

References

- 1 Glover, K. A. *et al.* Half a century of genetic interaction between farmed and wild Atlantic salmon: status of knowledge and unanswered questions. *Fish. Fish.* **Early online DOI: 10.1111/faf.12214** (2017).
- 2 Solberg, M. F., Glover, K. A., Nilsen, F. & Skaala, Ø. Does domestication cause changes in growth reaction norms? A study of farmed, wild and hybrid Atlantic salmon families exposed to environmental stress. *Plos One* **8(1): e54469** (2013).
- 3 Solberg, M. F., Zhang, Z. W., Nilsen, F. & Glover, K. A. Growth reaction norms of domesticated, wild and hybrid Atlantic salmon families in response to differing social and physical environments. *Bmc Evolutionary Biology* **13:234**, doi:10.1186/1471-2148-13-234 (2013).
- 4 Solberg, M. F., Fjelldal, P. G., Nilsen, F. & Glover, K. A. Hatching time and alevin growth prior to the onset of exogenous feeding in farmed, wild and hybrid Norwegian Atlantic salmon. *Plos One* **9(12): e113697**, doi:10.1371/journal.pone.0113697 (2014).
- 5 Solberg, M. F., Zhang, Z. & Glover, K. A. Are farmed salmon more prone to risk than wild salmon? Susceptibility of juvenile farm, hybrid and wild Atlantic salmon *Salmo salar* L. to an artificial predator. *Applied Animal Behaviour Science* **162**, 67-80 (2015).
- 6 Solberg, M. F., Dyrhovden, L., Matre, I. H. & Glover, K. A. Thermal plasticity in farmed, wild and hybrid Atlantic salmon during early development: has domestication caused divergence in low temperature tolerance? *Bmc Evolutionary Biology* **16:38**, doi:10.1186/s12862-016-0607-2 (2016).
- 7 Harvey, A. C. *et al.* Plasticity in growth of farmed and wild Atlantic salmon: is the increased growth rate of farmed salmon caused by evolutionary adaptations to the commercial diet? *Bmc Evolutionary Biology* **16**, 13, doi:10.1186/s12862-016-0841-7 (2016).
- 8 Harvey, A. C., Fjelldal, P. G., Solberg, M. F., Hansen, T. & Glover, K. A. Ploidy elicits a whole-genome dosage effect: growth of triploid Atlantic salmon is linked to the genetic origin of the second maternal chromosome set. *BMC Genet.* **18**, 12, doi:10.1186/s12863-017-0502-x (2017).
- 9 Glover, K. A. *et al.* A comparison of farmed, wild and hybrid Atlantic salmon (*Salmo salar* L.) reared under farming conditions. *Aquaculture* **286**, 203-210, doi:10.1016/j.aquaculture.2008.09.023 (2009).
- 10 Skaala, O., Wennevik, V. & Glover, K. A. Evidence of temporal genetic change in wild Atlantic salmon, *Salmo salar* L., populations affected by farm escapees. *Ices Journal of Marine Science* **63**, 1224-1233, doi:DOI 10.1016/j.icesjms.2006.04.005 (2006).
- 11 Glover, K. A. *et al.* Three decades of farmed escapees in the wild: A spatio-temporal analysis of population genetic structure throughout Norway. *Plos One* **7(8): e43129** (2012).
- 12 Glover, K. A. *et al.* Atlantic salmon populations invaded by farmed escapees: quantifying genetic introgression with a Bayesian approach and SNPs. *BMC Genet.* **14:4**, doi:doi:10.1186/1471-2156-14-74 (2013).
- 13 Heino, M., Svåsand, T., Wennevik, V. & Glover, K. A. Genetic introgression of farmed salmon in native populations: quantifying the relative influence of population size and frequency of escapees. *Aquaculture Environment Interactions* **6**, 185-190, doi:10.3354/aei00126 (2015).
- 14 Skilbrei, O. T. Adult recaptures of farmed Atlantic salmon post-smolts allowed to escape during summer. *Aquaculture Environment Interactions* **1**, 147-153, doi:10.3354/aei00017 (2010).
