

COMPARING THE TRAITS: CCR vs. DPR vs. FSC

The August 2026 genetic evaluations produced two revised traits and one new trait for improving cow reproductive performance. To apply these three insights on the farm, it comes down to four simple steps.



1. UNDERSTAND THE TOOLS

Trait	Expressed In	Application of Trait
Cow Conception Rate (CCR)	Percent (%)	Best for a producer who wants to improve conception rate success per service, since this trait reflects how many inseminations are needed.
Daughter Pregnancy Rate (DPR)	Percent (%)	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.
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.

2. BE AWARE OF THE BREED MEAN

Predicted Transmitting Abilities (PTAs) are measured from the breed mean. While positive PTA values are desired for all three cow reproductive traits, knowing what “0” means can provide additional insight between traits that appear similar in application.

Breed Mean (What PTA “0” Indicates)

Trait	Unit	AY	BS	GU	HO	JE	MS
DPR	%	26.65	24.61	23.42	32.19	34.98	28.62
FSC	days	65.12	70.21	79.33	55.64	52.14	47.50

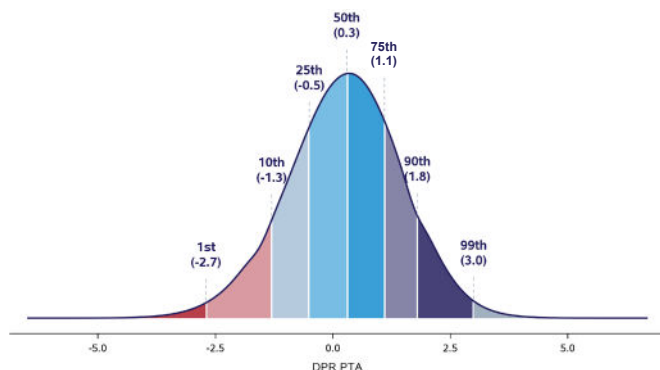
Female reproductive performance statistics for all traits and breeds.



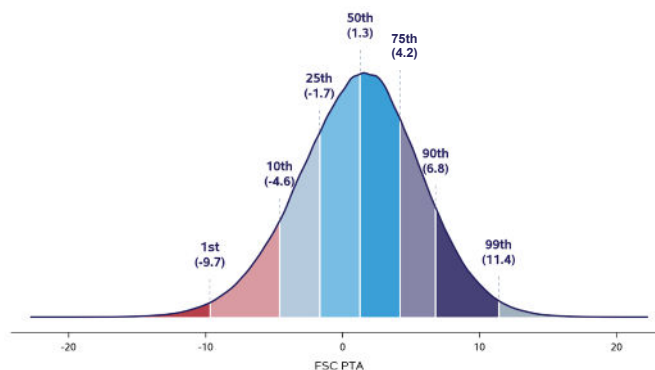
3. KNOW YOUR FEMALES

Don't forget about the genetic value your females bring to the table. These percentile ranges are a great resource for bench marking your herd average or individual cows.

Holstein: DPR PTA distribution and percentiles
Genotyped cows born in and since 2020. (n=6,879,439)



Jersey: FSC PTA distribution and percentiles
Genotyped cows born in and since 2020. (n=734,440)



4. SELECT YOUR MALES

Know how bulls fit into the bigger picture of available males. These ranges include all A.I. bulls with an active, foreign or genomic status after the August run.

Trait	Holstein		Jersey		Brown Swiss	
	Range	Mean	Range	Mean	Range	Mean
CCR	-8.8 to +8.8	+1.45	-7.3 to +5.7	+0.66	-4.7 to +5.1	+0.20
DPR	-6.4 to +5.6	+0.52	-4.4 to +5.6	+0.50	-2.3 to +3.2	+0.38
FSC	-22.6 to +23.4	+4.08	-19.5 to +17	+1.69	-11.2 to +14.4	-0.22

PRO TIP!

A FSC PTA of +5, means, on average, offspring will conceive in five fewer days than the breed average. Positive PTA values are desirable!

