Is the Qualitative Behaviour Assessment using the fixed list approach a suitable method to assess positive emotions in growing pigs?

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Introduction
Animal Welfare
Assessment of positive emotions
Introduction

Qualitative Behaviour Assessment
Introduction

Statistics
Interobserver reliability of videosequences
Interobserver reliability of videosequences

Comparison of Principal Components 1 and 2

active 0.75
relaxed 0.66
fearful 0.46
agitated 0.57
calm 0.64
content -0.40
tense 0.41
enjoying -0.15
frustrated -0.05
bored -0.27
playful 0.60
pos. occupied 0.21
listless 0.02
lively 0.60
indifferent -0.11
irritable 0.34
aimless -0.34
happy 0.26
distressed 0.06
sociable 0.29
Intraobserver reliability of videosequences

Introduction

Videosequences
Videosequences

Intraobserver reliability of videosequences

Comparison of Principal Components 1 and 2
Introduction

On-farm assessments

Interobserver reliability of on-farm assessments
Interobserver reliability of on-farm assessments
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On-farm assessments
On-farm assessments

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On-farm assessments
Discussion & Conclusion

• Videosequences: Good inter- and intraobserver reliability
• On-farm: Insufficient interobserver and retest reliability
• Contradiction to literature?
  - Usually videosequences
  - Often Free Choice Profiling
• Videosequences vs. on-farm
  - Informational content of videos smaller
  - More deflections, more possibilities of focus, vocalisation on-farm
• Use of Qualitative Behaviour Assessment as tool for the evaluation of positive emotions on-farm questionable
  - Validity?
  - Better suitable parameters (play behaviour, Novel Object Test, ... )