4 pigs:
- 1 neutered Duroc, 6-8 months old
- 3 breeding Mangalitza: 2 F and 1 M (B1)
- No acquisition of new Mangalitza since 2000

Since 2008: Low reproduction success, lameness and occasional mortality

Serology: 4/4
Culture: 1/4 (B1: B. suis 2 isolated from various organs)
qPCR: 1/4 (B1)
Macroscopic lesions: 0/4

Duroc juveniles regularly sold for fattening

Unknown farms

45 pigs: fattening + breeding Mangalitza, incl. 17 newborns
- Start in 2001, all pigs of Swiss origin; continuous increase of piglet number until 2007
- 3-wires electrified fence
- Hybrid births wild boar x Mangalitza in 2004
- B1 never in contact with B2

2008-2009: Sudden decrease of piglet number (from 80 to < 30) despite same number of breeding adults → breeding boar (B1) infertile? → acquisition of boar B2
- September 2009: Death of B2 → B. suis isolated in epididymis

Serology: 16/21 (76,2%)
Culture: 5/16 (31.25%)
qPCR: 6/16 (37.5%)
Macroscopic lesions: 5/16 (31.3%)

P12

Since 2005: regular exchanges of sows

Since 2005: regular exchanges of B1, last time in 2009, one week after arrival of B2 in P5

B1

B2

P5

March 2009: selling B2

Hobby farm

- 3 pigs: breeding Mangalitza (excl. B2)

P13

August 2009: selling 5 fattening pigs

- 11 pigs: 6 fattening or breeding Mangalitza + 5 pigs from P5

Surrounding forest

- Dense wild boar population
- 6.7% of wild boar shedding B. suis 2 in urine
- 25.0% of adult wild boar with B. suis 2 in genital organs

Wild boar intrusions? (never observed)

Occasional escapes of pigs into the forest

P12

P13

Unknown farms

Hobby farm

- 0/6 pigs from this farm
- 3/5 fattening pigs from P5

Culture: 0/5
qPCR: 1/5 (fattening pig, bladder tissue)
Macroscopic lesions: 0/5

- 3 pigs: breeding Mangalitza (excl. B2)

P13

Hobby farm

- 0/6 pigs from this farm
- 3/5 fattening pigs from P5

Culture: 0/5
qPCR: 1/5 (fattening pig, bladder tissue)
Macroscopic lesions: 0/5

- 3 pigs: breeding Mangalitza (excl. B2)

P13

Hobby farm

- 0/6 pigs from this farm
- 3/5 fattening pigs from P5

Culture: 0/5
qPCR: 1/5 (fattening pig, bladder tissue)
Macroscopic lesions: 0/5

- 3 pigs: breeding Mangalitza (excl. B2)