<table>
<thead>
<tr>
<th>Country</th>
<th>Argentina</th>
</tr>
</thead>
</table>

**Trait category:**
- Conformation

**Individual trait(s):**
- Udder
- Locomotion
- Other

Evaluation:
Sociedad Rural Argentina
Florida 460
(1005) Buenos Aires, Argentina
Facsimile +54 1 325 8231
E-mail danmu@sra.org.ar

Publication:
Asoc. Criadores Holando Argentino
Laprida 1818
(1425) Buenos Aires, Argentina
Facsimile +54 1 805 8352
ARGENTINA

<table>
<thead>
<tr>
<th>Conformation traits</th>
<th>Udder: udder texture, fore udder attachment, rear udder attachment, median suspensory, fore udder teat placement, rear udder teat placement, mammary system, fore udder, rear udder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Locomotion:</td>
<td>rear heel, bone quality, set of rear legs, feet &amp; legs</td>
</tr>
<tr>
<td>Other:</td>
<td>stature, size, style, dairyness, head, chest floor, loin strength, rump width, pin setting, final class, general appearance, dairy character, capacity, rump</td>
</tr>
</tbody>
</table>

**Breed(s)**

Holstein

**Trait definition and unit(s) of measuring**

Most traits are scored on a linear 1-9 point scale, except for descriptive traits: final class, general appearance, dairy character, capacity, rump feet & legs, mammary system, fore udder and rear udder, which are scored in 18 classes.

**Method of measuring and collecting data**

Scored by official classifier

**Time period for data inclusion**

Since 1985

**Age groups**

1st score, no age restriction

**Genetic parameters**

- $h^2_{\text{udder traits}} = 0.07$ to $0.17$
- $h^2_{\text{locomotion traits}} = 0.05$ to $0.17$
- $h^2_{\text{other traits}} = 0.10$ to $0.41$

**Sire categories**

All

**Environmental effects pre-adjustment evaluation model**

None

Herd x year x classifier, age at calving, stage of lactation at classification

**Base for age adjustment**

None

**Use of genetic groups and/or relationships**

Relationship matrix with sires and MGS

**Method (model) of genetic evaluation**

ST BLUP SM

**System validation**

-

**Expression of proof**

ETA standardized with $M = 0$ and $SD = 5$, higher values are more desirable, except for pin setting and set of rear legs, where medium values are more desirable

**Genetic (reference) base**

Bulls ≥ 5 daughters and REL ≥ 30%

**Criteria for official publication of sire proofs**

≥ 10 daughters in ≥ 3 herds

**Number of evaluations/publications per year**

Two
<table>
<thead>
<tr>
<th>Conformation traits continued</th>
<th>Udder</th>
<th>Locomotion</th>
<th>Other</th>
</tr>
</thead>
</table>

### Use in total merit index

**IPF:**

\[
3 \times (0.5 \times \text{kg milk} + 0.5 \times \text{kg fat}) + (0.5 \times \text{mammary system} + 0.3 \times \text{final score} + 0.2 \times \text{feet & legs})
\]

### Key reference on methodology applied