COWS

Upright ear posture longer - Cows are **excited**Forward facing ear posture longer - Cows are **frustrated**Clearly visible eye white and ears are forward or upright cows are **excited**Ears Hanging Down - Cows are **relaxed**Half Closed Eyes - Cows are **relaxed**

PIGS

Back Ear Position/Posture - Pigs are in Aversion and Negative

One Ear Forward, other ear sideward or backward (**Asymmetrical**) - Pig is in **Negative Emotions**

Both Ears in **Sidewards** - Pigs shows **positive emotions**

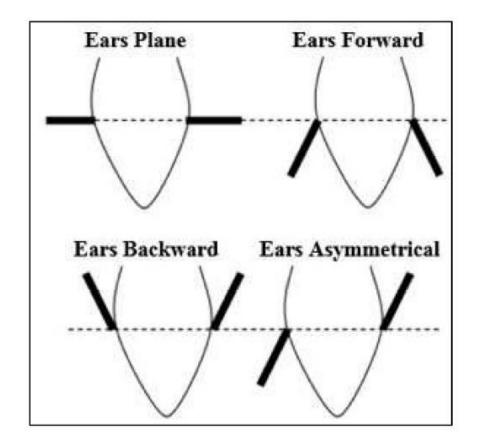
Standing Upright Ears - Pigs are in Normal State

Ears Hanging and flipping in the direction of eyes - Pigs are in Normal State

Both ears forward - Pig is alert and neutral

Ears Backwards and Eyes Open Less - Pigs Retreat or Withdrawal from attack (Camerlink et al., 2018)

Ears Erect (not necessarily upright) and Eyes Widely Opened - Pigs are in aggression



The Piglet Grimace Scale

Ear Position

Absent (0)





In the baseline position, ears are both facing forward

Somewhat present (1)





One ear is in the baseline position

Moderately present (2)





Neither ear is in the baseline position; both ears are pulled back but not pressed against the body

Obviously present (3)





Both ears are pulled back and pressed against the body

• Determine ear position by looking at the base of the ear (point that connects to the piglet's head)

Cheek Tightening/ Nose Bulge

Absent (0)

Moderately present (1)







Smooth transition from or bulge present.

view by looking above the lip line





Slight bulge on the snout

• Determine nose bulge when the piglet's face is in profile





bulge on the snout

Orbital Tightening

Absent (0)



Eyes are bright and open



Orbital area is narrowed as the eyelids are squeezed

Ear position



Not present (0) The ears are kept forward



Moderately present (1)
The ears are slightly moved backwards, the distance between the ear tip increase



Obviously present (2)
When the animal is in pain, the ears are
drawn back from forward position

Orbital tightening



Not present (0)
The eyes are open, white can be visible



Moderately present (1)

The orbital area is narrowed, eyes are semi-closed and not focused on the environment or closed with eyelids are squeezed together

Cheek tightening / Nose bulge



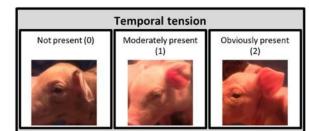
Not present (0)
No snout bulge neither cheek tension is



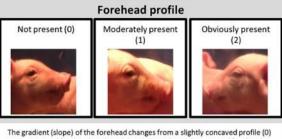
Moderately present (1)
A bulge of skin is apparent on the snout in response to increased tension in the cheek, wrinkles are not visible



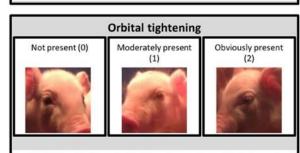
Obviously present (2)
A bulge of skin is apparent on the snout in response to cheek tightening, wrinkles are clearly visible



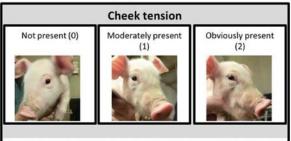
The ear base is moved slightly upwards and backwards. The distance between the base of the ears is slightly (1) or substantially reduced (2) with the ears moved upwards & backwards (2).



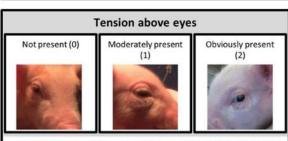
to an increased forehead gradient (1) and to an obviously increased forehead gradient with flat profile.



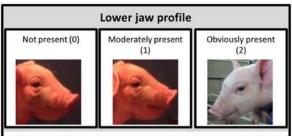
The eye aperture decreases with eyelid semi-closed (1) to substantially and completely closed (2).



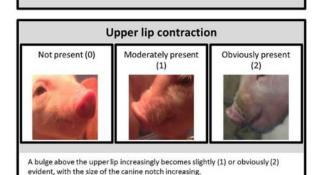
The cheek change from a rounded and bulging appearance (0) to a slight (1) or considerable (2) flattening as the cheek tension increases.

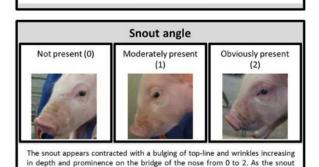


The eyebrow changes from a gently (0) to a more pronounced (1) and to considerable curving of the eyebrow

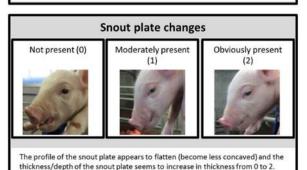


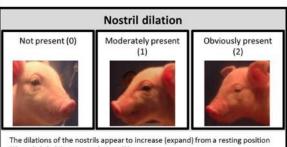
The profile of the lower jaw changes from a concaved (0) to a slightly (1) or more obvious (2) flatter (less concaved) appearance, with skin on the lower jaw becoming tighter.





profile changes, the angle of the snout plate relative to the mouth decreases.





(0) to slightly (1) or more obvious (2).