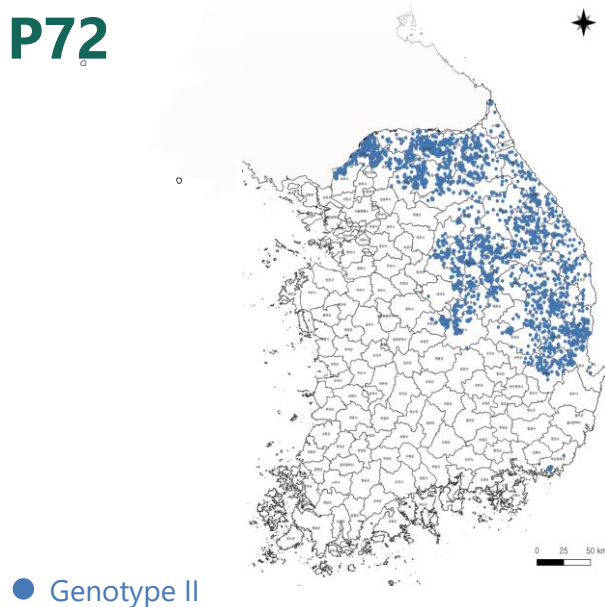
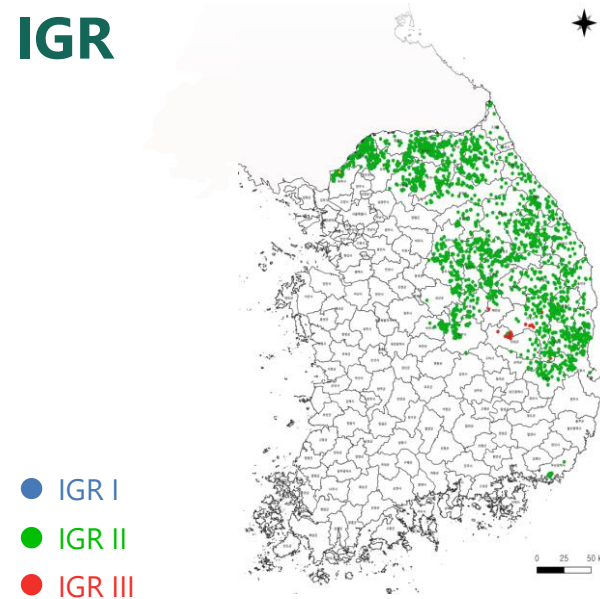


Genetic analysis of ASFV (wild boar, 2019-2025)

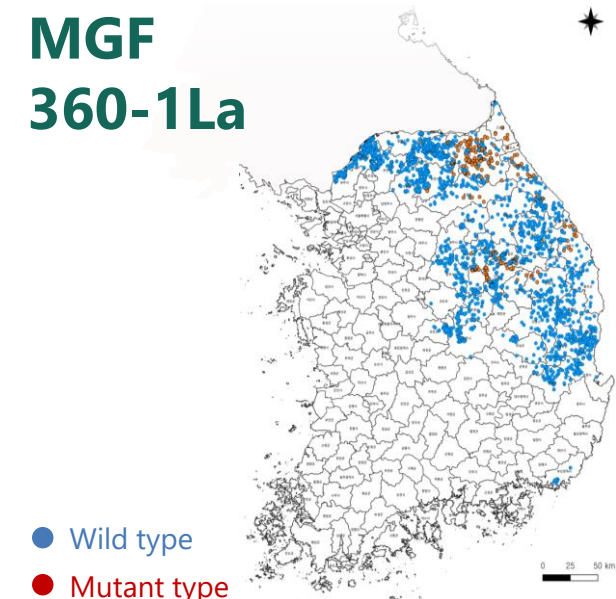
P72



IGR



MGF
360-1La



1. ASFV strains in South Korea are Genotype II with limited genetic diversity.

2. However, mutations in **MGF360-1La** provide molecular markers for tracking regional spread and distinguishing clusters.

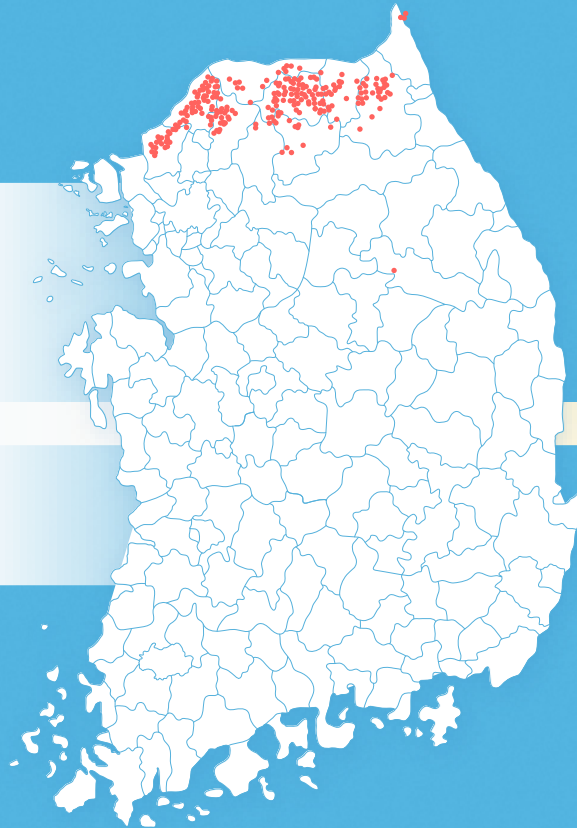
3. From 2019 to 2021, outbreaks spread **from the northwest to the northeast**, as supported by both whole genome and partial gene analyses.

Timeline of ASF Virus Spread

2019 - 2020

**Spread along the
Border areas into
Gyeonggi and the
northern region of
Gangwon**

● ASF Outbreak Sites
ASF Outbreak Sites (2019 - 2020)



2021 - 2022

**Continuously
moved south along
the mountainous
terrain**

● ASF Outbreak Sites (2021 - 2022)

