**S-1086**

**2025 Annual Meeting**

**Minutes**

The annual meeting of the S-1086 technical committee was held on May 21-22, 2025, at the Roman L. Hruska U.S. Meat Animal Research Center in Clay Center, NE.

Dr. Brittni Littlejohn officially called the meeting to order at 8:00 a.m. on May 21st. After an introduction of the committee members, Dr. Bailey Engle, Research Geneticist, USMARC, welcomed everyone to the station and then introduced Dr. Mark Boggess, Center Director. He gave an overview of the history and status of the Research Center.

Dr. Brittni Littlejohn announced the members of the Resolutions Committee (Drs. Bryan Kutz, David Riley, and Emily Baker) and the Nominating Committee (Drs. Brittni Littlejohn, Andy Herring, and Trent Smith).

Station reports from TAMU, MSU, and ARK were given before break. After break reports resumed from TAMU, WTAMU, and KSU.

Lunch was provided at the Center and then a walking tour was provided at the Sequencing and Core Lab with Kristin Kuhn and the Embryology Lab with Alex Snider.

After the tour, the committee received reports from the USMARC Genetics and Animal Breeding Unit. Reports were given by Drs. Larry Kuehn, Warren Snelling, John Keele and Bailey Engle. After the reports the group toured the Animal Breeding unit facilities and cattle.

On May 22nd, the group met at the Roman L. Hruska U.S. Meat Animal Research Center at 8:00 a.m. Dr. Bailey Engle updated the group on events of the day.

Dr. Brittni Littlejohn the asked for committee reports. The resolution committee (Drs. Bryan Kutz, David Riley, and Emily Baker) submitted their report (see Appendix C). Dr. Andy Herring made a motion to accept the resolution committee’s report, it was seconded by Dr. Trent Smith. The resolutions were approved by unanimous vote. The nominating committee (Drs. Brittni Littlejohn, Andy Herring, and Trent Smith) made the following nominations: Dr. Rhonda Vann (chair), Dr. Michael Gonda (chair elect) and Dr. Emily Baker (secretary). Dr. Bryan Kutz made a motion to accept the nominating committee’s report, it was seconded by Dr. David Riley. The nominated individuals were elected by unanimous vote.

Dr. Brittni Littlejohn initiated discussion of the location for next year’s meeting. Dr. David Riley invited the group to meet in TX. The group accepted the offer. Host location for the 2026 technical meeting will be in Texas on May 20-21 with the location to be determined by Drs. David Riley and Andy Herring.

Station reports resumed with a presentation from TAMU.

A tour was taken to visit the Sheep Genetics Research facility with Drs. Tom Murphy and Brad Freking and cattle research with Dr. Amanda Lindholm-Perry.

After the tour, USMARC presentations were given by Drs. Brittney Keel-Mercer, Matt Crouse, Tara McDaneld and Steven Shackelford.

Lunch was provided by the Center.

After lunch the group was given a tour of Ginger, the gene edited Gir by Drs. Aspen Workman and Bryan Vander Ley.

Station reports were finalized with a presentation from ARK.

The meeting was adjourned by Dr. Brittni Littlejohn at 3:00 p.m., May 22nd, 2025.

Meeting minutes are respectfully submitted by Dr. Trent Smith in lieu of Dr. Rhonda Vann, Secretary.

Appendix A

**S-1086**

**2025 Annual Meeting May 21-22nd**

**Agenda**

**Meeting Location:**

Roman H. Hruska US Meat Animal Research Center

844 Rd 313

Clay Center, NE

USMARC Front Desk and Switchboard: (402) 762-4109

Faculty Contact: Bailey Engle, USMARC Research Geneticist, (406) 613-8032 (mobile)

**Tuesday, May 20, 2025**

6:30 PM Dinner at Rivals Bar and Grill (3100 Osborne Dr E #100, Hastings, NE)

**Wednesday, May 21, 2025**

**Vehicles will leave the hotel for Clay Center at 7:15 am**

8:00 AM Welcome and overview of USMARC, Mark Boggess, Center Director

8:15 AM Introductions, appointment of resolutions and nominating committees

9:00 AM Station reports

10:30 AM Break

10:45 AM Station reports

12:00 PM Lunch on Center (*catered or foodtruck*)

12:45 PM Walking tour:

