

Linear Descriptive Traits

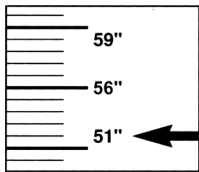


Holstein Association USA, Inc.

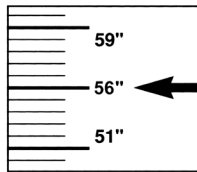
1 Holstein Place, PO Box 808, Brattleboro, VT 05302-0808
800.952.5200 www.holsteinusa.com

STATURE - ST

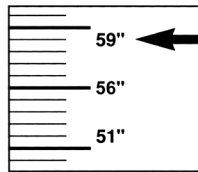
Primary Trait



1-5 pts.
Extremely short



25 pts.
Intermediate



45-50 pts.
Extremely tall

RUMP WIDTH - RW

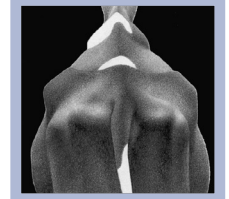
Primary Trait



1 pt. = 2"
Extremely narrow



25 pts. = 4-1/2"
Intermediate width



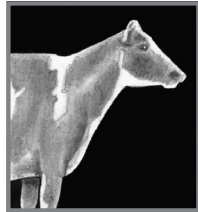
50 pts. = 7"
Extremely open

STRENGTH - SR

Primary Trait



1-5 pts.
Extremely narrow and frail



25 pts.
Intermediate



45-50 pts.
Extremely strong & wide

REAR LEGS, SIDE VIEW - LS

Primary Trait



1-5 pts.
Posty and straight



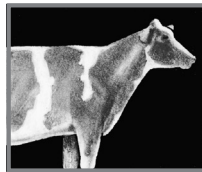
25 pts.
Intermediate set in hock



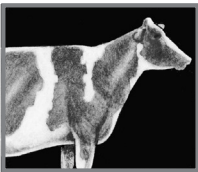
45-50 pts.
Extremely sickled

BODY DEPTH - BD

Primary Trait



1-5 pts.
Extremely shallow body



25 pts.
Intermediate



45-50 pts.
Extremely deep body

REAR LEGS, REAR VIEW - RL

Primary Trait



1-5 pts.
Severe toe-out



45-50 pts.
No toe-out

DAIRY FORM - DF

Primary Trait



1-5 pts.
Extremely tight



25 pts.
Intermediate



45-50 pts.
Extremely open

FOOT ANGLE - FA

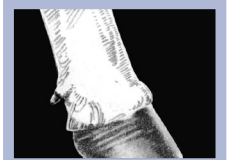
Primary Trait



1-5 pts.
Extreme low angle



25 pts.
Intermediate angle



45-50 pts.
Extremely steep angle

RUMP ANGLE - RA

Primary Trait



1-5 pts.
Pins clearly higher
than hooks



25 pts.
Slight slope from
hooks to pins



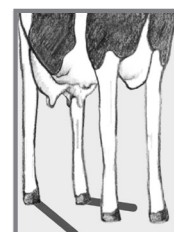
45-50 pts.
Extremely sloped from
hooks to pins

LOCOMOTION - LO

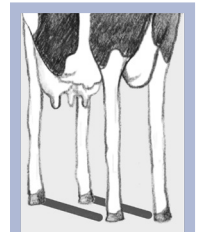
Research Trait



1-15 pts.
Severe abduction with short
stride and skating motion



20-35 pts.
Slight abduction
with medium stride



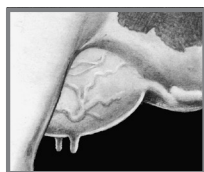
40-50 pts.
No abduction
with long stride

