ANALYSIS OF PORCINE VIRUSES IN SLOVAKIA

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OFFICIAL RECORDS ON PIG DISEASES IN SLOVAKIA (2013-2015)

State Veterinary and Food Administration did not record any significant viral disease in pig
ANALYSIS OF PRRSV ISOLATES

- What PRRSV genotype circulate in pig farms in Slovakia?
- Does circulate in Slovakia one genotype only or more genotypes?
- Are PRRSV isolates from Slovakia unique at genetic level?
Genetic typing of PRRSV isolates in ORF5

GENETIC TYPING OF PRRSV IN ORF7

Length polymorphism of ORF7

(mutation of STOP codon)
VIRUS CO-INFECTIONS IN PMWS PIGS

VLASÁKOVÁ, M., LEŠKOVÁ, V., SLÍŽ, I., JACKOVÁ, A., VILČEK, Š.: The presence of six potentially pathogenic viruses in pigs suffering from post-weaning multisystemic eating syndrome.

DEVELOPMENT OF PLEXOR-PCR FOR DETECTION OF PCV2

COMPARISON OF REAL-TIME PCRs FOR THE DETECTION OF PCV2

IDENTIFICATION OF PRRSV IN WILD BOARS

VILČEK, Š., MOLNÁR, L., VLASÁKOVÁ, M., JACKOVÁ, A.: The first detection of PRRSV in wild boars in Slovakia.

GENETIC TYPING OF PCV2 ISOLTES

VLASÁKOVÁ, M., JACKOVÁ, A., VILČEK, Š.: Genetic typing of porcine circovirus type 1 (PCV-2) isolates from Slovakia. 
TYPING OF WILD BOAR VIRUS ISOLATES

Genetic analysis of kobuvirus isolates

The nucleotide sequences of 443 bp PCR amplicons obtained from Slovak isolates were 89.8 – 100% similar to each other.

Similarity to isolates from the world: 87.1 – 95.3 %.

Slovak isolates (red) were rather clustered with Asian isolates than with isolates originating from Europe (green) including neighbouring countries as Hungary and Czech Republic.