**Table 1.** Detection of Mycobacterium avium subsp. paratuberculosis (MAP) in boot swab samples and individual faecal samples, absolute numbers with the percentage in brackets.

Individuals

**Boot swab samples** 

percentage in brackets: <sup>3</sup>Red Frisian: <sup>4</sup>Austrian Simmental: <sup>5</sup>Brown Swiss: <sup>6</sup>Tyrolean Grev Cattle.

Animals tested<sup>1</sup>

17

**Housing system** 

Innea housing

**Farm** 

16

Selected farms

Breed

RF3

|     |                 |                |    | 03 (30 3)  | 104 (66.0) | 0 (2 0) | 275 (400) |
|-----|-----------------|----------------|----|------------|------------|---------|-----------|
| 109 | AS              | tight stall    | 14 | 0 (0.0%)   | negative   |         |           |
| 89  | FV              | tight stall    | 19 | 0 (0.0%)   | negative   |         |           |
| 88  | FV              | loose housing  | 29 | 4 (13.8%)  | positive   |         |           |
| 58  | BS              | loose housing  | 34 | 12 (35.3%) | positive   |         |           |
| 57  | BS              | tight stall    | 17 | 3 (17.6%)  | negative   |         |           |
| 56  | AS              | tight stall    | 18 | 6 (33.3%)  | positive   |         |           |
| 55  | AS              | loose housing  | 20 | 4 (20.0%)  | positive   |         |           |
| 53  | AS              | tight stall    | 14 | 3 (21.4%)  | positive   |         |           |
| 24  | TG <sup>6</sup> | loose housing  | 15 | 0 (0.0%)   | negative   |         |           |
| 18  | BS <sup>5</sup> | tight stall    | 4  | 0 (0.0%)   | negative   |         |           |
| 17  | AS <sup>4</sup> | tight stall    | 2  | 1 (50.0%)  | negative   |         |           |
| 10  | VL.             | loose flousing | 17 | 2 (11.0%)  | negative   |         |           |

**Positive** 

MAP positive<sup>2</sup>

2 (11 8%)

Negative

MAP Boot swab

negative

684 (95.0)

25 (83.3)

Missing

0(0)

0(0)

Total

720 (100)

30 (100)

Number of cattle with a minimum age of 2 years, included in the study; Number of animals with Mycobacterium avium subsp. paratuberculosis-positive faecal samples with

36 (5.0)

5 (16.7)

Farms 83 (30.2) 184 (66.9) 8 (2.9) 275 (100) All farms Individuals 93 (2.5) 248 (6.6) 3,417 (90.9) 3,758 (100) **Farms** 9 (30.0) 21 (70.0) 0(0)30 (100)