### Accepted Manuscript

Title: Expression profiling feline peripheral blood monocytes identifies a transcriptional signature associated with type two diabetes mellitus

Authors: Caroline A. O'Leary, Mamdouh Sedhom, Mia Reeve-Johnson, John Mallyon, Katharine M. Irvine



| PII:           | S0165-2427(16)30274-4                              |
|----------------|--|
| DOI:           | http://dx.doi.org/doi:10.1016/j.vetimm.2016.12.011 |
| To appear in:  | VETIMM 9602<br>VETIMM                              |
| Received date: | 16-11-2016   |
| Revised date:  | 20-12-2016   |
| Accepted date: | 21-12-2016   |

Please cite this article as: O'Leary, Caroline A., Sedhom, Mamdouh, Reeve-Johnson, Mia, Mallyon, John, Irvine, Katharine M., Expression profiling feline peripheral blood monocytes identifies a transcriptional signature associated with type two diabetes mellitus.Veterinary Immunology and Immunopathology http://dx.doi.org/10.1016/j.vetimm.2016.12.011

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### ACCEPTED MANUSCRIPT

# Expression profiling feline peripheral blood monocytes identifies a transcriptional signature associated with type two diabetes mellitus

Caroline A. O'Leary<sup>1#</sup>, Mamdouh Sedhom<sup>2</sup>, Mia Reeve-Johnson<sup>1</sup>, John Mallyon<sup>1</sup>, Katharine M Irvine<sup>2#</sup>

<sup>1</sup> School of Veterinary Science, The University of Queensland, Gatton, 4343 Australia

<sup>2</sup> Centre for Liver Disease Research, School of Medicine, The University of Queensland, Translational Research Institute, Brisbane, 37 Kent St, Woolloongabba, Queensland, 4102, Australia

# Corresponding authors: C. O'Leary: School of Veterinary Science, The University of Queensland, Gatton, Queensland 4343, Australia, Tel.: +(61) 7 5460 1788 Fax.: +(61) 7 5460 1780, <u>c.oleary@uq.edu.au</u>; K. Irvine: Centre for Liver Disease Research, School of Medicine, The University of Queensland, Translational Research Institute, Brisbane, 37 Kent St, Woolloongabba, Queensland, 4102, Australia, +61 7 3443 7655, Katharine.irvine@uq.edu.au.

#### Highlights

- Feline blood monocytes specifically resemble human monocytes at a transcriptional level.
- Monocytes from cats with T2D exhibit a distinct expression profile to control monocytes.
- Expression profiling implicates stress and inflammatory pathways in the pathogenesis of T2D in cats

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