

## Publications for Damien Higgins

### 2019

Palmieri, C., Hulse, L., Pagliarani, S., Larkin, R., Higgins, D., Beagley, K., Johnston, S. (2019). Chlamydia pecorum Infection in the Male Reproductive System of Koalas (*Phascolarctos cinereus*). *Veterinary Pathology*, 56(2), 300-306. <a href="http://dx.doi.org/10.1177/0300985818806963">[More Information]</a>

Meggiolaro, M., Roeber, F., Kobylski, V., Higgins, D., Slapeta, J. (2019). Comparison of multiplex tandem real-time PCR panel with reference real-time PCR molecular diagnostic assays for detection of *Giardia intestinalis* and *Trichostrongylus axei* in cats. *Veterinary Parasitology*, 266, 12-17. <a href="http://dx.doi.org/10.1016/j.vetpar.2018.12.009">[More Information]</a>

Fernandez, C., Schmettmann, L., Higgins, D., Casteriano, A., Irinyi, L., Mella, V., Crowther, M., Meyer, W., Krockenberger, M. (2019). Differences in the genetic diversity of *Chlamydia pecorum* between neighbouring sub-populations of koalas (*Phascolarctos cinereus*): a potential issue for wildlife corridor construction in population management. *Veterinary Microbiology*, In Press. <a href="http://dx.doi.org/10.1016/j.vetmic.2019.02.020">[More Information]</a>

Kjeldsen, S., Raadsma, H., Leigh, K., Tobey, J., Phalen, D., Krockenberger, A., Ellis, W., Hynes, E., Higgins, D., Zenger, K. (2019). Genomic comparisons reveal biogeographic and anthropogenic impacts in the koala (*Phascolarctos cinereus*): a dietary-specialist species distributed across heterogeneous environments. *Heredity*, 122, 525-544. <a href="http://dx.doi.org/10.1038/s41437-018-0144-4">[More Information]</a>

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Higgins, D., Rose, K., Spratt, D. (2018). Marsupials and Monotremes. In Karen Terio, Denise McAloose, Judy St. Lege (Eds.), *Pathology of Wildlife and Zoo Animals*. USA: Academic Press.

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Marschner, C., Higgins, D., Krockenberger, M. (2017). A Survey of Pesticide Accumulation in a Specialist Feeder, the Koala (*Phascolarctos cinereus*). *Bulletin of Environmental Contamination and Toxicology*, 99, 303-307. <a href="http://dx.doi.org/10.1007/s00128-017-2140-4">[More Information]</a>

Higgins, D., Casteriano, A., Sangster, C., Leigh, K., Grillo, V., Alquezar, D. (2017). *Koala Disease in NSW- sampling, storing and sharing information*.

Meggiolaro, M., Ly, A., Rysnik-Steck, B., Silva, C., Zhang, J., Higgins, D., Muscatello, G., Norris, J., Krockenberger, M., Slapeta, J. (2017). MT-PCR panel detection of canine parvovirus (CPV-2): Vaccine and wild-type CPV-2 can be difficult to differentiate in canine diagnostic fecal samples. *Molecular and Cellular Probes*, 33, 20-23. <a href="http://dx.doi.org/10.1016/j.mcp.2017.02.007">[More Information]</a>

Wicker, L., Canfield, P., Higgins, D. (2017). Potential Pathogens Reported in Species of the Family Viverridae and Their Implications for Human and Animal Health. *Zoonoses*

and *Public Health*, 64(2), 75-93. <a href="http://dx.doi.org/10.1111/zph.12290">[More Information]</a>

### 2016

Maher, I., Higgins, D. (2016). Altered Immune Cytokine Expression Associated with KoRV B Infection and Season in Captive Koalas. *PloS One*, 11(10), 1-18. <a href="http://dx.doi.org/10.1371/journal.pone.0163780">[More Information]</a>

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### 2015

Lau, Q., Chow, N., Gray, R., Gongora, J., Higgins, D. (2015). Diversity of MHC DQB and DRB Genes in the Endangered Australian Sea Lion (*Neophoca cinerea*). *Journal of Heredity*, 106(4), 395-402. <a href="http://dx.doi.org/10.1093/jhered/esv022">[More Information]</a>

Jelocnik, M., Bachmann, N., Kaltenboeck, B., Waugh, C., Woolford, L., Speight, K., Gillett, A., Higgins, D., Flanagan, C., Myers, G., et al (2015). Genetic diversity in the plasticity zone and the presence of the chlamydial plasmid differentiates *Chlamydia pecorum* strains from pigs, sheep, cattle, and koalas. *BMC Genomics*, 16(1), 1-14. <a href="http://dx.doi.org/10.1186/s12864-015-2053-8">[More Information]</a>

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of free-ranging endangered Australian sea lion (*Neophoca cinerea*) pups: effect on hookworm and lice infection status, haematological parameters, growth, and survival. *Parasitology Research*, 114, 2743-2755. <a href="http://dx.doi.org/10.1007/s00436-015-4481-4">[More Information]</a>

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Jaratlerdsiri, W., Deakin, J., Godinez M, R., Shan, X., Peterson, D., Marthey, S., Lyons, E., McCarthy, F., Isberg, S., Higgins, D., Chong, A., Gongora, J., et al (2014). Comparative Genome Analyses Reveal Distinct Structure in the Saltwater Crocodile MHC. *PloS One*, 9(12), 1-33. <a href="http://dx.doi.org/10.1371/journal.pone.0114631">[More Information]</a>

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Maher, I., Griffith, J., Lau, Q., Reeves, T., Higgins, D. (2014). Expression profiles of the immune genes CD4, CD8(Beta), IFN(gamma), IL-4, IL-6 and IL-10 in mitogen-stimulated koala lymphocytes (*Phascolarctos cinereus*) by qRT-PCR. *PeerJ*, 2013 (1), 1-19. <a href="http://dx.doi.org/10.7717/peerj.280">[More Information]</a>

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Lau, Q., Wilkin, T., Payne, E., Gray, R., Gongora, J., Higgins, D. (2014). Primers for amplifying major histocompatibility complex class II DQB and DRB exon 2 in the Australian sea lion (*Neophoca cinerea*). *Conservation Genetics Resources*, 6(4), 813-816. <a href="http://dx.doi.org/10.1007/s12686-014-0244-2">[More Information]</a>

Jaratlerdsiri, W., Isberg, S., Higgins, D., Miles, L., Gongora, J. (2014). Selection and Trans-Species Polymorphism of Major Histocompatibility Complex Class II Genes in the Order Crocodylia. *PloS One*, 9(2), 1-13. <a href="http://dx.doi.org/10.1371/journal.pone.0087534">[More Information]</a>

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northeastern, koala populations in Australia. *Wildlife Disease Association (WDA) Australasia conference*, N/A: N/A.

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