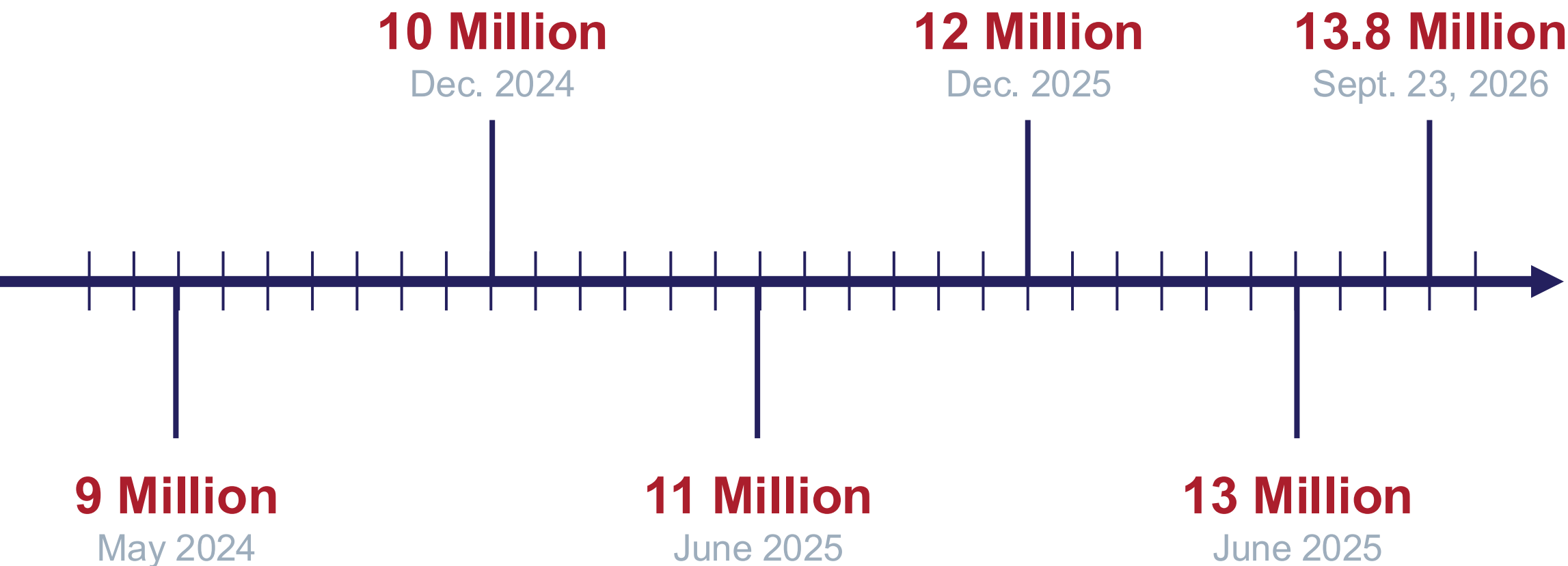


Year in Review

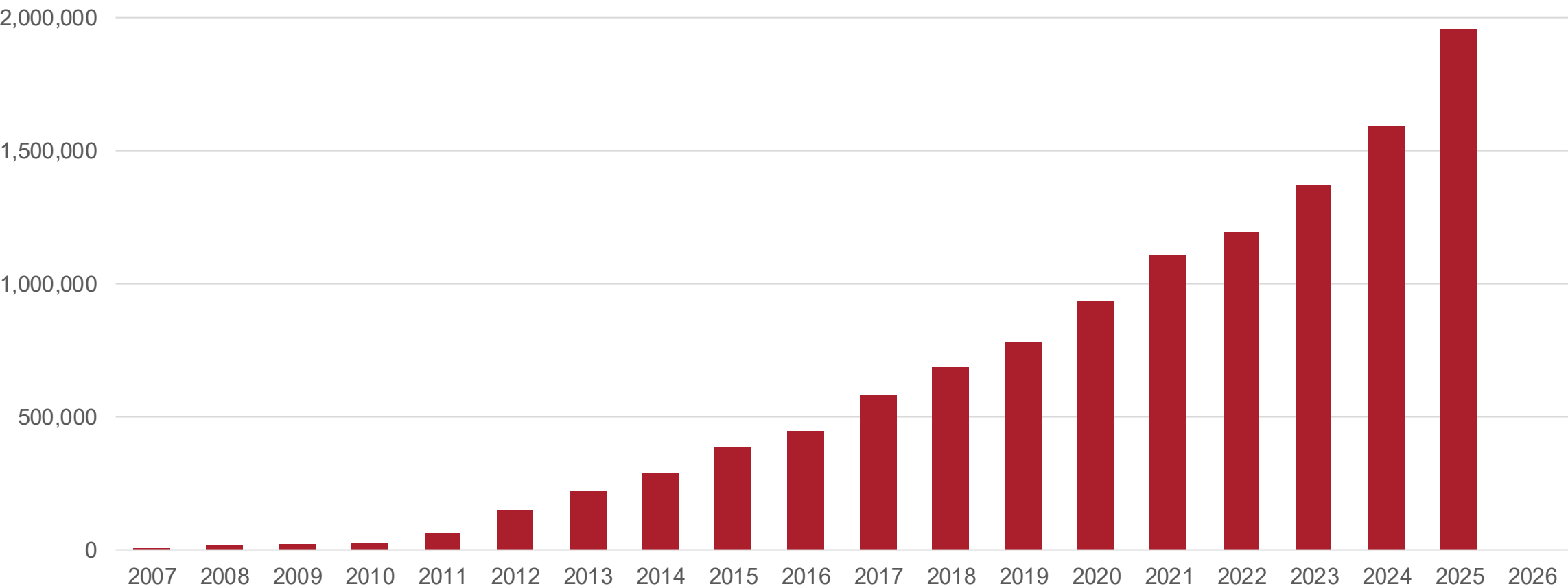
October 2025 – September 2026



