.