animals

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Supplementary Material

Disease Surveillance during the reintroduction of the Iberian Lynx (*Lynx pardinus*) in Southwestern Spain

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Table S1. Statistical comparison (Fisher's Exact Test) of prevalence by age class, sex, study area, origin, and sampling year in the Iberian lynx population.

Statistical comparison	Results
FeLV: Feline Leukemia Virus prevalence (Active infection)	
Lynx-Age (juvenile, subadult, adult)	N.S. (p = 0.5224)
Lynx-Sex (male, female)	N.S. (p = 1.0000)
Lynx-Area (Matachel, Ortiga, Valdecigüeñas, Valdecañas)	N.S. (p = 1.0000)
Lynx-Origin (captive vs wild-born)	N.S. (p = 0.4179)
Lynx-Sampling year (2015,2016,2017,2018, 2019)	N.S. (p = 0.3731)
FPV: Feline Parvovirus prevalence (Active infection)	
Lynx-Sampling year (2015,2016,2017,2018, 2019)	N.S. (p = 0.3731)
Lynx-Sex (male, female)	N.S. (p = 1.0000)
Lynx-Age (juvenile, subadult, adult)	N.S. (p = 0.5224)
Lynx-Area (Matachel, Ortiga, Valdecigüeñas, Valdecañas)	N.S. (p = 1.0000)
Lynx-Origin (captive vs wild-born)	N.S. (p = 1.0000)
SuHV-1: Suid Herpesvirus 1 prevalence (Active infection)	
Lynx-Sampling year (2015,2016,2017,2018, 2019)	N.S. (p = 0.4853)
Lynx-Sex (male, female)	N.S. (p = 1.0000)
Lynx-Age (juvenile, subadult, adult)	N.S. (p = 0.4853)
Lynx-Area (Matachel, Ortiga, Valdecigüeñas, Valdecañas)	N.S. (p = 0.3309)
Lynx-Origin (captive vs wild-born)	N.S. (p = 1.0000)
***Cytauxzoon sp.* prevalence (Active infection)**	
Lynx-Sampling year (2015,2016,2017,2018, 2019)	N.S. (p = 0.1333)
Lynx-Sex (male, female)	N.S. (p = 0.4667)
Lynx-Age (juvenile, subadult, adult)	N.S. (p = 0.5333)
Lynx-Area (Matachel, Ortiga, Valdecigüeñas, Valdecañas)	N.S. (p = 1.0000)
Lynx-Origin (captive vs wild-born)	N.S. (p = 1.0000)
FCV: Feline calicivirus prevalence (Previous exposure)	
Lynx-Sampling year (2015,2016,2017,2018, 2019)	N.S. (p = 0.0526)
Lynx-Sex (male, female)	N.S. (p = 1.0000)
Lynx-Age (juvenile, subadult, adult)	N.S. (p = 1.0000)
Lynx-Area (Matachel, Ortiga, Valdecigüeñas, Valdecañas)	N.S. (p = 1.0000)
FPV: Feline Parvovirus prevalence (Previous exposure)	
Lynx-Sampling year (2015,2016,2017,2018, 2019)	N.S. (p = 0.0769)
Lynx-Sex (male, female)	N.S. (p = 1.0000)
Lynx-Age (juvenile, subadult, adult)	N.S. (p = 1.0000)
Lynx-Area (Matachel, Ortiga, Valdecigüeñas, Valdecañas)	N.S. (p = 1.0000)
FCoV: Feline Coronavirus prevalence (Previous exposure)	
Lynx-Sampling year (2015,2016,2017,2018, 2019)	N.S. (p = 0.0769)
Lynx-Sex (male, female)	N.S. (p = 0.4231)
Lynx-Age (juvenile, subadult, adult)	N.S. (p = 0.5000)
Lynx-Area (Matachel, Ortiga, Valdecigüeñas, Valdecañas)	N.S. (p = 1.0000)
Lynx-Origin (captive vs wild-born)	N.S. (p = 0.4038)
CDV: Canine Distemper Virus prevalence (Previous exposure)	
Lynx-Sampling year (2015,2016,2017,2018, 2019)	N.S. (p = 1.0000)
Lynx-Sex (male, female)	N.S. (p = 0.5670)
Lynx-Age (juvenile, subadult, adult)	N.S. (p = 0.1824)
Lynx-Area (Matachel, Ortiga, Valdecigüeñas, Valdecañas)	N.S. (p = 0.2468)
Lynx-Origin (captive vs wild-born)	N.S. (p = 1.0000)

Table S2. Statistical comparison (Fisher's Exact Test and Chi-squared test (1) of prevalence by study area in the mesocarnivore community.

Statistical comparison	Test result
CDV: Canine Distemper Virus prevalence (Active infection)	
Mesocarnivore-Area (Matachel, Ortiga, Valdecigüeñas, Valdecañas) (1)	$\chi^2 = 9.64$, $p = 0.02$
CDV: Canine Distemper Virus prevalence (Previous exposure)	
Mesocarnivore-Area (Matachel, Ortiga, Valdecigüeñas, Valdecañas) (1)	$\chi^2 = 16.5$, $p = 0.0003$
FeLV: Feline Leukemia Virus prevalence (Active infection)	
Mesocarnivore-Area (Matachel, Ortiga, Valdecigüeñas, Valdecañas)	N.S. ($p = 0.6721$)
FeLV Agp27: Feline Leukemia Virus Antigen p27 prevalence (Active infection)	
Mesocarnivore-Area (Matachel, Ortiga, Valdecigüeñas, Valdecañas)	N.S. ($p = 0.2857$)
PV: Parvovirus prevalence (Previous exposure)	
Mesocarnivore-Area (Matachel, Ortiga, Valdecigüeñas, Valdecañas)	N.S. ($p = 0.0862$)
FPV: Feline Parvovirus prevalence (Previous exposure)	
Mesocarnivore-Area (Matachel, Ortiga, Valdecigüeñas, Valdecañas)	N.S. ($p = 0.6678$)
FHV-1: Feline Herpesvirus 1 prevalence (Previous exposure)	
Mesocarnivore-Area (Matachel, Ortiga, Valdecigüeñas, Valdecañas)	N.S. ($p = 0.3741$)
FCV: Feline Calicivirus prevalence (Previous exposure)	
Mesocarnivore-Area (Matachel, Ortiga, Valdecigüeñas, Valdecañas)(1)	$\chi^2 = 9.91$, $p = 0.0016$
FIV: Feline Immunodeficiency Virus prevalence (Previous exposure)	
Mesocarnivore-Area (Matachel, Ortiga, Valdecigüeñas, Valdecañas)	N.S. ($p = 1.0000$)

N.S.: No significant.