- 15 Skilbrei, O. T., Holst, J. C., Asplin, L. & Mortensen, S. Horizontal movements of simulated escaped farmed Atlantic salmon (*Salmo salar*) in a western Norwegian fjord. *Ices Journal of Marine Science* **67**, 1206-1215, doi:10.1093/icesjms/fsq027 (2010).
- 16 Skilbrei, O. T. Reduced migratory performance of farmed Atlantic salmon post-smolts from a simulated escape during autumn. *Aquaculture Environment Interactions* **1**, 117-125, doi:10.3354/aei00013 (2010).

- 17 Skilbrei, O. T., Heino, M. & Svåsand, T. Using simulated escape events to assess the annual numbers and destinies of escaped farmed Atlantic salmon of different life stages, from farms sites in Norway. *Ices Journal of Marine Science* **72**, 670-685 (2015).
- 18 Skaala, Ø. et al. Performance of farmed, hybrid, and wild Atlantic salmon (*Salmo salar*) families in a natural river environment. *Canadian Journal of Fisheries and Aquatic Sciences* **69**, 1994-2006, doi:10.1139/f2012-118 (2012).
- 19 Skaala, O., Glover, K. A., Barlaup, B. T. & Borgstrom, R. Microsatellite DNA used for parentage identification of partly digested Atlantic salmon (*Salmo salar*) juveniles through non-destructive diet sampling in salmonids. *Marine Biology Research* **10**, 323-328, doi:10.1080/17451000.2013.810757 (2014).
- 20 Besnier, F. et al. Identification of quantitative genetic components of fitness variation in farmed, hybrid and native salmon in the wild. *Heredity* **115**, 47-55, doi:10.1038/hdy.2015.15 (2015).
- 21 Bicskei, B., Bron, J. E., Glover, K. A. & Taggart, J. B. A comparison of gene transcription profiles of domesticated and wild Atlantic salmon (*Salmo salar* L.) at early life stages, reared under controlled conditions. *Bmc Genomics* **15:884**, doi:doi:10.1186/1471-2164-15-884 (2014).
- 22 Bicskei, B., Taggart, J. B., Glover, K. A. & Bron, J. E. Comparing the transcriptomes of embryos from domesticated and wild Atlantic salmon (*Salmo salar* L.) stocks and examining factors that influence heritability of gene expression. *Genetics Selection Evolution* **48**, 1-16, doi:10.1186/s12711-016-0200-6 (2016).
- 23 Anon. Rømt oppdrettslaks i vassdrag. Rapport fra det nasjonale overvåkningsprogrammet 2016. *Fisken og Havet, særnummer 2b-2017* (2017).
- 24 Madhun, A. S. et al. The ecological profile of Atlantic salmon escapees entering a river throughout an entire season: diverse in escape history and genetic background, but frequently virus-infected. *Ices Journal of Marine Science* **74**, 1371-1381, doi:10.1093/icesjms/fsw243 (2017).
- 25 Quintela, M. et al. Siblingship tests connect two seemingly independent farmed Atlantic salmon escape events. *Aquaculture Environment Interactions* **8**, 497-509 (2016).
- 26 Dahle, G. Cod, *Gadus morhua* L, populations identified by mitochondrial DNA. *Journal of Fish Biology* **38**, 295-303, doi:10.1111/j.1095-8649.1991.tb03115.x (1991).
- 27 Dahle, G. & Jorstad, K. E. Hemoglobin variation in cod - a reliable marker for Arctic cod (*Gadus morhua* L). *Fish Res.* **16**, 301-311, doi:10.1016/0165-7836(93)90143-u (1993).
- 28 Knutsen, H., Jorde, P. E., Andre, C. & Stenseth, N. C. Fine-scaled geographical population structuring in a highly mobile marine species: the Atlantic cod. *Molecular Ecology* **12**, 385-394, doi:10.1046/j.1365-294X.2003.01750.x (2003).
- 29 Knutsen, H. et al. Transport of North Sea cod larvae into the Skagerrak coastal populations. *Proceedings of the Royal Society B-Biological Sciences* **271**, 1337-1344, doi:10.1098/rspb.2004.2721 (2004).
