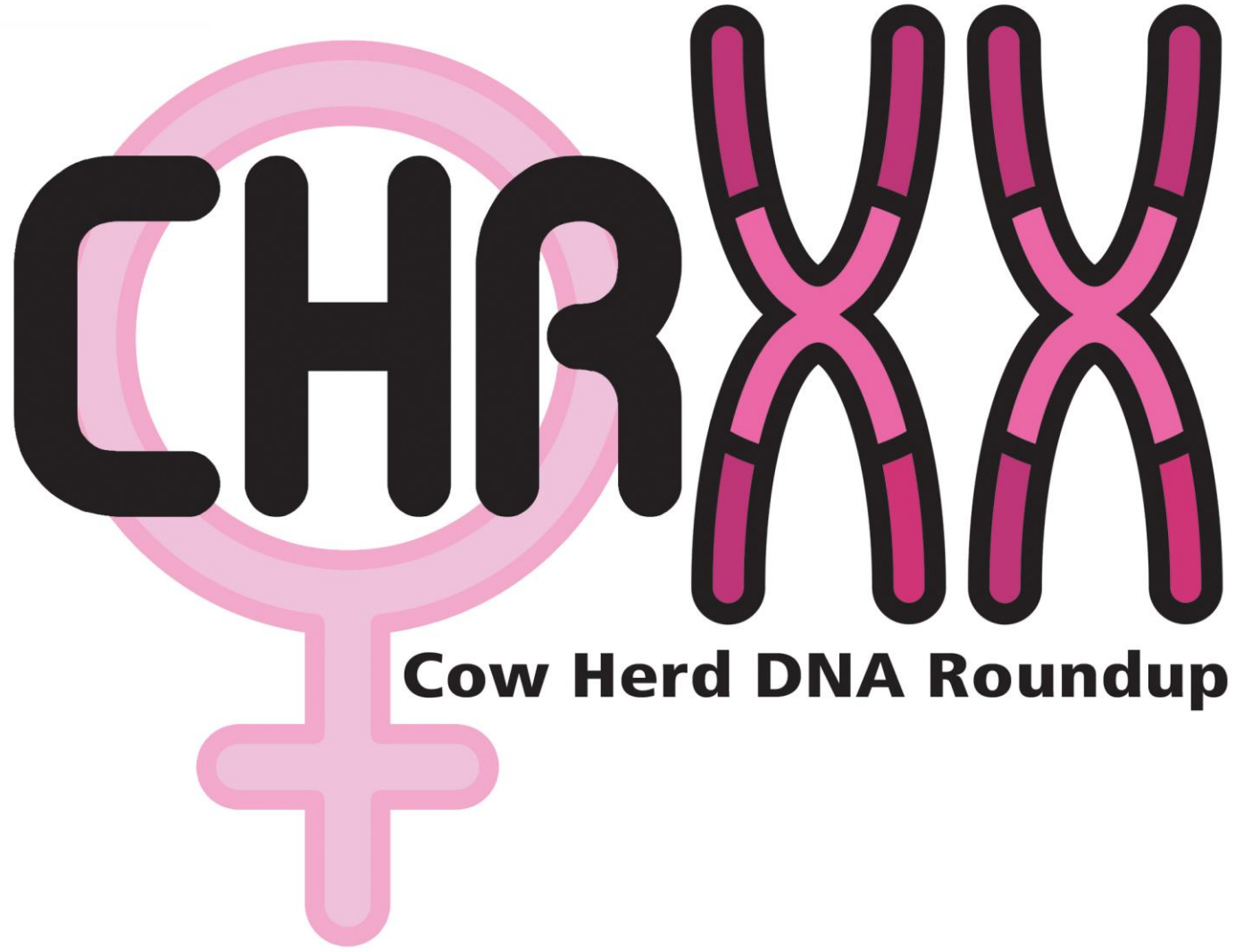


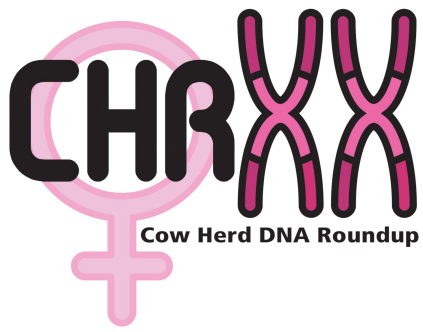
# ASA Genotyping Incentive Programs

**Jackie Atkins, PhD**  
**Director of Science and Education**

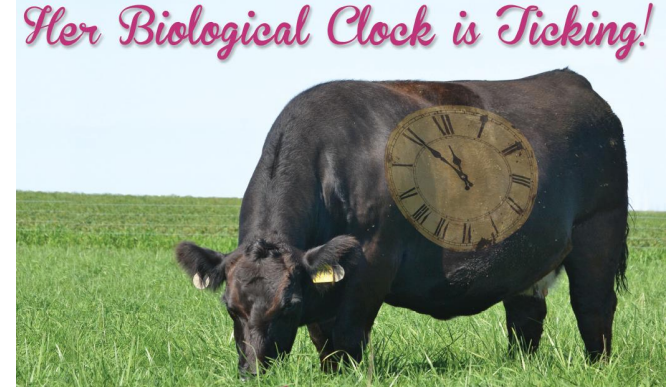
Brown Bagger 10/24/18







# Goals

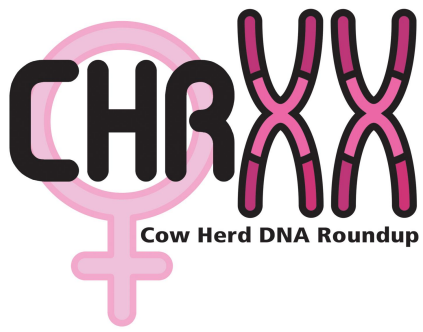


Quickly  the number of genotyped animals

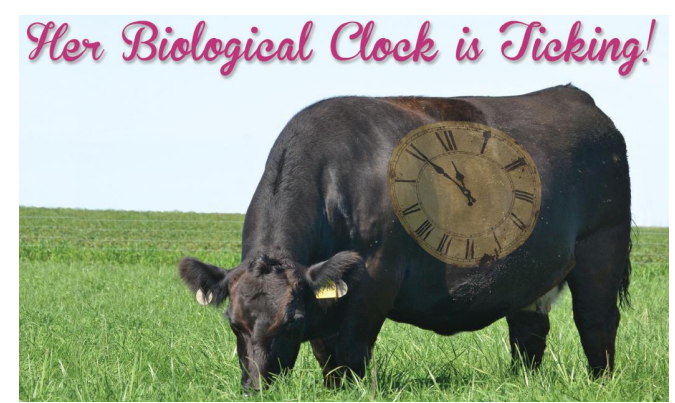
Whole herd (reduce prediction bias)

On Females - improve maternal trait predictions