Stats for Benchmarking All New and Revised Reproductive Traits

August 2026

PTA Ranges of Active Bulls

Trait	Unit	AY (n = 15)	BS (n = 30)	GU (n = 26)	HO (n = 784)	JE (n = 121)	MS (n = 6)
CCR	%	-2.5 to +7.4	-2.9 to +4.4	-3.8 to +4.9	-7.7 to +8.8	-4.3 to +5.7	-4.7 to +2.1
DPR	%	-2.6 to +6.3	-1.7 to +2.2	-2.9 to +3.7	-5.1 to +5.6	-3.7 to +5.6	-3.2 to +1.6
EFC	days	-5.8 to +33.8	-8.7 to +8.3	-6.5 to +17.9	-16.5 to +7.8	-13.6 to +8.9	-1.3 to +9.7
FSC	days	-15.6 to +16.6	-8.0 to +9.2	-11.1 to +13.9	-22.6 to +23.4	-12.3 to +14.6	-15.1 to +5.4
HCR	%	-0.3 to +8.4	-2.2 to +4.0	-2.7 to +4.3	-5.5 to +5.0	-3.4 to +4.3	-3.0 to +1.8

PTA Ranges of Genomic Bulls

Trait	Unit	AY (n = 46)	BS (n = 124)	GU (n = 48)	HO (n = 4,313)	JE (n = 586)	MS (n = 0)
CCR	%	-2.4 to +2.8	-3.7 to +5.1	-3.4 to +5.8	-5.0 to +6.5	-7.3 to +5.2	-
DPR	%	-1.1 to +1.7	-2.3 to +3.2	-2.5 to +4.2	-3.8 to +4.2	-4.4 to +4.5	-
EFC	days	-8.7 to +12.1	-6.3 to +10.2	-7.1 to +9.7	-10.5 to +8.2	-8.4 to +7.3	-
FSC	days	-4.1 to +10.0	-11.2 to +14.4	-8.8 to +17.5	-15.1 to +19.0	-18.0 to +17.0	-
HCR	%	-2.2 to +1.6	-3.4 to +3.6	-2.1 to +3.7	-5.3 to +4.8	-4.1 to +3.6	-

PTA Ranges of Foreign Bulls

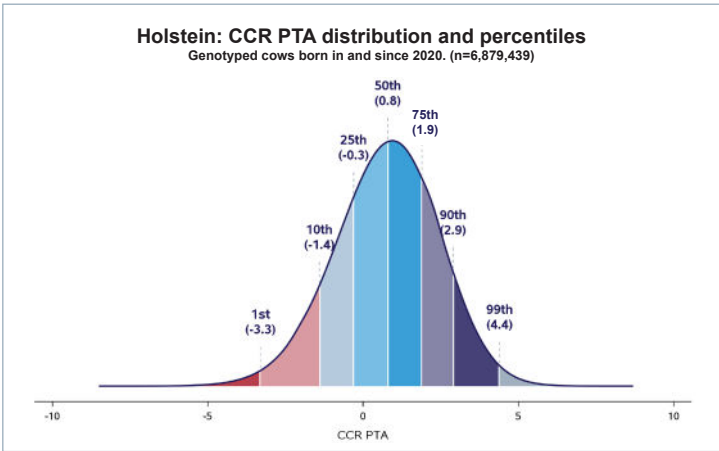
Trait	Unit	AY (n = 16)	BS (n = 17)	GU (n = 0)	HO (n = 636)	JE (n = 43)	MS (n = 0)
CCR	%	-1.9 to +8.7	-4.7 to +4.1	-	-8.8 to +5.2	-5.8 to +4.3	-
DPR	%	-1.5 to +5.2	-1.3 to +2.1	-	-6.4 to +4.9	-3.3 to +3.2	-
EFC	days	+3.5 to +26.8	-1.1 to +8.0	-	-11.1 to +6.4	-3.1 to +9.3	-
FSC	days	-7.3 to +14.7	-11.0 to +6.8	-	-14.0 to +13.0	-19.5 to +11.7	-
HCR	%	-1.0 to +7.9	-1.0 to +2.3	-	-5.2 to +3.7	-2.7 to +2.9	-

*No Guernsey or Milking Shorthorn bulls were reported with an “F” status for the August 2026 run.

Breed Averages

Trait	Unit	AY	BS	GU	HO	JE	MS
DPR	%	26.65	24.61	23.42	32.19	34.98	28.62
EFC	days	821.90	801.19	803.70	723.32	693.42	802.12
FSC	days	65.12	70.21	79.33	55.64	52.14	47.50

*Conception rate traits (CCR and HCR) measure the success rate of each breeding. The breed averages used for the traits are not converted to phenotypic averages. This limits the informative nature of this specific statistic for on-farm application.



Find Female Stats Here

With the reproductive performance trait revisions now complete, producers and genetic consultants can explore percentile ranking for genotyped females born in and since 2020 by scanning this QR code. Statistics are available for all five breeds with genomic evaluations and for all five female reproductive performance traits.