- 30 Knutsen, H. et al. Are low but statistically significant levels of genetic differentiation in marine fishes 'biologically meaningful'? A case study of coastal Atlantic cod. *Molecular Ecology* **20**, 768-783, doi:10.1111/j.1365-294X.2010.04979.x (2011).
- 31 Knutsen, H. et al. Climate Change and Genetic Structure of Leading Edge and Rear End Populations in a Northwards Shifting Marine Fish Species, the Corkwing Wrasse (*Syphodus melops*). *Plos One* **8**, doi:10.1371/journal.pone.0067492 (2013).
- 32 Jorde, P. E., Knutsen, H., Espeland, S. H. & Stenseth, N. C. Spatial scale of genetic structuring in coastal cod *Gadus morhua* and geographic extent of local populations. *Marine Ecology Progress Series* **343**, 229-237, doi:10.3354/meps06922 (2007).
- 33 Sodeland, M. et al. "Islands of Divergence" in the Atlantic Cod Genome Represent Polymorphic Chromosomal Rearrangements. *Genome Biol. Evol.* **8**, 1012-1022, doi:10.1093/gbe/evw057 (2016).

- 34 Wennevik, V., Jorstad, K. E., Dahle, G. & Fevolden, S. E. Mixed stock analysis and the power of different classes of molecular markers in discriminating coastal and oceanic Atlantic cod (*Gadus morhua* L.) on the Lofoten spawning grounds, Northern Norway. *Hydrobiologia* **606**, 7-25, doi:10.1007/s10750-008-9349-5 (2008).
- 35 Ottera, H. *et al.* Is spawning time of marine fish imprinted in the genes? A two-generation experiment on local Atlantic cod (*Gadus morhua* L.) populations from different geographical regions. *Ices Journal of Marine Science* **69**, 1722-1728, doi:10.1093/icesjms/fss135 (2012).
- 36 Westgaard, J. I. & Fevolden, S. E. Atlantic cod (*Gadus morhua* L.) in inner and outer coastal zones of northern Norway display divergent genetic signature at non-neutral loci. *Fish Res.* **85**, 306-315, doi:10.1016/j.fishres.2007.04.001 (2007).
- 37 Glover, K. A., Dahle, G. & Jorstad, K. E. Genetic identification of farmed and wild Atlantic cod, *Gadus morhua*, in coastal Norway. *Ices Journal of Marine Science* **68**, 901-910, doi:10.1093/icesjms/fsr048 (2011).
- 38 Kirubakaran, T. G. *et al.* Two adjacent inversions maintain genomic differentiation between migratory and stationary ecotypes of Atlantic cod. *Molecular Ecology* **25**, 2130-2143, doi:10.1111/mec.13592 (2016).
- 39 Johansen, T., Repolho, T., Hellebo, A. & Raae, A. J. Strict conservation of the ITS regions of the ribosomal RNA genes in Atlantic cod (*Gadus morhua* L.). *DNA Seq.* **17**, 107-114, doi:10.1080/10425170600624701 (2006).
- 40 Michalsen, K., Johansen, T., Subbey, S. & Beck, A. Linking tagging technology and molecular genetics to gain insight in the spatial dynamics of two stocks of cod in Northeast Atlantic waters. *Ices Journal of Marine Science* **71**, 1417-1432, doi:10.1093/icesjms/fsu083 (2014).
- 41 Varne, R. *et al.* Farmed cod escapees and net-pen spawning left no clear genetic footprint in the local wild cod population. *Aquaculture Environment Interactions* **7**, 253-266, doi:10.3354/aei00153 (2015).
- 42 Westgaard, J. I. *et al.* Large and fine scale population structure in European hake (*Merluccius merluccius*) in the Northeast Atlantic. *Ices Journal of Marine Science* **74**, 1300-1310, doi:10.1093/icesjms/fsw249 (2017).
- 43 Knutsen, H., Jorde, P. E., Bergstad, O. A. & Skogen, M. Population genetic structure in a deepwater fish *Coryphaenoides rupestris*: patterns and processes. *Marine Ecology Progress Series* **460**, 233-246, doi:10.3354/meps09728 (2012).
