

African Swine Fever: genomic

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The effect of passage in pigs and pig bone marrow cultures on the genome of the Cameroon isolate (CAM/82) of ASF virus

Investigation of the effect of serial passage of the CAM/82 ASFV isolate in pigs and in primary pig bone marrow cultures by restriction enzyme analysis and restriction enzyme site mapping

Introduction

Materials and methods

Results

Discussion

References

1. ALMENDRAL J.M., BLASCO R., LEY V., BELOSO A., TALAVERA A., VINUELA E., 1984. Restriction site map of African swine fever virus DNA. *Viol.*, 133: 258-270.
2. BLASCO R., AGUERO M., ALMENDRAL J.M. AND VINUELA E., 1989. Variable and constant regions in African swine fever virus DNA. *Viol.*, 168: 330-338.
3. DIXON L.K., WILKINSON W.P., 1988. Genetic diversity of African swine fever virus isolates from soft ticks (*Ornithodoros moubata*) inhabiting burrows in Zambia. *J. Gen. Vir.*, 69: 2981-2993.
4. EKUE N.F., 1989. The epidemiology of African swine fever in Cameroon. Ph.D. Thesis, University of Surrey, Guildford, U.K., 231 p.
4. FEINBERG A.P., VOGELSTEIN B., 1983. A technique for radiolabeling DNA restriction endonuclease fragments to high specific activity. *Anal. Biochem.*, 132: 6-13.
5. FEINBERG A.P., VOGELSTEIN B., 1984. A technique for radiolabeling DNA restriction endonuclease fragments to high specific activity. *Anal. Biochem.*, 137: 266 -267.
6. LEY V., ALMENDRAL J.M., CARBONERO P., BELOSO A., VINUELA E., TALAVERA A., 1984. Molecular cloning of African swine fever virus DNA. *Viol.*, 133: 249-257.
7. PAN I.C., HESS W.R., 1985. Diversity of African swine fever virus. *Am. J. Vet. Res.*, 66: 314 - 320.
8. PLOWRIGHT W., PARKER J., STAPLE R.F., 1968. The growth of a virulent strain of ASF virus in domestic pigs. *J. Hyg.*, 66: 117-134.
9. SANTURDE G., GONZALVO RUIZ F., CARNERO M.E., TABARES E., 1988. Genetic stability of African swine fever virus grown in monkey kidney cells. *Arch. Virol.*, 98: 117-122.
10. SOUTHERN E.M., 1975. Detection of specific sequences among DNA fragments separated by gel electrophoresis. *J. Mol. Biol.*, 98: 503- 518.
11. SUMPTION K.J., HUTCHINGS G.H., WILKINSON P.J., DIXON L.K., 1990. Variable regions

- on the genome of the Malawi isolates of ASF virus. *J. Gen. Virol.*, 71: 2331-2340.
12. TABARES E., OLIVARES I., SANTURDE C., GARCIA M.J., MARTIN E., CARNERO M.E., 1987. African swine fever virus DNA: deletions and additions during adaptation to growth in monkey kidney cells. *Arch. Virol.*, 97: 333-346.
13. VINUELA E., 1985. African swine fever. *Curr. Top. Microbiol. Immunol.*, 116: 151-170.
14. WESLEY R.D., PAN I.C., 1982. African swine fever virus DNA: Restriction endonuclease cleavage patterns of wild type, Vero celladapted and plaque purified virus. *J. Gen. Virol.*, 63: 383-391.
15. WESLEY R.D., TUTHILL A.E., 1984. Genome relatedness among African swine fever field isolates by restriction endonuclease analysis. *Prev. Vet. Med.*, 2: 53-62.



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