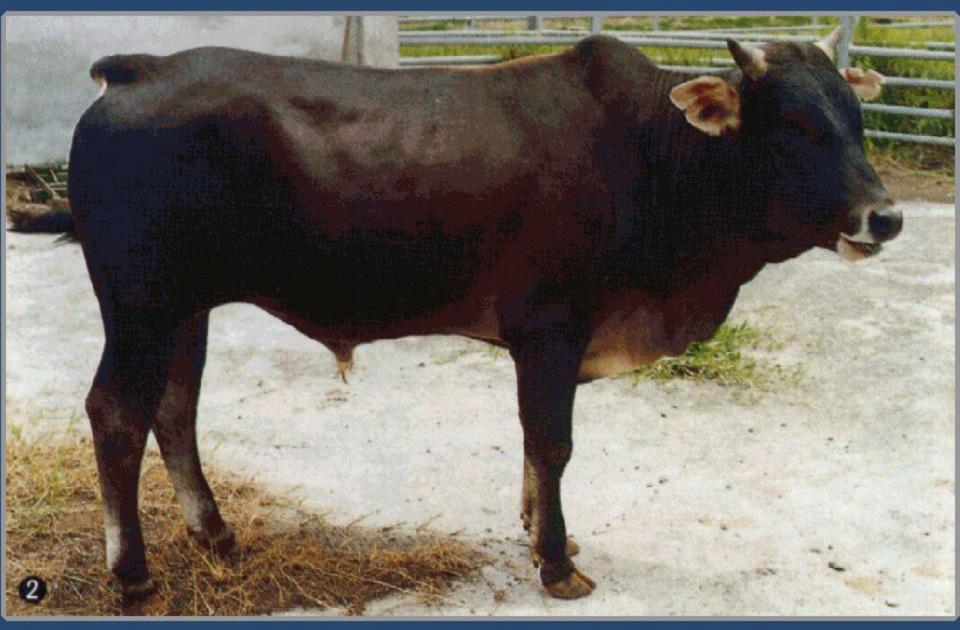


Bull





Coat color varied with yellow, red, brown, black and gray.



Coat color varied with vellow red brown black and gray



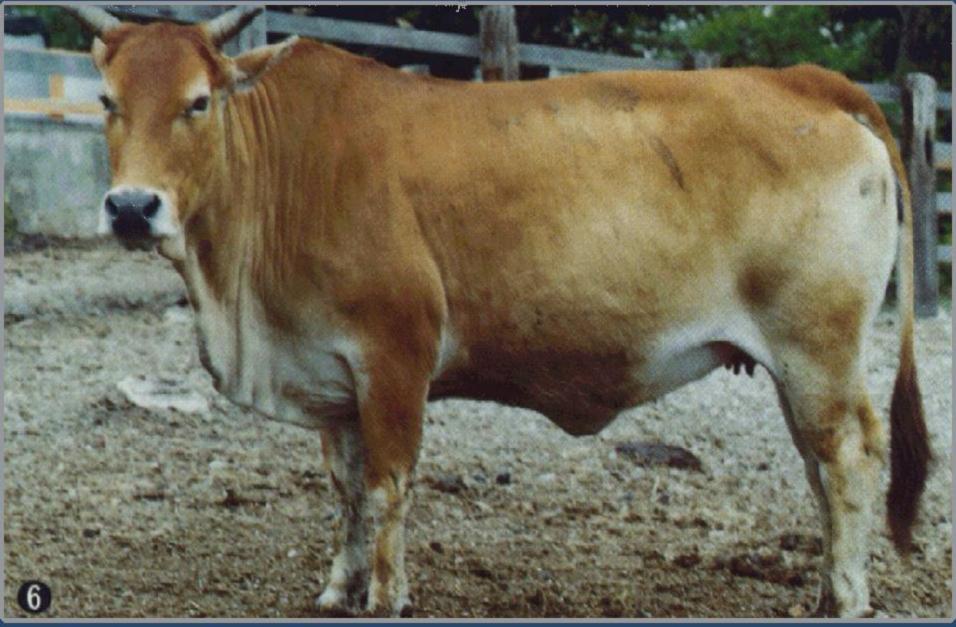
Coat color varied with yellow, red, brown, black and gray. Bull has larger pointed shoulder than cow has.



Coat color varied with yellow, red, brown, black and gray.