- 44 Catarino, D. *et al.* The role of the Strait of Gibraltar in shaping the genetic structure of the Mediterranean Grenadier, *Coryphaenoides mediterraneus*, between the Atlantic and Mediterranean Sea. *Plos One* **12**, 24, doi:10.1371/journal.pone.0174988 (2017).
- 45 Saha, A. *et al.* Geographic extent of introgression in *Sebastes mentella* and its effect on genetic population structure. *Evolutionary Applications* **10**, 77-90, doi:10.1111/eva.12429 (2017).
- 46 Johansen, T., Danielsdottir, A. K., Meland, K. & Naevdal, G. Studies of the genetic relationship between deep-sea and oceanic *Sebastes mentella* in the Irminger Sea. *Fish Res.* **49**, 179-192, doi:10.1016/s0165-7836(00)00193-4 (2000).
- 47 Saha, A. *et al.* Cryptic *Sebastes norvegicus* species in Greenland waters revealed by microsatellites. *Ices Journal of Marine Science* doi:10.1093/icesjms/fsx039 (2017).
- 48 Johansen, T., Naevdal, G., Danielsdottir, A. K. & Hareide, N. R. Genetic characterisation of giant *Sebastes* in the deep water slopes in the Irminger Sea. *Fish Res.* **45**, 207-216, doi:10.1016/s0165-7836(99)00132-0 (2000).
- 49 Johansen, T., Danielsdottir, A. K. & Naevdal, G. Genetic variation of *Sebastes viviparus* Kroyer in the North Atlantic. *Journal of Applied Ichthyology* **18**, 177-180, doi:10.1046/j.1439-0426.2002.00320.x (2002).
- 50 Johansen, T. & Dahle, G. Discrimination among species of the genus *Sebastes* in the North Atlantic by random amplified polymorphic DNA. *Sarsia* **89**, 478-483, doi:10.1080/00364820410002695 (2004).

- 51 Saha, A. *et al.* Seascape genetics of saithe (*Pollachius virens*) across the North Atlantic using single nucleotide polymorphisms. *Ices Journal of Marine Science* **72**, 2732-2741, doi:10.1093/icesjms/fsv139 (2015).
- 52 Westgaard, J. I. *et al.* Genetic population structure in Greenland halibut (*Reinhardtius hippoglossoides*) and its relevance to fishery management. *Canadian Journal of Fisheries and Aquatic Sciences* **74**, 475-485, doi:10.1139/cjfas-2015-0430 (2017).
- 53 Knutsen, H., Jorde, P. E., Albert, O. T., Hoelzel, A. R. & Stenseth, N. C. Population genetic structure in the North Atlantic Greenland halibut (*Reinhardtius hippoglossoides*): influenced by oceanic current systems? *Canadian Journal of Fisheries and Aquatic Sciences* **64**, 857-866, doi:10.1139/f07-070 (2007).
- 54 Johansen, T. & Naevdal, G. Genetic analysis of population structure of tusk in the North Atlantic. *Journal of Fish Biology* **47**, 226-242, doi:10.1111/j.1095-8649.1995.tb06058.x (1995).
- 55 Knutsen, H. *et al.* Bathymetric barriers promoting genetic structure in the deepwater demersal fish tusk (*Brosme brosme*). *Molecular Ecology* **18**, 3151-3162, doi:10.1111/j.1365-294X.2009.04253.x (2009).
- 56 Gonzalez, E. B., Knutsen, H., Jorde, P. E., Glover, K. A. & Bergstad, O. A. Genetic analyses of ling (*Molva molva*) in the Northeast Atlantic reveal patterns relevant to stock assessments and management advice. *Ices Journal of Marine Science* **72**, 635-641, doi:10.1093/icesjms/fsu135 (2015).
- 57 Quintela, M. *et al.* Isolation and characterization of twenty microsatellite loci for the ballan wrasse, *Labrus bergylta*. *Conserv. Genet. Resour.* **6**, 425-428, doi:10.1007/s12686-013-0114-3 (2014).