FORE UDDER ATTACHMENT - FU

Primary Trait



1-5 pts.
Extremely loose



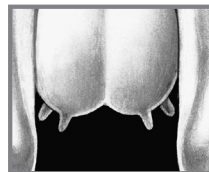
25 pts.
Intermediate strength



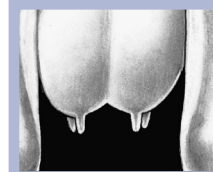
45-50 pts.
Extremely snug & strong

FRONT TEAT PLACEMENT - TP

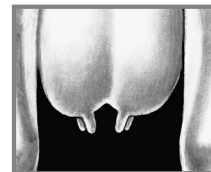
Primary Trait



1-5 pts.
Extremely wide placement
on outside of quarter



25 pts.
Centrally placed
on quarter



45-50 pts.
Base of teats on
extreme inside of quarter

REAR UDDER, HEIGHT - UH

Primary Trait



1-5 pts.
Extremely low



25 pts.
Intermediate height



45-50 pts.
Extremely high

FRONT TEAT LENGTH - TL

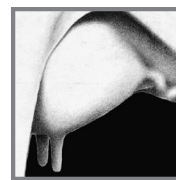
Primary Trait



1-5 pts.
1-1/4 inches or smaller



25 pts.
2-1/4 inches



45-50 pts.
3-1/4 inches or longer

REAR UDDER, WIDTH - UW

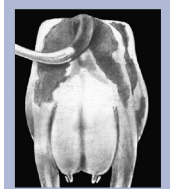
Primary Trait



1-5 pts.
Narrow rear udder



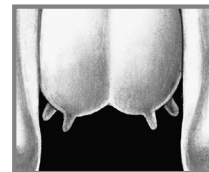
25 pts.
Intermediate width



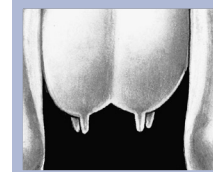
45-50 pts.
Extremely wide rear udder

REAR TEAT PLACEMENT - RT

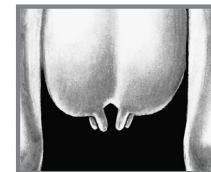
Primary Trait



1-5 pts.
Extremely wide placement
on outside of quarter



25 pts.
Centrally placed
on quarter



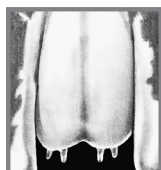
45-50 pts.
Base of teats on
extreme inside of quarter

UDDER CLEFT - UC

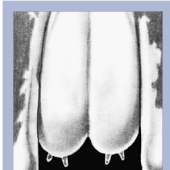
Primary Trait



1-5 pts.
Weak cleft



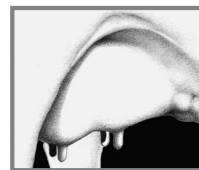
25 pts.
Intermediate



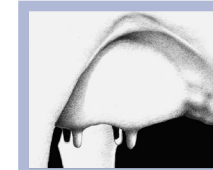
45-50 pts.
Extremely strong cleft

UDDER TILT - UT

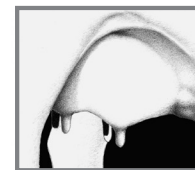
Research Trait



1-5 pts.
Rear quarters deep



30 pts.
Front and rear quarters level



45-50 pts.
Front quarters deep

UDDER DEPTH - UD

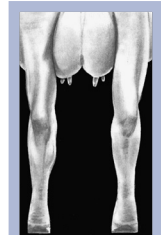
Primary Trait



1-5 pts.
Very deep udder floor
well below hocks



25 pts.
Udder floor
above hocks



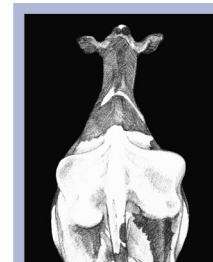
45-50 pts.
Extreme height of udder
floor above hocks

BODY CONDITION - CS

Research Trait



1-10 pts.



21-30 pts.



41-50 pts.

OPTIMUM SCORES FOR EACH TRAIT are indicated by a highlighted border around the image

FINAL SCORE

A cow's final score is based on the five major classification categories or breakdowns of front end and capacity, dairy strength, rump, feet and legs, and udder. The classifier numerically assigns each category a score ranging from 1 to 100 points. The numbers are based on the level of desirability exhibited by individual cows for each category compared to the true-type model. The final score is the sum of the five major breakdown scores weighted as follows:

COWS

Front End & Capacity	15%
Dairy Strength	20%
Rump	5%
Feet and Legs	20%
Udder	40%

BULLS

Front End & Capacity	40%
Dairy Strength	25%
Rump	10%
Feet and Legs	25%

In assigning major breakdown scores, the classifier considers such factors as age, number of lactations, and stage of lactation. Major breakdown and final score is expressed numerically. Those numbers correspond with the following brackets:

