



2019-115: Accelerated and targeted discovery of cellulases using high resolution meta-omes of multiple ruminant species

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Bison are able to survive on more low quality forages than cattle. Some evidence suggests the enzymes within the bison rumen allows this. Dr. Leluo Guan will determine if this is the case, and whether these enzymes can then be added as a feed ingredient for beef cattle. If this is possible, it could lower feed costs and continue to decrease the amount of greenhouse gas emissions from beef cattle.