- 58 Quintela, M. *et al.* Is the ballan wrasse (*Labrus bergylta*) two species? Genetic analysis reveals within-species divergence associated with plain and spotted morphotype frequencies. *Integr. Zool.* **11**, 162-172, doi:10.1111/1749-4877.12186 (2016).
- 59 Jansson, E. *et al.* Development of SNP and microsatellite markers for goldsinny wrasse (*Ctenolabrus rupestris*) from ddRAD sequencing data. *Conserv. Genet. Resour.* **8**, 201-206, doi:10.1007/s12686-016-0532-0 (2016).
- 60 Jansson, E. *et al.* Genetic analysis of goldsinny wrasse reveals evolutionary insights into population connectivity and potential evidence of inadvertent translocation via aquaculture. *Ices Journal of Marine Science* <https://doi.org/10.1093/icesjms/fsx046> (2017).
- 61 Gonzalez, E. B., Knutsen, H. & Jorde, P. E. Habitat Discontinuities Separate Genetically Divergent Populations of a Rocky Shore Marine Fish. *Plos One* **11**, 17, doi:10.1371/journal.pone.0163052 (2016).
- 62 Jorde, P. E. *et al.* Genetically distinct populations of northern shrimp, *Pandalus borealis*, in the North Atlantic: adaptation to different temperatures as an isolation factor. *Molecular Ecology* **24**, 1742-1757, doi:10.1111/mec.13158 (2015).
- 63 Knutsen, H. *et al.* Does population genetic structure support present management regulations of the northern shrimp (*Pandalus borealis*) in Skagerrak and the North Sea? *Ices Journal of Marine Science* **72**, 863-871, doi:10.1093/icesjms/fsu204 (2015).
- 64 Glover, K. A. *et al.* Population genetic structure of the parasitic copepod *Lepeophtheirus salmonis* throughout the Atlantic. *Marine Ecology Progress Series* **427**, 161-172, doi:10.3354/meps09045 (2011).
- 65 Besnier, F. *et al.* Human-induced evolution caught in action: SNP-array reveals rapid amphi-atlantic spread of pesticide resistance in the salmon ectoparasite *Lepeophtheirus salmonis*. *Bmc Genomics* **15**, doi:10.1186/1471-2164-15-937 (2014).
- 66 Wennevik, V., Skaala, O., Titov, S. F., Studyonov, I. & Naevdal, G. Microsatellite variation in populations of Atlantic salmon from North Europe. *Environmental Biology of Fishes* **69**, 143-152 (2004).

- 67 Skaala, O. GENETIC POPULATION-STRUCTURE OF NORWEGIAN BROWN TROUT. *Journal of Fish Biology* **41**, 631-646, doi:10.1111/j.1095-8649.1992.tb02690.x (1992).
- 68 Hovgaard, K., Skaala, O. & Naevdal, G. Genetic differentiation among sea trout, *Salmo trutta* L., populations from western Norway. *Journal of Applied Ichthyology* **22**, 57-61, doi:10.1111/j.1439-0426.2006.00713.x (2006).
- 69 Hansen, M. M., Skaala, O., Jensen, L. F., Bekkevold, D. & Mensberg, K. L. D. Gene flow, effective population size and selection at major histocompatibility complex genes: brown trout in the Hardanger Fjord, Norway. *Molecular Ecology* **16**, 1413-1425, doi:10.1111/j.1365-294X.2007.03255.x (2007).
- 70 Knutsen, H., Knutsen, J. A. & Jorde, P. E. Genetic evidence for mixed origin of recolonized sea trout populations. *Heredity* **87**, 207-214, doi:10.1046/j.1365-2540.2001.00907.x (2001).
- 71 Quintela, M. et al. Investigating Population Genetic Structure in a Highly Mobile Marine Organism: The Minke Whale *Balaenoptera acutorostrata acutorostrata* in the North East Atlantic. *Plos One* **9**, doi:10.1371/journal.pone.0108640 (2014).
- 72 Catarino, D. et al. The Pillars of Hercules as a bathymetric barrier to gene flow promoting isolation in a global deep-sea shark (*Centroscymnus coelolepis*). *Molecular Ecology* **24**, 6061-6079, doi:10.1111/mec.13453 (2015).