Coat color varied with vellow red brown black and gray



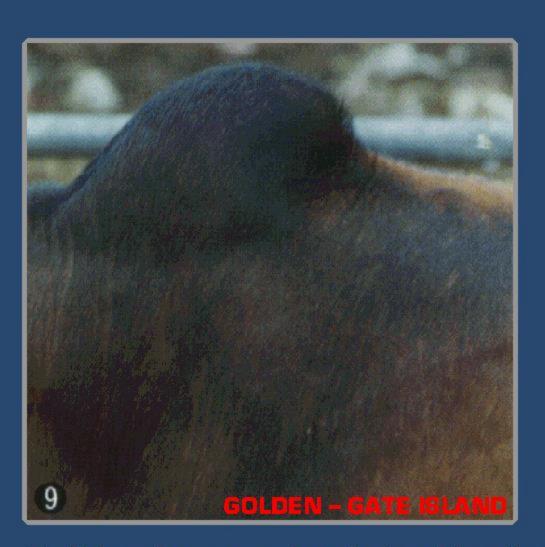
Coat color varied with vellow rad brown black and gray

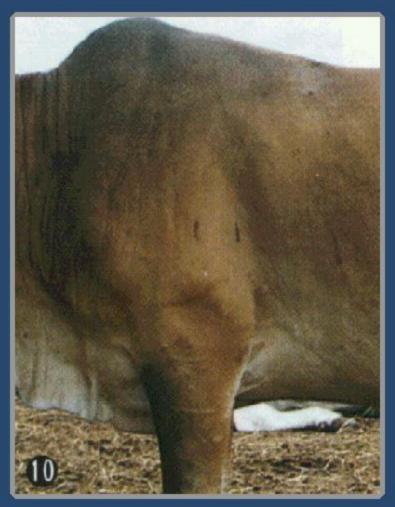


Rull has larger pointed shoulder than cow has

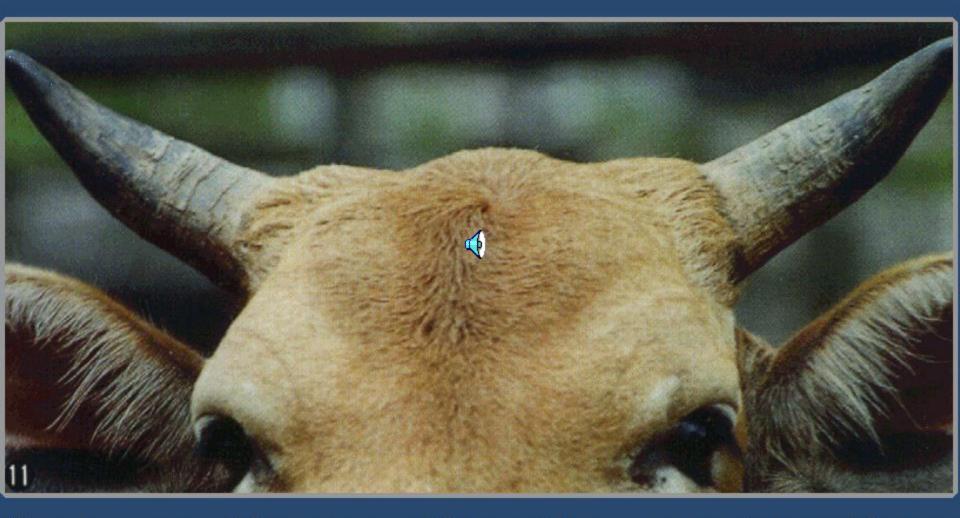


Bull has larger pointed shoulder than cow has.

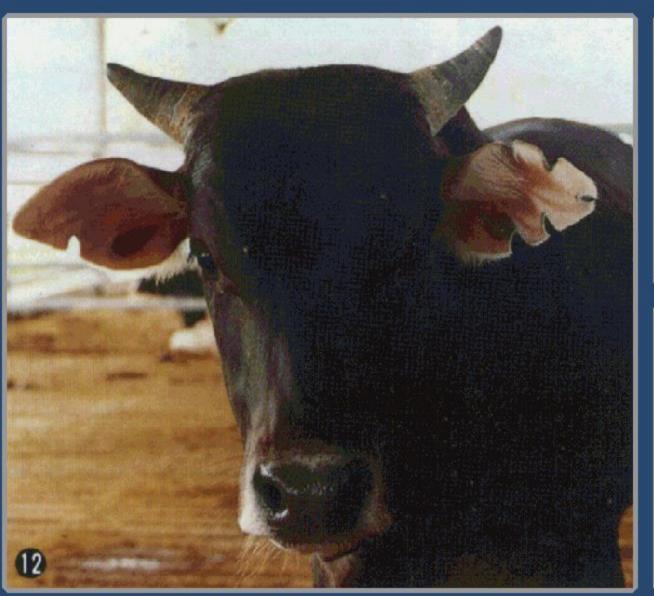


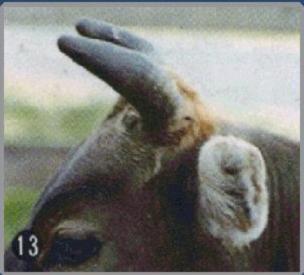


Bull has larger pointed shoulder than cow has.