Excellent [E]	90-97 points	Good [G]	75-79 points
Very Good [VG]	85-89 points	Fair [F]	65-74 points
Good Plus [GP]	80-84 points	Poor [P]	50-64 points

MAJOR BREAKDOWN DESCRIPTIONS

FRONT END AND BODY CAPACITY 15%

The skeletal parts of the cow, with the exception of feet & legs, and rump. Listed in priority order, the descriptions of the traits to be considered are as follows:

Front End: Adequate constitution with front legs straight, wide apart and squarely placed. Shoulder blades and elbows set firmly against the chest wall. The crops should have adequate fullness.

Chest: Deep and wide floor with well-sprung fore ribs blending into the shoulders.

Barrel: Long, with adequate depth and width; spring of rib increasing toward the rear with a deep flank.

Back/Loin: Back should be straight and strong, with loin broad, strong, and nearly level.

Stature: Height including length in the leg bones with a long bone pattern throughout the body structure. Height at withers and hips should be relatively proportionate.

Breed Characteristics: Exhibiting overall style and balance. Head should be feminine, clean-cut, slightly dished with broad muzzle, large open nostrils and strong jaw.

DAIRY STRENGTH 20%

A combination of dairyness and strength which supports sustained production and longevity. Major consideration is given to general openness and angularity while maintaining strength, width of chest, spring of fore rib, and substance of bone with freedom from coarseness. Body condition should be appropriate for the stage of lactation. Listed in priority order, the descriptions of the traits to be considered are as follows:

Ribs: Wide apart. Rib bones wide, flat, deep, and slanted toward the rear.

Width of Chest: Wide, showing capacity for vital organs.

Spring of Fore Rib: Well sprung, expressing fullness and extending outside the point of elbows.

Thighs: Lean, in-curving to flat and wide apart from the rear.

Withers: Sharp with chine prominent.

Neck: Long, lean, and blending smoothly into shoulders; clean-cut throat, dewlap, and brisket.

Skin: Thin, loose, and pliable.

RUMP 5%

The rump should be long and wide throughout with thurls centrally placed to enhance mobility. Listed in priority order, the descriptions of the traits to be considered are as follows:

Rump Angle: Pin bones should be slightly lower than hip bones.

Rump Width: Thurls should be wide apart with adequate pin width.

Vulva: Should be nearly vertical and the anus should not be recessed.

Tail Head: Should set slightly above and neatly between pin bones and be free from coarseness.

FEET AND LEGS 20%

Feet and rear legs are evaluated. Evidence of mobility is given major consideration. Listed in priority order, the descriptions of the traits to be considered are as follows:

Rear legs, Rear view: Straight, wide apart with feet squarely placed.

Locomotion: The use of feet and rear legs, including length and direction of step.

Rear legs, Side view: Moderate set (angle) to the hock.

Feet: Steep angle and deep heel with short, well-rounded closed toes.

Thurl Position: Centrally placed between hip and pin bones.

Hocks: Cleanly molded, free from coarseness and puffiness with adequate flexibility.

Bone: Flat and clean with adequate substance.

Pasterns: Short and strong with some flexibility.

Slightly more emphasis placed on Feet than on Rear Legs when evaluating this breakdown.

UDDER 40%

The udder traits are evaluated. Major consideration is given to the traits that contribute to high milk yield and a long productive life. Listed in priority order, the descriptions of the traits to be considered are as follows:

Udder Depth: Moderate depth relative to the hock with adequate capacity and clearance. Consideration is given to lactation number and age.

Fore Udder: Firmly attached with moderate length and ample capacity.

Rear Udder: Wide and high, firmly attached with uniform width from top to bottom and slightly rounded to udder floor.

Teat Placement: Squarely placed under each quarter, plumb and properly spaced from side and rear views.

Udder Cleft: Evidence of a strong suspensory ligament indicated by adequately defined halving.

Teats: Cylindrical shape; uniform size with medium length and diameter.

Udder Balance and Texture: Udder floor level as viewed from the side. Quarters evenly balanced; soft, pliable and well collapsed after milking.