

Et utvalg av vitenskapelige publikasjoner (2013-2017)

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- 2 Kleppe, L. *et al.* Cortisol treatment of prespawning female cod affects cytogenesis related factors in eggs and embryos. *General and comparative endocrinology* **189**, 84-95, doi:10.1016/j.ygcen.2013.04.028 (2013).
- 3 Kleppe, L., Wargelius, A., Johnsen, H., Andersson, E. & Edvardsen, R. B. Gonad specific genes in Atlantic salmon (*Salmo salar* L.): characterization of *tdrd7-2*, *dazl-2*, *piwil1* and *tdrd1* genes. *Gene* **560**, 217-225, doi:10.1016/j.gene.2015.02.008 (2015).
- 4 Fjelldal, P. G. *et al.* Salmonid fish: model organisms to study cardiovascular morphogenesis in conjoined twins? *BMC developmental biology* **16**, doi:ARTN 25 10.1186/s12861-016-0125-x (2016).
- 5 Sorhus, E. *et al.* Developmental transcriptomics in Atlantic haddock: Illuminating pattern formation and organogenesis in non-model vertebrates. *Developmental biology* **411**, 301-313, doi:10.1016/j.ydbio.2016.02.012 (2016).
- 6 Melo, M. C. *et al.* Salinity and photoperiod modulate pubertal development in Atlantic salmon (*Salmo salar*). *Journal of Endocrinology* **220**, 319-332, doi:10.1530/Joe-13-0240 (2014).
- 7 Ayllon, F. *et al.* The *vgl13* Locus Controls Age at Maturity in Wild and Domesticated Atlantic Salmon (*Salmo salar* L.) Males. *PLoS genetics* **11**, e1005628, doi:10.1371/journal.pgen.1005628 (2015).
- 8 Kleppe, L. *et al.* Sex steroid production associated with puberty is absent in germ cell-free salmon. *Scientific reports* **7**, 12584, doi:10.1038/s41598-017-12936-w (2017).
- 9 van der Meeren, T., Karlsen, O., Mangor-Jensen, A., Ronnestad, I. & Hamre, K. Copepods enhance growth and development in Atlantic cod (*Gadus morhua* L.) larvae. *Communications in agricultural and applied biological sciences* **78**, 461-464 (2013).
- 10 Fraser, T. W. K. *et al.* The effect of triploidy on the culture performance, deformity prevalence, and heart morphology in Atlantic salmon. *Aquaculture* **416**, 255-264, doi:10.1016/j.aquaculture.2013.09.034 (2013).
- 11 Melo, M. C. *et al.* Androgens directly stimulate spermatogonial differentiation in juvenile Atlantic salmon (*Salmo salar*). *General and comparative endocrinology* **211**, 52-61, doi:10.1016/j.ygcen.2014.11.015 (2015).
- 12 Skafnesmo, K. O. *et al.* Integrative testis transcriptome analysis reveals differentially expressed miRNAs and their mRNA targets during early puberty in Atlantic salmon. *BMC genomics* **18**, doi:ArtN 801 10.1186/S12864-017-4205-5 (2017).
- 13 Wargelius, A. *et al.* *Dnd* knockout ablates germ cells and demonstrates germ cell independent sex differentiation in Atlantic salmon. *Scientific reports* **6**, 21284, doi:10.1038/srep21284 (2016).
- 14 Vikingstad, E. *et al.* Effects of temperature on the final stages of sexual maturation in Atlantic salmon (*Salmo salar* L.). *Fish physiology and biochemistry* **42**, 895-907, doi:10.1007/s10695-015-0183-1 (2016).
- 15 Norberg, B. *et al.* Effects of dietary arachidonic acid on the reproductive physiology of female Atlantic cod (*Gadus morhua* L.). *General and comparative endocrinology* **250**, 21-35, doi:10.1016/j.ygcen.2017.05.020 (2017).
- 16 Taranger, G. L., Muncaster, S., Norberg, B., Thorsen, A. & Andersson, E. Environmental impacts on the gonadotropic system in female Atlantic salmon (*Salmo salar*) during vitellogenesis: Photothermal effects on pituitary gonadotropins, ovarian gonadotropin receptor expression, plasma sex steroids and oocyte growth. *General and comparative endocrinology* **221**, 86-93, doi:10.1016/j.ygcen.2015.02.008 (2015).
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- 20 Sorhus, E. *et al.* Unexpected interaction with dispersed crude oil droplets drives severe toxicity in Atlantic haddock embryos. *PLoS one* **10**, e0124376, doi:10.1371/journal.pone.0124376 (2015).
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salmon (*Salmo salar* L.) using the CRISPR/Cas9 system induces complete knockout individuals in the F0 generation.
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