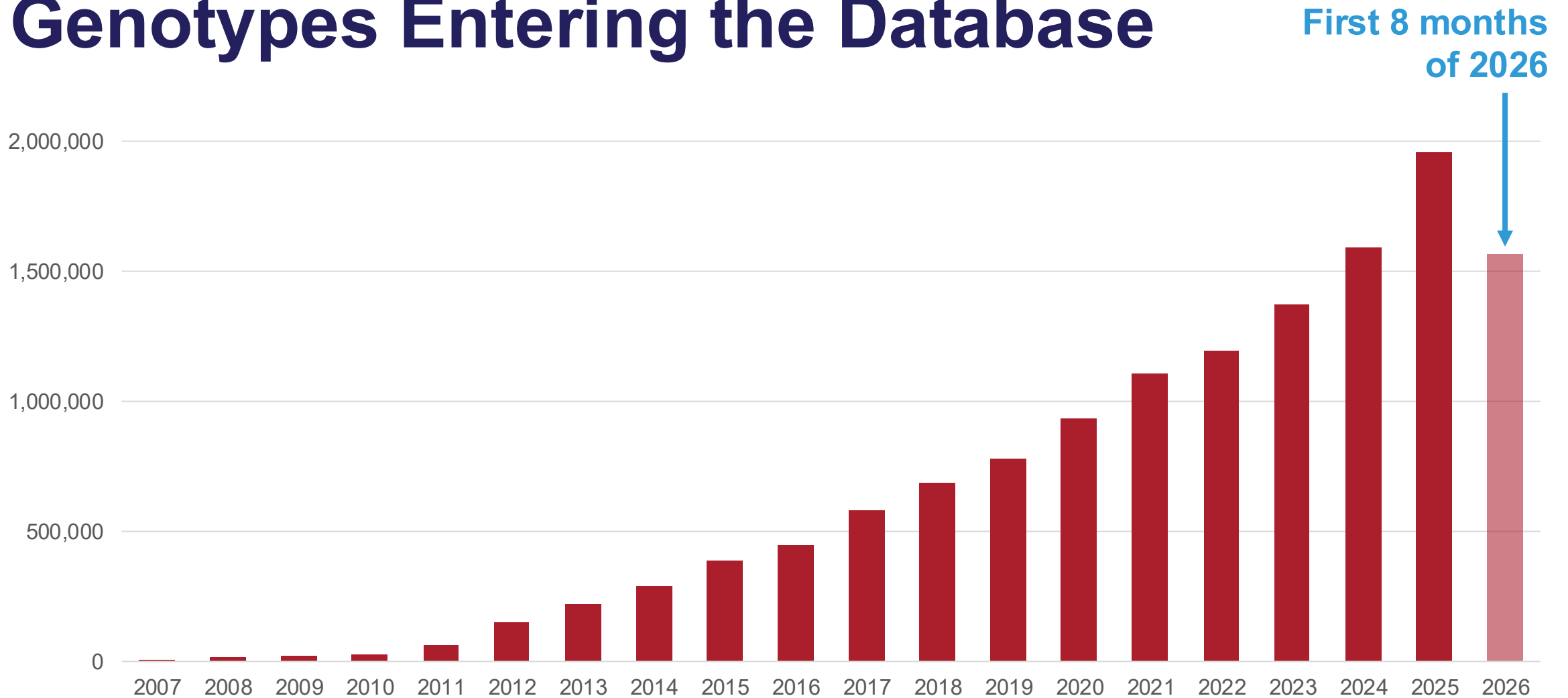




Genotypes Entering the Database

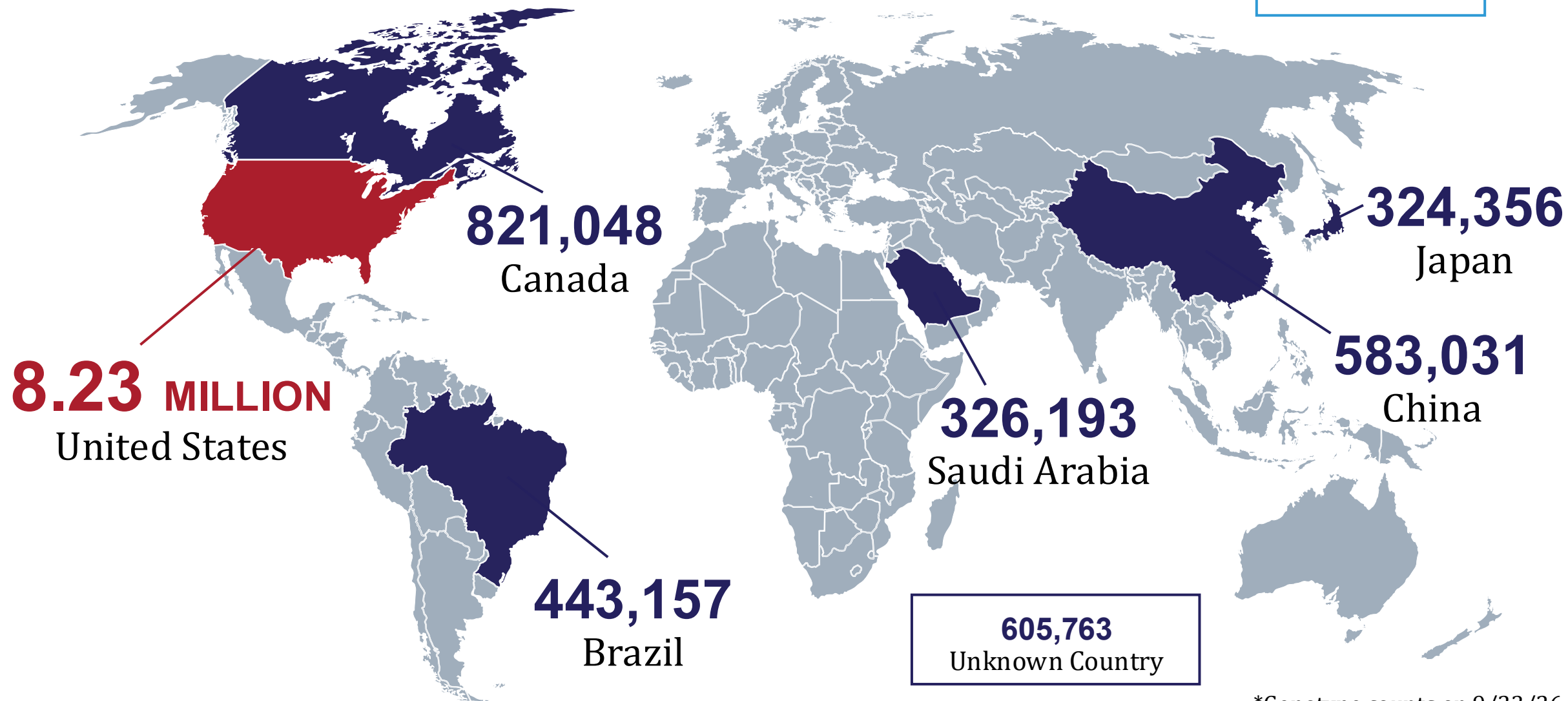


Genotypes Entering the Database



