

## PUBLICATIONS

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19. Kehoe SI<sup>†</sup>, **Dill-McFarland KA**, Breaker JD, Suen G. 2019. Effects of corn silage inclusion in pre-weaned calf diets. *J Dairy Sci* *In press*
18. Carroll C, Olsen KD, **Dill-McFarland KA**, Suen G, Robinson TF, Chaston JM. 2018. Bacterial communities in the alpaca gastrointestinal tract vary with diet and body site. *Front Microbiol* Epub ahead of print. doi: [10.3389/fmicb.2018.03334](https://doi.org/10.3389/fmicb.2018.03334)
17. **Dill-McFarland KA**<sup>\*</sup>, Tang Z<sup>\*</sup>, Kemis JH, Kerby RL, Chen G, Palloni A, Sorenson T, Rey FE<sup>†</sup>, Herd P<sup>†</sup>. Close social relationships correlate with human gut microbiota composition. *Sci Rep* *In press*. Preprint doi: <https://doi.org/10.1101/428938>
16. **Dill-McFarland KA**, Weimer PJ, Breaker JD, Suen G. 2018. Diet influences early microbiota development in dairy calves without long-term impacts on milk production. *Appl Environ Microbiol* Epub ahead of print. doi: [10.1128/AEM.02141-18](https://doi.org/10.1128/AEM.02141-18)
15. De Wolfe TJ, Eggers S, Barker AK, Kates A, **Dill-McFarland KA**, Suen G, Safdar N. 2018. Oral probiotic combination of *Lactobacillus* and *Bifidobacterium* alters the gastrointestinal microbiota during antibiotic treatment for *Clostridium difficile* infection. *PLoS One* 13(9): e0204253. doi: [10.1371/journal.pone.0204253](https://doi.org/10.1371/journal.pone.0204253)
14. Cunha CS, Marcondes MI, Veloso CM, Mantovani HC, Pereira LGR, Tomich TR, **Dill-McFarland KA**<sup>†</sup>, Suen G<sup>†</sup>. 2018. Compositional and structural dynamics of the ruminal microbiota in dairy heifers and its relationship to methane production. *J Sci Food Agric* 99(1): 210-18. doi: [10.1002/jsfa.9162](https://doi.org/10.1002/jsfa.9162)
13. Romano KA, **Dill-McFarland KA**, Kasahara K, Kerby RL, Vivas EI, Amador-Noguez D, Herd P, Rey FE. 2018. Fecal Aliquot Straw Technique (FAST) allows for easy and reproducible subsampling: Assessing interpersonal variation in trimethylamine-*N*-oxide (TMAO) accumulation. *Microbiome* 6(1): 91. doi: [10.1186/s40168-018-0458-8](https://doi.org/10.1186/s40168-018-0458-8)
12. Dias J, Marcondes MI, de Souza SM, da Mata BC, Noronha MF, Resende RT, Machado FS, Mantovani HC, **Dill-McFarland KA**<sup>†</sup>, Suen G<sup>†</sup>. 2018. Bacterial community dynamics across the gastrointestinal tracts of dairy calves during preweaning development. *Appl Environ Microbiol* 84(9): e02675-17. doi: [10.1128/AEM.02675-17](https://doi.org/10.1128/AEM.02675-17)
11. Williams CL, **Dill-McFarland KA**, Sparks DL, Kouba AJ, Willard ST, Suen G, Brown AE. 2018. Dietary changes during weaning shape the gut microbiota of red pandas (*Ailurus fulgens*). *Conserv Physiol* 6(1): cox075. doi: [10.1093/conphys/cox075](https://doi.org/10.1093/conphys/cox075)
10. Cunha CS, Veloso CM, Marcondes MI, Mantovani HC, Tomich TR, Pereira LGR, Ferreira MF, **Dill-McFarland KA**<sup>†</sup>, Suen G<sup>†</sup>. 2017. Assessing the impact of rumen microbial communities on methane emissions and production traits in Holstein cows in a tropical climate. *Syst Appl Microbiol* 40(8): 492-99. doi: [10.1016/j.syapm.2017.07.008](https://doi.org/10.1016/j.syapm.2017.07.008)
9. Dai X, Weimer PJ, **Dill-McFarland KA**, Brandao VL, Suen G, Faciola AP. 2017. Camelina seed supplementation at two dietary fat levels changes ruminal bacterial community composition in a dual-flow continuous culture system. *Front Microbiol* 8: 2147. doi: [10.3389/fmicb.2017.02147](https://doi.org/10.3389/fmicb.2017.02147)
8. Vogt NM, Kerby RL, **Dill-McFarland KA**, Harding SJ, Merluzzi AP, Johnson SC, Carlsson CM, Asthana S, Zetterberg H, Blennow K, Bendlina BB<sup>†</sup>, Rey FE<sup>†</sup>. 2017. Gut microbiome alterations in Alzheimer's disease. *Sci Rep* 7(1): 13537. doi: [10.1038/s41598-017-13601-y](https://doi.org/10.1038/s41598-017-13601-y)
7. Dias J, Marcondes MI, Noronha MF, Resende RT, Machado FS, Mantovani HC, **Dill-McFarland KA**<sup>†</sup>, Suen G<sup>†</sup>. 2017. Effect of pre-weaning diet on the ruminal archaeal, bacterial, and fungal diversity of dairy calves. *Front Microbiol* 8: 1553. doi: [10.3389/fmicb.2017.01553](https://doi.org/10.3389/fmicb.2017.01553)

6. **Dill-McFarland KA**, Breaker JD, Suen G. 2017. Microbial succession in the gastrointestinal tract of dairy cows from 2 weeks to first lactation. *Sci Rep* 7: 40864. doi: [10.1038/srep40864](https://doi.org/10.1038/srep40864)
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4. Williams CL\*, **Dill-McFarland KA\***, Vandeweghe MW, Sparks DL, Willard ST, Kouba AJ, Suen G†, Brown AE†. 2016. Dietary shifts may trigger dysbiosis and mucous stools in giant pandas (*Ailuropoda melanoleuca*). *Front Microbiol* 7: 661. doi: [10.3389/fmicb.2016.00661](https://doi.org/10.3389/fmicb.2016.00661)  
*\*\*Microbiome Digest's Best Microbiome Paper 2016*
3. **Dill-McFarland KA**, Weimer PJ, Pauli JN, Peery MZ, and Suen G. 2016. Diet specialization selects for an unusual and simplified gut microbiota in two- and three-toed sloths. *Environ Microbiol* 18(5): 1391-402. doi: [10.1111/1462-2920.13022](https://doi.org/10.1111/1462-2920.13022)
2. **Dill-McFarland KA**, Suen G, Carey HV. 2016. Spotlight: Bears arouse interest in microbiota's role in health. *Trends Microbiol* 24(4): 245-6. doi: [10.1016/j.tim.2016.01.011](https://doi.org/10.1016/j.tim.2016.01.011)
1. **Dill-McFarland KA**, Neil KL, Zeng A, Sprenger RJ, Kurtz CC, Suen G†, Carey HV†. 2014. Hibernation alters diversity & composition of mucosa-associated bacteria while enhancing antimicrobial defence in the gut of 13-lined ground squirrels. *Mol Ecol* 23(18): 4658-69. doi: [10.1111/mec.12884](https://doi.org/10.1111/mec.12884)

## PUBLICATIONS (submitted)

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