

## MS Position in Bovine Epigenomics at the University of Vermont

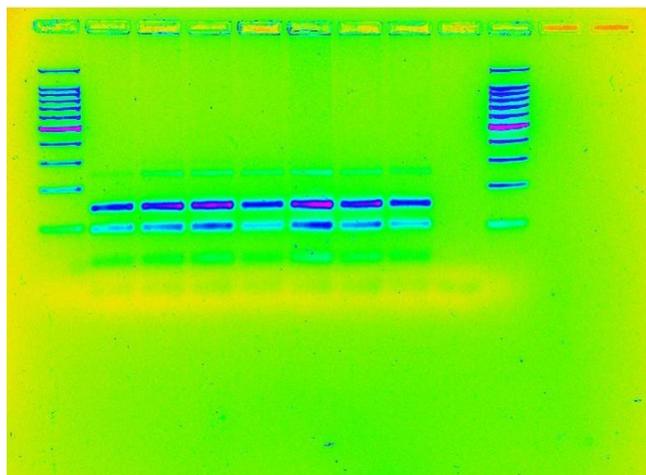
Highly motivated and enthusiastic students are invited to apply for an MS position in the Department of Animal and Veterinary Sciences at the University of Vermont. The overarching goal of the laboratory is to determine the extent to which epigenetic modifications affect phenotypic variation in economically important traits in cattle. To that end, the successful applicant will be working on a project involving the conservation of methylation between two breeds of beef cattle.

**Qualifications:** Applicants should have an undergraduate degree in genetics, genomics, animal science, biology or related field. For admittance, GRE test scores should be above 300 (combined scores) and a minimum of 100 for the TOEFL (if applicable).

Preferred skills include a working knowledge of epigenetics, ability to construct libraries for Next Generation Sequencing and computational skills necessary for Next Generation Sequencing data analysis. Additionally, applicants should have good communication skills and ability to work as part of a team. Funding for this project is secured and the qualified applicant will receive a stipend. The student will be required to perform Teaching Assistantship duties each semester. A start date between June 1<sup>st</sup> through August 15<sup>th</sup> can be negotiated.

Interested students should submit a CV, cover letter, statement of research interest and goals, transcripts and two letters of recommendation to Dr. Stephanie McKay at [Stephanie.mckay@uvm.edu](mailto:Stephanie.mckay@uvm.edu)

Founded in 1791, UVM is consistently ranked as one of the top public universities in the United States. The University is located in Burlington, Vermont, also rated as one of the best small cities in America. The greater Burlington area has a population of about 125,000 and enjoys a panoramic setting on the shores of Lake Champlain, between the Green Mountains of Vermont and the Adirondack Mountains of New York. Burlington and the surrounding area provide an environment rich in cultural and recreational activities for individuals and families, with multiple opportunities for interactions with local industry and communities.



Conservation of methylation in Angus cattle