- 73 Huserbraten, M. B. O. et al. Conservation, Spillover and Gene Flow within a Network of Northern European Marine Protected Areas. *Plos One* **8**, 10, doi:10.1371/journal.pone.0073388 (2013).
- 74 Jorstad, K. E. et al. Sub-arctic populations of European lobster, *Homarus gammarus*, in northern Norway. *Environmental Biology of Fishes* **69**, 223-231, doi:10.1023/b:ebfi.0000022899.52578.37 (2004).
- 75 Jorstad, K. E. et al. Comparison of genetic and morphological methods to detect the presence of American lobsters, *Homarus americanus* H. Milne Edwards, 1837 (Astacidea : Nephropidae) in Norwegian waters. *Hydrobiologia* **590**, 103-114, doi:10.1007/s10750-007-0762-y (2007).
- 76 Malde, K. et al. Whole genome resequencing reveals diagnostic markers for investigating global migration and hybridization between minke whale species. *Bmc Genomics* **18**, 11, doi:10.1186/s12864-016-3416-5 (2017).
- 77 Moland, E. et al. Lobster and cod benefit from small-scale northern marine protected areas: inference from an empirical before - after control-impact study. *Proceedings of the Royal Society B-Biological Sciences* **280**, 9, doi:10.1098/rspb.2012.2679 (2013).
- 78 Moland, E., Ulmestrød, M., Olsen, E. M. & Stenseth, N. C. Long-term decrease in sex-specific natural mortality of European lobster within a marine protected area. *Marine Ecology Progress Series* **491**, 153-+, doi:10.3354/meps10459 (2013).
- 79 Fernandez-Chacon, A., Moland, E., Espeland, S. H. & Olsen, E. M. Demographic effects of full vs. partial protection from harvesting: inference from an empirical before-after control-impact study on Atlantic cod. *Journal of Applied Ecology* **52**, 1206-1215, doi:10.1111/1365-2664.12477 (2015).
- 80 Moland, E. et al. Activity patterns of wild European lobster *Homarus gammarus* in coastal marine reserves: implications for future reserve design. *Marine Ecology Progress Series* **429**, 197-207, doi:10.3354/meps09102 (2011).
- 81 Villegas-Rios, D., Moland, E. & Olsen, E. M. Potential of contemporary evolution to erode fishery benefits from marine reserves. *Fish. Fish.* **18**, 571-577, doi:10.1111/faf.12188 (2017).
- 82 Glover, K. A., Nilsen, F., Skaala, O., Taggart, J. B. & Teale, A. J. Differences in susceptibility to sea lice infection between a sea run and a freshwater resident population of brown trout. *Journal of Fish Biology* **59**, 1512-1519 (2001).
- 83 Glover, K. A. et al. Differing susceptibility of anadromous brown trout (*Salmo trutta* L.) populations to salmon louse (*Lepeophtheirus salmonis* (Kroyer, 1837)) infection. *Ices Journal of Marine Science* **60**, 1139-1148, doi:10.1016/S1054-3139(03)00088-2 (2003).

- 84 Glover, K. A., Aasmundstad, T., Nilsen, F., Storset, A. & Skaala, O. Variation of Atlantic salmon families (*Salmo salar* L.) in susceptibility to the sea lice *Lepeophtheirus salmonis* and *Caligus elongatus*. *Aquaculture* **245**, 19-30, doi:DOI 10.1016/j.aquaculture.2004.11.047 (2005).
- 85 Glover, K. A. *et al.* The frequency of spontaneous triploidy in farmed Atlantic salmon produced in Norway during the period 2007-2014. *BMC Genet.* **16:37**, doi:10.1186/s12863-015-0193-0 (2015).
- 86 Glover, K. A. *et al.* Genetic screening of farmed Atlantic salmon escapees demonstrates that triploid fish display reduced migration to freshwater. *Biol. Invasions* **18**, 1287-1294 (2016).
- 87 Skilbrei, O. T. *et al.* Impact of early salmon louse, *Lepeophtheirus salmonis*, infestation and differences in survival and marine growth of sea-ranchered Atlantic salmon, *Salmo salar* L., smolts 19972009. *Journal of Fish Diseases* **36**, 249-260, doi:10.1111/jfd.12052 (2013).
