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- L. Mirimin, B. Macey, S. Kerwath, S. Lamberth, A.E. Bester-van der Merwe, P. Cowley, P. Bloomer, R. Roodt-Wilding. 2016. Genetic analyses of overfished silver kob *Argyrosomus inodorus* (Scieanidae) stocks along the southern African coast. **Fisheries Research 176: 100 – 106**
- L. Mirimin, S. Kerwath, B. Macey, S. Lamberth, A.E. Bester-van der Merwe, P. Cowley, P. Bloomer, R. Roodt-Wilding. 2016. Genetic analyses reveal declining trends and low effective population size in an overfished South African sciaenid species, the dusky kob (*Argyrosomus japonicus*). **Marine and Freshwater Research 67: 266 – 276**
- L. Sandenbergh, S.W.P. Cloete, R. Roodt-Wilding, M.A. Snyman, and A.E. Van der Merwe. 2015. Genetic diversity and population structure of four South African sheep breeds. **Proceedings of the Conference of the Association for the Advancement of Animal Breeding and Genetics 21: 294 – 297**
- D.N. Bitalo, S.N. Maduna, C. da Silva, R. Roodt-Wilding, A.E. Bester-van der Merwe. 2015. Differential gene flow patterns for two commercially exploited shark species, tope (*Galeorhinus galeus*) and common smoothhound (*Mustelus mustelus*) along the south-west coast of South Africa. **Fisheries Research 172: 190 – 196**
- B.L. Swart, A.E. van der Merwe, S. von der Heyden, R. Roodt-Wilding. 2015. Molecular systematics and biogeography of the circumglobally distributed genus *Seriola* (Pisces: Carangidae). **Molecular Phylogenetics and Evolution 93: 274 – 280**
- L. Mirimin, N. Kitchin, N.D. Impson, P.F. Clark, J. Richards, S. Daniels, R. Roodt-Wilding. 2015. Genetic and morphologic characterization of *Caridina africana* (Kingsley, 1882) reveals the presence of alien shrimps in the Cape Floristic Region, South Africa. **Journal of Heredity 106: 711 – 718**
- B. Picone, C. Rhode, R. Roodt-Wilding. 2015. Domain repeats related to innate immunity in the South African abalone, *Haliotis midae*. **Marine Genomics 23: 41 – 43**
- B. Picone, C. Rhode, R. Roodt-Wilding. 2015. Transcriptome profiles of wild and cultured abalone. **Marine Genomics 20: 3 – 6**
- L. Mirimin, R. Roodt-Wilding. 2015. Testing and validating a modified CTAB DNA extraction method to enable molecular parentage analysis of eggs and larvae of an emerging South African aquaculture species, the dusky kob (*Argyrosomus japonicus*). **Journal of Fish Biology 86: 1218 – 1223**
- S.N. Maduna, C. Rossouw, R. Roodt-Wilding, A.E. Bester-van der Merwe. 2014. Microsatellite cross-species amplification and utility in Southern African elasmobranchs: A valuable resource for fisheries management and conservation. **BMC Research Notes 7: 352**
- L. Mirimin, S.E. Kerwath, M.B. Macey, A. Bester-van der Merwe, S.J. Lamberth, P. Bloomer, R. Roodt-Wilding. 2014. Identification of naturally occurring hybrids between two overexploited sciaenid species along the South African coast. **Molecular Phylogenetics and Evolution 76: 30 – 33**
- C. Rhode, S.N. Maduna, R. Roodt-Wilding, A.E. Bester-van der Merwe. 2014. Comparison of population genetic estimates amongst wild, F1 and F2 cultured abalone (*Haliotis midae*). **Animal Genetics 45: 456 – 459**
- A. Roux, H. Lamprecht, R. Roodt-Wilding. 2014. Development of an Experimental Fertilization Protocol for the South African Abalone, *Haliotis midae* (Linnaeus 1758). **Invertebrate Reproduction and Development 58: 42 – 48**
- L. Sandenbergh, R. Roodt-Wilding, A.E. Van der Merwe, S.W.P. Cloete. 2013. Analysis of a South African Merino flock divergently selected for reproductive

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potential. **Proceedings of the Conference of the Association for the Advancement of Animal Breeding and Genetics 20: 98 – 101**

- A. Bester-van der Merwe, S. Blaauw, J. du Plessis, R. Roodt-Wilding. 2013. Transcriptome-wide Single Nucleotide Polymorphisms (SNPs) for abalone (*Haliotis midae*): Validation and application using GoldenGate medium-throughput genotyping assays. **International Journal of Molecular Science 14(9): 19341 – 19360**
- L. Mirimin, J.C. Ruiz Guajardo, J. Vervalle, A.E. Bester-Van der Merwe, S. Kerwath, B. Macey, P. Bloomer, R. Roodt-Wilding. 2013. Isolation and validation of microsatellite markers from a depleted South African sciaenid species, the dusky kob (*Argyrosomus japonicus*), by means of the FIASCO/454 approach. **Conservation Genetics Resources 5: 841 – 844**
- C. Rhode, J. Vervalle, A.E. Bester-van der Merwe, R. Roodt-Wilding. 2013. Detection of molecular signatures of selection at microsatellite loci in the South African abalone (*Haliotis midae*) using a population genomic approach. **Marine Genomics 10: 27 – 36**
- A. Roux, H. Lamprechts, R. Roodt-Wilding. 2013. Reproductive histology of cultured *Haliotis midae* (Linnaeus, 1758) and preliminary evaluation of maturation. **Journal of Shellfish Research 32: 143 – 153**
- J. Vervalle, J-A. Hepple, S. Jansen, J. Du Plessis, P. Wang, C. Rhode, R. Roodt-Wilding. 2013. Integrated linkage map of *Haliotis midae* Linnaeus based on microsatellites and SNP markers. **Journal of Shellfish Research 32: 89 – 103**