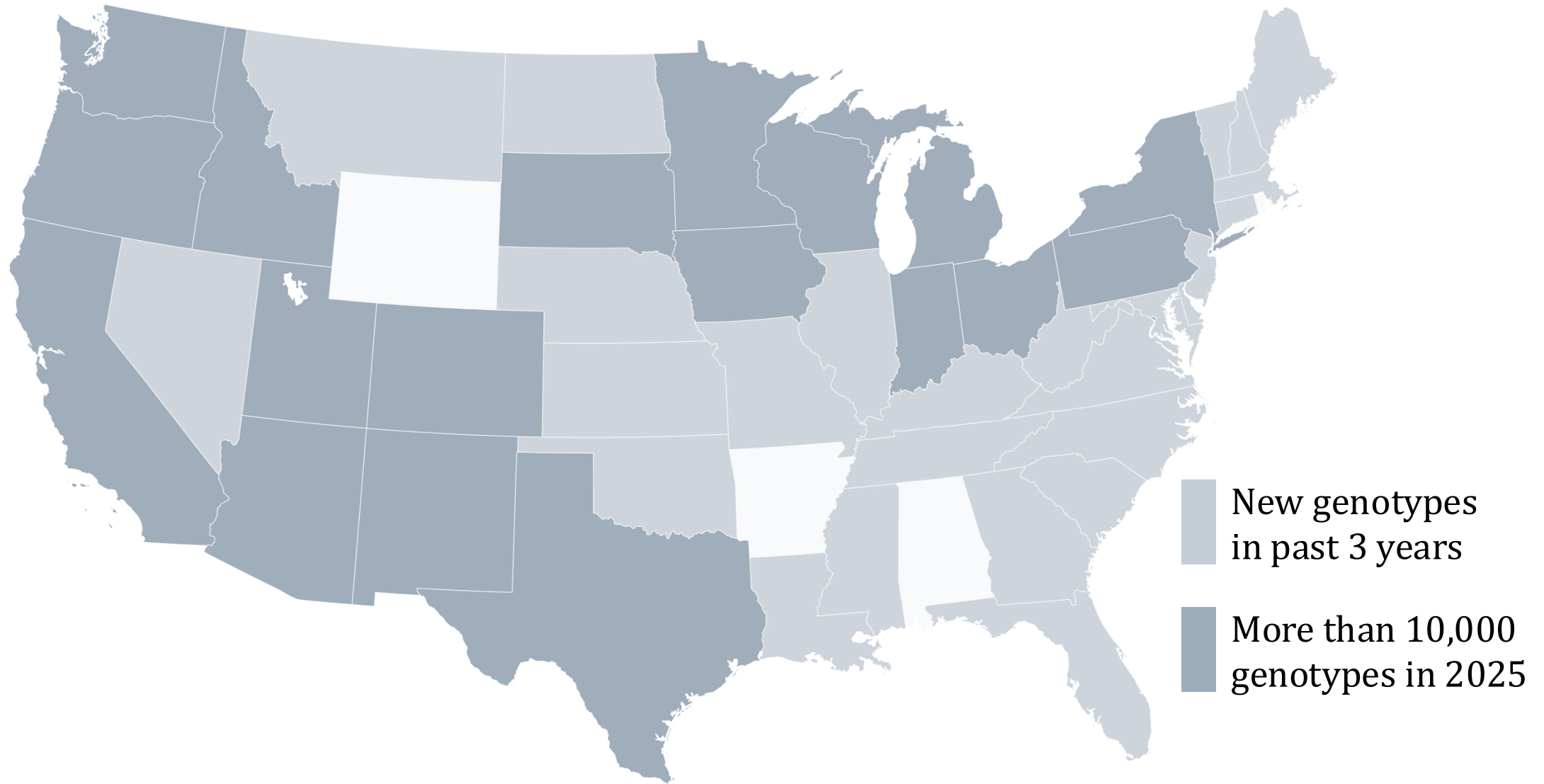
Global Genotypes

77
Countries

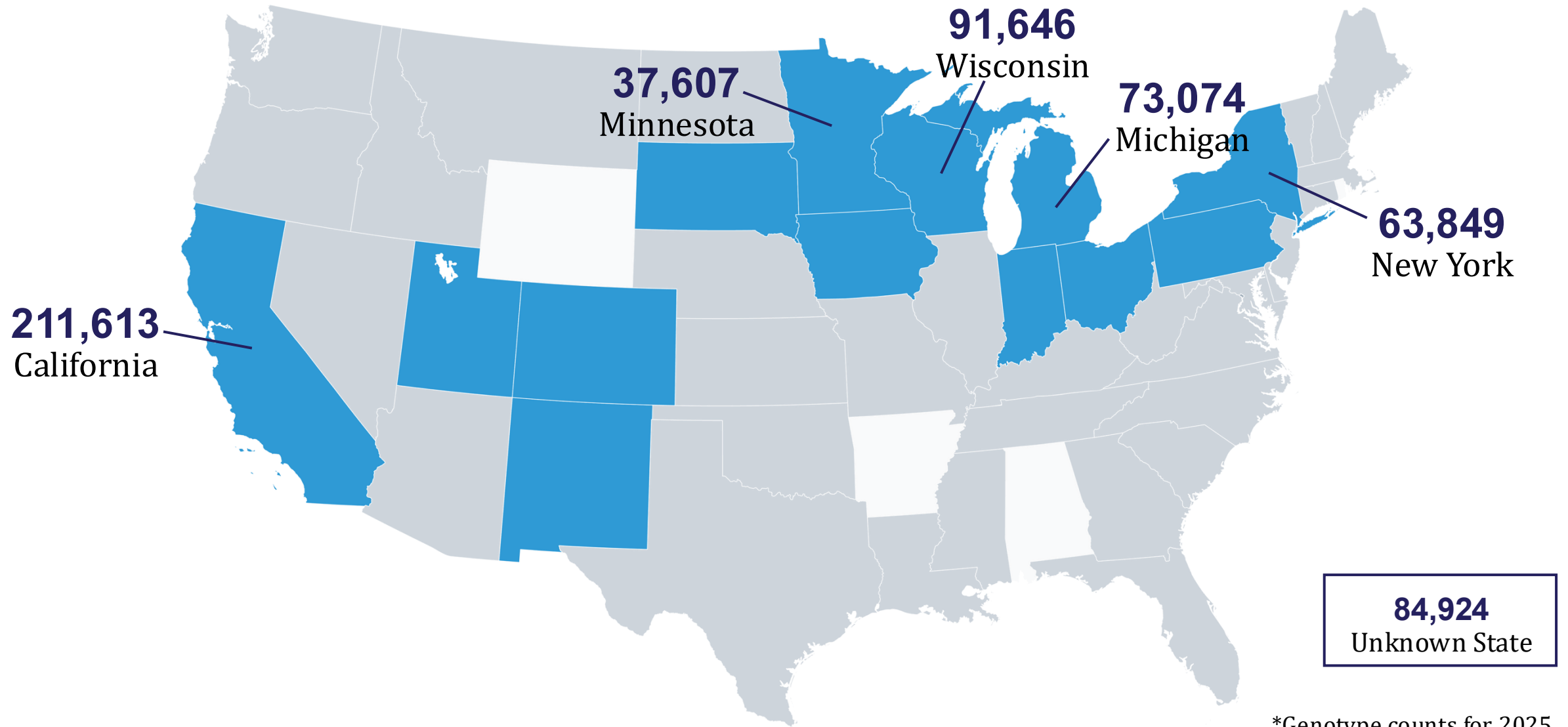


*Genotype counts on 9/23/26

States with New Female Genotypes



Growth States for Female Genotypes



*Genotype counts for 2025



Farms Contributing to the National Cooperator Database in 2025

47 **9,289**
States Herds

3.79 Million
Cows submitting yield data

64% of Cows in Herds
with >1,000 Cows

The Cows



26,136 lbs.
Average Milk
(+211 lbs. over 2024)