- 88 Vollset, K. W., Barlaup, B. T., Skoglund, H., Normann, E. S. & Skilbrei, O. T. Salmon lice increase the age of returning Atlantic salmon (vol 10, 20130896, 2014). *Biol. Lett.* **10**, doi:10.1098/rsbl.2014.0085 (2014).
- 89 Skaala, O., Kalas, S. & Borgstrom, R. Evidence of salmon lice-induced mortality of anadromous brown trout (*Salmo trutta*) in the Hardangerfjord, Norway. *Marine Biology Research* **10**, 279-288, doi:10.1080/17451000.2013.810756 (2014).
- 90 Harvey, A. C., Tang, Y. K., Wennevik, V., Skaala, O. & Glover, K. A. Timing is everything: Fishing-season placement may represent the most important angling-induced evolutionary pressure on Atlantic salmon populations. *Ecol. Evol.* **7**, 7490-7502, doi:10.1002/ece3.3304 (2017).
- 91 Ljungfeldt, L. E. R., Espedal, P. G., Nilsen, F., Skern-Mauritzen, M. & Glover, K. A. A common-garden experiment to quantify evolutionary processes in copepods: the case of emamectin benzoate resistance in the parasitic sea louse *Lepeophtheirus salmonis*. *Bmc Evolutionary Biology* **14**, doi:10.1186/1471-2148-14-108 (2014).
- 92 Olsen, E. M., Heupel, M. R., Simpfendorfer, C. A. & Moland, E. Harvest selection on Atlantic cod behavioral traits: implications for spatial management. *Ecol. Evol.* **2**, 1549-1562, doi:10.1002/ece3.244 (2012).
- 93 Freitas, C., Olsen, E. M., Moland, E., Ciannelli, L. & Knutsen, H. Behavioral responses of Atlantic cod to sea temperature changes. *Ecol. Evol.* **5**, 2070-2083, doi:10.1002/ece3.1496 (2015).
- 94 Freitas, C., Olsen, E. M., Knutsen, H., Albretsen, J. & Moland, E. Temperature-associated habitat selection in a cold-water marine fish. *Journal of Animal Ecology* **85**, 628-637, doi:10.1111/1365-2656.12458 (2016).
- 95 Fjelldal, P. G. *et al.* Salmonid fish: model organisms to study cardiovascular morphogenesis in conjoined twins? *BMC Dev. Biol.* **16**, 10, doi:10.1186/s12861-016-0125-x (2016).
- 96 Gilbey, J. *et al.* Genetic stock identification of Atlantic salmon caught in the Faroese fishery. *Fish Res.* **187**, 110-119, doi:10.1016/j.fishres.2016.11.020 (2017).
- 97 Glover, K. A. *et al.* The Norwegian minke whale DNA register: a database monitoring commercial harvest and trade of whale products. *Fish. Fish.* **13**, 313-332 (2012).
- 98 Glover, K. A. *et al.* Migration of Antarctic Minke Whales to the Arctic. *Plos One* **5**, doi:e15197 10.1371/journal.pone.0015197 (2010).
- 99 Glover, K. A. *et al.* Hybrids between common and Antarctic minke whales are fertile and can back-cross. *BMC Genet.* **14**, doi:10.1186/1471-2156-14-25 (2013).
- 100 Leclerc, L. M. *et al.* Greenland sharks (*Somniosus microcephalus*) scavenge offal from minke (*Balaenoptera acutorostrata*) whaling operations in Svalbard (Norway). *Polar Research In press* (2011).
- 101 Jorstad, K. E. *et al.* Communal larval rearing of European lobster (*Homarus gammarus*): Family identification by microsatellite DNA profiling and offspring fitness comparisons. *Aquaculture* **247**, 275-285, doi:10.1016/j.aquaculture.2005.02.025 (2005).

- 102 Andre, C. & Knutsen, H. Development of twelve novel microsatellite loci in the European lobster (*Homarus gammarus*). *Conserv. Genet. Resour.* **2**, 233-236, doi:10.1007/s12686-009-9151-3 (2010).