Sequencing & Core Lab w/ Kristin Kuhn

Embryology Lab w/ Alex Snider

1:30 PM Research presentations from the USMARC Genetics and Animal Breeding Unit:

 1:30-2:15 PM GPE Overview and Update – Larry Kuehn

 2:15-2:45 PM Low-pass sequencing applications – Warren Snelling

 2:45-3:00 PM Analysis of pooled genotypes - John Keele

 3:00-3:15 PM Global Methane Hub – Bailey Engle

3:15 PM Break

3:30 PM Tours of the USMARC Genetics and Animal Breeding Unit facilities and cattle-GPE tour

5:00 PM Return to hotel

6:30 PM Dinner at the Blue Fork Kitchen (3609 Cimarron Plaza Suite #180, Hastings, NE)

**Thursday, May 22, 2025**

**Vehicles will leave the hotel for Clay Center at 7:15 am**

8:00 AM Update from Administrative Advisor

8:30 AM S-1086 Business Meeting

9:00 AM Station reports

10:30 AM Break

10:45 AM Research presentations from USMARC:

 10:45-11:05 AM Modeling behavioral data – Brittney Keel-Mercer

 11:05-11:25 AM Prenatal programing – Matt Crouse

 11:25-11:45 AM Metagenomics – Tara McDaneld

 11:45-12:00 PM Meat quality – Steven Shackelford

12:00 PM Lunch on Center (*catered or foodtruck*)

1:00 PM Tours of USMARC research facilities:

 1:00-1:30 PM Ginger the gene-edited Gir – Aspen Workman

 1:30-2:00 PM Sheep genetics research – Tom Murphy and Brad Freking

 2:00-2:15 PM Travel break

 2:15-2:45 PM Liver abscess trial – Amanda Lindholm-Perry

3:00 PM Return to Main Campus and Depart from Clay Center

Appendix B

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| **Meeting Participants** |
| Annual Meeting of the S-1086 Regional Committee |
| May 21-22, 2025 |
| Baker, Emile | ebaker@wtamu.edu |
| Herring, Andy | andy.herring@ag.tamu.edu |
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| Riley, David | david.riley@ag.tamu.edu |
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| Kuhn, Kristen | kristen.kuhn@usda.gov |
| Snider, Alex | alex.snider@usda.gov |

Appendix C

**Resolutions Committee Report**

S-1086 Technical Committee

Clay Center, NE

May 21-22, 2025

Whereas the S-1086 Technical Committee is committed to improving beef cattle production systems in the southern region and other regions of the United States,

And whereas the S-1086 Technical Committee is improved by exchange of research findings and approaches at different institutions and locations as well as observing different beef cattle research projects and varied production systems,

Therefore, be it resolved that the S-1086 Technical Committee express its gratitude to Dr. Bailey Engle, Dr. Larry Kuehn, Dr. Mark Thallman, and their support staff, including Ms. Stephanie Schmidt, at the USDA Meat Animal Research Center, Clay Center, Nebraska for planning, coordination, and transportation for its 2025 annual meeting. We also thank Dr. Warren Snelling, Dr. John Keele, Dr. Brittney Keel-Mercer, Dr. Matt Crouse, Dr. Tara McDaneld, Dr. Steven Shackelford, Dr. Aspen Workman, Dr. Tom Murphy, Dr. Brad Freking and Dr. Amanda Lindholm-Perry for speaking and sharing their work during the meeting. We also thank Dr. Kristin Kuhn, Dr. Alex Snider, their tour of the Sequencing and Core Lab and the Embryology Lab. We also thank Mr. Chad Engle for the tour of the USDA MARC.

Be it also resolved that the S-1086 Technical Committee expresses its appreciation to Dr. Mark Boggess, Center Director of the USDA Meat Animal Research Center, Clay Center Nebraska for their welcoming comments and support of this annual meeting and this multi-state project.

Be it also resolved that the S-1086 Technical Committee expresses its thanks to Dr. Brittni Littlejohn for her service as chair as technical committee and her efforts for coordinating with the USDA MARC for this annual meeting.

Be it also resolved that the S-1086 Technical Committee expresses its appreciation to Dr. Jamie Matthews for his oversight and guidance to the project as Administrative Advisor.

Respectively submitted May 22, 2025.

Emilie Baker

Bryan Kutz

David Riley