4.24%
Average Fat
(+0.09% over 2024)

3.24%
Average Protein
(+0.04% over 2024)



New Resources



- Launched in February
- Monthly episode
- Stream on YouTube or Podcast players
- Topics have included new traits, semen sales, insights from the farm, national statistics and more

Calf Health Traits

Resistance to Diarrhea (DIA)

Estimated heritability = 2.6%

Def. - Expected resistance of an animal's offspring to calfhood diarrhea or scours in a herd with average management conditions

Resistance to Respiratory Problems (RSP)

Estimated heritability = 2.2%

Def. - Expected resistance of an animal's offspring to calfhood respiratory problems in a herd with average management conditions

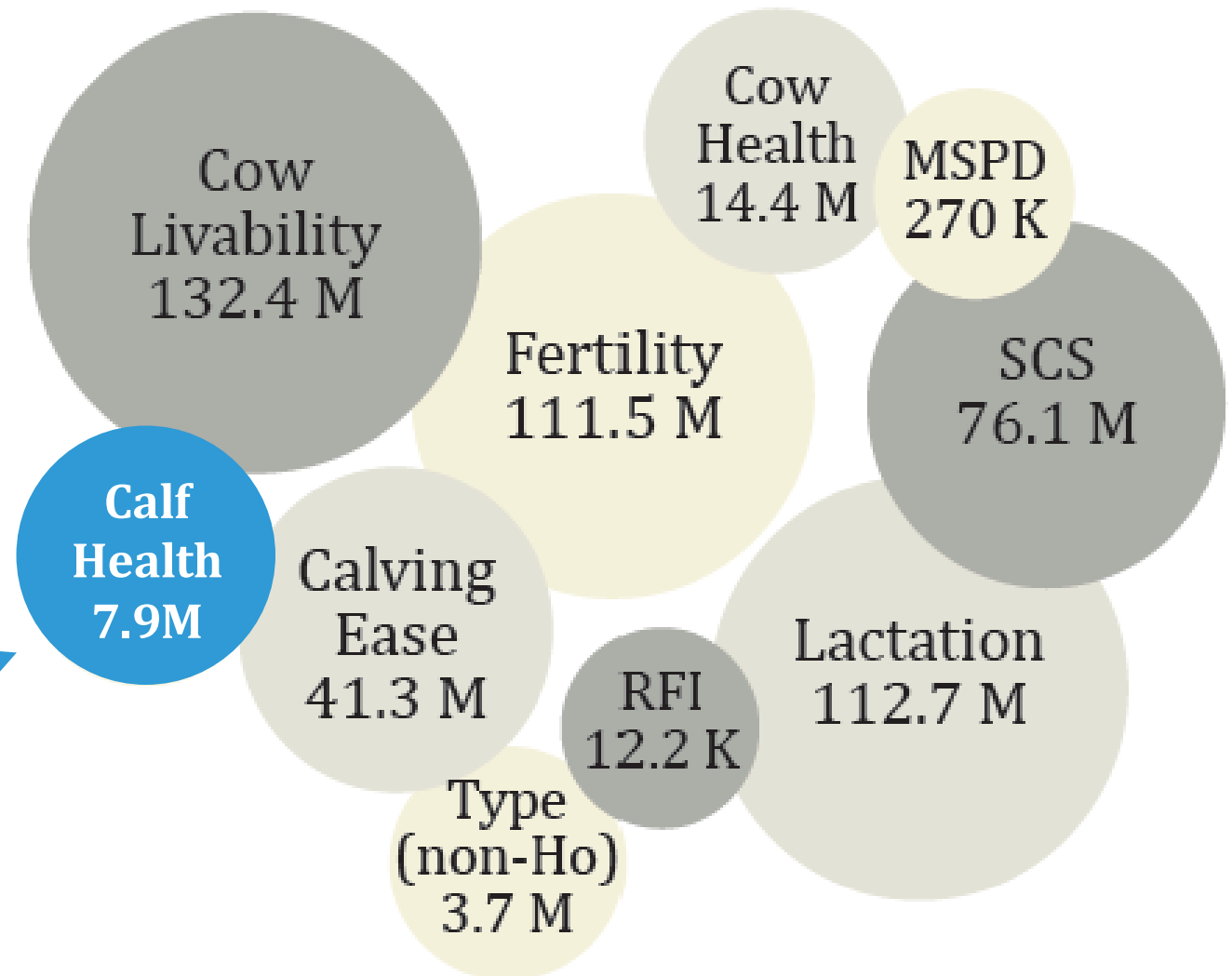


Number of records used in August 2026 evaluation

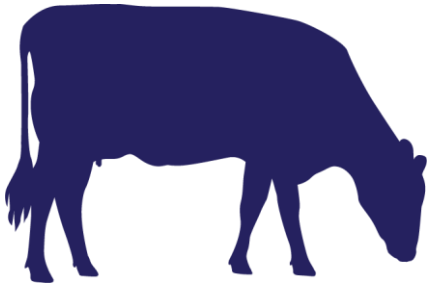
Calf Health Traits

- Large influx of data between research and launch
- Future improvements under investigation

Research Dataset ~ 1 million



Meet Modern Reproductive Performance



Cow



Daughter Pregnancy Rate

DPR

Predicts the percentage of non-pregnant cows that will become pregnant in each 21-day cycle.

Cow Conception Rate

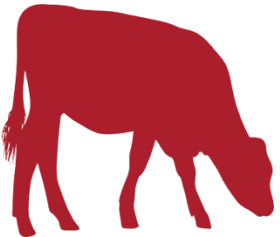
CCR

Predicts a lactating cow's ability to conceive; proportion of inseminations that result in pregnancy.

First Service to Conception

FSC

Predicts a lactating cow's ability to conceive; expressed in days from first service to conception.



Heifer

Heifer Conception Rate

HCR

Predicts a maiden heifer's ability to conceive; proportion of inseminations that result in pregnancy.

Early First Calving

EFC

Predicts ability to alter female offspring's age at first calving.

With high genetic correlations, you will see more alignment across PTA