# Requirements

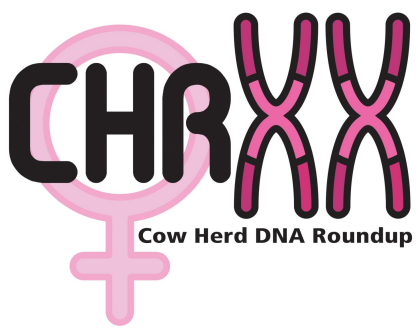


Submit DNA on 90% of cow herd

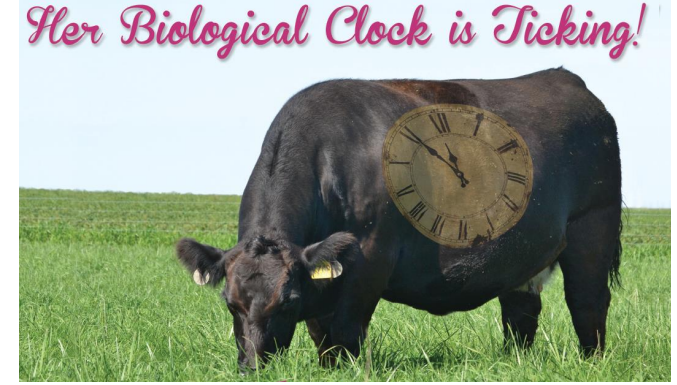
- Can submit samples on weaning/yearling heifers but they will not count toward your 90%

Female must have an entity in ASA's Herdbook (either registered or on-file) and should have EPDs (either registered or in Total Herd Enrollment)





# Cost of Investment



\*\$20/test (60% off retail price of GGP-LD)

\*If mature cow weight, BCS/hip height - a \$5/test rebate  
= \$15 Genomic test!

