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High genetic variability of Schmallenberg virus M-segment leads to efficient immune escape from neutralizing antibodies

Table 1

Real-time RT-PCR results of ovine tissue samples that were submitted to the Friedrich-Loeffler-Institut to be analyzed for the presence of SBV-genomes (submission number BH04/15).

The brain, lung, placenta and two unidentified organ samples obtained from a malformed lamb were investigated by three different real-time PCR systems either based on the viral S-, M- or L-segment. Cq–quantification cycle.

| Sample material | S-segment | M-segment | L-segment |
|------------------------|------------------|------------------|------------------|
| Brain | 16.9 | No Cq | 20.7 |
| Organ sample 1 | 17.6 | No Cq | 20.9 |
| Lung | 34.0 | 35.6 | 34.9 |
| Placenta | 31.1 | No Cq | 33.5 |
| Organ sample 2 | 25.2 | No Cq | 28.1 |

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