Choosing the Trait by Management Practices

Trait	Expressed In	Application of Trait
First Service to Conception (FSC)	Days	Useful for producers who select voluntary waiting periods on a cow basis and want cows to get pregnant as quickly as possible after the first breeding without focusing on how many services it takes.
Daughter Pregnancy Rate (DPR)	Percentage (%)	Informational for producers who use a voluntary waiting period on a herd level and want cows to cycle, get bred, and become pregnant quickly, regardless of the number of services.
Cow Conception Rate (CCR)	Percentage (%)	Best for a producer who wants to improve conception rate success per service, since this trait reflects how many inseminations are needed.

New Parentage Verification Tool

- Whole-Genome SNP Parentage Verification approved by ICAR
- Certificates can be used to meet export requirements for U.S. animals into global markets
- Service providers are US-based genomic nominators, breed associations and NAAB




CDCB SNP Parentage Certificate

CANDIDATE INFORMATION			
PEDIGREE		GENOTYPE	
ID provided:	HOUSA0000000000001	Sample ID:	SAMPLE_1
Name:	NAME_ONE	Chip (1):	CHIP_1
DOB:	20180609	Gt. Lab:	LAB_1
Sex:	F		

SIRE AND DAM INFORMATION			
SIRE		DAM	
ID provided:	HOUSA0000000000002	ID provided:	HOUSA0000000000003
Name:	NAME_2	Name:	NAME_3
DOB:	20110531	DOB:	20120902
SampleID:	SAMPLE_2	SampleID:	SAMPLE_3
Chip (1):	CHIP_2	Chip (1):	CHIP_3
Homozygous:	26485	Homozygous:	26610
Conflicts:	13 (0.05%)	Conflicts:	16 (0.06%)

INTERPRETATION		
	SIRE	DAM
Parentage:	ACCEPTED	ACCEPTED

Looking Ahead...

- Improved POLLED calls
- Modernization of the genetic evaluation system
- Continued research that leads to new, economically important traits
- Enhanced data infrastructure
- A Lifetime Merit Index Review



Thank you!

