Cross suckling from a sow perspective – which sow nurses alien piglets?

Anna Wallenbeck, Terhi Alanko & Lotta Rydhmer Swedish University of Agricultural Sciences Department of Animal Breeding and Genetics

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Cross suckling

- The piglet is the actor
- Occasionally or consistently
- Leads to
 - Fighting at the udder
 - Higher proportion of missed nursings
 - Reduction in weight gain of piglets?
- Related to synchronization of nursings within the group
- Sows distinguish between own and other sows' piglets at the udder

Olsen et al., 1998; Pedersen et al., 1998; Maletínská and Śpinka, 2001; Ilmann et al., 2007 Swedish University of Agricultural Sciences



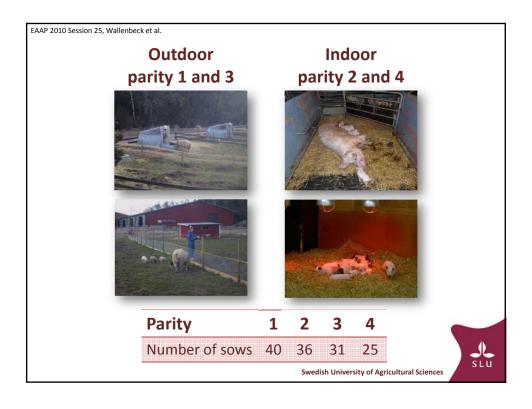
EAAP 2010 Session 25, Wallenbeck et al.

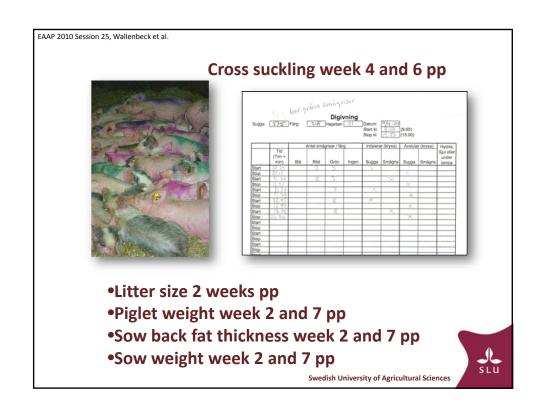
Is 'nursing alien piglets' an individual trait of the sow?

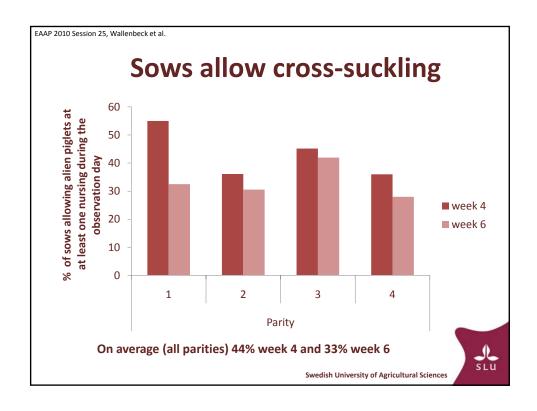
What characterises sows that allow alien piglets to suckle?

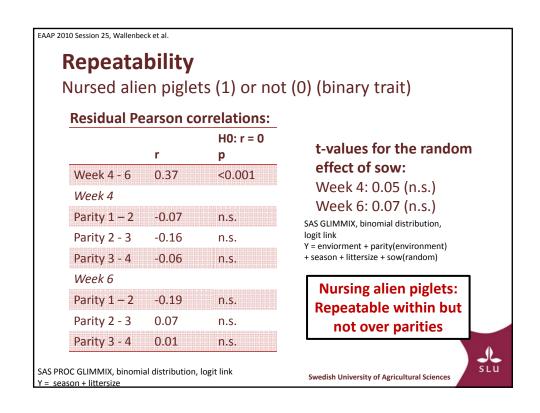
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Allowing cross suckling: Yes or No

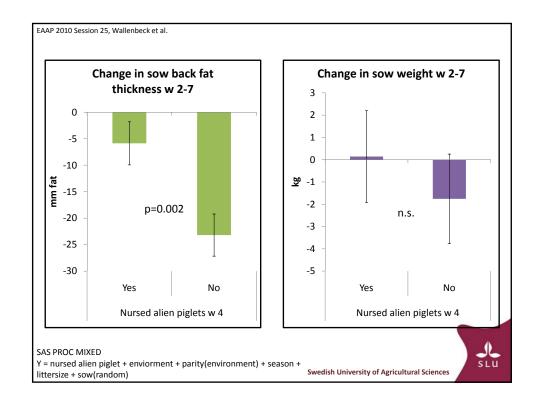
No difference between sow groups (Yes or No) in:

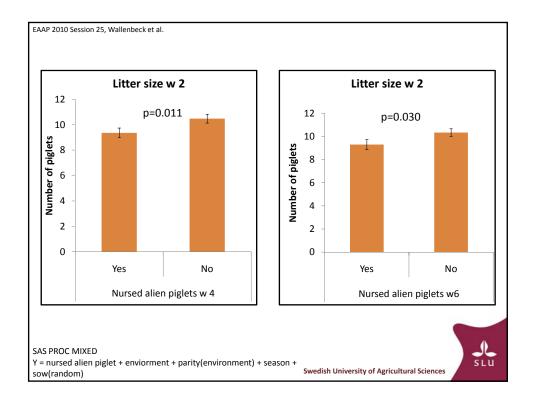
- piglet weight 2 or 7 weeks pp
- piglet growth 2 to 7 weeks pp
- sow weight 2 weeks pp
- sow backfat thickness 2 weeks pp



SAS PROC MIXED

Y = nursed alien piglet + enviorment + parity(environment) + season + littersize + sow(random)





Conclusions

The influence of the sow on the occurrence of cross suckling is repeatable within, but not over parities.

Sows nursing alien piglets have smaller litters and use less of their body resources during lactation.

Thanks for listening!

Our interpretation of these results is that allowing cross suckling is not an individual trait of the sow, and thereby not a part of a general individual maternal ability. Cross suckling is more "the icing on the cake": when the sow has extra resources to provide, she is more generous towards alien piglets.

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