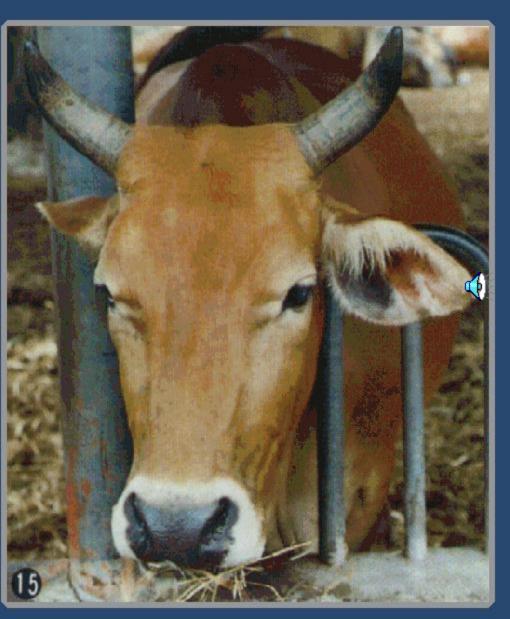
Cow has a small horn-base with sweptfore, crescent-shaped horns. Hornbase with coarse and ring-type wrinkles.







Hornbase with coarse and ring-type wrinkles.



Black snout with light black at edge.

Small, thin ears but not hanging.

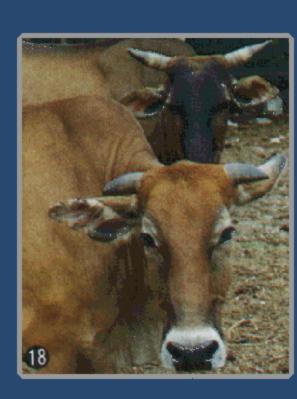


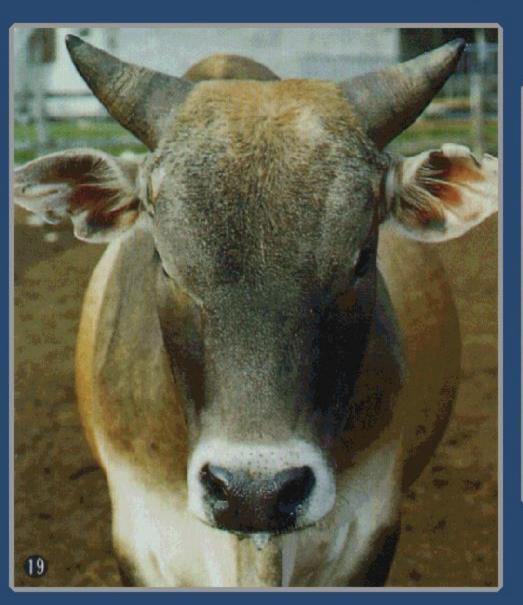
Small, thin ears but not hanging.

Black snout with light black at edge.



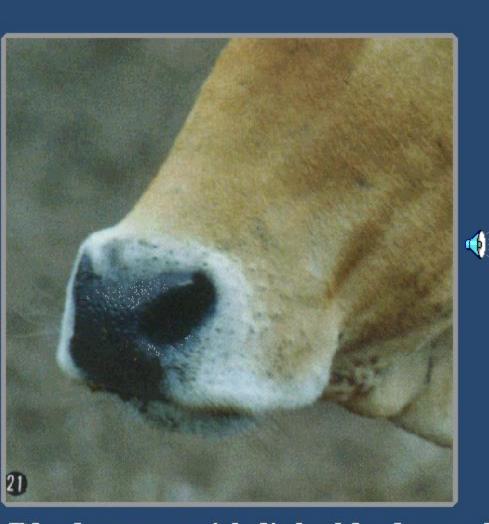
Hornbase with coarse and ring-type wrinkles.