- 103 Glover, K. A., Skilbrei, O. T. & Skaala, O. Genetic assignment identifies farm of origin for Atlantic salmon *Salmo salar* escapees in a Norwegian fjord. *Ices Journal of Marine Science* **65**, 912-920, doi:10.1093/icesjms/fsn056 (2008).
- 104 Glover, K. A. Forensic identification of fish farm escapees: the Norwegian experience. *Aquaculture Environment Interactions* **1**, 1-10 (2010).
- 105 Glover, K. A. Genetic characterisation of farmed rainbow trout in Norway: intra- and inter-strain variation reveals potential for identification of escapees. *BMC Genet.* **9** (87), doi:87 10.1186/1471-2156-9-87 (2008).
- 106 Glover, K. A. *et al.* Genetic diversity within and among Atlantic cod (*Gadus morhua*) farmed in marine cages: a proof-of-concept study for the identification of escapees. *Animal Genetics* **41**, 515-522, doi:10.1111/j.1365-2052.2010.02025.x (2010).
- 107 Glover, K. A., Sørvik, A. G. E., Karlsbakk, E., Zhang, Z. & Skaala, Ø. Molecular Genetic Analysis of Stomach Contents Reveals Wild Atlantic Cod Feeding on Piscine Reovirus (PRV) Infected Atlantic Salmon Originating from a Commercial Fish Farm. *Plos One* **8**, e60924, doi:10.1371/journal.pone.0060924 (2013).
- 108 Madhun, A. S. *et al.* Potential disease interaction reinforced: double-virus infected escaped farmed Atlantic salmon, *Salmo salar* L., recaptured in a nearby river. *Journal of Fish Diseases* **38**, 209-219 (2015).
- 109 Taranger, G. L. *et al.* Risk assessment of the environmental impact of Norwegian Atlantic salmon farming. *Ices Journal of Marine Science* **72**, 997-1021, doi:10.1093/icesjms/fsu132 (2015).
- 110 Besnier, F. & Glover, K. A. ParallelStructure: A R package to distribute parallel runs of the population genetics program Strcuture on multi-core computers. *Plos One* **8**(7): e70651 (2013).
- 111 Castellani, M. *et al.* IBSEM: An Individual-Based Atlantic Salmon Population Model. *Plos One* **10**(9): e0138444, doi:10.1371/journal.pone.0138444 (2015).
- 112 Solberg, M. F., Kvamme, B. O., Nilsen, F. & Glover, K. A. Effects of environmental stress on mRNA expression levels of seven genes related to oxidative stress and growth in Atlantic salmon *Salmo salar* L. of farmed, hybrid and wild origin *Bmc Research Notes* **5**:672 (2012).
- 113 Fjelldal, P. G., Wennevik, V., Fleming, I. A., Hansen, T. & Glover, K. A. Triploid (sterile) farmed Atlantic salmon males attempt to spawn with wild females. *Aquaculture Environment Interactions* **5**, 155-162, doi:10.3354/aei00102 (2014).
- 114 Harvey, A., Glover, K. A., Taylor, M. I., Creer, S. & Carvalho, G. R. A common garden design reveals population-specific variability in potential impacts of hybridization between populations of farmed and wild Atlantic salmon, *Salmo salar* L. *Evolutionary Applications* **9**, 435-449 (2016).
- 115 Harvey, A. *et al.* Does density influence relative growth performance of farmed, wild, and F1 hybrid Atlantic salmon in semi-natural and hatchery common garden conditions? *Royal Society Open Science* **3**: 160152 (2016).
- 116 Harvey, A. *et al.* Plasticity in response to feed availability - does feeding regime influence the relative growth performance of domesticated, wild and hybrid Atlantic salmon *Salmo salar* parr? *Journal of Fish Biology* **In press** (2016).
- 117 Ayllon, F. *et al.* The vgl13 Locus Controls Age at Maturity in Wild and Domesticated Atlantic Salmon (*Salmo salar* L.) Males. *Plos Genetics* **11**(11): e1005628, doi:10.1371/journal.pgen.1005628 (2015).