Parent Verification and diluter testing are included in this price

Add-on content available

## Deadline December 15<sup>th</sup>, 2018



# What do you get in return?

Increased accuracy of EPDs

Genomic enhanced EPD

Must first have EPDs

TRAIT	Progeny Equivalent	TRAIT	Progeny Equivalent
CE	15	STAY	25
MCE	3	CW	6
BW	20	MRB	8
WW	22	REA	5
YW	24	FAT	6
MLK	18	DOC	19

A life-time of calf crops for \$15/test.

*Her Biological Clock is Ticking!*



50K DNA Tests *as low as*  
**\$15/COW**  
 Limited time only

**Adding a DNA test to your decision is like knowing . . .**

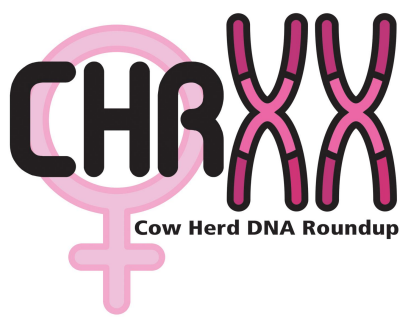
15	Calving ease scores
20	Birth weights
22	Weaning weights
25	Stayability records



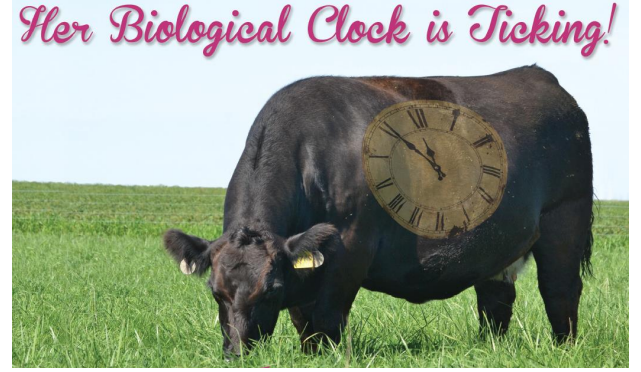
For more information:  
[simmental.org/chr](http://simmental.org/chr)  
 406-587-4531  
[cowdna@simmgene.com](mailto:cowdna@simmgene.com)




- Available to all seedstock and commercial members — regardless of breed type or breed makeup.
- \$15/sample requires both cow weights and body condition score (otherwise \$20/sample).
- Parentage included.
- Limited time only — samples must be submitted by 12/15/18. There is a capped budget for project, so don't delay!
- Collaborative research project with GeneSeek®.



# Goals of Project



- Quickly  the number of genotyped animals
- Whole herd (reduce prediction bias)
- On Females - improve maternal trait predictions

**Since March '18, added just under 25,000 cow genomic profiles – all on whole herds**

# But wait, more in development... .

Trait	PE 2012	PE 2018	Difference
Calving Ease	5	15	+10
<b>Maternal Calving Ease</b>	<b>3</b>	<b>3</b>	<b>0</b>
Birth Weight	6	20	+14
Weaning Weight	4	22	+18
Yearling Weight	3	24	+21
Milk	3	18	+15
Stayability	9	25	+16
<b>Carcass Weight</b>	<b>4</b>	<b>6</b>	<b>+2</b>
<b>Marbling</b>	<b>4</b>	<b>8</b>	<b>+4</b>
<b>Ribeye Area</b>	<b>4</b>	<b>5</b>	<b>+1</b>
<b>Back Fat</b>	<b>1</b>	<b>6</b>	<b>+5</b>



# Carcass Expansion Project

Trait	PE 2012	PE 2018	Difference
Calving Ease	5	15	+10
<b>Maternal CE</b>	<b>3</b>	<b>3</b>	<b>0</b>
Birth Weight	6	20	+14
Weaning Weight	4	22	+18
Yearling Weight	3	24	+21
Milk	3	18	+15
Stayability	9	25	+16
<b>Carcass Weight</b>	<b>4</b>	<b>6</b>	<b>+2</b>
<b>Marbling</b>	<b>4</b>	<b>8</b>	<b>+4</b>
<b>Ribeye Area</b>	<b>4</b>	<b>5</b>	<b>+1</b>
<b>Back Fat</b>	<b>1</b>	<b>6</b>	<b>+5</b>



ASA/IGS investing in **genotyping calves with carcass records**

## More information



**simmental.org**  
**cowdna@simmgene.com**  
**carcdata@simmgene.com**  
**406-587-4531**



**Thank you to our collaborators!!!**