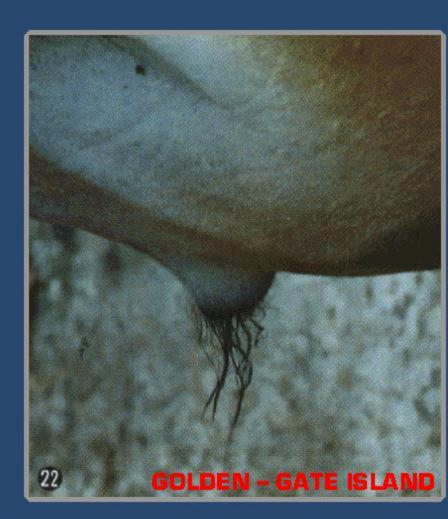






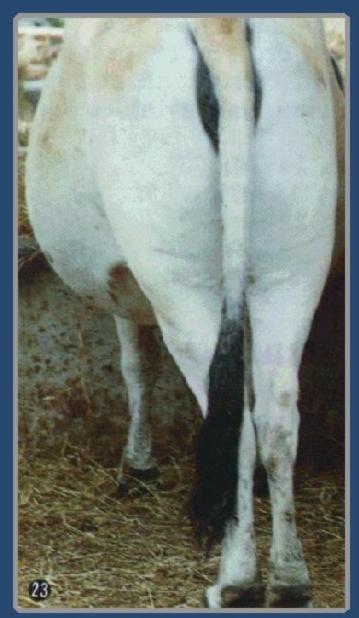
Bull has a large sweptout, crescent-shaped horns.

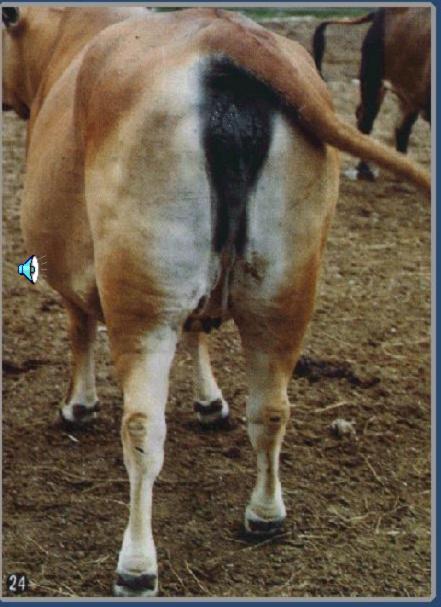




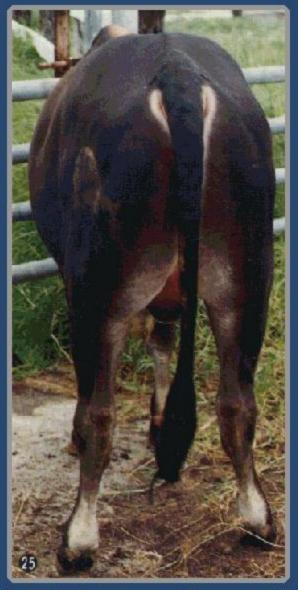
Black snout with light black at edge.

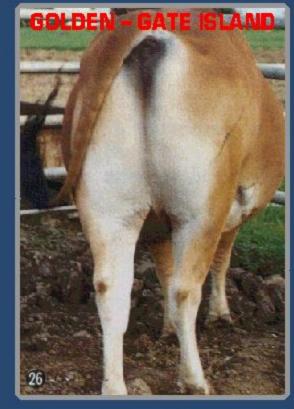
Bull prepuce is short and doesn't droop.





Tip of tail dark brown or black







Belly, inside of legs and rearside of hindlegs are paler than the rest

/ ■	
Growth	Performance

Birth weight

Body length at birth

Whithers height at birth

Hip height at birth

Chest girth at birth

Body weight at weaning(205 days old)

Hip height at weaning

Scrotal circumference at weaning

Yearing weight

Feed conversion(gain/dry feed)

Mean + SE

 $23.46 \pm 4.50 \text{ Kg}$

 58.77 ± 4.52 cm

64±4 cm

66±4 cm

 65 ± 5 cm

 $130 \pm 36 \text{ Kg}$

97±5 cm

 16.87 ± 3.84 cm

223 Kg

0.096 Kg

Male

Growth Performance

Birth weight

Body length at birth

Whithers height at birth

Hip height at birth

Chest girth at birth

Body weight at weaning(205 days old)

Hip height at weaning

Scrotal circumference at weaning

Yearing weight

Feed conversion(gain/dry feed)

Mean + SE

 $20.71 \pm 3.12 \text{ Kg}$

55.18 ± 3.19 cm

 63 ± 3 cm

 65 ± 3 cm

62±4 cm

 $122 \pm 30 \text{ Kg}$

96±6 cm

 16.87 ± 3.84 cm

218 Kg

0.079 Kg

Female

Reproductive Performance

Age at puberty 421 ± 64 days

Body weight at first parity 310±43 Kg

Mature weight of cows 393 ± 63 Kg

Length of estrous cycle 20 - 26 days

Gestation length 285±4 days

Milk Production

Length of lactation: 200 – 210 days

Daily milk yield : 2.7 Kg

Protein : 4.36 %

Lactose : 4.34 %

Acidity : 0.14 %

Milk pH : 6.1

Gravity : 1.033

Living Habits

- 1. Docile.
- 2. Heat tolerance.
- 3. Accept coarse food and tick resistant.