Linear Descriptive Traits
**STATURE - ST**

Primary Trait

<table>
<thead>
<tr>
<th>1-5 pts.</th>
<th>25 pts.</th>
<th>45-50 pts.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extremely short</td>
<td>Intermediate</td>
<td>Extremely tall</td>
</tr>
</tbody>
</table>

**STRENGTH - SR**

Primary Trait

<table>
<thead>
<tr>
<th>1-5 pts.</th>
<th>25 pts.</th>
<th>45-50 pts.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extremely narrow and frail</td>
<td>Intermediate</td>
<td>Extremely strong &amp; wide</td>
</tr>
</tbody>
</table>

**BODY DEPTH - BD**

Primary Trait

<table>
<thead>
<tr>
<th>1-5 pts.</th>
<th>25 pts.</th>
<th>45-50 pts.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extremely shallow body</td>
<td>Intermediate</td>
<td>Extremely deep body</td>
</tr>
</tbody>
</table>

**STRENGTH - SR**

Primary Trait

<table>
<thead>
<tr>
<th>1-5 pts.</th>
<th>25 pts.</th>
<th>45-50 pts.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extremely narrow and frail</td>
<td>Intermediate</td>
<td>Extremely strong &amp; wide</td>
</tr>
</tbody>
</table>

**RUMP WIDTH - RW**

Primary Trait

<table>
<thead>
<tr>
<th>1 pt. = 2”</th>
<th>25 pts. = 4-1/2”</th>
<th>50 pts. = 7”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extremely narrow</td>
<td>Intermediate width</td>
<td>Extremely open</td>
</tr>
</tbody>
</table>

**REAR LEGS, SIDE VIEW - LS**

Primary Trait

<table>
<thead>
<tr>
<th>1-5 pts.</th>
<th>25 pts.</th>
<th>45-50 pts.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Posty and straight</td>
<td>Intermediate set in hook</td>
<td>Extremely sickled</td>
</tr>
</tbody>
</table>

**REAR LEGS, REAR VIEW - RL**

Primary Trait

<table>
<thead>
<tr>
<th>1-5 pts.</th>
<th>25 pts.</th>
<th>45-50 pts.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severe toe-out</td>
<td>No toe-out</td>
<td></td>
</tr>
</tbody>
</table>

**DAIRY FORM - DF**

Primary Trait

<table>
<thead>
<tr>
<th>1-5 pts.</th>
<th>25 pts.</th>
<th>45-50 pts.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extremely tight</td>
<td>Intermediate</td>
<td>Extremely open</td>
</tr>
</tbody>
</table>

**FOOT ANGLE - FA**

Primary Trait

<table>
<thead>
<tr>
<th>1-5 pts.</th>
<th>25 pts.</th>
<th>45-50 pts.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extreme low angle</td>
<td>Intermediate angle</td>
<td>Extremely steep angle</td>
</tr>
</tbody>
</table>

**RUMP ANGLE - RA**

Primary Trait

<table>
<thead>
<tr>
<th>1-5 pts.</th>
<th>25 pts.</th>
<th>45-50 pts.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pins clearly higher than hooks</td>
<td>Slight slope from hooks to pins</td>
<td>Extremely sloped from hooks to pins</td>
</tr>
</tbody>
</table>

**LOCOMOTION - LO**

Research Trait

<table>
<thead>
<tr>
<th>1-15 pts.</th>
<th>20-35 pts.</th>
<th>40-50 pts.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severe abduction with short stride and skating motion</td>
<td>Slight abduction with medium stride</td>
<td>No abduction with long stride</td>
</tr>
</tbody>
</table>
**Primary Trait**

**REAR UDDER, HEIGHT - UH**
- 1-5 pts. Extremely low
- 25 pts. Intermediate height
- 45-50 pts. Extremely high

**REAR UDDER, WIDTH - UW**
- 1-5 pts. Narrow rear udder
- 25 pts. Intermediate width
- 45-50 pts. Extremely wide rear udder

**REAR TEAT PLACEMENT - RT**
- 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**
- 1-5 pts. Weak cleft
- 25 pts. Intermediate
- 45-50 pts. Extremely strong cleft

**UDDER DEPTH - UD**
- 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

**FRONT TEAT PLACEMENT - TP**
- 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

**FRONT TEAT LENGTH - LF**
- 1-1/4 inches or smaller
- 2-1/4 inches
- 3-1/4 inches or longer

**UDDER TILT - UT**
- 1-5 pts. Rear quarters deep
- 30 pts. Front and rear quarters level
- 45-50 pts. Front quarters deep

**FORE UDDER ATTACHMENT - FU**
- 1-5 pts. Extremely loose
- 25 pts. Intermediate strength
- 45-50 pts. Extremely snug & strong

**BODY CONDITION - CS**
- 1-10 pts.
- 21-30 pts.
- 41-50 pts.

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front End &amp; Capacity</td>
<td>15%</td>
</tr>
<tr>
<td>Dairy Strength</td>
<td>20%</td>
</tr>
<tr>
<td>Rump</td>
<td>5%</td>
</tr>
<tr>
<td>Feet and Legs</td>
<td>20%</td>
</tr>
<tr>
<td>Udder</td>
<td>40%</td>
</tr>
</tbody>
</table>

**BULLS**

<table>
<thead>
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<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
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<td>40%</td>
</tr>
<tr>
<td>Dairy Strength</td>
<td>25%</td>
</tr>
<tr>
<td>Rump</td>
<td>10%</td>
</tr>
<tr>
<td>Feet and Legs</td>
<td>25%</td>
</tr>
</tbody>
</table>

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
- **Very Good [VG]** 85-89 points
- **Good Plus [GP]** 80-84 points
- **Good [G]** 75-79 points
- **Fair [F]** 65-74 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.

**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.