



Supplementary table

Table S1. Locomotion scoring strategy used to measure lameness in dairy goats (adapted from Deeming et al. 2018).

| Severity Score | Label | Clinically Lame | Limping | Gait Description | Modifications |
|----------------|-----------------|--------------------|---------|--|--|
| 0 | Normal/not lame | No | No | Moving forward with even strides where hooves track up. Weight-bearing and no apparent head nodding. | |
| 1 | Uneven gait | No | Uneven | Moving forward with shorter strides where hooves do not track up. Weight-bearing, and having an absent head nodding, however, have joints that may show stiffness. | |
| 2 | Mildly lame | No | Yes | Moving forward with shorter strides where hooves do not track up. One or more legs/feet may be affected. Weight-bearing, and having an absent head nodding, however, may show a mild limp. | |
| 3 | Moderately lame | Yes | Yes | Reluctant to move forward and may display a moderate limp. One or more legs could be affected and may display some goose-stepping. | |
| 4 | Severely lame | Yes | Yes | Walking on the knees. Refusal to bear any weight on one foot. Severe limping or extreme goose-stepping. | If there is no limp, however, they are walking forward and weight-bearing reluctantly. Multiple feet are involved. |